



No 20675

Piston compressors

Luna. Portable single stage reciprocating compressors with air tank and direct drive motor. Mounted in tubular steel frame on the double air tanks. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable with construction for nailing, stapling and rivet guns. Equipped with miniature circuit breaker that trips with an overload. Resets manually.

Supplied complete with motor - enclosure class IP 44, push-bar switch, safety valve, pressure gauge, regulator and quick couplings. 1-phase supplied with rubber lead and plug, 3-phase supplied with rubber lead without plug.

Art. no.	20675	-0101	-0200	-0309	-0408
Luna	No	ACD2.5-22B	ACD3.0-22B	ACD3.0-22B	ACB5.5-34B
Kompressorblock		D20 Oilfree 1-stage	D13 1-stage	D13 1-stage	K25 1-stage
Motor voltage	V	230 1-phase	230 1-phase	400 3-phase	400 3-phase
Fuse (slow)	A	10	16	16	16
Displacement*	l/min	134	317	317	462
Displacement*	l/sek	2.23	5.28	5.28	7.7
Max. working pressure	bar	8	10	10	11
Air container volume	l	11+11	11+11	11+11	17+17
Sound level	dB (A)	75	77	77	74
Motor output	kW (hp)	1.8 (2.5)	2.2 (3)	2.2 (3)	4.0 (5.5)
Compressor block speed	r/min	1450	2850	2850	1000
Dimensions LxWxH	mm	620x640x760	620x640x760	620x640x760	620x640x760
Weight	kg	64	64	64	68
Ditto for UK	20675	(-6009)	(-6108)	-	-

* At 6 bar.



No 20674

Luna. Portable reciprocating compressors with air tank and belt-driven motors. For fully automatic operation, which means automatic start and stop. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders.

Suitable for home use and small garage workshops where the need of air is great. Equipped with miniature circuit breaker that trips with an overload. Reset manually.

Supplied complete with motor - enclosure class IP 23, mains cord, push-bar switch, safety valve, pressure gauge, regulator and quick couplings.

Art. no.	20674	-0102	-0201	-0300
Luna	No	ACB3.0-50	ACB4.0-90	ACB5.5-100
Compressor block		K11	K17	K25
Motor voltage	V	1-stage	1-stage	2-stage
Fuse (inert)	A	230 1-phase	400 3-phase	400 3-phase
Throughput cylinder volume	l/min	16	16	20
Throughput cylinder volume	l/sek	308	449	578
Free output amount of air *	l/min	5.13	7.48	9.63
Free output amount of air *	l/sek	216	314	462
Max. working pressure	bar	3.60	5.23	7.70
Air container volume	l	9	9	9
Sound level	dB (A)	50	90	100
Motor output	kW (hp)	77	79	74
Compressor block speed	r/min	2.2 (3)	3 (4)	4 (5.5)
Dimension LxWxH	mm	1400	1400	1400
Weight	kg	800x380x700	1000x400x800	1050x400x830
Ditto for Norway	20674	-	-5002	-5101
Motor output	V	-	230 3-phase	230 3-phase
Fuse (inert)	A	-	35	35
Ditto for UK	20674	(-6000)	-6109	-6208

* At 6 bar.

Piston compressors

Luna. Stationary, two-stage reciprocating compressor for fully automatic operation, which means automatic start and stop. Cylinder block of cast iron. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for larger garage workshops, industries, agriculture, etc. where the need of air is great. Equipped with miniature circuit breaker that trips with an overload. Reset manually.

Supplied complete with air tank, push-bar switch, safety valve and pressure gauge.

K30 - K50 compressor blocks are supplied as standard with automatic YD-change-over switch.



No 20678

Art. no.....	20678	-0108	-0207	-0306
Luna	No	ACB5.5-150	ACB7.5-200	ACB10-270
Compressor block		K25	K30	K50
Motor voltage	V	2-stage	2-stage	2-stage
Fuse (inert)	A	400 3-phase	400 3-phase	400 3-phase
Throughput cylinder volume	l/min	578	727	1074
Throughput cylinder volume	l/sec	9.63	12.11	17.90
Free output amount of air *	l/min	462	582	859
Free output amount of air *	l/sec	7.70	12.11	14.31
Max working pressure	bar	10.5	11	11
Air container volume	l	150	200	270
Sound level	dB (A)	74	74	76
Motor output	kW (hp)	4.5 (5.5)	5.5 (7.5)	7.5 (10)
Compressor block speed	rpm	1400	1000	1000
Dimension LxWxH	mm	1380x440x950	1420x420x1100	1700x600x1370
Weight	kg	91	109	186
Ditto for Norway	20678	-5008	-5107	-5206
Motor voltage	V	230 3-phase	230 3-phase	230 3-phase
Fuse (inert)	A	25	35	35
Ditto for UK	20678	-6006	-6105	-6204
Motor voltage	V	400 3-phase	400 3-phase	400 3-phase

* At 6 bar.

Luna. Stationary two-stage reciprocating compressor in **vertical** design. With low speed belt-driven motor. For fully automatic operation, which means automatic start and stop. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for garages and workshops where the need of air is great. Equipped with miniature circuit breaker that trips with an overload. Reset manually.

Supplied complete with rubber lead, push-bar switch, safety valve, pressure gauge, control valve and quick connect couplings.



No 20679

Art. no.....	20679	-0107
Luna	No	ACV5.5-270
Compressor block		K25
Motor voltage	V	2-stage
Fuse (inert)	A	400 3-phase
Throughput cylinder volume	l/min	20
Throughput cylinder volume	l/sec	578
Free output amount of air*	l/min	9.63
Free output amount of air*	l/sec	462
Max. working pressure	bar	7.70
Air tank volume	l	9
Sound level	dB (A)	270
Motor output	kW (hp)	74
Compressor block speed	r/min	4.5 (5.5)
Dimension LxWxH	mm	1400
Weight	kg	600x600x1800
Ditto for Norway	20679	-5007
Motor voltage	V	230 3-phase
Fuse (inert)	A	35

* At 6 bar.

Piston compressors

Oil free

Luna. Small, silent, portable oil free, single stage reciprocating compressor. With air container, direct drive. Suitable for brad guns/staplers, spray painting, cleaning and pumping. Maintenance free. Equipped with miniature circuit breaker that trips with an overload.



No 20633

Art. no.	20633	-0102
Luna	No	ACD1.5-6OL
Compressor block		1-stage
Motor voltage	V	230 1-phase
Fuse (inert)	A	10
Throughput cylinder volume	l/min	180
Throughput cylinder volume	l/sek	3.0
Free air displacement*	l/min	117
Free air displacement*	l/sek	1.95
Max. working pressure	bar	8
Air tank volume	l	6
Sound level	dB (A)	88
Motor output	kW (hp)	1.1 (1.5)
Compressor block speed	r/min	2800
Dimensioner LxWxH	mm	480x220x540
Weight	kg	13

Ditto for UK..... **20633** **(-6000)**

* At 6 bar.

Luna. Portable single stage **oil-free** reciprocating compressor with air tank and direct drive motor. Suitable for spraying, cleaning, inflating tyres and other minor maintenance work, etc. Equipped with miniature circuit breaker that trips with an overload, reset automatically. Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, regulator with pressure gauge and quick couplings.



No 20756

Art. no.	20756	-0103
Luna	No	ACD1.5-24OL
Compressor block		D8 Oil free
Motor voltage	V	230 1-phase
Fuse (inert)	A	10
Throughput cylinder volume	l/min	190
Throughput cylinder volume	l/sek	3.17
Free output amount of air*	l/min	115
Free output amount of air*	l/sek	1.92
Max. working pressure	bar	8
Air tank volume	l	24
Sound level	dB (A)	81
Motor output	kW (hp)	1.1 (1.5)
Compressor block speed	r/min	2850
Dimensions LxWxH	mm	600x260x600
Weight	kg	20

Ditto for UK..... **20756** **(-6001)**

* At 6 bar.

Luna. Portable single stage **oil-free** reciprocating compressor with air tank and direct drive motor. Suitable for spraying, cleaning, inflating tyres, etc. Equipped with miniature circuit breaker that trips with an overload, reset manually. Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, regulator with pressure gauge and quick couplings.



No 20677

Art. no.	20677	-0109
Luna	No	ACD2.5-24OL
Compressor block		D20 Oil free
Motor voltage	V	230 1-phase
Fuse (inert)	A	10
Throughput cylinder volume	l/min	206
Throughput cylinder volume	l/sek	3.43
Free output amount of air*	l/min	134
Free output amount of air*	l/sek	2.23
Max. working pressure	bar	8
Air tank volume	l	24
Sound level	dB (A)	75
Motor output	kW (hp)	1.8 (2.5)
Compressor block speed	r/min	1450
Dimensioner LxWxH	mm	620x600x92
Weight	kg	43

Ditto for UK..... **20677** **(-6007)**

* At 6 bar.

Piston compressors

14 bar

Luna. Stationary two cylinder two-stage reciprocating compressor for fully automatic operation, which means automatic start and stop. A reliable and well balanced design with silent operation and effective cooling and high degree of efficiency. The cylinders are made of cast iron and the heads of aluminium. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Equipped with warning lamp that comes on when the oil level is under the minimum level as well as 8 and 16.5 bar safety valves. Supplied complete with automatic YD-change-over switch, air container.



No 20657

Art. no.	20657	(-0103)
Luna	No	ACH7.5-300
Compressor block		K30
		2-stage
Connection voltage 50 Hz.	V	400 3-phase
Fuse (inert)	A	25
Throughput cylinder volume	l/min	727
Throughput cylinder volume	l/sec	12.11
Free air displacement*	l/min	582
Free air displacement*	l/sec	9.70
Max. air pressure	bar	14
Motor output	kW (hp)	5.5 (7.5)
Air tank volume	l	300
Sound level	dB (A)	69
 Ditto for Norway	20657	-5003
Motor voltage	V	230 3-phase
Fuse (inert)	A	35

* At 6 bar.

Luna. Portable two cylinder two-stage reciprocating compressor for fully automatic operation, which means automatic start and stop. A reliable and well balanced design with silent operation and effective cooling and high degree of efficiency. The cylinders are made of cast iron and the heads of aluminium. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Equipped with warning lamp that comes on when the oil level is under the minimum level as well as double safety valves 8 and 16.5 bar. Supplied complete with rubber lead.



No 20658

Art. no.	20658	(-0102)
Luna	No	ACH4.0-500
Compressor block		K25-4HP
		2-stage
Connection voltage 50 Hz.	V	400 3-phase
Fuse (inert)	A	16
Throughput cylinder volume	l/min	578
Throughput cylinder volume	l/sec	9.63
Free air displacement*	l/min	462
Free air displacement*	l/sec	7.70
Max. air pressure	bar	14
Motor output	kW (hp)	3 (4)
Air tank volume	l	300
Sound level	dB (A)	74
Compressor block speed	rpm	950
Dimensions LxWxH	mm	1660x520x1150
Weight	kg	157
 Ditto for Norway	20658	(-5002)
Motor voltage	V	230 3-phase
Fuse (inert)	A	25

* At 6 bar.



No 20659

Piston compressors

Silenced

Luna. Portable reciprocating compressors on tanks for fully automatic operation, which means automatic start and stop. A reliable and well balanced design with silent operation and effective cooling and high degree of efficiency. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders.

Supplied complete with rubber lead.

Art. no.	20659	-0101
Luna	No	ACS2.5-100
Compressor block		K11 1-stage
Supply voltage 50 Hz.	V	230 1-phase
Fuse (inert)	A	10
Max. pressure	bar	10
Throughput cylinder volume	l/min	220
Throughput cylinder volume	l/sec	3.66
Free air displacement	l/min	150
Free air displacement	l/sec	2.45
Motor output	kW (hp)	1.8 (2.5)
Air container volume	l	100
Sound level	dB(A)	68
Dimensions LxWxH	mm	700x600x1100
Ditto for UK	20659	(-6009)



No 20084

Luna. Stationary reciprocating compressors with belt-driven motors. Low speed. For fully automatic operation, this means automatic start and stop. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for professional use. Equipped with miniature circuit breaker that trips with an overload. Reset automatically. **Air container not included.**

Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, safety valve, pressure gauge regulator and quick couplings. Suitable air tank see 20660 page 20.

Art. no.	20084	(-0106)	(-0205)
Luna	No	ACS5.5-WO	ACS7.5-WO
Compressor block		K30	K30
Motor voltage	V	400 3-phase	400 3-phase
Fuse (inert)	A	16	16
Throughput cylinder volume*	l/min	581	727
Throughput cylinder volume*	l/sec	9.68	12.11
Free air displacement	l/min	465	582
Free air displacement	l/sec	7.75	9.70
Max. working pressure	bar	10	10
Motor output	kW (hp)	4 (5.5)	5.5 (7.5)
Compressor block speed	r/min	1000	1000
Dimensions LxWxH	mm	850x620x1100	850x620x1100
Weight	kg	168	182
Ditto for Norway	20084	-5006	-5105
Motor voltage	V	230 3-phase	230 3-phase
Fuse (inert)	A	20	32

* At 6 bar.

Piston compressors
Silenced and Oil free



No 15042

Luna. Transportable, oil less, single stage, belt driven compressor. Equipped with overload protection, two swivelling wheels and a clear control panel for easy use. Designed to create quiet and pollution-free working environment. Suitable for applications where high pure air source and quietness is required like medicine and health, mechanical, petrochemical and textile industry, electron instrument, scientific reserch institutions etc. Supplied complete with electric motor (IP 44) 2 pcs 15 litre tanks, rubber cable with plug, safety valve, manometer and two air outlets.

Art. no.	15042	-0107
Luna	No	ACS2.0-30-OL
Compressor pump		Single stage
Motor voltage.....	V	230 1-phase
Fuse (slow)	A	10
Displacement*	l/min	300
Displacement*	l/sek	5.0
Free air displacement*	l/min	210
Free air displacement*	l/sek	3.5
Working presssure max.	bar	8
Tank receiver.....	l	2x15
Sound level	dB (A)	60
Motor power.....	kW (hp)	1.5 (2.0)
Motor speed.....	r/min	2850
Dimensions LxWxH	mm	636x492x860
Weight	kg	120
Ditto for UK	15042	(-6005)

* At 6.2 bar.



No 20661

Art. no.....	20661	(-0206)	(-0305)	(-0404)
Luna	No	ASC7.5-270	ASC10-270	ASC15-270
Motor voltage	V	400 3-phase	400 3-phase	400 3-phase
Fuse (inert)	A	16	25	32
Max. pressure	bar	10	10	10
Free air displacement	l/min	670	950	1450
Air containage4r volume	l	270	270	270
Sound level approx.	dB (A)	68	68	71
Motor output	kW (hp)	5.5 (7.5)	7.5 (10)	11 (15)
Compressor block speed	r/min	2850	2850	2850
Dimensions LxWxH	mm	1530x730x1530	1530x730x1530	1530x730x1530
Weight	kg	250	280	280
Ditto for Norway	20661	(-5106)	(-5205)	(-5304)
Motor voltage	V	230 3-phase	230 3-phase	230 3-phase
Fuse (inert)	A	32	40	50

Screw compressors

Luna. Low-noise stationary screw compressors. Modular design mounted on the pressure tank with integrated refrigerant type dryer. A reliable and well-balanced design with effective cooling and highly efficient. Direct driven between the motor and compressor section, which makes the compressor virtually maintenance free. Digital control of compressor operations, motor's direction of rotation and switching on and off of the cooling fan. A well developed cooling system that guarantees optimal working temperature. All air and oil connections are manufactured of heat resistant pipes. Suitable for professional use. Quick and easy installation.

Supplied complete with air tank, refrigerant type dryer, safety valve, pressure gauge and ball valve.



No 15060

Art. no.....	15060	(-0104)	(-0203)	(-0302)	(-0401)
Luna	No	ASC20-WO	ASC25-WO	ASC30-WO	ASC40-WO
Motor voltage	V	400 3-phase	400 3-phase	400 3-phase	400 3-phase
Max. pressure	bar	10	10	10	10
Free air displacement	l/min	2010	2450	3050	4210
Sound level approx.	dB (A)	70	73	74	75
Motor output	kW (hp)	15 (20)	18.5 (25)	22 (30)	30 (40)
Dimensions LxWxH	mm	1000x760x1400	1320x900x1400	1320x900x1400	1320x900x1400
Weight	kg	310	365	395	485

Luna. Low-noise stationary screw compressors. A reliable and well-balanced design with effective cooling and highly efficient. Direct driven between the motor and compressor section, which makes the compressor virtually maintenance free. Digital control of compressor operations, motor's direction of rotation and switching on and off of the cooling fan. A well developed cooling system that guarantees optimal working temperature. All air and oil connections are manufactured of heat resistant pipes. Suitable for professional use. Quick and easy installation.

The recommendation is to use a refrigerant type dryer and compressed air filter 20661 page 20.

Compressor tanks see 20660 page 20.

Pressure tanks

Luna. Pressure tanks manufactured and tested according to applicable CE-standards. Finish of primer and top coat. Supplied complete with valve assembly including safety valve, pressure gauge, ball valve and drain valve.

Art. no.	20660	(-6006)	(-6105)	(-6204)	(-6303)
Luna	No	CA100-11 BAR	CA200-11 BAR	CA270-11 BAR	CA500-11 BAR
Volume	l	100	200	270	500
Max. pressure	bar	11	11	11	11
Connecting thread	G (R)	3/4	1	1	1 1/2
Overall height	mm	1152	1570	1664	2055
Diameter	mm	370	446	500	600
Art. no.	20660	(-6402)	(-6501)	(-6600)	(-6709)
Luna	No	CA720-11 BAR	CA90-0 11 BAR	CA200-0 11 BAR	CA100-11 BAR
Volume	l	720	900	2000	3000
Max. pressure	bar	11	11	12	12
Connecting thread	G (R)	1 1/2	1 1/2	2	2 1/2
Overall height	mm	2030	2140	2485	2980
Diameter	mm	750	800	1100	1200



No 20660

Refrigerant type dryers

Luna. Intended to remove water from compressed air by a simple chilling process. Cooled using freon R 134a. The condensed water is separated in the centrifugal separator, which automatically removes the condensate through the condensation drain. The unit is fully automatic and requires a minimum of maintenance to ensure continuous and effective operations. Complete with automatic condensation drain. As standard the refrigerant type dryer has enclosure class IP 54.

Larger models quoted on request. For more information contact Luna.



No 20661

Art. no.	20661	(-2004)	(-2103)	(-2202)	(-2301)
Luna	No	AD0.6	AD0.9	AD1.2	AD1.8
Max. capacity*	m ³ /min	0.6	0.9	1.2	1.8
Max. capacity*	m ³ /h	36	54	72	108
Max. working pressure	bar	16	16	16	16
Connection thread	G (R)	3/8"	3/8"	1/2"	1/2"
Dimensions LxWxH	mm	480x375x530	480x375x530	480x375x530	480x375x530
Weight	kg	30	33	38	40
Art. no.	20661	(-2400)	(-2509)	(-2608)	(-2707)
Luna	No	AD2.2	AD3.0	AD5.2	AD6.5
Max. capacity*	m ³ /min	2.2	3.0	5.2	6.5
Max. capacity*	m ³ /h	132	180	312	390
Max. working pressure	bar	16	16	16	16
Connection thread	G (R)	1"	1"	1 1/2"	1 1/2"
Dimensions LxWxH	mm	615x375x735	615x375x735	730x465x700	730x465x700
Weight	kg	60	62	92	95

Air blow guns



No 20797

Luna. Ergonomic grip. Pistol type. House of **plastic**. Sep less trigger. Suitable for both left and right handed users. 360° swiveling air intake. Developed for professional workshop applications. Equipped with hanging up hook. With 90 mm bent aluminium tube with slotted safety tip.

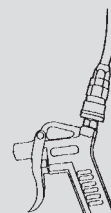
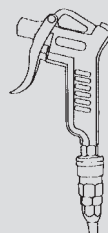
Art. no.	20797	-0104
Luna	No	ABG-PBP
Connecting thread	G (R)	1/4
Max. working pressure	bar	11
Sound level	dB (A)	85-90
Air consumption	l/min	160
Air consumption	l/s	2.7
Overall length	mm	260
Weight	kg	0.1



20798-0103



20798-0202



Luna. Blowguns of **aluminium** with ergonomically designed grip, for both left and right hand use. With hanging eye. 360° swivel air connection. Can be switched with the top plug to facilitate use e.g. on a work top. Variable control of the air flow. Developed for professional workshop use.

20798-0103 with short adjustable pipe.

20798-0202 with 100 mm long metal pipe.

Art. no.	20798	-0103	-0202
Luna	No	ABG-PAN	ABG-PSP
Connecting thread	G (R)	1/4	1/4
Max. working pressure	bar	15	15
Sound level	dB (A)	85-90	85-90
Air consumption	l/min	140	160
Air consumption	l/s	2.3	2.7
Overall length	mm	115	200
Weight	kg	0.24	0.24



20799-0102



20799-0201

Luna. Blowguns of **aluminium** with ergonomically designed grip, for both left and right hand use. 360° swivel air connection. Variable control of the air flow. Developed for professional workshop use.

20799-0102 with short adjustable spout.

20799-0201 with 100 mm long metal spout.

Art. no.	20799	-0102	-0201
Luna	No	ABG-SAN	ABG-SSP
Connection thread	G (R)	1/4	1/4
Max. working pressure	bar	15	15
Sound level	dB (A)	85-90	85-90
Air consumption	l/min	115	130
Air consumption	l/s	1.9	2.2
Total length	mm	140	230
Weight	kg	0.2	0.2

Air blow guns



No 20808

Luna. Set of 3 different blowguns - one of plastic, one of metal in a gun design and a straight model of metal. Ergonomic grip for both left and right handed. With hanging eye. Variable control of the air flow. 360° swivel air connection. Developed for professional workshop use.

Accessory kit with 22 pieces - including nozzles suitable for all blowguns - 1 of each: Short with adjustable spout, 100 mm straight, 100 mm straight with adjustable spout, 325 mm straight, 325 mm straight with adjustable spout, brass spout, ball nozzles, needle nozzles 30 mm, 60 mm and 100 mm, rubber spouts 12 mm, 25 mm, and 35 mm, spraying nozzle, nylon spout 75 mm, safety nozzle long and short, 500 mm adjustable telescopic spout, inflator nozzle, splash guard, safety nozzle and turbo nozzle.

Art. no.	20808	-0101
Luna	No	ABG-S
Connection thread	G (R)	1/4
No. of guns	ea.	3
No. of nozzles	ea.	19
Max. working pressure	bar	11-15
Sound level	dB (A)	85-90
Air consumption	l/min	115-160
Air consumption	l/s	1.9-2.7
Overall weight	kg	0.85
Accessories		
Blowgun, plastic	20808	-0507
Brass nozzle	20808	(-0606)
Safety nozzle, short	20808	(-0705)
Safety nozzle, long	20808	(-0804)
1/2" Rubber nozzle	20808	-0903
1" Rubber nozzle	20808	-1000
1 3/8" Rubber nozzle	20808	-1109
Adjustable nozzle	20808	(-1208)
Car tyre nozzle	20808	(-1307)
Flat nozzle	20808	(-1406)
Nozzle with balls	20808	(-1505)
3" Nylon nozzle	20808	(-1604)
1 3/16" Needle nozzle	20808	(-1703)
2 1/8" Needle nozzle	20808	(-1802)
4" Needle nozzle	20808	(-1901)
4" Extended nozzle	20808	-2008
13" Extended nozzle	20808	(-2107)
20" Telescopic nozzle	20808	(-2206)
4" Adjustable nozzle	20808	(-2305)
13" Adjustable nozzle	20808	(-2404)
Splash guard	20808	(-2503)
Safety nozzle	20808	(-2602)
Turbo nozzle	20808	(-2701)

Air blow guns



No 20406

Luna. Blow and suction gun. A unique new product where a combination of suction and blow gun is offered. Suitable cleaning within industry and automotive sectors. Both functions are controlled from a trigger.

Art. no.	20406	-0107
Connection thread I int.	G (R)	1/4
Air consumption	l/min	350
Total length	mm	340
Weight	kg	0.2
Accessories		
Dust bag	20406	-0206



No 20871

Spot sand blasting gun set

Luna. Very efficient at small rust spots. Comfortable grip. Swivelling air inlet. Make it possible to blast closed in open areas. Recycling use of the blasting sand. Small amount of air is needed. Supplied with four different nozzles and one blasting template. Suitable for aluminium silicate and aluminium oxide.

Art. no.	20871	-0103
Luna	No	ASSB-S
Max. pressure	bar	10
Air consumption*	l/min	340
Air consumption*	l/s	5.66
Rec. max. grain size	mm	0.5
Air inlet	G (R)	1/4
Sound level (CEN/TC 255 N81)	dB (A)	90
Weight	kg	0.8

*) At 6.2 bar.

Engraving pen



No 20794

Luna. With tungsten carbide tip. For engraving, clearing, chipping etc. Front exhaust. House of steel with knurling grip and on/off control. Developed for professional workshop applications. The pen is quite insensitive for pollutions in the compressed air and therefore only need a minimum of lubricate. Due to high frequency and small vibrations the pen is comfortable and suitable to use in material all from hard metal to soft plastic. Supplied with 1.5 m hose equipped with 360° swivelling air intake.

Art. no.	20794	-0107
Luna	No	AE13
Working pressure	bar	6
Number of strokes adjustable up to	per min	36000
Sound level (CEN/TC 255 N81)	dB (A)	90
Vibration (ISO 5349)	m/s ²	2.5
Air inlet	G (R)	1/4
Air consumption*	l/min	30
Air consumption*	l/s	0.5
Weight	kg	0.22
Engraving tip	20794	-0503

* At 6.2 bar.

Air spray guns
Self-feed - for production



No 20802

Luna. Gravity feed pistol with adjustable fluid output, pattern width and working pressure. Ergonomic grip. Low sound level. High capacity. 360° swiveling air intake. Developed for professional workshop applications. Suitable for automobiles, metallic products, coat and primer surface, anti rust paint etc.

Art. no.	20802	-0107	-0206	-0305	-0404	-0503	-0602
Luna	No	ASG1.0T	ASG1.3T	ASG1.5T	ASG1.8T	ASG2.0T	ASG2.5T
Paint nozzle	mm	1.0	1.3	1.5	1.8	2.0	2.5
Working pressure	bar	2.6-3.0	2.6-3.0	2.6-3.0	2.6-3.0	2.6-3.0	2.6-3.0
Max. fluid output	l/min	0.25	0.25	0.25	0.25	0.25	0.25
Max. pattern width	mm	245	245	245	245	245	245
Air inlet	G (R)	¼	¼	¼	¼	¼	¼
Air consumption at 100% int.*	l/min	300	300	300	300	300	300
Air consumption at 15% int.*	l/min	45	45	45	45	45	45
Air consumption at 100% int.*	cfm	10.6	10.6	10.6	10.6	10.6	10.6
Air consumption at 15% int.*	cfm	1.6	1.6	1.6	1.6	1.6	1.6
Cup capacity	l	0.6	0.6	0.6	0.6	0.6	0.6
Weight	kg	0.5	0.5	0.5	0.5	0.5	0.5

Accessories:

Nozzle/needle set complete with cap	20801	-1007	-1106	-1205	-1304	-1403	-1502
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* At 3.0 bar.

Suction feed - for production



No 20801

Luna. Suction feed pistol with adjustable fluid output, pattern width and working pressure. Ergonomic grip. Low sound level. High capacity. 360° swivelling air intake. Developed for professional workshop applications. Suitable for automobiles, metallic products, coat and primer surface, anti rust paint etc.

Art. no.	20801	-0108	-0207	-0306	-0405	-0504	-0603	-0702
Luna	No	ASG1.0B	ASG1.3B	ASG1.5B	ASG1.8B	ASG2.0B	ASG2.5B	ASG3.0B
Paint nozzle	mm	1.0	1.3	1.5	1.8	2.0	2.5	3.0
Working pressure	bar	2.6-3.0	2.6-3.0	2.6-3.0	2.6-3.0	2.6-3.0	2.6-3.0	2.6-3.0
Max. fluid output	l/min	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Max. pattern width	mm	245	245	245	245	245	245	245
Air inlet	G (R)	¼	¼	¼	¼	¼	¼	¼
Air consumption at 100% int.*	l/min	306	306	306	306	306	306	306
Air consumption at 15% int.*	l/min	46	46	46	46	46	46	46
Air consumption at 100% int.*	cfm	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Air consumption at 15% int.*	cfm	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Cup capacity	l	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Weight	kg	0.45	0.45	0.45	0.45	0.45	0.45	0.45

Accessories:

Nozzle/needle set complete with cap	20801	-1007	-1106	-1205	-1304	-1403	-1502	-1601
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* At 3.0 bar.



No 20568

Impact wrenches

Luna. A robust and powerful, reversible impact wrench especially developed for professional workshop applications. High torque action with three steps and reverse. Housing manufactured in hard wearing magnesium/aluminium. Handle exhaust and the facility to fit an air drain hose. Equipped with 360° swivelling air intake to make the machine easier to use with little interference from the air hose. Stepless trigger. Ergonomically designed rubber handle for better grip and insulation from cold air and vibration. **20568-0101** With **Pin Clutch** hammer mechanism. **20568-0200** With **Twin Hammer** mechanism.

Art. no.	20568	-0101	-0200
Luna	No	AIW ^{3/8"} PC	AIW ^{3/8"} TH
Square drive	inch	^{3/8}	^{3/8}
Bolt capacity	mm	M6-M12	M6-M12
Free speed	r/min	11 000	10 100
Max. torque (3 steps)	Nm	160/250/300	220/365/420
Max. torque (3 steps)	ft-lb	120/187/224	164/272/314
Max. reverse torque	Nm	480	450
Max. reverse torque	ft-lb	358	336
Rec. working torque	Nm	160-250	220-380
Rec. working torque	Nm	119-186	164-284
Hammer mechanism	typ	Pin clutch	Twin hammer
Sound level (ISO 8662-7)	dB (A)	87.0	90.0
Vibration (ISO 15744:1999)	m/s ²	< 2.5	< 2.5
Rec. hose dimension	inch	^{3/8}	^{3/8}
Air inlet	G (R)	^{1/4}	^{1/4}
Air consumption at 100% int.*	l/min	550	550
Air consumption at 15% int.*	l/min	82.5	82.5
Air consumption at 100% int.*	l/s	9.16	9.16
Air consumption at 15% int.*	l/s	1.37	1.37
Weight	kg	1.37	1.36

* At 6.2 bar.



No 15044

Luna. Sound absorptive performance. Composite housing. Low weight. Ergonomic grip of rubber built into the handle which also insulates against cold air and vibrations. 360° swiveling air intake. Reversible - 3 steps forward and 2 steps reverse. Handle exhaust directed from the user. Step less trigger. **Twin Hammer** mechanism for high torque and better balanced impact. Developed for professional dworkshop applications.

Art. no.	15044	-0105
Luna	No	AIWC ^{3/8"} TH
Square drive	inch	^{3/8}
Bolt capacity	mm	M6-M12
Free speed	r/min	9600
Max. torque	Nm	460
Max. torque	ft-lb	344
Max. torque (3 steps)	Nm	250/310/445
Max. torque (3 steps)	ft-lb	186/231/332
Max. reverse torque	Nm	515
Max. reverse torque	ft-lb	384
Recommended torque range	Nm	250-400
Recommended torque range	ft-lb	186-299
Hammer mechanism	type	Twin Hammer
Sound level (EN ISO 15744:2002)	dB (A)	85.0
Vibration (ISO 8662-7:1997)	m/s ²	< 2.5
Min. hose size	inch	^{3/8}
Air inlet	G (R)	^{1/4}
Air consumption at 100% int.*	l/min	900
Air consumption at vid 15% int.*	l/min	135
Air consumption at 100% int.*	l/sec	15
Air consumption at 15% int.*	l/sec	2.25
Weight	kg	1.2

* At 6.2 bar.

Impact wrenches

Luna. High qualitative impact wrenches with reversible rotations. Very usefull within the automotive applications. High torque - both forward, with threese different steps and in reverse mode. Durable magnesium/aluminium housing. Pistol model with handle exhaust. Equipped with a 360° swivelling air intake for ease of the machine and better handling of the hose plus a step less trigger. The handle grip is made of rubber with an ergonomic performance and design. It also insulates against cold air and reduces vibrations. The machine is also performed to reduce and catch up vibrations in respective taken to the high torque.

Square drive of ring type for the impact sockets.

15045-0104 - Pin Clutch hammer mechanism.

15045-0203 - Twin Hammer mechanism for better balanced impacts.



No 15045

Art. no.	15045	-0104	-0203
Luna	No	AIW 1/2" PC	AIW 1/2" TH
Square drive	inch	1/2	1/2
Bolt capacity	mm	M10-M18	M10-M18
Free speed	r/min	8350	7330
Max. torque (3 steps)	Nm	500/610/700	500/610/700
Max. torque (3 steps)	ft-lb	374/455/523	374/455/523
Max. reverse torque	Nm	720	720
Max. reverse torque	ft-lb	538	538
Recommended torque range	Nm	500-650	500-650
Recommended torque range	ft-lb	374-486	374-486
Hammer mechanism	type	Pin Clutch	Twin Hammer
Sound level (ISO 8662-7)	dB (A)	85.1	88.0
Vibration (ISO 15744:1999)	m/s ²	< 2.5	< 2.5
Min. hose size	inch	3/8	3/8
Air inlet	G (R)	1/4	1/4
Air consumption at 100% int.*	l/min	887	887
Air consumption at 15% int.*	l/min	133	133
Air consumption at 100% int.*	l/sek	14.78	14.78
Air consumption at 15% int.*	l/sek	2.21	2.21
Weight	kg	2.41	2.43

* At 6.2 bar.

Luna. High quality impact wrench with reversible action. Ideal for diverse work within the "automotive" sector with high tightening and loosening torque. The tightening torque is adjustable in three different positions. Manufactured of magnesium and aluminium. Pistol model with exhaust handle. Equipped with variable throttle and swivel air intake 360° for easy management of the machine and air hose. The grip surfaces are made up of user-friendly rubber and are recessed in the handle for the best comfort and design and which also insulated against the cold and reduce vibrations. Machines are balanced to capture the vibrations from the high impact force in the best possible way.

Supplied in plastic case with 9 power sockets, 3 extended sockets with plastic cover, extension and mist lubricator.

20456-0056 **Pin Clutch** impact mechanism.

20456-0106 **Twin Hammer** mechanism for balanced impact.



No 20456

Art. no.	20456	-0056	-0106
Luna	No	AIW 1/2" PC-S	AIW 1/2" TH-S
Socket drive	inch	1/2	1/2
Standard socket dimension	mm	10, 11, 13, 15, 16, 17, 18, 19, 21	10, 11, 13, 15, 16, 17, 18, 19, 21
Extended socket dimension	mm	17, 19, 21	17, 19, 21
Extension bar, length	mm	125	125
Bolt capacity	mm	M10-M18	M10-M18
Speed	rpm	8350	7330
Max. tightening torque (3 steps)	Nm	500/610/700	500/610/700
Max. tightening torque (3 steps)	ft-lb	374/455/523	374/455/523
Max. release torque	Nm	720	720
Max. release torque	ft-lb	538	538
Rec. working torque	Nm	500-650	500-650
Rec. working torque	ft-lb	374-486	374-486
Impact mechanism	type	Pin Clutch	Twin Hammer
Sound level (ISO 8662-7)	dB (A)	85.1	88.0
Vibration (ISO 15744:1999)	m/s ²	< 2.5	< 2.5
Rec. hose dimension	inch	3/8	3/8
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	887	887
Air consumption at 15% duty cycle.*	l/min	133	133
Air consumption at 100% duty cycle.*	l/s	14.78	14.78
Air consumption at 15% duty cycle.*	l/s	2.21	2.21
Machine weight	kg	2.41	2.43

* At 6.2 bar.



No 20734

Impact wrenches

Luna. Noise dampened design. Motor housing of composite material. Low weight. Ergonomic handle which is also insulated against the cold and vibrations. 360° revolving air intake. Reversible - 3 step forwards and 2 backwards. Air discharge through the handle away from the user. Variable trigger. **Twin Hammer** for high tightening torque and balanced impact. Designed for professional workshop work.

20734-0100 Mini Model of 1/2" for lightweight and flexible handling.

Art. no.	20734	-0100	-0209
Luna	No	AIWC 1/2" THM	AIWC 1/2" TH
Socket drive	inch	1/2	1/2
Bolt capacity	mm	M6-M12	M8-M16
Speed	rpm	10000	8500
Max. tightening torque	Nm	530	690
Max. tightening torque	ft-lb	396	515
Max. tightening torque (3 steps)	Nm	280/370/475	490/585/690
Max. tightening torque (3 steps)	ft-lb	209/276/355	366/437/515
Max. release torque	Nm	565	720
Max. release torque	ft-lb	422	538
Rec. tightening torque	Nm	280-400	490-600
Rec. tightening torque	ft-lb	209-299	366-448
Impact mechanism	type	Twin Hammer	Twin Hammer
Sound level (EN ISO 15744:2002)	dB (A)	85.0	85.8
Vibration	m/s ²	< 2.5	< 2.5
Rec. hose dimension	inch	3/8	3/8
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	930	1360
Air consumption at 15% duty cycle.*	l/min	139	204
Air consumption at 100% duty cycle.*	l/s	15.5	22.7
Air consumption at 15% duty cycle.*	l/s	2.25	2.31
Weight	kg	1.20	1.91

* At 6.2 bar.



No 20750

Luna. Noise dampened design. Motor housing of composite material. Low weight. Ergonomic, rubber handle which is also insulated against the cold and vibrations. 360° swivel hose connection. Reversible - 3 step forwards and 2 backwards. Air discharge through the handle away from the user. Variable trigger. Impact mechanism of type **Twin Hammer** for high torque and well-balanced tightening and loosening. Square drive with ring lock for power sockets. Designed for professional workshop work.

Supplied in plastic case with 9 power sockets, 3 long power sockets with protective sleeve, extension bar and a mist lubricator.

Art. no.	20750	-0109
Luna	No	AIWC 1/2" TH-S
Socket drive	inch	1/2
Standard socket dimension	mm	10, 11, 13, 15, 16, 17, 18, 19, 21
Long socket's dimensions	mm	17, 19, 21
Extension bar, length	mm	125
Bolt capacity	mm	M8 - M16
Speed	rpm	8500
Max. tightening torque	Nm	690
Max. tightening torque	ft-lb	510
Tightening torque (3 stage)	Nm	490/585/690
Tightening torque (3 stage)	ft-lb	366/437/515
Loosening torque	Nm	720
Loosening torque	ft-lb	538
Rec. working torque	Nm	490-600
Rec. working torque	ft-lb	366-448
Impact mechanism	type	Twin Hammer
Sound level (EN ISO 15744:2002)	dB (A)	85.8
Vibration (ISO 8662-7:1977)	m/s ²	< 2.5
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	1360
Air consumption at 15% duty cycle.*	l/min	204
Air consumption at 100% duty cycle.*	l/s	22.7
Air consumption at 15% duty cycle.*	l/s	2.31
Machine weight	kg	1.91
Pack.	qty	2

* At 6.2 bar.

Impact wrenches

Luna. High quality impact wrench with reversible action. Idea for diverse work within the "automotive" sector with high tightening and loosening torque. The tightening torque is adjustable in three different positions. Manufactured of magnesium and aluminium. Pistol model with exhaust handle with possibility of attaching a drain hose. Equipped with variable throttle and swivel air intake 360° for easy management of the machine and air hose. The grip surfaces are made up of user-friendly rubber and are recessed in the handle for the best comfort and design and which also insulated against the cold and reduce vibrations. Machines are balanced to capture the vibrations from the high impact force in the best possible way.

AIW3/4"TH Square drive with ring locking for power sockets.

AIW1"TH Square drive with hole/pin retainers for the power sockets.



No 20569

Art. no.	20569	-0100	-0209
Luna	No	AIW3/4"TH	AIW1"TH
Socket drive	inch	3/4	1
Bolt capacity	mm	M18-M27	M22-M33
Speed	rpm	5 500	5 500
Max. tightening torque (3 steps)	Nm	1080/1390/1560	1080/1390/1560
Max. tightening torque (3 steps)	ft-lb	805/1040/1165	805/1040/1165
Max. release torque	Nm	1560	1560
Max. release torque	ft-lb	1165	1165
Rec. working torque	Nm	750-1200	750-1200
Rec. working torque	ft-lb	560-900	560-900
Impact mechanism	type	Twin Hammer	Twin Hammer
Sound level (ISO 8662-7)	dB (A)	89.6	89.6
Vibration (ISO 15744:1999)	m/s ²	2.16	2.16
Rec. hose dimension	inch	1/2	1/2
Connection thread	G (R)	3/8	3/8
Air consumption at 100% duty cycle.*	l/min	1400	1400
Air consumption at 15% duty cycle.*	l/min	210	210
Air consumption at 100% duty cycle.*	l/s	23.33	23.33
Air consumption at 15% duty cycle.*	l/s	3.50	3.50
Weight	kg	5.22	5.25
Accessories:			
Support handle	20569	-1009	-1009

*) At 6.2 bars.

Luna. Noise dampened design. Motor housing of composite material. Low weight. Ergonomic handle which is also insulated against the cold and vibrations. 360° swivel air connection. Reversible - 3 step forwards and 2 backwards. Air discharge through the handle away from the user. Variable trigger. Impact mechanism of type **Twin Hammer** for high torque and well-balanced tightening and loosening. Designed for professional workshop work.



No 20793

Art. no.	20793	-0108
Luna	No	AIWC3/4"TH
Socket drive	inch	3/4
Bolt capacity	mm	M18-M27
Speed	rpm	5200
Max. tightening torque	Nm	1530
Max. tightening torque	ft-lb	1129
Tightening torque (3 stage)	Nm	405/1010/1215
Tightening torque (3 stage)	ft-lb	300/750/900
Max. release torque	Nm	1580
Max. release torque	ft-lb	1166
Rec. working torque	Nm	335=1145
Rec. working torque	ft-lb	250=850
Impact mechanism	type	Twin Hammer
Sound level (EN ISO 15744:2002)	dB (A)	96
Vibration (ISO 8662-7:1997)	m/s ²	<2.5
Rec. hose dimension	inch	1/2
Connection thread	inch	3/8
Air consumption at 100% duty cycle.*	l/min	1300
Air consumption at 15% duty cycle.*	l/min	195
Air consumption at 100% duty cycle.*	l/s	21.7
Air consumption at 15% duty cycle.*	l/s	3.2
Weight	kg	3.15

* At 6.2 bar.



No 20732

Impact wrenches

Luna. a very powerful and effective impact wrench with double impact mechanism and a 150 mm long socket drive. Reversing and with three torque ranges in each direction. Machine body of magnesium/aluminium alloy with a rubber guard on each side. Impact mechanism of type **Twin Hammer** for high torque and well-balanced tightening and loosening. Suitable for automotive industry with its high loosening and tightening torque and great impact power. Straight model with a support handle on the side. Integrated trigger. Air discharge from the work piece.

Art. no.	20732	-0102	-0201
Luna	No	AIW $\frac{3}{4}$ "TH-6	AIW1"TH-6
Socket drive	inch	$\frac{3}{4}$	1
Bolt capacity	mm	M18-M27	M22-M33
Speed	rpm	4500	4500
Max. tightening torque	Nm	3300	3300
Max. tightening torque	ft-lb	2450	2450
Torque (3 stage)	Nm	1850/2500/2700	1850/2500/2700
Max. release torque (3 stage)	Nm	2000/2700/2900	2000/2700/2900
Max. release torque (3 stage)	ft-lb	1480/2000/2150	1480/2000/2150
Recommended tightening torque	Nm	500-2500	600-2700
Recommended tightening torque	ft-lb	370-1850	445-2000
Impact mechanism	type	Twin Hammer	Twin Hammer
Sound level	dB (A)	111.4	111.4
Vibration	m/s ²	3.01	3.01
Rec. hose dimension	inch	$\frac{3}{4}$	$\frac{3}{4}$
Connection thread	G (R)	$\frac{1}{2}$	$\frac{1}{2}$
Air consumption at 100% duty cycle.*	l/min	1860	1860
Air consumption at 15% duty cycle.*	l/min	279	279
Air consumption at 100% duty cycle.*	l/s	31.0	31.0
Air consumption at 15% duty cycle.*	l/s	4.6	4.6
Length	mm	485	485
Weight	kg	9.8	9.9

* At 6.2 bar.

Air ratchets

Short models - Stubby



No 20733

Luna. Ergonomic handle, which insulates against cold air and vibrations. Discharge through the handle away from the user. 360° Adjustable air intake. Reversible. Ideal for work in confined areas. Integrated trigger for a comfortable grip. Designed for professional workshop work. Steel with planetary gears. Ball-shaped square socket drive for quick connection to power sockets.

Art. no.	20733	-0101	-0200
Luna	No	ARS $\frac{1}{4}$ "	ARS $\frac{3}{8}$ "
Socket drive	inch	$\frac{1}{4}$	$\frac{3}{8}$
Bolt capacity	mm	M10	M10
Speed	rpm	280	280
Max. tightening torque	Nm	34	34
Max. tightening torque	ft-lb	25.2	25.2
Recommended tightening torque	Nm	8-34	8-34
Recommended tightening torque	ft-lb	5.9-25.2	5.9-25.2
Sound level	dB (A)	89.1	87.5
Vibration	m/s ²	2.32	2.97
Rec. hose connection	inch	$\frac{3}{8}$	$\frac{3}{8}$
Connection thread	G (R)	$\frac{1}{4}$	$\frac{1}{4}$
Air consumption at 100% duty cycle.*	l/min	420	420
Air consumption at 15% duty cycle.*	l/min	63	63
Air consumption at 100% duty cycle.*	l/s	7.0	7.0
Air consumption at 15% duty cycle.*	l/s	1.1	1.1
Length	mm	165	165
Weight	kg	0.53	0.53

* At 6.2 bar.

Air ratchets

Standard models

Luna. Durable and powerful stall impact wrench in ratchet model. Reversible. Extremely suitable for diverse work within the "automotive" sector and the like. Manufactured of steel with ergonomically designed handle that insulates against the cold and reduces vibration. Equipped with 360° adjustable ejector device and swivel air intake 360° for easy handling of the machine and air hose. With lever arm throttle recessed in the handle. Square drive med ball locking of power sockets.



No 20572-0204

Art. no.	20572	-0105	-0204
Luna	No	AR $\frac{3}{8}$ "	AR $\frac{1}{2}$ "
Socket drive	inch	$\frac{3}{8}$	$\frac{1}{2}$
Bolt capacity	mm	M5-M8	M6-M10
Speed	rpm	240	240
Max. tightening torque	Nm	120	120
Rec. working torque	Nm	15-100	15-100
Sound level (ISO 8662-7)	dB (A)	92	92
Vibration (ISO 15744:1999)	m/s ²	0.96	0.96
Rec. hose dimension	inch	$\frac{5}{16}$	$\frac{5}{16}$
Connection thread	G (R)	$\frac{1}{4}$	$\frac{1}{4}$
Air consumption at 100% duty cycle.*	l/min	755	755
Air consumption at 15% duty cycle.*	l/min	113	113
Air consumption at 100% duty cycle.*	l/s	12.6	12.6
Air consumption at 15% duty cycle.*	l/s	1.9	1.9
Length	mm	330	330
Weight	kg	1.35	1.35

* At 6.3 bar.

Luna. Strong and powerful stall impact wrench in ratchet model. Reversible. Ideal for diverse work in the "automotive" sector and the like. Manufactured of steel with ergonomically designed handle that insulates against the cold and reduces vibration. Equipped with 360° adjustable ejector device and swivel air intake 360° for easy handling of the machine and air hose. With lever arm throttle recessed in the handle.

Set $\frac{3}{8}$ " - supplied with 9 power sockets, extension, adapter $\frac{3}{8}$ " for $\frac{1}{2}$ " mist lubricator and 10 ml pneumatic tool oil.

Set $\frac{1}{2}$ " - supplied with 7 power sockets, extension, universal joint, mist lubricator and 10 ml pneumatic tool oil.

Square drive med ball locking of power sockets.



No 20573-0104

Art. no.	20573	-0104	-0203
Luna	No	AR $\frac{3}{8}$ "-S	AR $\frac{1}{2}$ "-S
Socket drive	inch	$\frac{3}{8}$	$\frac{1}{2}$
Socket's dimension	mm	8, 10, 12, 13, 14, 15, 16, 17, 19	10, 11, 12, 13, 15, 17, 19
Long socket's dimensions	mm	8, 10, 12, 13, 14, 16, 17, 19	10, 11, 12, 13, 15, 17, 19
Extension length	mm	75	75
Pins	inch	$\frac{3}{8}$ - $\frac{1}{4}$, $\frac{3}{8}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{3}{8}$
Bolt capacity	mm	M5-M8	M6-M10
Speed	rpm	240	240
Max. tightening torque	Nm	120	120
Max. tightening torque	ft-lb	90	90
Rec. working torque	Nm	15-100	15-100
Rec. working torque	ft-lb	11.2-75	11.2-75
Sound level (ISO 8662-7)	dB (A)	92	92
Vibration (ISO 15744:1999)	m/s ²	3.5	3.5
Rec. hose dimension	inch	$\frac{5}{16}$	$\frac{5}{16}$
Connection thread	G (R)	$\frac{1}{4}$	$\frac{1}{4}$
Air consumption 100% int.*	l/min	755	755
Air consumption 15% int.*	l/min	113	113
Air consumption 100% int.*	l/s	12.6	12.6
Air consumption 15% int.*	l/s	1.9	1.9
Length	mm	330	330
Weight machine	kg	1.35	1.35
Weight set	kg	3.3	3.3

* At 6.2 bar.



No 20638

Air drills

Luna. A small, lightweight and flexible drilling machine which makes it extremely easy-to-use. Well suited for maintenance and service work as you can easily access confined areas. Ergonomically designed handle which insulated against the cold and vibrations. Exhaust handle. Swivel air intake 360°. Non reversing. Supplied with chuck key.

Art. no.	20638	-0107
Luna	No	AD6.5KC
Drill capacity	mm	6.5
Speed	rpm	2800
Spindle thread	UNF	3/8x24
Noise level (according to CEN/TC 255 N 81)	dB (A)	84
Vibrations (according to ISO 5349)	m/s ²	0.4
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	420
Air consumption at 20% duty cycle.*	l/min	84
Air consumption at 10% duty cycle.*	l/s	7.0
Air consumption at 20% duty cycle.*	l/s	1.4
Weight	kg	0.6

* At 6.2 bar.



Illustration shows with key chuck



Illustration shows with a quick chuck

Luna. Gun model reversible. Suitable for maintenance and service work. Variable throttle and easily accessible control. Ergonomically designed handle which insulated against the cold and vibrations. Exhaust handle. Swivel air intake 360°. For both right and left hand use. Reversing. A display is supplied when ordering 5 drilling machines.

20639-0106 supplied With key chuck.

20639-0205 supplied with quick chuck.

Art. no.	20639	-0106	-0205
Luna	No	AD10KC	AD10QC
Chuck capacity	mm	10	10
Chuck	type	key	quick
Speed	rpm	1800	1800
Spindle thread	UNF	3/8x24	3/8x24
Noise level (according to CEN/TC 255 N 81)	dB (A)	82	82
Vibrations (according to ISO 5349)	m/s ²	0.8	0.8
Rec. hose dimension	inch	3/8	3/8
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	550	550
Air consumption at 20% duty cycle.*	l/min	110	110
Air consumption at 100% duty cycle.*	l/s	9.2	9.2
Air consumption at 20% duty cycle.*	l/s	1.8	1.8
Weight	kg	1.3	1.4
Pack.	qty	5	5

Side handle 20640 -1002 -1002

* At 6.2 bar.



No 20806-0103



No 20806-0202

Luna. Sets containing drilling machine and drill sets. The machine has an ergonomic throttle integrated in the handle, for both right and left-hand use. Switching button for right or left-hand rotation on top of the machine. Variable speed adjustment. 360° swivel air connection. Exhaust handle.

Supplied in plastic case with drill set of 24 drills, 1-10 mm in 0.5 mm increments (3 each of 1.0, 1.5, 2.0 and 2.5 mm), 1 air lubricator, a centre punch and a support handle.

20806-0103 Supplied with key chuck.

20806-0202 Supplied with quick chuck.

Art. no.	20806	-0103	-0202
Luna	No	AD10KC-S	AD10QC-S
Drill capacity	mm	10	10
Speed	rpm	1800	1800
Spindle thread	UNF	3/8x24	3/8x24
Noise level (according to CEN/TC 255 N81)	dB (A)	82	82
Vibrations (according to ISO 5349)	m/s ²	0.8	0.8
Rec. hose dimension	inch	3/8	3/8
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	550	550
Air consumption at 20% duty cycle.*	l/min	110	110
Air consumption at 100% duty cycle.*	l/s	9.2	9.2
Air consumption at 20% duty cycle.*	l/s	1.8	1.8
Machine weight	kg	1.3	1.4

Accessories

Support handle 20640 -1002 -1002

* At 6.2 bar.

Air drills



With key chuck



With quick chuck

Luna. Gun model reversible. Suitable for maintenance and service work. Variable throttle and easily accessible control. Ergonomically designed handle which insulated against the cold and vibrations. Air discharge through the handle. Swivel air intake 360°.

With support handle.

20640-0103 supplied with key chuck.

20640-0202 supplied with quick chuck.

Art. no.	20640	-0103	-0202
Luna	No	AD13KC	AD13QC
Chuck capacity	mm	13	13
Speed	rpm	800	800
Spindle thread	UNF	3/8x24	3/8x24
Noise level (according to CEN/TC 255 N 81)	dB (A)	79	79
Vibrations (according to ISO 5349)	m/s ²	0.7	0.7
Rec. hose dimension	inch	3/8	3/8
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	635	635
Air consumption at 20% duty cycle.*	l/min	127	127
Air consumption at 100% duty cycle.*	l/s	10.6	10.6
Air consumption at 20% duty cycle.*	l/s	2.1	2.1
Weight	kg	1.6	1.7
Accessories:			
Support handle	20640	-1002	-1002

* At 6.2 bar.

Luna. Straight model with the throttle integrated in the handle. For both left and right-hand use. Variable speed control. Swivel 360° air connection. Ergonomically designed handle which insulated against the cold and vibrations. Exhaust handle. Non reversing. Equipped with quick chuck for quick shifting between different drill diameters and support handle.



No 20810

Art. no.	20810	-0107
Luna	No	ADS10KC
Drill capacity	mm	10
Speed	rpm	1800
Spindle thread	UNF	3/8x24
Noise level (according to CEN/TC 255 N81)	dB (A)	82
Vibrations (according to ISO 5349)	m/s ²	0.8
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	550
Air consumption at 20% duty cycle.*	l/min	110
Air consumption at 100% duty cycle.*	l/s	9.2
Air consumption at 20% duty cycle.*	l/s	1.8
Weight	kg	1.3
Accessories:		
Support handle	20810	-0503

* At 6.2 bar.



No 20775

Air screwdriver

Luna. Pistol model in reversible design. Ergonomically designed handle which insulated against the cold and vibrations. Variable speed adjustment. 360° swivel hose connection. Exhaust air is led off through the handle. Equipped with adjustable claw coupling which releases at the full tightening torque. Claw coupling is not affected when loosening screws but works at full power. Starts automatically when applied to the screw when the throttle is held in. For garages and other workshops. Developed for professional workshop use. Supplied with 3 different torque springs.

Art. no.	20775	-0100
Luna	No	ASD6-800
For bits with \odot -drive (design 4)	inch	1/4
Screw capacity	mm	6
Speed	rpm	800
Torque	Nm	1.1-14.6
Sound level (CEN/TC 255 N81)	dB (A)	82
Vibration (ISO 5349)	m/s ²	0.7
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	555
Air consumption at 20% duty cycle.*	l/min	111
Air consumption at 100% duty cycle.*	l/s	9.3
Air consumption at 20% duty cycle.*	l/s	1.9
Weight	kg	0.95

* At 6.2 bar.



No 20028

Luna. Straight model in reversible design. 360° swivel hose connection. Ergonomic handle, which insulates against cold air and vibrations. Exhaust handle. Equipped with dog clutch and a suspension eye. Starts automatic when applied on the screw. Developed for professional use. Supplied with 3 springs for different torque.

Art. no.	20028	-0105
Luna	No	ASDS6-11
For bits with \odot -drive (design 4)	inch	1/4
Screw capacity	mm	6
Speed	rpm	1100
Torque	Nm	0.4-4.5
Sound level (EN ISO15744:2002)	dB (A)	84
Vibration (EN 28662-1)	m/s ²	0.5
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	565
Air consumption at 20% duty cycle.*	l/min	113
Air consumption at 100% duty cycle.*	l/s	9.4
Air consumption at 20% duty cycle.*	l/s	1.9
Weight	kg	0.7

* At 6.2 bar.

Die grinders

Mini

Luna. Straight mini model for rotary burrs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides good comfort to the user while working.

Easy to use in confined areas. Supplied with 3 and 6 mm collets plus 1/4".



No 20737

Art. no.	20737	-0107
Luna	No	ADG25
For shank diameter	mm/inch	3 / 6 / 1/4
Speed	rpm	25000
Sound level (CEN/TC 255 N81)	dB (A)	83
Vibration (ISO 5349)	m/s ²	3.6
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	330
Air consumption at 40% duty cycle.*	l/min	132
Air consumption at 100% duty cycle.*	l/s	5.5
Air consumption at 40% duty cycle.*	l/s	2.2
Output	W	224
Length	mm	160
Weight	kg	0.4
Accessories		
Collet 3 mm	20736	-0504
Collet 6 mm	20736	-0603
Collet 1/4"	20736	-0702

* At 6.2 bar.

Mini - Set

Luna. Straight mini model in kit for rotary burrs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Designed for easy use and with rubber handle that insulates against the cold and good user comfort during use.

Supplied med 5 x 3 mm grinding stones, 5 x 6 mm grinding stones, 3 and 6 mm plus 1/4" chuck collets, 1 x mist lubricator and 2 x spanners.



No 20739

Art. no.	20739	-0105
Luna	No	ADG25-S
For shank diameter	mm/inch	3 / 6 / 1/4
Speed	rpm	25000
Sound level (CEN/TC 255 N81)	dB (A)	86
Vibration (ISO 5349)	m/s ²	3.6
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	330
Air consumption at 40% duty cycle.*	l/min	132
Air consumption at 100% duty cycle.*	l/s	5.5
Air consumption at 40% duty cycle.*	l/s	2.2
Output	W	224
Length	mm	160
Machine weight	kg	0.4
Accessories		
Collet 3 mm	20736	-0504
Collet 6 mm	20736	-0603
Collet 1/4"	20736	-0702

* At 6.2 bar.



No 20742

Die grinders

Mini - Extended

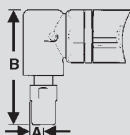
Luna. Straight mini model with extended drive for rotary burs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel air intake. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides the user with good comfort while working. Good access in confined areas. Supplied as standard with 3 chuck collets - 3 and 6 mm and 1/4".

Art. no.	20742	-0100
Luna	No	ADGE25
For shank diameter	mm/inch	3 / 6 / 1/4
Speed	rpm	25000
Sound level (CEN/TC 255 N81)	dB (A)	88.0
Vibration (ISO 5349)	m/s ²	3.6
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	330
Air consumption at 40% duty cycle.*	l/min	132
Air consumption at 100% duty cycle.*	l/s	5.5
Air consumption at 40% duty cycle.*	l/s	2.2
Output	W	224
Length	mm	255
Weight	kg	0.7
Accessories		
Collet 3 mm	20736	-0504
Collet 6 mm	20736	-0603
Collet 1/4"	20736	-0702

* At 6.2 bar.



No 20738



Mini - 90°

Luna. Angled mini model 90° for rotary burs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides the user with good comfort while working. Easy to use in confined areas. Supplied with 3 and 6 mm collets and 1/4".

Art. no.	20738	-0106
Luna	No	ADG22-90
For shank diameter	mm/inch	3 / 6 / 1/4
Speed	rpm	22000
Sound level (CEN/TC 255 N81)	dB (A)	93
Vibration (ISO 5349)	m/s ²	2.5
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	330
Air consumption at 40% duty cycle.*	l/min	132
Air consumption at 100% duty cycle.*	l/s	5.5
Air consumption at 40% duty cycle.*	l/s	2.2
Output	W	224
Length	mm	165
A-measurement (see diagram)	mm	9.5
B-measurement (see diagram)	mm	75
Weight	kg	0.5
Accessories		
Collet 3 mm	20736	-0504
Collet 6 mm	20736	-0603
Collet 1/4"	20736	-0702

* At 6.2 bar.

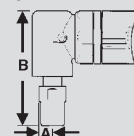
Die grinders

Mini - 115°

Luna. Angled mini model 115° for rotary burrs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides the user with good comfort while working. Easy-to-use in confined areas. Supplied with 3 and 6 mm collets and 1/4".



No 20741



Art. no.	20741	-0101
Luna	No	ADG22-115
For shank diameter	mm/inch	3 / 6 / 1/4
Speed	rpm	22000
Sound level (CEN/TC 255 N81)	dB (A)	100
Vibration (ISO 5349)	m/s ²	6.9
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	330
Air consumption at 40% duty cycle.*	l/min	132
Air consumption at 100% duty cycle.*	l/s	5.5
Air consumption at 40% duty cycle.*	l/s	2.2
Output	W	224
Length	mm	165
A-measurement (see diagram)	mm	9.5
B-measurement (see diagram)	mm	75
Weight	kg	0.5
Accessories		
Collet 3 mm	20736	-0504
Collet 6 mm	20736	-0603
Collet 1/4"	20736	-0702

* At 6.2 bar.

Midi

Luna. Straight midi model for rotary burrs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides good comfort to the user while working. Easy to use in confined areas. Supplied with 3 and 6 mm collets plus 1/4".



No 20736

Art. no.	20736	-0108
Luna	No	ADG22
For shank diameter	mm/inch	3 / 6 / 1/4
Speed	rpm	22000
Sound level (CEN/TC 255 N81)	dB (A)	91.0
Vibration (ISO 5349)	m/s ²	2.5
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	550
Air consumption at 40% duty cycle.*	l/min	220
Air consumption at 100% duty cycle.*	l/s	9.2
Air consumption at 40% duty cycle.*	l/s	3.7
Output	W	373
Length	mm	165
Weight	kg	0.65
Accessories		
Collet 3 mm	20736	-0504
Collet 6 mm	20736	-0603
Collet 1/4"	20736	-0702

* At 6.2 bar.

Die grinders

Maxi



No 20026

Luna. Straight maxi model type "High-Tech" for rotary burrs and mounted points. A very strong machine for powerful applications. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel air intake. Equipped with ergonomic rubber handle which is insulated against the cold and provides the user with good comfort while working. Supplied as standard with 3 chuck collets: 3 and 6 mm plus 1/4".

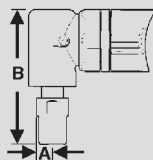
Art. no.	20026	-0107
Luna	No	ADG20-HP
For shank diameter	mm/inch	3 / 6 / 1/4"
Speed	rpm	20000
Sound level (EN ISO15744:2002)	dB (A)	85
Vibration (EN 28662-1)	m/s ²	1.2
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	320
Air consumption at 40% duty cycle.*	l/min	128
Air consumption at 100% duty cycle.*	l/s	5.3
Air consumption at 40% duty cycle.*	l/s	2.1
Output	W	750
Length	mm	208
Weight	kg	1.0
Accessories		
Collet 3 mm	20026	-0503
Collet 6 mm	20026	-0602
Collet 1/4"	20026	-0701

* At 6.2 bar.

Maxi - 90°



No 20027



Luna. Angled model 90° type high power for rotary burrs and mounted points. A very strong machine for powerful applications. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold provides the user with good comfort while working. Supplied as standard with 3 chuck collets: 3 and 6 mm plus 1/4".

Art. no.	20027	-0106
Luna	No	ADG12-90HP
For shank diameter	mm/inch	3 / 6 / 1/4"
Speed	rpm	12000
Sound level (EN ISO15744:2002)	dB (A)	89
Vibration (EN 28662-1)	m/s ²	1.7
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	320
Air consumption at 40% duty cycle.*	l/min	128
Air consumption at 100% duty cycle.*	l/s	5.3
Air consumption at 40% duty cycle.*	l/s	2.1
Output	W	750
Length	mm	232
A-measurement (see diagram)	mm	9.5
B-measurement (see diagram)	mm	75
Weight	kg	1.0
Accessories		
Collet 3 mm	20026	-0503
Collet 6 mm	20026	-0602
Collet 1/4"	20026	-0701

* At 6.2 bar.

Die grinders

Micro model

Luna. Straight micro model for rotary burs and mounted points. High speed model. For shank diameter 3 mm. Equipped with variable speed control and 360° swivel air intake.° Easy-to-use.

Supplied as standard with 3 mm collet, 1.5 m connection hose incl. 0.3 m return air hose.



No 20740

Art. no.	20740	-0102	-0201
Luna	No	ADH54	ADGH70
For max. shank diameter	mm	3	3
Speed	rpm	54000	70000
Sound level (PNEUROP PN8NTC1)	dB (A)	78	81
Vibration (ISO 8862)	m/s ²	2.0	2.0
Rec. hose dimension	inch	5/16	5/16
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	160	160
Air consumption at 40% duty cycle.*	l/min	64	64
Air consumption at 100% duty cycle.*	l/s	2.7	2.7
Air consumption at 40% duty cycle.*	l/s	1.1	1.1
Length	mm	137	137
Weight	kg	0.2	0.2
Accessories			
Collet 3 mm	20740	-0508	-0508

* At 6.2 bar.

Belt sanders



No 20773-0102



No 20773-0201

Luna. The handle swivels through 360° in relation to the grinding arm. 360° swivel air connection. Ergonomically designed handle which insulated against the cold and vibrations. Rear, sound dampened air discharge. Suitable for grinding in areas difficult to access as in internal areas and in corners on metal, plastic and wood. With safety throttle. Developed for professional workshop use.

20773-0102 Supplied with grinding arms for 6 and 10 mm wide abrasive belts and 4 abrasive belts.

20773-0201 Supplied with grinding arms for 20 mm wide abrasive belts and 2 abrasive belts.

Art. no.	20773	-0102	-0201
Luna	No	AB6/10	AB20
For abrasive belts	mm	6 / 10 x 330	20 x 520
Speed	rpm	18 000	16 000
Sound level (CEN/TC 255 N811)	dB (A)	82	84
Vibration (ISO 5349)	m/s ²	3.1	3.1
Rec. hose dimension	inch	3/8	3/8
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	630	740
Air consumption at 50% duty cycle.*	l/min	315	370
Air consumption at 100% duty cycle.*	l/s	10.5	12.3
Air consumption at 50% duty cycle.*	l/s	5.3	6.2
Length	mm	285	355
Weight	kg	0.9	1.5

* At 6.2 bar.

Random orbital sanders



Illustration shows AOG130



Illustration shows AOG130DB



Illustration shows AOG130CV

Luna. Easy to handle and effective grinding machines with oscillating rotating motion. One-hand grip. For sandpaper with **Velcro back**. Rear exhaust air flow with muffler. 360° swivel hose connection. Variable speed control. Developed for professional workshop use. Ergonomic motor housing of composite material, which insulates against the cold. With lever arm throttle, which is activated by pressing it into the motor housing for good comfort.

20248-0109 Without extraction device. Supplied with back-up pad with Velcro back.

20248-0208 With extraction device. Supplied with back-up pad with Velcro back and suction hose and dust bag.

20248-0307 For connection to central extractor. Supplied with back-up pad with Velcro back.

Art. no.	20248	-0109	-0208	-0307
Luna	No	AOG130	AOG130DB	AOG130CV
Grinding plate diameter	mm	130x80	130x80	130x80
Suitable abrasive sheets	mm	133x80	133x80	133x80
Speed	rpm	10000	10000	10000
Eccentric motion	mm	2.5	2.5	2.5
Sound level (EN ISO 15744:2002)	dB (A)	78	83	78
Vibration (ISO 8662-8:1997)	m/s ²	3.0	3.0	3.0
Rec. hose dimension	inch	3/8	3/8	3/8
Connection thread	G (R)	1/4	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	510	510	510
Air consumption at 50% duty cycle.*	l/min	255	255	255
Air consumption at 100% duty cycle.*	l/s	8.5	8.5	8.5
Air consumption at 50% duty cycle.*	l/s	4.3	4.3	4.3
Dimensions	mm	168x80x92	220x80x92	205x80x92
Weight	kg	0.68	0.72	0.73
Accessories:				
Back-up pad 130x80 - Velcro back...	20248	-1008	-1107	-1107
Suction hose 1.75 m	20749	-	-0707	-
Dust bag	20749	-	-0806	-

* At 6.2 bar.



No 20749-0103



No 20749-0301

Luna. Easy to handle and effective grinding machines with eccentric rotating motion. One-hand grip. For sandpaper discs. With **Velcro back**. Rear exhaust air flow with muffler. 360° swivel hose connection. Variable speed control. Developed for professional workshop use. Ergonomic motor housing of composite material, which insulates against the cold. With lever arm throttle, which is activated by pressing it into the motor housing.

20749-0103 Without extraction device. Supplied with back-up pad with Velcro back.

20749-0202 With extraction device. Supplied with back-up pad with Velcro back and suction hose and dust bag.

20479-0301 For connection to central extractor. Supplied with back-up pad with Velcro back

Art. no.	20749	-0103	-0202	-0301
Luna	No	AEX12	AEX12DB	AEX12CV
Back-up pad diameter	mm	150	150	150
Speed	rpm	12000	12000	12000
Spindle thread female	UNF	5/16x24	5/16x24	5/16x24
Eccentric motion	mm	5	5	5
Sound level (EN ISO 15744)	dB (A)	82	82	82
Vibration (ISO 8662-8)	m/s ²	2.4	2.4	2.4
Rec. hose dimension	inch	3/8	3/8	3/8
Connection thread	G (R)	1/4	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	300	300	300
Air consumption at 50% duty cycle.*	l/min	150	150	150
Air consumption at 100% duty cycle.*	l/s	5.0	5.0	5.0
Air consumption at 50% duty cycle.*	l/s	2.5	2.5	2.5
Weight	kg	0.9	0.9	0.9
Accessories:				
Back-up pad 150 mm with Velcro back ...	20749	-0509	-0509	-0509
Back-up pad 150 mm - self-adhesive	20749	-0608	-0608	-0608
Suction hose 1.75 m	20749	-	-0707	-
Dust bag	20749	-	-0806	-

* At 6.2 bar.

Angle grinders

Luna. Intended for depressed centre wheels and cut-off wheels. Ergonomically designed handle which insulated against the cold and vibrations. Air discharge through the handle. Safety throttle. 360° swivel hose connection. Developed for professional workshop use. With guard, adjustable in 9 different positions. Side handle with vibration damping. M14 flange washer for easy switching of depressed centre wheels and cut-off wheels available as an accessory. Spindle lock.

One depressed centre wheel is supplied as standard.



No 20777

Art. no.	20777	-0108	-0207
Luna	No	AAG115	AAG125
For depressed centre wheels	mm	115x22	125x22
Spindle thread		M 14	M 14
Speed	rpm	10000	10000
Sound level (CEN/TC 255 N81)	dB (A)	82	82
Vibration (ISO 5349)	m/s ²	2.4	2.4
Rec. hose dimension	inch	3/8	3/8
Connection thread	G (R)	1/4	1/4
Air consumption at 100% duty cycle.*	l/min	450	450
Air consumption at 50% duty cycle.*	l/min	225	225
Air consumption at 100% duty cycle.*	l/s	7.5	7.5
Air consumption at 50% duty cycle.*	l/s	3.8	3.8
Output	W	485	485
Weight	kg	1.9	1.9

Accessories:

Hand operated flange nut M14	20777	-0504	-0504
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* At 6.2 bar.

Cut-off tools

Luna. Intended for cut-off discs. Ergonomically designed throttle integrated in the handle, which insulates against the cold and vibrations. Safety throttle. 360° swivel hose connection. Exhaust handle. Developed for professional workshop use. Equipped with guard above the cut-off disc and with speed control.



No 20778

Art. no.	20778	-0107
Luna	No	ACO80
For cutting discs	mm	80x2x10
Spindle thread	UNC	3/8 - 24
Speed	rpm	20 000
Sound level (CEN/TC 255 N81)	dB (A)	85
Vibration (ISO 5349)	m/s ²	1.6
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 10% duty cycle.*	l/min	432
Air consumption at 40% duty cycle.*	l/min	173
Air consumption at 100% duty cycle.*	l/s	7.2
Air consumption at 40% duty cycle.*	l/s	2.9
Weight	kg	0.9

* At 6.2 bar.

Luna. Intended for cut-off discs. **Reversible direction of rotation** for better use by both right and left-hand users and better control of spark formation. Ergonomic trigger integrated in the handle, which insulates against cold air and vibrations. Safety throttle. 360° swivel hose connection. Exhaust handle. Developed for professional workshop use. Equipped with guard above the cut-off disc and with speed control.



No 20029

Art. no.	20029	-0104
Luna	No	ACO80-R
For cutting discs Ø	mm	80x2x10
Spindle thread	UNC	3/8 - 24
Speed	rpm	16000
Sound level (EN ISO15744:2002)	dB (A)	98
Vibration (EN 28662-1)	m/s ²	0.5
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 10% duty cycle.*	l/min	432
Air consumption at 40% duty cycle.*	l/min	173
Air consumption at 100% duty cycle.*	l/s	7.2
Air consumption at 40% duty cycle.*	l/s	2.9
Weight	kg	0.9

* At 6.2 bar.



No 20868

Sheet-metal saws

Luna. Micro Model. An effective plate saw for many application areas. Useable for several materials including sheet metal, aluminium, copper, plastic, wood etc. Ergonomically designed handle which insulates against the cold and vibrations. Exhaust handle. Discharge hose that reduces the noise and leads the exhaust air from the work piece. Adjustable blade support. Can be used with broken hacksaw blades. Equipped with safety throttle and swivel air connection.

Supplied with 3 saw blades - with 18, 24 and 32 teeth/inch.

Art. no.	20868	-0108
Luna	No	ASM2.0
Stroke length	mm	5
Number of strokes	per minute	7500
Saw depth in steel	mm	2.0
Saw depth in aluminium	mm	3.4
Saw depth in wood	mm	4.0
Sound level (PNEUROP PN8NTC1)	dB (A)	87
Vibration (ISO 8862 PARTS 1 and 12)	m/s ²	6.6
Rec. hose dimension	inch	5/16
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	280
Air consumption at 40% duty cycle.*	l/min	112
Air consumption at 100% duty cycle.*	l/s	4.7
Air consumption at 40% duty cycle.*	l/s	1.9
Length	mm	175
Machine weight	kg	0.44
Accessories		
Metal saw blade 18 tpi/inch (5)	20869	-0404
Metal saw blade 24 tpi/inch (5)	20869	-0503
Metal saw blade 32 tpi/inch (5)	20869	-0602

* At 6.2 bar.



No 20869

Luna. A robust plate saw for powerful sawing. Useable for several materials including sheet metal, aluminium, copper, plastic, wood etc. Ergonomically designed handle which insulates against the cold and vibrations. Exhaust handle. Discharge hose that reduces the noise and leads the exhaust air from the work piece. Adjustable blade support. Variable speed adjustment. Can be used with broken hacksaw blades. Equipped with safety throttle and swivel air connection.

Supplied with 3 saw blades - with 18, 24 and 32 teeth/inch.

Art. no.	20869	-0107
Luna	No	ASL3.0
Stroke length	mm	10
Number of strokes	per minute	5000
Saw depth in steel	mm	3.0
Saw depth in aluminium	mm	4.0
Saw depth in wood	mm	5.0
Sound level (PNEUROP PN8NTC1)	dB (A)	91
Vibration (ISO 8862 PARTS 1 and 2)	m/s ²	6.6
Rec. hose dimension	inch	5/16
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	280
Air consumption at 40% duty cycle.*	l/min	112
Air consumption at 100% duty cycle.*	l/s	4.7
Air consumption at 40% duty cycle.*	l/s	1.9
Length	mm	230
Machine weight	kg	0.96
Accessories		
Metal saw blade 18 tpi/inch (5)	20869	-0404
Metal saw blade 24 tpi/inch (5)	20869	-0503
Metal saw blade 32 tpi/inch (5)	20869	-0602



* At 6.2 bar.

Chisel hammers

Luna. Easy to use chisel hammer in gun model. With chisel fittings for both round and hexagon chisels. Ergonomic, variable throttle built into the handle. The handle has a patented stroke reduction mechanism - reduced vibrations and insulates against cold air. 360° swivel hose connection. Exhaust handle. Intended for garages and mechanical workshops. Developed for professional use.



No 20774

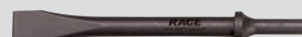
Art. no.	20774	-0101
Luna	No	ACH10.2
Tool attachment  / 	mm	10.2
Number of strokes	per min	2900-3100
Stroke length	mm	67
Noise level (according to BS EN 15744)	dB (A)	102.8
Vibrations (according to ISO 8662-9)	m/s ²	4.98
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	636
Air consumption at 20% duty cycle.*	l/min	127
Air consumption at 100% duty cycle.*	l/s	10.6
Air consumption at 20% duty cycle.*	l/s	2.1
Total length	mm	212
Weight	kg	1.8



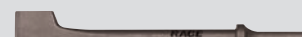
Chisel set



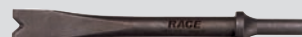
Dressing chisel



Flat chisel 21 mm



Flat chisel 35 mm



Spot weld chisel



Cant chisel





Cutting chisel

Accessories	Art. no.
Chisel retainer spring (standard)	-0507
Quick chuck	-0606
Chisels 7" with round fitting.	
Chisel set - round fitting (10)	-1000
Dressing chisel	-1109
Flat chisel 21 mm	-1208
Flat chisel 35 mm	-1307
Spot weld chisel	-1406
Cant chisel	-1505
Cutting chisel	-1604
Chisels 7" with hexagonal fitting	
Chisel set - hexagonal fitting (10)	-1703
Dressing chisel	-1802
Flat chisel 21 mm	-1901
Flat chisel 35 mm	-2008
Spot weld chisel	-2107
Cant chisel	-2206
Cutting chisel	-2305

* At 6.2 bar.

Luna. Gun design. For both circular and hexagonal chisel drive. Ergonomically designed, variable trigger, integrated in the handle. The handle has a patented stroke reduction mechanism - reduced vibrations and insulates against cold air. Variable air control. 360° swivel hose connection. Exhaust handle. Intended for garages and mechanical workshops.

Content per set: 1 chisel hammer, 15 screwdrivers (7 with hexagonal drive, 8 with round drive), 1 quick chuck, 1 chisel holder spring and 1 air lubricator.

Art. no.	20807	-0102
Luna	No	ACH10.2-S
Tool attachment  / 	mm	10.2
Number of strokes*	per min	2900-3100
Stroke length	mm	67
Sound level (BS EN 15744)	dB (A)	102.8
Vibration (ISO 8662-9)	m/s ²	4.98
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	636
Air consumption at 20% duty cycle.*	l/min	127
Air consumption at 100% duty cycle.*	l/s	10.6
Air consumption at 20% duty cycle.*	l/s	2.1
Total length	mm	212
Machine weight	kg	1.8

* At 6.2 bar.



No 20807



No 20024

Chisel hammer set

Luna. Straight model intended for cleaning work. With lever arm throttle and swivel air intake 360°. Forward directed air outlet. Suitable for professional use within offshore, automotive and mechanical workshops for the removal of paint, rust, weld joints and concrete. Quick chuck for chisels.
Supplied as standard with chisel hammer and 3 chisels.

Art. no.	20024	-0109
Luna	No	ACHS-S
Number of strokes*	per min	4400
Stroke length	mm	33
Sound level (EN ISO 15744)	dB (A)	100.5
Vibration (EN 28662-1 & EN 28662-5+A1)	m/s ²	2.7
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	360
Air consumption at 20% duty cycle.*	l/min	72
Air consumption at 100% duty cycle.*	l/s	6.0
Air consumption at 20% duty cycle.*	l/s	1.2
Total length	mm	340
Weight	kg	1.5
Accessories		
Flat chisel 20 mm	20023	-1009
Angle chisel 35 mm	20023	-1108
Dressing chisel	20023	-1207
Needle equipment complete	20023	-1306
Needle set 3 mm / x 12	20023	-1405

* At 6 bar.



No 20023

Cleaning- / Needle hammer set

Luna. Straight model intended for cleaning work. Suitable for processing on uneven surfaces as the needles' mutual placement is adapted to the surface. With lever arm throttle and swivel air intake 360°. Forward directed air outlet. Suitable for professional use within offshore, automotive and mechanical workshops for the removal of paint, rust, weld joints and concrete.

Supplied with complete chisel hammer, needle equipment and 3 chisels.

Art. no.	20023	-0100
Luna	No	ACHN19-S
Number of strokes*	per min	4400
Number of needles	ea.	19
Stroke length	mm	33
Needle diameter x length	mm	3x180
Sound level-Cleaning/Needles (EN ISO 15744)	dB (A)	100.5/90.1
Vibration-Cleaning/Needles (EN 28662-1 & EN 28662-5+A1)	m/s ²	2.7/1.6
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	360
Air consumption at 20% duty cycle.*	l/min	72
Air consumption at 100% duty cycle.*	l/s	6.0
Air consumption at 20% duty cycle.*	l/s	1.2
Total length	mm	400
Weight	kg	2.7
Accessories		
Flat chisel 20 mm	20023	-1009
Angle chisel 35 mm	20023	-1108
Dressing chisel	20023	-1207
Needle equipment complete	20023	-1306
Needle set 3 mm / x 19	20023	-1405

* At 6 bar.

Needle scaler

Luna. Straight model intended for cleaning work. Suitable for processing on uneven surfaces as the needles' mutual placement is adapted to the surface. With lever arm throttle and swivel air intake 360°. Forward directed air outlet. Suitable for professional use within offshore, automotive and mechanical workshops for the removal of pain and rust. Supplied with complete needle equipment.



No 20025

Art. no.	20025	-0108
Luna	No	ANS12
Number of strokes*	per min	2800
Number of needles	ea.	12
Stroke length	mm	24
Needle diameter x length	mm	3x126
Sound level (EN ISO 15744)	dB (A)	88.7
Vibration (EN 28662-1 & EN 28662-5+A1)	m/s ²	3.8
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption 100% int.*	l/min	300
Air consumption 20% int.*	l/min	60
Air consumption 100% int.*	l/s	5.0
Air consumption 20% int.*	l/s	1.0
Total length	mm	305
Weight	kg	1.1
Accessories		
Needle equipment complete	20025	-1007
Needle set 3 mm / x 12	20025	-1106

* At 6 bar.

Punch- /flange tool

Luna. Combined hole and punch tool for rational plate joining using only one tool. Thanks to the air-hydraulic-system the machine is silent and completely vibration free. The combination yoke can be swivelled through 360° for correct access and does not stretch the metal when folding. Gives equal folding for exact locking of the overlying sheet.



No 20022

Art. no.	20022	-0101
Luna	No	APFT-1.2
Capacity in sheet	mm	1.2
Capacity in aluminium	mm	2.0
Fold - A	mm	12
Fold - B	mm	5
Edge - C (max)	mm	8
Working pressure	bar	6.2
Sound level (CEN/TC 255 N81)	dB (A)	88.3
Vibration (ISO 5349)	m/s ²	0.95
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	litre/stroke	0.5
Air consumption at 40% duty cycle.*	litre/stroke	0.2
Length	mm	260
Weight	kg	1.3

* At 6.2 bar.



No 20776

Air shear

Luna. Lightweight and uncomplicated plate shears in gun model design. Ergonomically designed throttle integrated into the handle, insulated against the cold and vibrations. Variable speed adjustment. 360° swivel hose connection. Exhaust air through the handle. Developed for professional workshop use. Ideal for cutting thin sheet metal and aluminium sheet (not suitable for corrugated sheet). The cutting head revolves 360° which increase the possibility of a more comfortable and efficient working stance.

Art. no.	20776	-0109
Luna	No	AS1.2
Cuts max. steel plate	mm	1.2
Cuts max. aluminium sheet	mm	1.6
Sound level (CEN/TC 255 N81)	dB (A)	82
Vibration (ISO 5349)	mm	1.1
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	383
Air consumption at 40% duty cycle.*	l/min	153
Air consumption at 100% duty cycle.*	l/s	6.4
Air consumption at 40% duty cycle.*	l/s	2.6
Weight	kg	0.95

Accessories:

Extra cutting head	20776	-0505
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* At 6.2 bar.



No 20735

Air nibbler

Luna. Ergonomic rubber handle which is insulated against the cold and vibrations. Backward facing return air. 360° swivel hose connection. Plastic handle for good comfort. Adjustable speed control. Developed for professional workshop work. Adjustable punch - 45°. Designed for sheet metal, aluminium etc. Can also be used on corrugated sheet.

Art. no.	20735	-0109
Luna	No	AN1.6
Nibbler width	mm	4.5
Capacity in sheet metal	mm	1.6
Capacity in aluminium sheet	mm	1.6
Number of strokes	per minute	3500
Sound level (PNEURPO PN8NTC1)	dB (A)	90
Vibration (ISO 8862)	m/s ²	4.3
Rec. hose dimension	inch	3/8
Connection thread	G (R)	1/4
Air consumption at 100% duty cycle.*	l/min	690
Air consumption at 40% duty cycle.*	l/min	276
Air consumption at 100% duty cycle.*	l/s	11.5
Air consumption at 40% duty cycle.*	l/s	4.6
Length	mm	200
Weight	kg	0.95

Accessories:

Die	20735	-0406
Punch	20735	-0505

* At 6.2 bar.



No 20826



Tyre pressure tester

Luna. Air pressure tester. Mainly for car tyres. With gauge for min. tyre pressure 0.5 bar/7.5 PSI up to max. 3 bar/43 PSI. Very accurate and easy to read display. Reset button after measured pressure. Long straight model with metal pipe. Double sided pressure nozzle. Supplied with a hang up ring.

Art. no.	20826	-0109
Measuring range	bar	0.5-3
Measuring range	PSI	7.5-43
Overall length	mm	235

Swivel



20751-0207

Luna. Universal. Swivelling double nipples. Keeps air hose straight and untwisted. Increases manoeuvrability spaces. Plug for connection of pressure gauge. Developed for professional workshop applications.
20751-0207 supplied as standard with pressure gauge.

Art. no.	20751	-0108	-0207
Air inlet/outlet - female/male	inch	1/4	1/4
Air flow	l/min	750	750
Air flow	l/s	12.50	12.50
Max. working pressure	bar	10	10
Art. nr.	20751	-0306	-
Air inlet/outlet - female/male	inch	3/8	-
Air flow	l/min	1350	-
Air flow	l/s	22.5	-
Max. working pressure	bar	10	-
Accessories:			
Pressure gauge	20751	-0504	-0504

Air lubricator



No 20571

Luna. Fitted on 1/4" hose connection threads to lubricate Race machines. All Race pneumatic machines should have mist lubrication to increase life and to prevent rust.

Art. no.	20571	-0106
Connection thread	G (R)	1/4

Air filters

Luna. Removes water to 96% and 5 micron particles from the compressed air to prevent corrosion and downtime on tools and other pneumatic components. Installed before the regulator and mist lubricator. High flow value. Plastic container and metal guard. Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.



No 20450

Manual drainage	20450	-0102	-0201	-0300
Luna	No	AF1/4"	AF3/8"	AF1/2"
Connection thread	G	1/4	3/8	1/2
Rec. air flow	l/min	550	1500	4000
Max. primary pressure	bar	10	10	10
Min. primary pressure with auto draining	bar	1	1	1
Capacity container	cm ³	15	20	45
Automatic draining	20450	-0409	-0508	-0607
Luna	No	AFA1/4"	AFA3/8"	AFA1/2"
Accessories:				
Interconnecting block	20450	-1001	-1100	-1209
Bracket/Angle bracket	20450	-1308	-1407	-1506
Interconnecting block with T-bracket	20450	-1605	-1704	-1803



No 20792

Regulators

Luna. To regulate a constant working pressure when operating pneumatic equipment. Not counterflowing.

Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.
Supplied with pressure gauge.

Art. no.	20792	-0109	-0208	-0307
Luna	No	AR $\frac{1}{4}$ "	AR $\frac{3}{8}$ "	AR $\frac{1}{2}$ "
Rec. air flow	G	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Rek. max. flöde	l/min	550	2500	6000
Max. primary pressure	bar	10	10	10
Working pressure	bar	0.5-8.5	0.5-8.5	0.5-8.5
Capacity container	cm ³	15	20	45
Accessories:				
Interconnecting block	20450	-1001	-1100	-1209
Bracket/Angle bracket	20450	-1308	-1407	-1506
Interconnecting block with T-bracket	20450	-1605	-1704	-1803
Pressure gauge	20792	-1008	-1008	-1107

Filter regulators

Luna. Combined filter and regulator. To obtain a constant working pressure when operating pneumatic equipment and filtering compressed air. Removes water to 96% and particles to 5 micron to prevent corrosion and downtime on tools and other pneumatic components. Plastic container and metal guard. Installed before a mist lubricator if installed. Plastic container and metal guard. Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.

Supplied with pressure gauge.



No 20452

Manual drainage	20452	-0209	-0308	-0407
Luna	No	AFR $\frac{1}{4}$ "	AFR $\frac{3}{8}$ "	AFR $\frac{1}{2}$ "
Connection thread	G	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Rec. max. air flow	l/min	550	2000	4000
Max. primary pressure	bar	10	10	10
Min. primary pressure with auto draining	bar	1	1	1
Working pressure	bar	0.5-8.5	0.5-8.5	0.5-8.5
Capacity container	cm ³	15	20	45
Automatic drainage	20452	-0506	-0605	-0100
Luna	No	AFR $\frac{1}{4}$ "A	AFR $\frac{3}{8}$ "A	AFR $\frac{1}{2}$ "A
Accessories:				
Interconnecting block	20450	-1001	-1100	-1209
Bracket/Angle bracket	20450	-1308	-1407	-1506
Interconnecting block with T-bracket	20450	-1605	-1704	-1803
Pressure gauge	20792	-1008	-1008	-1107

Oil mist lubricators

Luna. For mist lubrication of pneumatic components and compressed air tools during operation. Plastic container and metal guard. Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.



No 20451

Art. no.	20451	-0101	-0200	-0309
Luna	No	AL $\frac{1}{4}$ "	AL $\frac{3}{8}$ "	AL $\frac{1}{2}$ "
Connection thread	G	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Rec. max. air flow	l/min	800	1700	5000
Rec. min. air flow	l/min	15	50	130
Max. primary pressure	bar	10	10	10
Bowl capacity	cm ³	25	50	130
Accessories:				
Interconnecting block	20450	-1001	-1100	-1209
Bracket/Angle bracket	20450	-1308	-1407	-1506
Interconnecting block with T-bracket	20450	-1605	-1704	-1803
Sight glass	20451	-1000	-1208	-1208

F-R-L-units

Luna. Combined filter regulator and mist lubricator. For filtering, regulating and mist lubrication of compressed air for pneumatic equipment under operation. Removes water to 96% and particles down to 5 micron. Available with manual or automatic draining of the air filter. Plastic container and metal guard. Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.

Supplied with pressure gauge.

Manual drainage	20453	-0109	-0208	-0307
Luna	No	AFRL1/4"	AFRL3/8"	AFRL1/2"
Connection thread	G	1/4	3/8	1/2
Rec. max. flow	l/min	15/550	50/2000	130/4000
Max. primary pressure	bar	10	10	10
Min. primary pressure with auto draining ..	bar	1	1	1
Working pressure	bar	0.5-8.5	0.5-8.5	0.5-8.5
Bowl capacity	cm ³	25	50	130
Automatic draining	20453	-0406	-0505	-0604
Luna	No	AFRL1/4"A	AFRL3/8"A	AFRL1/2"A
Accessories:				
Pressure gauge	20792	-1008	-1008	-1107



No 20453

Accessories



No 20450-1001



20450-1308



20450-1605



20450-1902



20792-1008



20451-1000

Accessories for Luna's air treatment

Designation	Fits	Type no	Art. no.
T-spacer holder	AF 1/4", AR 1/4", AFR 1/4", AL 1/4"	Y21-02	20450-1001
T-spacer holder	AF 3/8", AR 3/8", AFR 3/8", AL 3/8"	Y31-02	20450-1100
T-spacer holder	AF 1/2", AR 1/2", AFR 1/2", AL 1/2"	Y41-02	20450-1209
T-clamp	AF 1/4", AR 1/4", AFR 1/4", AL 1/4"	B210T	20450-1308
T-clamp	AF 3/8", AR 3/8", AFR 3/8", AL 3/8"	B310T	20450-1407
T-clamp	AF 1/2", AR 1/2", AFR 1/2", AL 1/2"	B410T	20450-1506
Spacer holder with T-clamp	AF 1/4", AR 1/4", AFR 1/4", AL 1/4"	Y20T	20450-1605
Spacer holder with T-clamp	AF 3/8", AR 3/8", AFR 3/8", AL 3/8"	Y30T	20450-1704
Spacer holder with T-clamp	AF 1/2", AR 1/2", AFR 1/2", AL 1/2"	Y40T	20450-1803
20-Angle holder	AR 1/4", AFR 1/4"	B220	20450-1902
20-Angle holder	AR 3/8", AFR 3/8"	B320	20450-2009
20-Angle holder	AR 1/2", AFR 1/2"	B420	20450-2108
Pressure gauge 40 mm	AR 1/4", AR 3/8", AFR 1/4", AFR 3/8"	1.5"	20792-1008
Pressure gauge 50 mm	AR 1/2", AFR 1/2"	2"	20792-1107
Inspection glass	AL 1/4"	1/4"	20451-1000
Inspection glass	AL 3/8", AL 1/2"	AL 3/8" - AL 1/2"	20451-1208

Hose reels

Luna. Suitable in combination with building compressors. Swivelling 360° drum. Flexible PU hose that remains its shape and don't get twisted even when it is in fully pulled out position. Swivelling 360° air connection which prevent the hose to get twisted. End cover of rigid plastic to prevent wear. Manual reversible feed of the hose. Folding crank. Drum fix screw.

Art. no.	20800	-0109
Luna	No	AHR8x12-30
Hose material		PU
Hose dimension - inside x external	inch	5/16x1/2
Hose dimension - inside x external	mm	8.5x12.5
Hose length	m	30
Max. working pressure	bar	17
Temperature range	°C	-5 - +40
Connection thread	G (R)	1/4
Dimension Height x Width x Depth	mm	355x325x255
Weight	kg	9.7



No 20800

Hose reels



No 20581

Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted hose coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling. The hose lengths are controlled by a catch that comes into effect with each extended ½ meter and which can be disengaged if the function is not required. Hose is made of black double layered polyurethane. A hard-wearing and adaptable hose that does not twist but keeps its straight structure even when fully extended. The hose is only intended for compressed air must not be used for gases or other media, swivels through 300°. Temperature range -5 for +40° C.

Art. no.	20581	-0104
Luna	No	AHR8x12-7
Hose material, 2-layer		Polyurethan
Hose dim. inner/outer	inch	5/16 x 1/2
Hose dim. inner/outer	mm	8 x 12
Hose length	m	7 (6 + 1)
Max. working pressure	MPa (bar)	12
Temperature range	°C	-5 - +40
Connection thread	R	1/4"
Dim. diameter x thickness	mm	270 x 125
Weight	kg	3.0



No 20804

Luna. Suitable for workshops and industrial application. Heavy-duty design of impact resistant plastic. With integrated handle which can be automatically folded up for use. The re-winder swivels 250°. A flexible and resistant PU hose both in warm and cold weather conditions. The hose retains its straight structure and does not twist when fully extended. When extending the hose stops as soon as it is released without need of waiting for a catch. After use the hose automatically rewinds slowly and surely without the risk of damage and distributes itself in the housing by means of a movable hose guide. The hose is only intended for compressed air must not be used for gases or other media. Working temperature -5°C / +40°C.

Art. no.	20804	-0105	-0204
Luna	Nr	AHR8x12-14	AHR10x14-16
Hose material		PU	PU
Hose dimensions inner/outer	inch	5/16 x 1/2	3/8 x 1/2
Hose dimensions inner/outer	mm	8x12	10x14.5
Hose length	m	14 (12.5 + 1.5)	16 (15 + 1.0)
Housing material		Plastic	Plastic
Max. working pressure	bar	12	12
Connection hose	m	2	2
Connection thread	R	1/4	3/8
Dimensions diameter x width	mm	310 x 130	380 x 180
Weight	kg	4.0	6.4



No 20839

Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted cord coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling. The hose lengths are controlled by a catch that comes into effect with each extended ½ meter and which can be disengaged if the function is not required. Hose is made of black double layered polyurethane. A hard-wearing and adaptable hose that does not twist but keeps its straight structure even when fully extended. The hose is only intended for compressed air and cold water must not be used for gases or other media, swivels through 300°. Temperature range -5 for +40° C.

Art. no.	20839	-0104
Luna	No	AHR10x16-13
Hose material, 2-layer		Polyurethane
Hose dim. internal	inch	3/8
Hose dim. internal	mm	10
Hose length	m	13 (12 + 1)
Max. working pressure	MPa (bar)	12
Temperature range	°C	-5 - +40
Connection thread	R	3/8
Weight	kg	7,0

Electric cable reels

Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted cord coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling. The cord lengths are controlled by a catch that comes into effect with each extended 1/2 meter and which can be disengaged if the function is not required. The cable is cold-resistant and maintains its flexibility even in cold weather down to -15° C. Protection class IP 42. Pivots 300°. Equipped with thermal overload protection that automatically cuts the power when overloaded.

Art. no.	20580	-0105
Luna	No	ECR3x1,5-15
Protection class		IP 42
Cable dim. (no. of core x area)	mm ²	3x1.5
Cable length	m	15 (13 + 2)
Amperage	A	10
Outside dimensions	mm	340x160x250
Max. load wound	W	1200
Max. load fully extended	W	1800
Dim. diameter x thickness	mm	270 x 125
Weight	kg	3.0



No 20580

Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted cord coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling.

The cord lengths are controlled by a catch that comes into effect with each extended 1/2 meter and which can be disengaged if the function is not required. The cable is cold-resistant and maintains its flexibility even in cold weather down to -5° C. Protection class IP 42. Pivots 300°.

Equipped with thermal overload protection that automatically cuts the power when overloaded. Cable quality H05 VV-F.

Art. no.	20840	-0101	-0200
Luna	No	ER3x2.5-22	ER5x2.5-17
Protection class		IP 42	IP 42
Cable dimension (no of conductors x area)	mm ²	3 x 2.5	5 x 2.5
Cable length	m	22 (20+2)	17 (15+2)
Max. voltage	V	230 1-phase	400 3-phase
Amperage	A	16	16
Max. load (wound)	W	2000	2000
Max. load fully extended	W	3000	3000
Dim. diameter x thickness	mm	435x205	435x205
Weight	kg	11,0	11,3



No 20840

Compressor system Luna DUO



No 20240

Luna. DUO- Portable reciprocating compressors with air tank and belt-driven motors. Patented technology that recovers the return air. The technique reduces energy consumption by approx 30%, lowers heavy noise levels, vibrations and improves the working environment for the user. The machine has a twin coupling for connection of the outgoing air hose and for the return air hose. The return air is returned to the compressor and is reused. The enclosed system means no oil mist is discharged and that dust particles are not blown around the working area. For fully automatic operation, which means automatic start and stop. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for industrial use and small garage workshops where the need of air is great. Equipped with miniature circuit breaker that trips with an overload. Reset automatically. Supplied complete with gradual start motor - enclosure class IP54., connection cable, push-bar switch, safety valve, pressure gauge, control valve and quick connect couplings.

Art. no.	20240	-0107
Luna	No	3HP/740
Compressor block.....		K12
		1-stage
Motor voltage.....	V	230 1-phase
Fuse (inert).....	A	16
Throughput cylinder volume	l/min	740
Throughput cylinder volume	l/sec	12.3
Free air displacement*	l/min	600
Free air displacement*	l/sec	10.0
Max. working pressure.....	bar	10
Air container volume.....	l	50
Sound level	dB (A)	75
Motor output.....	kW (hp)	2.2 (3)
Compressor block speed.....	rpm	1600
Dimensions LxWxH	mm	800x380x700
Weight.....	kg	56

* At 6 bar.



No 20243-0203



No 20243-0609

Luna. DUO-

Art. no. ...	20243	-0104	-0203	-0302	-0401
Luna	No	AIWC $\frac{3}{8}$ "TH/LD	AIW $\frac{3}{8}$ "PC/LD	AIW $\frac{3}{8}$ "TH/LD	AIWC $\frac{1}{2}$ "THM/LD
Art. no. ...	20243	-0500	-0609	-0708	-0807
Luna	No	AIWC $\frac{1}{2}$ "TH/LD	AIW $\frac{1}{2}$ "PC/LD	AIW $\frac{1}{2}$ "TH/LD	AIWC $\frac{1}{2}$ "TH-S/LD
Art. no. ...	20243	-0906	-1003	-1102	-1201
Luna	No	AIW $\frac{1}{2}$ "TH-S/LD	AIWC $\frac{3}{4}$ "TH/LD	AIWC $\frac{3}{4}$ "TH/LD	AIW11"TH/LD
Art. no. ...	20243	-1300	-1409		
Luna	No	AIW $\frac{3}{4}$ "TH-6/LD	AIW11"TH-6/LD		



No 20244-0103

Luna. DUO-

Art. no.	20244	-0103	-0202	-0301
Luna	No	ARS $\frac{1}{4}$ "LD	ASR $\frac{3}{8}$ "//LD	AR $\frac{3}{8}$ "LD
Art. no.	20244	-0400	-0509	-0608
Luna	No	AR $\frac{1}{2}$ "LD	AR $\frac{3}{8}$ "-S/LD	AR $\frac{1}{2}$ "-S/LD

Compressor system Luna DUO

Compressed air

Luna. DUO-

Art. no.	20245	-0102	-0201	-0300
Luna.....	No	AD6.5KC/LD	AD10KC/LD	AD10QC/LD
Art. no.	20245	-0409	-0508	-0607
Luna.....	No	AD13KC/LD	AD13QC/LD	AD10KC-S/LD
Art. no.	20245	-0706	-0805	
Luna.....	No	AD10QC-S/LD	ADS10KC/LD	



No 20245-0508



No 20246-0200



No 20246-0507



No 20246-0705

Luna. DUO-

Art. no.	20246	-0101	-0200	-0309	-0408
Luna.....	No	AD25/LD	AD22/LD	ADE25/LD	AS25-S/LD
Art. no.	20246	-0507	-0606	-0705	-0804
Luna.....	No	AD22-115/LD	AD22-90/LD	AAG115MM/LD	AAG125MM/LD
Art. no.	20246	-0903	-1000	-1109	
Luna.....	No	AB6/10MM/LD	AB20MM/LD	AEX12/LD	



No 20247-0308



No 20247-0407

Luna. DUO-

Art. no.	20247	-0100	-0209	-0308
Designation.....	No	Plate saw-Micro ASM2.0/LD	Plate saw ASL3.0/LD	Cut-off machine ACO80MM/LD
Art. no.	20247	-0407	-0506	-0605
Designation.....	No	Plate shearing machine AS1.2/LD	Chisel hammer ACH10.2/LD	Chisel hammer set ACH10.2-S/LD



Compressor system Luna DUO



10 320 1804



10 320 5824



10 320 5260



10 320 5261

Luna. DUO- Coupling based on Cejn's well-known 320-coupling, a product with a world class flow and minimal pressure drop. By integrating two couplings in one block with a combined locking sleeve, the new twin coupling can be manoeuvred in a single action. The couplings are mounted at different heights, which together with the colour coded nipples eliminates the risk of wrong connections.

The couplings in series 320 have a flow of 2100 l/min, a minimal pressure drop and functions for improved compressed air economy. The aerodynamically designed valve with extra large valve ports, its smooth inside with linear flow angles, placement of the valve springs outside of the flow path and the minimal pressure area are all design characteristics that make the Cejn coupling as economic as possible. The high flow means it is suitable for most industrial applications and tool requirements.

Technical dataNominal flow side: 7.6 mm ($\frac{5}{16}$ "

Flow capacity: 2,100 l/min. (74.2 CFM)

Max. working pressure: 16 bar (232 PSI)

Mon. bursting pressure: 140 bar (2030 PSI)

Temperature range: -20°C to +60°C (-4°F to +140°F)

Material coupling: Zinc-plated brass/steel/zinc/plastic

Material nipple: Hardened zinc-plated steel

Connection force: 125N

Twin coupling with hose connection				
Cejn No	Art. no.	Connection	Connection	Packing
10 320 1803	20241-0106	6.3 mm ($\frac{1}{4}$ "	8 mm ($\frac{5}{16}$ "	5
10 320 1804	20241-0205	8 mm ($\frac{5}{16}$ "	10 mm ($\frac{3}{8}$ "	5
10 320 1805	20241-0304	10 mm ($\frac{3}{8}$ "	13 mm ($\frac{1}{2}$ "	5
Twin nipple with recoil damping				
10 320 5823	20241-0403	6.3 mm ($\frac{1}{4}$ "	8 mm ($\frac{5}{16}$ "	
10 320 5824	20241-0502	8 mm ($\frac{5}{16}$ "	10 mm ($\frac{3}{8}$ "	
10 320 5825	20241-0601	10 mm ($\frac{3}{8}$ "	13 mm ($\frac{1}{2}$ "	
Nipple				
		Connection	Notes	
10 320 5260	20241-0700	$\frac{1}{4}$ " male	Short nipple with green marking	
10 320 5261	20241-0809	$\frac{1}{4}$ " male	Long nipple with blue marking	
Nipple adapter for blowguns and non EARS compatible tools				
10 320 5842	20241-0908	$\frac{1}{4}$ " female	Low pressure nipple plugged	
Straight reinforced twin hose, PUR, working pressure 12 bar				
		Dimensions high pressure	Dimensions low pressure	
19 958 2026	20241-1005	8x12 mm, blue	11x16 mm, green	
19 958 2068	20241-1104	11x16 mm, blue	13x18 mm, green	
Non reinforced twin spiral hose, PUR, working pressure 10 bar				
		Dimensions high pressure	Dimensions low pressure	Length
19 958 4422	20241-1203	6.5x10 mm, blue	8x12 mm, green	2 metres
19 958 4442	20241-1302	6.5x10 mm, blue	8x12 mm, green	4 metres
19 958 4462	20241-1401	6.5x10 mm, blue	8x12 mm, green	6 metres
19 958 4426	20241-1500	8x12 mm, blue	11x16 mm, green	2 metres
19 958 4446	20241-1609	8x12 mm, blue	11x16 mm, green	4 metres
19 958 4466	20241-1708	8x12 mm, blue	11x16 mm, green	6 metres

Bench grinders



Illustration shows MB 150



Illustration shows MB200



Illustration shows MB 200B



Tapered spindle



Protective glass



Support

Luna. For grinding work within craft applications and light industry. Spindle mounted in ball bearings. Closed protective hoods and folding protective glass. Motor and other electrical equipment - protection class IP 54. Supplied complete with grinding wheel/abrasive belts and adjustable mounted points and 1.5 metre connection cable.

Art. no.	20727	-0109	-0208	-0307
Luna	No	MB 150	MB 200	MB 200B
Supplied with grinding disc	mm	150x20x32	200x25x32	200x25x32
Spindle speed	rpm	3000	3000	3000
Distance between grinding wheels	mm	282	315	-
Height to centre of spindle	mm	140	140	-
Abrasive belt dimension	mm	-	-	50x800
Motor voltage	V	230 1-phase 50 Hz	230 1-phase 50 Hz	230 1-phase 50 Hz
Motor output	kW	0.5	0.75	0.75
Rated current	A	1.7	1.3	1.3
Weight	kg	15	19	21
Accessories				
Support for grinding machines	20727	(-1008)	(-1008)	(-1008)
Tapered spindle right side	20727	-1107	-1107	-1107
Tapered spindle left side	20727	-1206	-1206	-1206
Polishing disc 150x20x6	20727	-1305	-1305	-1305
Polishing disc 200x20x6	20727	-1404	-1404	-1404
Polishing screen (R + L)	20727	-1502	-1502	-1502
Polishing screen with extraction sleeve R	20727	-1602	-1602	-1602
Polishing screen with extraction sleeve L	20727	-1701	-1701	-1701
Protective glass	20727	-1800	-1800	-1800
Stålborste 150x20x32	20727	-1909	-	-
Stålborste 200x32x32	20727	-	-2006	-2006

Grinding machines

Bench grinders



20181-0306



20181-0405

Luna. Bench grinders for industrial and maintenance grinding work. Spindle mounted in ball bearings. Closed protective hoods and folding protective glass. Motor and other electrical equipment – protection class IP 44. Supplied complete with grinding wheels and adjustable grinding support and 1.5 metre mains cable. MSG 200 BH has a belt grinding unit on the right-hand side.

Art. no.	20181	-0108	-0207
Luna	No	MSG 150 H	MSG 200 H
Supplied with grinding disc	mm	150x25x32	200x32x32
Del. with belt	mm	-	-
Spindle speed	r/mm	2950	2950
Distance between grinding wheels	mm	330	370
Height to centre of spindle	mm	125	140
Hole pattern width x depth	mm	200x130	250x160
Motor voltage	V	230 1-phase 50 Hz	230 1-phase 50 Hz
Motor output	W	520	900
Rated current	A	2	4
Weight	kg	16	28
Ditto for Norway	20181	-	-
Motor voltage	V	-	-
Rated current	A	-	-
Ditto for UK	20181	-6006	-6105
Motor voltage	V	230 1-phase 50 Hz	230 1-phase 50 Hz
Support	20181	-0504	-0504
Height	mm	800	800
Weight	kg	14	14
Art. no.	20181	-0306	-0405
Luna	No	MSG 200 BH	MSG 250 H
Supplied with grinding disc	mm	200x32x32	250x32x32
Del. with belt	mm	100x914	-
Spindle speed	r/mm	2950	2950
Distance between grinding wheels	mm	385	385
Height to centre of spindle	mm	150	150
Hole pattern width x depth	mm	250x160	250x160
Motor voltage	V	230 1-phase 50 Hz	400 3-phase 50 Hz
Motor output	W	900	900
Rated current	A	4	1.3
Weight	kg	32	32
Ditto for Norway	20181	-	-5008
Motor voltage	V	-	230 3-phase 50 Hz
Rated current	A	-	2.26
Ditto for UK	20181	-6204	-
Motor voltage	V	230 1-phase 50 Hz	-
Support	20181	-0504	-0504
Height	mm	800	800
Weight	kg	14	14

Belt sanders



Nr 20533

Luna. Powerful belt grinders for coarse and fine grinding of metal. The sealed construction can be supplemented with efficient extraction. Rests on a metal base and can be angled as required. Self-adjusting belt tightener. Supplied complete with 1 speed motor – protection class IP 54, motor casing with zero voltage release, angle stop and eye protection. Fan motor single speed motor – protection class IP 54.

Art. no.	20533	-0202	-0301
Luna	No	MBG75	MBG150
Design		Manual	Manual
Abrasive belt dimension	mm	75×2000	150×2000
Size of grinding table	mm	75×530	150×530
Dimensions of the contact disc	mm	75×200	150×200
Grinding belt speed	m/sec	34	34
Sound level	dB (A)	88	88
Motor voltage	V	230/400 3-phase	230/400 3-phase
Motor output	kW	3.0	3.0
Rated current	A	6.7	6.7
Dimensions L×W×H	mm	1000×500×1010	1000×560×1010
Weight	kg	85	105
Ditto for Norway	20533	-5102	-5201
Luna	No	MBG75	MBG150
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz
Rated current	A	11.9	11.9
Accessories			
Extraction	20533	-0509	-0509
Motor voltage	V	230/400 3-phase	230/400 3-phase
Motor output	kW	50 Hz	50 Hz
Rated current	A	0.55	0.55
Weight	kg	1.2	1.2
Graphite pad	20533	-0608	-0707
Dimensions	mm	75×570	150×570
Dust bag	20533	-0806	-0806
Contact disc	6920	-0350	-0608



Illustration shows MD20FV

Bench and column drilling machines

Luna. Drilling machine. Variable speed with display for reading the speed. Suitable for handicrafts and small workshops. Supplied with quick chuck, chuck guard and safety switch.

Art. no	20652	-0108	-0207
Luna	No	MD20BV	MD20FV
Model		Bench	Upright
Design		Manual	Manual
Drill capacity in steel	mm	20	20
Spindle taper	MT	3	3
Spindle movement	mm	85	85
Spindle speed (variable)	rpm	190-1900	190-1900
Column diameter	mm	80	80
Distance spindle centre - column	mm	190	190
Max. distance spindle nose - table	mm	450	680
Min. distance spindle nose - table	mm	80	80
Table size	mm	350x250	350x250
T-slot width	mm	12	12
Max distance spindle nose-foot plate	mm	630	1220
Machined base	mm	550x350	550x350
T-slot c/c	mm	15	15
Motor voltage	V	230 1-phase 50 Hz	230 1-phase 50 Hz
Motor output	kW	2.25	2.25
Height	mm	1060	1650
Rated current	A	17	17
Weight	kg	96	105
Dito for UK	20652	-6006	-6105
Motor voltage	V	230 1-phase 50 Hz	230 1-phase 50 Hz



Illustration shows MD30F

Luna. Bench and vertical drilling machines designed with a powerful steel column. Drill head and drill arm can be swivelled through 360°, raised and lowered via a rack and pinion. Gear operation and gearbox with helical gears of steel and fibre material for a silent machine requiring a minimum of maintenance. Quick and easy selection between the 8 steps in the gearbox. Supplied complete with quick drill chuck 3-16 mm including table chuck unit, digital depth gauge, morse tapers MT3-MT2 and MT3-MT1 as well as motor cut-out with zero voltage tripping and emergency stop - IP 41. Rectangular table with T-slots, oil channel and drill protection.

Standard machine	20714	-0104	-0203	-0302
Luna	No	MD30B	MD30F	MD40F
Model		Bench	Upright	Pelare
Design		Manual	Manual	Mek. matning
Drill capacity in steel	mm	25	25	35
Tapping capacity (max. 4 times/min)	M	16	16	18
Spindle taper	MT	3	3	4
Spindle movement	mm	130	130	150
Spindle speed	st	8	8	8
Spindle speed	rpm	105-2900	105-2900	105-2900
Column diameter	mm	100	100	127
Distance spindle centre - column	mm	255	255	320
Max. / min. distance spindle nose - bench	mm	-	915/0	820/140
Spindle nose-foot plate	mm	584/80	584/80	1150/980
Table size	mm	-	500x350	500x350
Table pin Ø	mm	-	60	60
T-slot width	mm	14	14	14
T-slot c/c	mm	140	140	180
Sound level	dB (A)	76	76	76
Motor voltage	V	400 3-phase 50 Hz	400 3-phase 50 Hz	400 3-fas 50 Hz
Working plan, machined base	mm	14	-	-
Motor output	kW	0.65/0.9	0.65/0.9	0.65/0.9
Rated current	A	1,8/2,3	1,8/2,3	1,8/2,3
Weight	kg	130	170	300
Dito for Norway	20714	-5004	-5103	-5202
Motor voltage	V	-	230 3-phase 50 Hz	-
Rated current	A	-	3,3/4,2	6.7/7.8

Drilling and milling machines

Luna. Belt-driven combined drill and milling machine. Suitable for tool and model work when drilling and milling can be carried out in the same mounting. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Binding tools is done via a carriage beam. The machine has variable adjustment of the spindle speed. Supplied with motor, motor cut-out and zero voltage tripping.

Art. no.	20865	-0101
Luna	No	MDM 250
Model		Bench
Design		Manual
Drill capacity in steel	mm	25
Milling capacity, flat face milling	mm	50
Milling capacity, end milling	mm	25
Thread capacity	M	12
Spindle taper	MT	3
Spindle movement	mm	70
Spindle speed	rpm	100-1750
Column diameter	mm	60
Max. distance spindle nose – bench	mm	350
Coordinate table	mm	550x160
Lengthwise movement	mm	300
Cross movement	mm	160
Motor voltage	V	230 1-phase 50 Hz
Rated current	A	-
Motor output	kW	1.0
Weight	kg	165
Stand	20865	-0507



Nr 20865

Luna. Belt-driven combined drill and milling machine. Suitable for tool and model work when drilling and milling can be carried out in the same mounting. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Binding tools is done via a carriage beam. Supplied with a 1-speed motor and with motor protector with zero voltage release.

Art. no.	20511	-0109
Luna	Nr	MDM 320
Manual		Bench
Design		Manual
Drill capacity in steel	mm	32
Milling capacity, flat face milling	mm	76
Milling capacity, end milling	mm	20
Thread capacity	M	19
Spindle taper	MT	3
Spindle movement	mm	130
Spindle speeds	st	12
Spindle speed	r/min	100-2080
Column diameter	mm	115
Distance spindle centre - column	mm	480
Coordinate table	mm	730x210
Lengthwise movement	mm	500
Cross movement	mm	175
Motor voltage	V	400 3-phase 50 Hz
Motor output	kW	1,1/1,5
Weight	kg	270
Ditto for Norway	20511	-5009
Motor voltage	V	230 3-fas 50 Hz
Accessories:		
Stand	20511	-0406



Nr 20511

Drilling and milling machines



Nr 20457

Luna. Combined drill and milling machine with gearbox. Suitable for tool and model work when drilling and milling can be carried out in the same mounting. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Binding tools is done via a carriage beam.

20457-0204 has spindle taper ISO 30.

The drill head can be rotated 0-45° in both directions.

Supplied with a 1-speed motor and with motor protector with zero voltage release.

Sony digital measurement equipment on request.

Art. no.	20457	-0105	-0204
Luna	No	MDM -400	MDM -401
Model		Bench	Bench
Design		Manual	Manual
Drill capacity in steel	mm	40	40
Milling capacity, flat face milling	mm	76	76
Thread capacity	M	19	19
Spindle taper		MK 3	ISO 30
Spindle movement	mm	130	130
Spindle speed	ea	6	6
Spindle speed	rpm	50-1250	50-1250
Column diameter	mm	75	75
Distance spindle centre - column	mm	255	255
Max. distance spindle nose – bench	mm	470	470
Min. distance spindle nose - bench	mm	110	110
Coordinate table	mm	730x210	730x210
Lengthwise movement	mm	500	500
Cross movement	mm	270	270
T-slot width	mm	14	14
T-slot c/c	mm	56	56
Motor voltage	V	400 3-phase 50 Hz	400 3-phase 50 Hz
Motor output	kW	1,5	1,5
Rated current	A	-	-
Weight	kg	290	290
Ditto for Norway	20457	-5005	-5104
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz
Accessories:			
Stand	20457	-2002	-2002

Milling and drilling machine

With motorised longitudinal feed



Nr 20885

Luna. Combined milling and drilling machine. Suitable for repair, maintenance and training purposes when drilling and milling can be carried out in the same clamped position. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Tools are locked via a drawbar with M 12 thread. The drill head folds 90° in both directions. Dovetail guides provide excellent stability for head and table. Supplied complete with motorised longitudinal feed, cast iron stand, central lubrication, 2-speed motor, automatic circuit breaker with zero voltage release, complete cooling equipment and automatic reversing with level indicator.

Art. no.	20885	-0107
Luna	No	MMD 500
Design		Bed plate
Drill capacity in steel	mm	32
Milling capacity, flat face milling	mm	102
Milling capacity, end milling	mm	32
Tapping capacity (max. 4 times/min)	M	16
Spindle taper	ISO	30
Spindle movement	mm	120
Spindle speeds	ea	12
Spindle speed	rpm	50-2500
Column diameter	mm	250
Distance spindle centre - column	mm	295
Max. distance spindle nose - table	mm	460
Min. distance spindle nose - table	mm	110
Coordinate table	mm	820x240
Lengthwise movement	mm	450
Cross movement	mm	350
Height movement, head	mm	350
T-slot width	mm	15
T-slot c/c	mm	64
Motor voltage	V	400 3-phase 50 Hz
Motor output	kW	1,5
Rated current	A	3,8/3,6
Weight	kg	650
Weight incl. packaging	kg	690
Size of packaging	mm	1040x980x1880
Ditto for Norway	20885	-5007
Motor voltage	V	230 3-phase 50 Hz

Milling machine

Tool milling machine



Luna. Universal milling machines with sturdy cast column. Over arm with milling head is pivotable 90° in both directions and 45° forward-backward. Variator with reinforced oil bronze mounted pulley that runs on a chrome-plated axle. The rotation direction of the main motor can be changed. Heavy-duty lubrication around down feed systems, spindle housing and low gear. Disconnecting feed handle.

The machines are equipped with dovetail guides which provide good stability for slides and bench.

Supplied with hinged overhead panel with low voltage system, electronic longitudinal and horizontal feed with stepless feed and fixed rapid feed, central lubrication, cooling equipment, cutting pan, electronic equipment in accordance with CE norms and micrometer stop for adjustment of working depth.

Limit digital measurement equipment assembly price on request.

Art. no.	20892	-0108	-0207
Luna	No	MM 3000	MM 3001
Design		Universal	Universal
Spindle taper	ISO	30	40
Spindle movement	mm	127	127
Spindle speed	2	Variable	Variable
Spindle speed	rpm	Low 60-500	Low 70-500
Spindle speed	rpm	High 500-4200	High 500-3600
Spindle feed	ea	3	3
Spindle feed	mm/r	0.038-0.076-0.203	0.038-0.076-0.203
Distance spindle centre - column	mm	140-528	140-528
Distance spindle nose-bench	mm	64-498	40-498
Table size	mm	254x1270	254x1270
T-slot	ea	3	3
T-slot width	mm	16	16
T-slot c/c	mm	57	-
Lengthwise movement	mm	790	890
Cross movement	mm	406	406
Vertical movement	mm	406	406
Motor voltage	V	230/400 3-phase 50 Hz	230/400 3-phase 50 Hz
Main motor	kW	2.25	3.75
Max. work weight on the bench	kg	300	350
Weight	kg	1200	1600
Ditto for Norway	20892	-5008	-5107
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz
Cross feed	20892	-0306	-0306
Height feed	20892	-0405	-0405
Pneum. tool lock	20892	-0504	-0504

Cutting machines For iron and steel



Illustration shows MCC 315 with support

Luna. Compact and versatile cross-cutting saw. The cutting head can be quickly set for mitring up to 45° left, right. Electrical coolant pump where MCC 250 has its coolant tank in the machine base. MCC 315 has a separate coolant tank. Worm gear runs in oil bath. The blade protection is linked to the cutting head. Clamping of the material on both sides of the blade, and quick locking of the vice.

Supplied with 2-speed motor - enclosure class IP 44, electric coolant pump with separate starter knob, length stop, material support. Supplied without circular saw blade.

Art. no.	20651	-0109	-0208
Luna	No	MCC 250	MCC 315
Design		Manual	Manual
Cross-cutting saw diam. max	mm	250	315
Cuts round max 90° (45°) solid material	mm	30 (30)	50 (50)
Cuts round max 90° (45°) profile material	mm	75 (65)	100 (90)
Cuts square max 90° (45°) profile material	mm	65 (58)	90 (80)
Cuts rectangular max 90° (45°) profile material	mm	90x50 (70x50)	115x70 (85x70)
Mitre		45°-0°-45°	45°-0°-45°
Man. vice opening	mm	100	120
Speed	rpm	45/90	44/88
Cutting speed	m/min	35.3/70.6	43.5/87
Supply voltage	V	24	24
Motor voltage	V	400 3-phase 50 Hz	400 3-phase 50 Hz
Motor output	kW	0.75/0.9	1.3/1.9
Rated current	A	1.6/2.2	3.5/4.2
Coolant pump	V	400 1-phase 50 Hz	400 3-phase 50/60 Hz
Motor output	kW	0.07	0.095
Rated current	A	0.2	0.2/0.16
Coolant container	litre	2	5
Support		Excl.	Incl.
Weight incl. stand	kg	130	175
Size incl. support	mm	960x935x1573	1020x990x1830
Ditto for Norway	20651	-5009	-5108
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz
Accessories:			
Stand	20651	-0406	-

Cross cutting machines



No 20653

Cold saw

Luna. Hydraulic cold saw. The collet runs vertically supported by two ground side plates. The actuator is placed on the side, a stop button is operated automatically for completed cutting. Rapid lifting of the collet to the desired position. Coolant pump starts automatically. The cutting pressure is hydraulically stepless adjustable. Mitre for 45° of the vice. Enclosure protection class IP 54.

Supplied with one machine saw blade.

Other sizes and motor voltages quoted on request

Art. no.	20653	-0107
Luna	No	MH 280
Design		Semi-manual
Saw blade diameter	mm	450x32x1.6x Ø8.3
Cross cutter round max.	mm	280
Cuts square max.	mm	250x250
Cross cutter rectangular max.	mm	280x250
Mitring max 45°	mm	130
Vice		Manual
Number of strokes	per min	80-100-120
Motor voltage	V	400 3-phase 50 Hz
Motor output	kW	1.5
Coolant pump	kW	0.12
Weight	kg	520
Size	mm	1470x850x1100



Illustration shows MBH 150

Cold rolled band saws

Luna. Semi-manual bandsaws. Supplied with length stop. Semi-manual machines work as follows. You lift up the saw clamp by hand, following which the automatic down-feed speed is adjusted using a control valve. The saw clamp can be quickly adjusted for mitres and is locked mechanically. Manual vice with quick setting. The saw blade is guided up via hard metal plates and ball bearings.

Supplied complete with motor – protection class IP 54, electric coolant pump, band saw blade and instruction book.

Art. no.	20097	-0101	-0200	-0309
Luna	No	MBH 150	MBH 170	MBH 225
Design		Manual	Semi-man.	Semi-man.
Belt dimension	mm	1735 x 13 x 0.9	2080 x 20 x 0.9	2490 x 27 x 0.9
Cross cutter round max.	mm	150	170	200
Cross cutter square max.	mm	150 x 125	140 x 210	200
Mitre		0°-45°-60°	0°-45°	0°-45°-60°
Vice		Manual	Manual	Manual
Band speed	m/min	65	40/80	40/80
Supply voltage	V	24	-	-
Motor voltage	V	230 1-phase	400 3-phase	400 3-phase
		50 Hz	50 Hz	50 Hz
Motor output	kW	0,37	0,75	1,1
Rated current	A	1,6	1,4	2,0
Coolant pump	W	0,05	0,05	0,05
Support		Incl.	Incl.	Incl.
Weight	kg	78	157	200
Ditto for Norway	20097	-	-5001	-5100
Motor voltage	V	-	230 3-phase	230 3-phase
			50 Hz	50 Hz
Rated current	A	-	2,5	2,7
Ditto for UK	20097	-6009	-	-
Motor voltage	V	230 1-phase	-	-
		50 Hz		

Cold rolled band saws



Illustration shows MBS 40V

Luna. Vertical cold-rolling strip saws, suitable for industry, handicrafts, schools, etc. Stand in welded rigid design. Rubber-covered bandsaw wheel with maintenance-free ball bearings. The upper wheel can be raised and lowered to adjust the blade tension. The lower wheel is equipped with a stripper brush. The blade guide, above and below the desk is equipped with hard metal guides and can be raised and lowered. Cast iron saw table, adjustable in mitre 15° (4 directions) and equipped with grooves for mitre line.

Supplied complete with blade weld equipment, grinding disc for deburring blade after welding, cutter for cutting sheets, built-in brush for cleaning blade and wheel, work lighting manual, tool, blade protection, micro switch for doors, drive gear and blade wheel, protection over welding equipment, protection for grinding disc.

The machine can be supplied in other sizes and with automatic hydraulic feed on the work bench and with other speed alternatives. Available on request.

Art. no.	20144	-0104	(-0203)	(-0302)
Luna	No	MBS 36V	MBS 40V	MBS 60V
Design		Manual	Manual	Manual
Belt dimension length	mm	2870	3285	3950
Belt dimension width, max.	mm	16	16	16
Max. distance belt - stand	mm	355	410	600
Max. working height	mm	230	300	300
Table size	mm	500x400	600x500	600x500 220x500
Incline of bench (4 directions) ..		15°	15°	15°
Cutting speed (stepless) Stage I ..	m/min	-	15-55	15-55
Cutting speed (stepless) Stage II ..	m/min	20-90	96-390	96-390
Motor voltage	V	230/400 3-phase 50 Hz	230/400 3-phase 50 Hz	230/400 3-phase 50 Hz
Motor output	kW	0.75	1.5	1.5
Welding equipment	KVA	2.4	2.4	2.4
Weight	kg	250	440	700
Ditto for Norway	20144	-5004	(-5103)	(-5202)
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz	230 3-phase 50 Hz
Angle stop	20144	-0401	-0401	-0401
Parallel stops	20144	-0500	-0500	-0500

Metal lathes

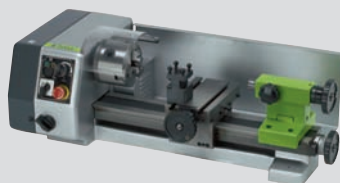


Illustration shows ML 510



Illustration shows ML 714



Illustration shows MLF 1022

Luna. ML 510. Small support lathe suitable for modellers, toolmakers, service and repair work. For machining metal, plastic etc. Torsionally reinforced bed with dovetail joint that gives exact control of the support and tailstock. Variator for variable speed control. Cross-slide has T-slot for mounting various tools. Supplied complete with 1-speed motor, enclosure protection class IP 44, microswitch on the chuck guard. Automatic length feed, rear splash guard, double tool holders for 13 mm tools, lathe chuck, fixed centre MT1 and MT2 with 2x3 jaws \varnothing 80 mm, and intermediate flange.

ML 714. A support lathe suitable for modellers, toolmakers, precision instrument makers, service and repair work. For machining metal, plastic etc. Torsion resistant reinforced bed with v-prism, allowing exact control of the support and tailstock. The main spindle is mounted in strong precision ball bearings. Variator for variable speed control. Supplied complete with 1-speed motor, enclosure protection class IP 54, lathe chuck with 2x3 jaws \varnothing 80 mm and intermediate flange, fixed centres, 4-way tool holder for 15 mm tools. Digital speed, cross-slide and upper-slide display.

MLF 1022. A robust machine tool suitable for tool makers, fine mechanical workshops, schools, garages, hobby, service and repair work. Perfect for complicated parts, one-off or serial production of small components. Torsion resistant reinforced bed with v-prism, allowing exact control of the support and tailstock. The main spindle is mounted in strong precision roller bearings. Power drive belt operation provides safe transmission from motor to main spindle. Speed changed via V-belt. Cross-slide has double T-slot for mounting various accessories.

Supplied complete with 1-speed motor, lathe chuck with 2x3 jaws \varnothing 125 mm, upper-slide that swivels 360°, fixed centres, 4-way tool holder for 20 mm tools, variable speed gear and chuck guard. The machine is also equipped with a milling head.

Art. no.	20650	-0100	-0209	-0308
Luna	No	ML 510	ML 714	MLF 1022.
Design		Bench	Bench	Bench
Centre distance.....	mm	250	350	550
Centre height.....	mm	70	90	125
Lathe diam. over bed	mm	140	180	250
Spindle passage	mm	9	20	20
Headstock taper	MT	2	3	3
Tailstock taper	MT	1	2	2
Spindle speed	ea	Variable	Variable	6
Spindle speed	rpm	100-2000	100-3000	125-210-420-620-1000-2000
Sliding feed	ea	2	2	2
Sliding feed	mm/r	0.05-0.10	0.10-0.20	0.10-0.20
Cross-slide movement	mm	60	65	100
Compound rest movement	mm	-	55	50
Screw pitch	ea	5	10	12
Screw pitch	mm	0.5-0.7-0.8-1.0-1.25	0.4-2.0	0.4-0.5-0.6-0.7-0.8-1.0-1.25-1.5-1.75-2-2.5-3
Screw pitch	ea	5	8	8
Screw pitch	times/inch	16-18-19-20-24	12-52	10-11-14-19-20-22-40-44
Sound level	dB (A)	70	-	72,3
Motor voltage.....	V	230 1-phase 50 Hz	230 1-phase 50 Hz	230 1-phase 50 Hz
Motor output.....	kW	0.15	0.35	0.55
Rated current.....	A	-	-	-
Weight	kg	22	44	145
Milling unit				
Drill capacity	mm	-	-	13
Shank-end mill capacity.....	mm	-	-	16
Face-milling cutter capacity.....	mm	-	-	30
Spindle taper	MT	-	-	3
Spindle speed low.....	rpm	-	-	0-1100
Spindle speed high	rpm	-	-	0-2500
T-slot.....	mm	-	-	12
Spindle angle.....	\varnothing	-	-	-25 - +45
Ditta for LK.	20650	-6008	-6107	-6206
Accessories				
Support	20650	-1199	-1199	-1181
Jaw chuck	20650	-1157	-1140	-1132
Faceplate	20650	-1058	-1041	-1033
Fixed steady	20650	-1124	-6206	-1108
Travelling steady	20650	-1090	-1082	-1074
Cross-slide	20650	-1025	-6206	-6206
Quick release drive set	20650	(-0902)	-1009	-2361
Lathe tool set 11 pieces	20650	-1173	-1173	-1165
Dog	20650	-1017	-1017	-6206

Metal lathes

Luna. A flexible, modern and easy to work centre lathe, suitable for repair, maintenance and training purposes. The machine is designed as standard with a hardened and ground bed with opening, floor stand, spindle brake with foot control, hardened and ground pinion in the gearbox, Norton box for mm/inch.

Supplied complete with 1-speed motor, chuck guard med microswitch, halogen work light, rear splash guard, chuck, extensible chip tray, complete coolant equipment, 3-jaw chuck Ø 160 mm med 2x3 jaws, jaw chuck Ø 200 mm, face plate Ø 300 mm, chuck collet, fixed centres, quick release attachment with side holder for internal and external machining, die stock, fixed and follower rest, variable speed gear and tool set. The electrical cabinet can be removed with 1500 mm cable when the machine needs to be placed against a wall.



Illustration shows ML 1440

Art. no.	20758	-0101	-0200
Luna	No	ML 1330	ML 1440
Model		Floor	Floor
Design		Support	Support
Centre distance	mm	750	1000
Centre height	mm	165	180
Lathe diameter over bed	mm	330	360
Lather diameter over cross slide	mm	200	215
Lather diameter in gap width	mm	476	506
Gap width	mm	149	149
Width of lathe bed	mm	187	187
Spindle passage	mm	38	38
Spindle nose	Camlock	D1-4	D1-4
Headstock taper	MT	5	5
Tailstock taper	MT	3	3
Tailstock spindle movement	mm	95	95
Tailstock spindle diameter	mm	32	32
Spindle speed	ea	8	8
Spindle speed	rpm	70, 115, 190, 300, 460, 755, 1255, 2000	70, 115, 190, 300, 460, 755, 1255, 2000
Sliding feed	ea	20	20
Sliding feed	mm/r	0,067-1,019	0,067-1,019
Cross-slide movement	mm	160	160
Compound rest movement	mm	68	68
Cross feed	ea	20	20
Cross feed	mm/r	0,018-0,275	0,018-0,275
Screw pitch	ea	27	27
Screw pitch	mm	0,45-10	0,45-10
Screw pitch	ea	36	36
Screw pitch	times/inch	80-3,5	80-3,5
Sound level	dB (A)	81	81
Control voltage	V	110	110
Motor voltage	V	230/400	230/400
Motor output	kW	3-phase 50 Hz 1.5	3-phase 50 Hz 1.5
Rated current	A	6,3/3,7	6,3/3,7
Lighting	V	24	24
Coolant pump	kW	0,04	0,04
Rated current	A	0,48/0,25	0,48/0,25
Support		Welded	Welded
Weight	kg	590	620
Weight incl. packaging	kg	690	720
Size of packaging	mm	1720x750x1400	1920x750x1400
Ditto for Norway	20758	-5001	-5100
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz
Rated current, main motor	A	6,3	6,3
Rated current, coolant pump	A	0,48	0,48
Ditto for vessels	20758	-	-5209
Motor voltage	V	-	440 3-phase 60 Hz
Rated current, main motor	A	-	1,5
Rated current, coolant pump	A	-	0.04
Accessories:			
For quick release attachment:			
Side holder max tool steel 25 mm	20758	-0309	-0309
Side holder max tool steel Ø 30 mm	20758	-0408	-0408

Metal lathes



Nr 20758

Luna. A robust and stable steady centre lathe suitable for repair and maintenance work as well as training purposes. The machine is constructed on an induction hardened and ground bed plate with high strength cast iron gap for high stability, foot-operated spindle brake, safety connector against overloading the feed. Supplied complete with single-speed motor, chuck protection with micro switch, halogen work lighting, rear splash guard, digital measuring equipment, complete coolant equipment, 3-jaw chuck, collet, fixed centres, square steel attachment, die stock, and tool set.

Art. no.....	20758	-0606	-0705	-0804	(-0903)
Luna	No	ML 1660	ML 1840	ML 1860	ML 1880
Model		Floor	Floor	Floor	Floor
Design		Support	Support	Support	Support
Centre distance	mm	1500	1000	1500	2000
Centre height	mm	165	215	215	215
Lathe diameter over bed	mm	410	460	460	460
Lather diameter over cross slide	mm	250	290	290	290
Lather diameter in gap width	mm	660	700	700	700
Gap width	mm	200	200	200	200
Spindle passage	mm	80	80	80	80
Headstock taper	MT	7	7	7	7
Tailstock taper	MT	4	5	5	5
Tailstock spindle movement	mm	130	130	130	130
Tailstock spindle diameter	mm	75	75	75	75
Spindle speeds	ea	12	12	12	12
Spindle speeds	rpm	25 - 1800	25-1800	25-1800	25-1800
Cross-slide movement	mm	230	230	230	230
Compound rest movement	mm	100	100	100	100
Screw pitch	ea	24	24	24	24
Motor voltage	V	230/400	230/400	230/400	230/400
Motor output	kW	3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz
Coolant pump	kW	5.5	5.5	5.5	5.5
Weight	kg	0.04	0.09	0.09	0.09
		2630	2635	2835	3055
Ditto for Norway	20758	-5506	-5316	-5308	-5407
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz	230 3-phase 50 Hz	230 3-phase 50 Hz

Power shears

Hand operated

Luna. Portable model in steel construction for mounting on a lower beam or work bench. The guillotine is equipped with a plate down-holder, which also functions as a finger guard in accordance with the Swedish Board of Occupational Safety and Health recommendations. The lever arm is collapsible, which makes transport easier. The guillotine design also allows cutting of longer plates, as well as other material such as masonite®, leather, cardboard, plastics, etc.

A folding lower beam with lay-out table is available as an accessory. The table is equipped with a lockable stop with 60-500 mm adjustability. Brochure on request 9601-9997.



No 9601

Manual guillotine	9601	-0103	-0301
Cutting length	mm	800	1000
For max. steel plate 400 N/mm ²	mm	1.25	1
Net weight	kg	25	29
Stand	9601	-0202	-0400
Table length x width	mm	1000x500	1150x500
Table height	mm	700	700
Net weight	kg	13	16
Top blade	4086	(-0702)	(-0900)
Bottom blade	4086	(-0801)	(-1007)



No 4086 (Illustration shows model with lower beam)

Luna. In cast design. The spring-loaded stop is adjustable 5-500 mm with a crank and equipped with locking device. The table is calibrated and has movable stop rail plus fixed angle stop. The power shears are supplied with protection in accordance with the Swedish Board of Occupational Safety and Health recommendations (separate protection for older shears supplied on special order). One end of the guard is fixed to the shears table while the over end is fixed to the table with an adjustable stud which permits plate lengths greater than the table length.

A frame and locking mechanism are available as accessories, that build a catch the locks the impact arm in the lower position. (Suitable supplement for schools, etc.)

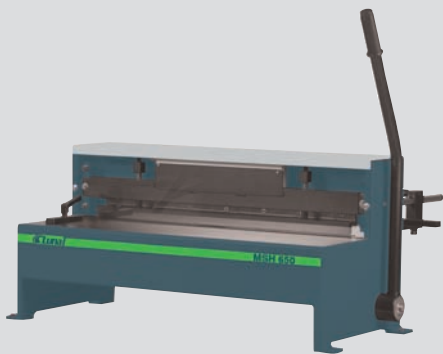
Art. no.	4086	-0306	-0355
Luna	No	MGH 1020	MGH 1270
Lower beam		without	with
Cut length	mm	1020	1270
For max. steel plate	mm	1.5	1.5
Table width	mm	580	560
Table length	mm	1130	1380
Net weight	kg	350	400

Accessories for size	MGH 1020 Art. no. 4086	MGH 1270 Art. no. 4086
Stand	-0603	-
Top blade	(-0900)	(-0959)
Bottom blade	(-1007)	(-1056)
Locking device	(-1106)	-
Sheet holder	(-1205)	(-1304)
Finger protection	(-1403)	(-1502)

Power shears

Hand operated

Luna. Hand operated precision machine, suitable for cutting metal, circuit boards, plastic, etc. As standard the machine is equipped with an illuminated cutting edge, adjustable angle stop with graduated scale, plate stop with adjustable angle and mm-scale and plastic covered automatic acting plate holder.



No 20832

Art. no.	20832	(-0101)
Luna	No	MSH 650
Design		Hand operated
Cut length	mm	650
Max. plate thickness (400 N/mm ²) ..	mm	1.25
Cutting angle		2°
Table length	mm	685
Table width	mm	265
Table height	mm	172
Length	mm	850
Width	mm	380
Height	mm	345
Rear stop	mm	450
Angle stop	mm	220
Cutting line lighting	V	230
Weight	kg	87
Stand	11175	(-1202)

Pneumatic



No 20831

Luna. Precision machines and pneumatic production machines, well-dimensioned and operator-friendly design that gives a good sight of the entire cutting line; ideal for sheet and plastic. Supplied complete with plate stop 90° angle stop, double ground, self-adjusting knives, automatic plate holder and pneumatic controlled safety screen.

Art. no.	20831	(-0102)	(-0201)
Luna	No	MSS 100	MSS 125
Design		Pneumatic	Pneumatic
Cut length	mm	1060	1310
Max. plate thickness (400 N/mm ²) ..	mm	1.25	1.25
Cutting angle		4.5°	3.5°
Number of strokes	per/min	22	22
Table length	mm	1100	1350
Table width	mm	335	335
Table height	mm	750	750
Length	mm	1252	1500
Width	mm	555	555
Height	mm	1010	1010
Rear stop	mm	685	685
Angle stop	mm	300	300
Sound level	dB (A)	82	82
Air consumption per stroke	lit	22	22
Max. air pressure	kPa	1000	1000
Min. air pressure	kPa	700	700
Weight	kg	175	215
Accessories			
Mm scale for plate stop	11185	(-1200)	(-1200)

Mechanical guillotines



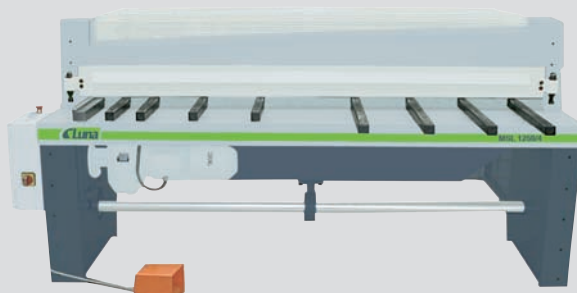
No 20833

Luna. Well-designed machine power shears manufactured in a fully-welded steel construction. Power transmission is accomplished from a standard motor with an electro-magnetic brake via a chain connection to the main shaft. This draws the cutter beam to the material via two powerful eccentric systems. The perfect cut is guaranteed using the accurately adjusted cutting gap and high quality cutters and the automatic rubber-covered plate holder. Perfect production shears with operator friendly table design, high cutting speed, optimal cutting angle and low noise level.

Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, manual plate stop with mm scale, set using a handwheel, cut line lighting, movable 24 V foot switch, table extension 600 mm, adjustable machine feet, angle stop and electrically controlled safety screen.

Art. no.	20833	-0100	-0209
Luna	No	MSM 1250/3	MSM 2000/2
Design		Motor	Motor
Cut length	mm	1275	2025
Max. plate thickness (400 N/mm ²)	mm	3.0	2.0
Cutting angle		2.0°	1.75°
Number of cuts	per/min	35	38
Bench length	mm	930	930
Bench width	mm	330	330
Table height	mm	860	870
Length	mm	1500	2250
Width	mm	550	560
Height	mm	1100	1130
Rear stop	mm	635	640
Angle stop	mm	270	270
Sound level	dB (A)	77	77
Supply voltage	V	24	24
Motor voltage	V	230/400	230/400
Motor output	kW	3-phase 50 Hz	3-phase 50 Hz
Rated current	A	2.2	2.2
Work lighting	V	8	8
Weight	kg	220	220
		760	990
Ditto for Norway	20833	-5000	-5109
Motor voltage	V	230 3-phase	230 3-phase
		50 Hz	50 Hz
Rated current	A	14	14
Special cutter for stainless steel		(11190-1005)	(11180-1007)
Cut counter	11190	(-1104)	(-1104)
Bench extender 940 mm	11190	(-1203)	(-1203)
T-slot rail for front edge of table	11190	(-1302)	(-1401)
Sheet catcher, pneumatic flip type	11190	(-1500)	(-1609)

Mechanical guillotines

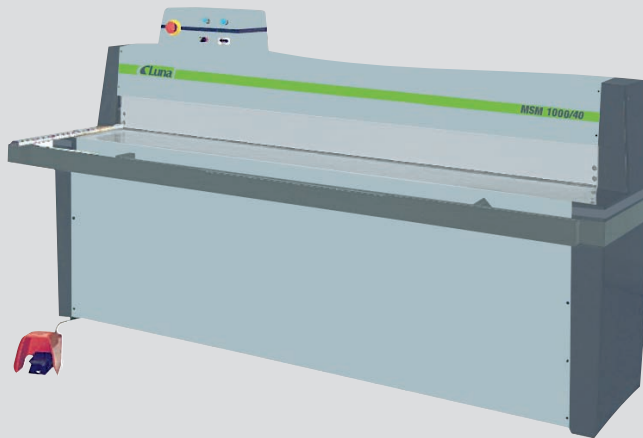


No 20845

Luna. A recently-developed mechanical guillotine in a simple, powerful design. Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, table extension, angle stop, movable 24 volt foot pedal, cut counter, adjustable spindle, rear plate gauge with counter, automatic acting rubber coated plate holder and electrically controlled safety shield.

Art. no.	20845	(-0106)	(-0205)	(-0304)
Luna	No	MSL 1250/4	MSL 2000/3	MSL 3000/2.5
Design		Motor	Motor	Motor
Cut length	mm	1250	2050	3050
Max. plate thickness (400 N/mm ²)	mm	4.0	3.0	2.5
Cutting angle		2.5°	2.1°	1.5°
Number of cuts	per/min	34	34	34
Bench length	mm	1660	2400	3400
Bench width	mm	425/640	425/680	425/680
Table height	mm	800	800	800
Length	mm	1860	2600	3600
Width	mm	700	700	700
Height	mm	1160	1160	1160
Rear stop	mm	640	640	640
Angle stop	mm	350	350	350
Supply voltage	V	24	24	24
Motor voltage	V	400	400	400
Motor output	kW	3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz
Rated current	A	4	4	4
Weight	kg	10	10	10
		950	1200	1750
Dito for Norway	20845	-5006	-5105	-5204
Motor voltage	V	230 3-phase	230 3-phase	230 3-phase
		50 Hz	50 Hz	50 Hz
Rated current	A	16	16	16
Special cutter for stainless steel		(11200-1102)	(11195-1000)	(11195-1109)
Bench extender, 940 mm	11195	(-1208)	(-1208)	(-1208)
Sheet catcher, pneumatic flip type	11195	-	(-1307)	(-1406)
Motorised plate stop	11195	-	(-1505)	(-1604)

Mechanical guillotines



No 20834

Luna. Production guillotine with low sound level and optimal cutting quality. Compact and with a modern design for cutting thin sheet metal. The powerful, cast ends with adjustable slider guides provide a high cutting quality. The whole construction has smooth, painted surfaces to minimise the need for cleaning work. Power transmission is accomplished from a motor with an electro-magnetic brake via a chain connection to the main shaft. This draws the cutter beam to the material via two powerful eccentric systems. The perfect cut is guaranteed using the precisely adjusted cutting column and high quality cutters and the automatic rubber-covered plate holder. A lubricant-free layer of Teflon and lubricant-free slide guides result in high dependability and minimal requirements for maintenance. Long life - 4 cutting surfaces on each knife.

Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, table with T-slot on the front edge, manual plate stop 650 mm with millimetre counter which is set using a knob, cutting edge lighting, cut counter, movable 24 V foot switch, 2 table extensions 1000 mm with millimetre scale and T-slot, angle stop with millimetre scale and T-slot, jog function for reversing the blade and electrically controlled safety shield.

Other sizes offered on request.

Art. no.....	20834	(-0109)	(-0208)	(-0307)	(-0406)	(-0505)
Luna	No	MSM 1000/40	MSM 1000/50	MSM 1250/40	MSM 1250/50	MSM 1500/30
Design.....		Motor	Motor	Motor	Motor	Motor
Cut length.....	mm	1030	1030	1280	1280	1530
Max. plate thickness (400 N/mm ²)..	mm	4,0	5,0	4,0	5,0	3,0
Cutting angle		2,4°	2,4°	1,9°	2,4°	1,7°
Number of cuts	per/min	32	32	32	32	32
Table height.....	mm	750	750	750	750	750
Length.....	mm	1270	1270	1520	1520	1770
Width.....	mm	1520	1520	1520	1520	1520
Height.....	mm	1270	1270	1270	1270	1270
Motor voltage.....	V	230/400	230/400	230/400	230/400	230/400
		3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz
Motor output.....	kW	3,0	4,0	4,0	5,5	3,0
Weight.....	kg	980	1040	1085	1120	1220
 Ditto for Norway	20834	-5009	-5108	-5207	-5306	-5405
Motor voltage.....	V	230 3-phase 50 Hz	230 3-phase 50 Hz	230 3-phase 50 Hz	230 3-phase 50 Hz	230 3-phase 50 Hz
Special cutter for stainless steel.....	11200	(-1003)	(-1003)	(-1102)	(-1102)	(-1201)
Sheet catcher, pneumatic flip type....	11200	(-1607)	(-1607)	(-1706)	(-1706)	(-1805)

Trimming machines

Hand operated



Picture shows MFH 700S

Luna. Easy to operate, lightweight, manual machines for bending of thin sheet material. The machines come with three types of top prisms for different profiles:

Typ MFH-S: Has been designed with a segmental rail for manufacturing boxes and special profiles. The lower section can be removed for ease of transportation and for mounting on a bench. A radius bar cannot be supplied for this type of machine.

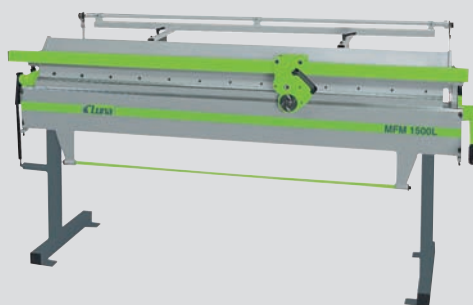
Type MFH-H: For manufacture of high ducts and narrow profiles.

Type MFH-L: For standard bending and, thanks to the low top prism is also suitable for U-profiles and Z-profiles.

Art. no.	20837	-0106	-0205	-0304	-0403	-0502
Luna	No	MFH 700S	MFH 700H	MFH 700L	MFH 1000S	MFH 1000H
Design		Hand driven	Hand driven	Hand driven	Hand driven	Hand driven
Working length	mm	650	650	650	1050	1050
Max. plate thickness (400 N/mm ²) ...	mm	1.5	1.8	2.0	1.25	1.25
Bending angle		93°	93°	135°	93°	93°
Opening between the prisms	mm	42	35	38	35	42
Length	mm	860	860	860	1260	1260
Width	mm	510	510	510	510	510
Height	mm	1070	1040	1000	1070	1040
Discharge springs		-	-	-	-	-
Weight	kg	78	69	65	111	98
Rear plate stop, 50-545 mm	11155	(-1008)	(-1008)	(-1008)	(-1107)	(-1107)
Radius bar R=2.5 mm	11155	-	(-1305)	(-1404)	-	(-1503)
Bench fitting	11155	(-1909)	(-1909)	(-1909)	(-1909)	(-1909)
Roller shears		-	-	-	-	-
Art. no.	20837	-0601	-0700	(-0809)	-0908	
Luna	No	MFH 1000L	MFH 1300S	MFH 1300H	MFH 1300L	
Design		Hand driven	Hand driven	Hand driven	Hand driven	
Working length	mm	1050	1350	1350	1350	
Max. plate thickness (400 N/mm ²) ...	mm	1.25	1.20	1.20	1.20	
Bending angle		135°	93°	93°	135°	
Opening between the prisms	mm	40	35	35	28	
Length	mm	1260	1560	1560	1560	
Width	mm	510	510	510	510	
Height	mm	1000	1070	1040	1000	
Discharge springs		-	-	-	Inkl.	
Weight	kg	89	135	115	108	
Rear plate stop, 50-545 mm	11155	(-1107)	(-1206)	(-1206)	(-1206)	
Radius bar R=2.5 mm	11155	(-1602)	-	(-1701)	(-1800)	
Bench fitting	11155	(-1909)	(-1909)	(-1909)	(-1909)	
Roller shears		(11155-3004)	-	-	(20837-1005)	

Trimming machines

Hand operated



Luna. Easy to operate, lightweight, manual machines for bending of thin sheet material. The machines come with three types of top prisms for different profiles:
For standard bending and, thanks to the low top prism is also suitable for U-profiles and Z-profiles.

Art. no.	20852	(-0106)	(-0205)	(-0304)
Luna	No	MF 1500L	MFH 2000L	MFH 3000L
Design		Hand driven	Hand driven	Hand driven
Working length	mm	1500	2020	3020
Max. plate thickness (400 N/mm ²)	mm	1.5	1.0	1.0
Bending angle		135°	135°	135°
Opening between the prisms	mm	45	42	45
Length	mm	1520	2320	3400
Width	mm	640	630	765
Height	mm	1100	1100	1390
Discharge springs		incl.	incl.	incl.
Weight	kg	329	385	780
Rear plate stop, 50-545 mm	11155	-	(-2006)	-
Radius bar R=2.5 mm	11155	(-2105)	(-2204)	(-2303)
Bench fitting	11155	(-1909)	(-1909)	(-1909)
Roller shears	20852	-	(-0502)	(-0601)
Max. thickness of plate, zinc	mm	-	0.8	0.8

No 20852

Foot operated

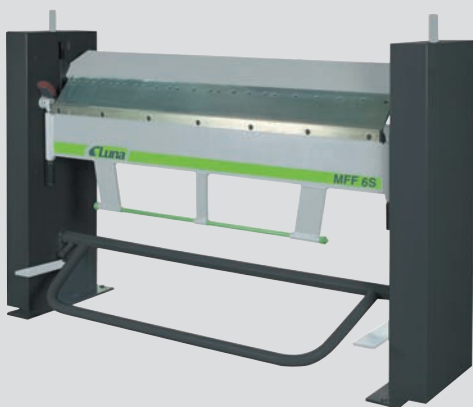
Luna. Powerful, well-dimensioned machines specially designed for professional use. A compact, fully-welded design of extremely high quality, where the emphasis is primarily on simple, ergonomically correct handling and minimal maintenance. Designed with foot-operated tightening for the top prism, allowing a particularly simple and rapid procedure that frees up both hands for adjusting the bend material. There are 25 mm recesses on the sides of the top, bottom and bend prism used for bending profiles with sides bent upwards. Relief springs are standard for weight equalisation of the folding beam, which guarantees perfect and trouble free folding. The models have segmented sharp rails for folding box sections up to a maximum edge height of 26 mm. Supplied as standard with a 15 mm feed bar.



No 20838

Art. no.	20838	-0105	-0204
Luna	No	MFF 2S	MFF 3S
Design		Foot op.	Foot op.
Working length	mm	1020	1270
Max. plate thickness (400 N/mm ²)	mm	2.5	2.0
Bending angle		135°	135°
Opening between the prisms	mm	48	48
Length	mm	1348	1598
Width	mm	850	900
Height	mm	1175	1175
Discharge springs		incl.	incl.
Weight	kg	285	330
Rear plate stop 80-545 mm	11150	(-1003)	(-1003)
Insert bar 10 mm	11150	(-1805)	(-1904)
Insert bar 20 mm	11150	(-2100)	(-2209)

Luna Sheet metal machines



Picture shows MFF 6S

Trimming machines

Foot operated

Luna. Powerful, well-dimensioned machines specially designed for professional use. A compact, fully-welded design of extremely high quality, where the emphasis is primarily on simple, ergonomically correct handling and minimal maintenance. There are 25 mm recesses on the sides of the top, bottom and bend prism used for bending profiles with sides bent upwards.

Designed with foot operated clamping of the upper beam, whereby you obtain an especially easy and quick working method as both hands are free to set the material to be folded.

The models have segmented sharp rails for folding box sections up to a maximum edge height of 62 mm for MFF-6S and 74 mm for MFF-7S/MFF-8S.

Supplied as standard with relief-spring for weight equalisation on the folding beam, which guarantees perfect and trouble-free folding, angle stop on the folding carriage and insert rail 20 mm.

Art. no.	20853	-0105	-0204	-0303
Luna	No	MFF 6S	MFF 7S	MFF 8S
Design		Foot op.	Foot op.	Foot op.
Working length	mm	1500	2020	2520
Max. plate thickness (400 N/mm ²)	mm	2.5	2.0	1.6
Bending angle		135°	135°	135°
Opening between the prisms	mm	52	52	52
Length	mm	2375	2565	3070
Width	mm	680	560	560
Height	mm	1150	1265	1265
Discharge springs		incl.	incl.	Incl.
Weight	kg	484	572	660
Rear plate stop, 80-800 mm	11150	(-3801)	(-2407)	(-2407)
Insert bar 10 mm	11150	-	(-3207)	-
Insert bar 15 mm	11150	-	-	(-3306)
Insert bar 20 mm	11150	-	(-3504)	-
Insert bar 30 mm	11150	-	-	(-3603)



Picture shows MFF 2 3SH

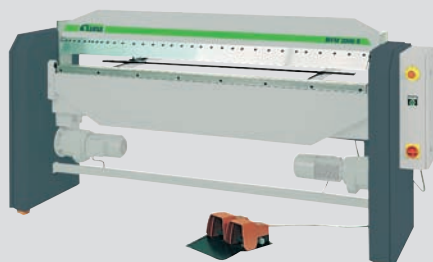
Luna. Trimming machines with segmental upper, lower and folding beams for bending in the opposite direction, allowing a huge number of options for bending special profiles. Has a powerful, fully-welded design with foot-operated tightening for the top prism, allowing a particularly simple and rapid procedure that frees up both hands for adjusting the bend material. The segment modules can be joined with 5 mm increments from 25 mm to the full length.

Supplied as standard with an angle stop on the bend prism with a discharge spring for load compensation, which guarantees perfect, problem free bending for optimal management and maximum load.

Art. no.	20854	-0104	-0203
Luna	No	MFF 2 3SH	MFF 3 3SH
Design		Foot op.	Foot op.
Working length	mm	1020	1270
Max. plate thickness (400 N/mm ²)	mm	2.5	2.0
Bending angle		150°	150°
Lift height upper beam	mm	45	45
Length	mm	1348	1598
Width	mm	850	900
Height	mm	1250	1250
Discharge springs		incl.	incl.
Weight	kg	385	415
Rear plate stop, 35-545 mm	11150	(-3702)	(-3702)

Trimming machines

Power operated



No 20835

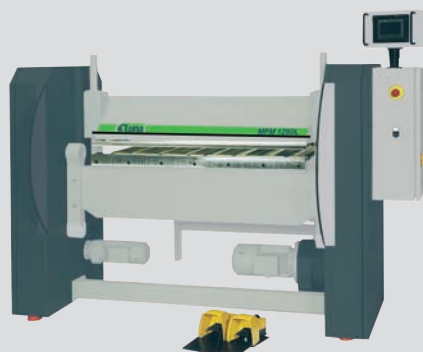
Luna. Motor-driven folding machines with full-welded structure and a modern design featuring segmented sharp rail that can fold profiles up to an edge height of 77 mm. Clamping of the upper beam is done using an electronically controlled motor. Controlled by a foot pedal. The folding angle is variably adjustable between 0 - 180° with handwheel. The cycle time for a 90° fold is 4.5 seconds.

Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, foot pedal with "deadman function" and automatic carriage return for 25 mm safe opening.

Art. no.	20835	(-0108)	(-0207)	(-0306)
Luna	No	MFM 1000 S	MFM 1250 S	MFM 1500 S
Design		Foot op.	Foot op.	Foot op.
Working length	mm	1020	1270	1520
Max. plate thickness (400 N/mm ²)	mm	2.25	2.0	1.75
Bending angle		135°	135°	135°
Top bedplate lifting height	mm	100	100	100
Length	mm	1670	1920	2170
Width	mm	625	625	625
Height	mm	1120	1120	1120
Sound level	dB (A)	71	71	71
Supply voltage	V DC	24	24	24
Motor voltage	V	230/400 3-phase	230/400 3-phase	230/400 3-phase
		50 Hz	50 Hz	50 Hz
Motor output bend bedplate	kW	0.75	0.75	0.75
Rated current – see below	A	*	*	*
Motor voltage	V	230/400 3-phase	230/400 3-phase	230/400 3-phase
		50 Hz	50 Hz	50 Hz
Motor output supply current	kW	0.37	0.37	0.37
Rated current *Total	A	10	10	10
Weight	kg	600	660	730
Ditto for Norway	20835	-5008	-5107	-5206
Motor voltage	V	230 3-phase	230 3-phase	230 3-phase
		50 Hz	50 Hz	50 Hz
Rated current Total	A	10	10	10
Art. no.	20835	(-0405)	(-0504)	(-0603)
Luna	No	MFM 2000 S	MFM 2500 S	MFM 3000 S
Design		Foot op.	Foot op.	Foot op.
Working length	mm	2020	2520	3020
Max. plate thickness (400 N/mm ²)	mm	1.5	1.0	1.0
Bending angle		135°	135°	135°
Top bedplate lifting height	mm	100	100	100
Length	mm	2670	3170	3670
Width	mm	625	625	625
Height	mm	1170	1170	1205
Sound level	dB (A)	71	71	71
Supply voltage	V DC	24	24	24
Motor voltage	V	230/400 3-phase	230/400 3-phase	230/400 3-phase
		50 Hz	50 Hz	50 Hz
Motor output bend bedplate	kW	0.75	0.75	0.75
Rated current – see below	A	*	*	*
Motor voltage	V	230/400 3-phase	230/400 3-phase	230/400 3-phase
		50 Hz	50 Hz	50 Hz
Motor output supply current	kW	0.37	0.37	0.37
Rated current *Total	A	10	10	10
Weight	kg	970	1200	1500
Ditto for Norway	20835	-5305	-5404	-5503
Motor voltage	V	230 3-phase	230 3-phase	230 3-phase
		50 Hz	50 Hz	50 Hz
Rated current Total	A	10	10	10

Trimming machines

Power operated



No 20836

Luna. Motor-driven folding machines with full-welded design and a modern design and with lubrication and maintenance-free slider guides. The undercarriage can be lowered to compensate for the use of a radius bar. The upper beam is clamped by means of an electronically-controlled motor. Controlled by a foot pedal. The folding angle is variably adjustable between 0 - 180° with handwheel. Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out med zero voltage tripping, two-hand tripping.

Art. no.	20836	(-0107)	(-0206)	(-0305)
Luna	No	MFM 1250L	MFM 1500L	MFM 2000L
Design		Foot op.	Foot op.	Foot op.
Working length	mm	1270	1520	2020
Max. plate thickness (400 N/mm ²)	mm	4.0	3.5	3.0
Bending angle		135°	135°	135°
Top bedplate lifting height	mm	200	200	200
Length	mm	2185	2435	2935
Width	mm	1070	1070	1070
Height	mm	1530	1530	1530
Sound level	dB (A)	71	71	71
Supply voltage	V DC	24	24	24
Motor voltage	V	230/400	230/400	230/400
Motor output bend bedplate	kW	3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz
Motor voltage	V	3.0	3.0	3.0
Motor output supply current	kW	230/400	230/400	230/400
Rated current *Total	A	3-phase 50 Hz	3-phase 50 Hz	3-phase 50 Hz
Weight	kg	0.37	0.37	0.37
		12	12	12
		2000	2500	2800
Ditto for Norway	20836	-5007	-5106	-5205
Motor voltage	V	230 3-phase	230 3-phase	230 3-phase
Rated current Total	A	50 Hz	50 Hz	50 Hz
		17	17	17
Art. no.	20836	(-0404)	(-0503)	
Luna	No	MFM 2500L	MFM 3000L	
Design		Foot op.	Foot op.	
Working length	mm	2520	3020	
Max. plate thickness (400 N/mm ²)	mm	2.5	2.0	
Bending angle		135°	135°	
Top bedplate lifting height	mm	200	200	
Length	mm	3435	3935	
Width	mm	1070	1070	
Height	mm	1530	1530	
Sound level	dB (A)	71	71	
Supply voltage	V DC	24	24	
Motor voltage	V	230/400	230/400	
Motor output bend bedplate	kW	3-phase 50 Hz	3-phase 50 Hz	
Motor voltage	V	3.0	3.0	
Motor output supply current	kW	230/400	230/400	
Rated current *Total	A	3-phase 50 Hz	3-phase 50 Hz	
Weight	kg	0.37	0.37	
		12	12	
		3400	4000	
Ditto for Norway	20836	-5304	-5403	
Motor voltage	V	230 3-phase	230 3-phase	
Rated current Total	A	50 Hz	50 Hz	
		17	17	

Bending rollers

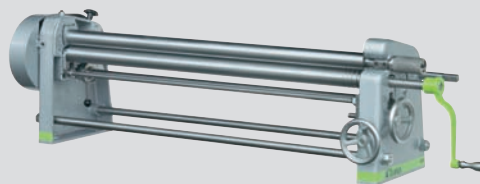
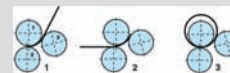
Hand operated

Luna. Manually-operated bending rollers in asymetrical design with centreless ground rollers from 25 to 45 mm. The machine ends are executed in anodised solid aluminium. Application of the bottom roller and bend roller is done with wheels. The bend roller can also be inclined for bending cones. The top roller can be easily swung out to remove the completed materials.

Art. no.	4126	(-0100)	(-0209)	(-0308)	-0407
Luna	MBA-208 H	306 H	209 H	307 H	307 H
Working length	mm 210	360	210	360	360
Roll diameter	mm 25	25	30	30	30
Max. plate thickness (400 N/mm ²) ..	mm 0.8	0.6	0.9	0.7	0.7
Weight	kg 13	15	16	19	19
Stand.	4126	(-0902)	(-1009)	(-0902)	(-1009)
Art. no.	4126	(-0506)	(-0605)	(-0704)	-0803
Luna	MBA-310 H	508 H	312 H	509 H	509 H
Working length	mm 360	510	360	510	510
Roll diameter	mm 40	40	45	45	45
Max. plate thickness (400 N/mm ²) ..	mm 1.0	0.8	1.2	0.9	0.9
Weight	kg 23	29	27	33	33
Stand.	4126	(-1009)	(-1108)	(-1009)	(-1108)



Illustration shows with support



No 8905



Luna. In asymmetrical design. Both gear wheels for the gear and roller gear are located on the left end which makes it possible to always work clockwise, regardless of whether the gear is used or not. The top roller is very easy to swing out for removal of ready pipes. The bottom roller is attached with a wheel on the right-hand side of the machine. The bend roller is easily adjustable via a worm gear with another wheel on the front right-hand side. Lower roller and bending roller have four different flute for rolling rod inserts. Bending roller can be offset for rolling cones.

Size 6/15 without gear change.

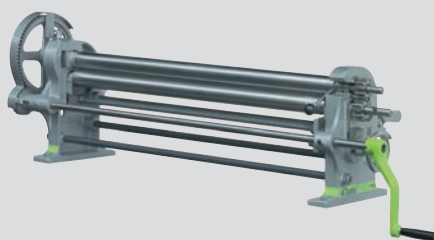
Other sizes with gear changing that can be released in one simple operation.

Brochure on request 9999-4279.

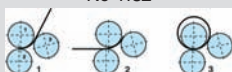
The machines are also available with an underframe made of steel tube.

Art. no.	8905	-0058	-0108	(-4100)
Luna	MBE-	615 H	1010 H	1012 H
Exchanging		without	with	with
Working length	mm 675	1020	1020	1020
For max. plate thickness (400 N/mm ²) ..	mm 1.5	1	1.2	1.2
Top and bottom roller diameter	mm 50	50	55	55
Rear roller diameter	mm 55	55	55	55
Net weight	kg 90	115	125	125
Stand.	8905	-0173	-0207	-0207

Sheet metal machines



No 4132



Bending rollers

Hand operated

Luna. Equipped with three cambered rollers. The top roller can be swung out for easy removal of the rolled plate. The bottom roller is attached with a wheel on the right-hand end of the machine. The rear roller is set with a level and replaceable ratchet quadrant. The roller can also be tilted for conical bends. Bottom and rear rollers have four different grooves for bending wiring.

The machine is supplied with cambered rollers, gears and can be obtained with a steel tube underframe.

Brochure on request 9999-4279.

Art. no.	4132	-0102	-0201	-0300
Luna	MBK-	620 H	1015 H	1212 H
Working length	mm	675	1020	1270
For max. plate thickness (400 N/mm ²)	mm	2	1.5	1.25
Top and bottom roller diameter	mm	60	60	60
Rear roller diameter	mm	65	65	65
Net weight	kg	140	175	215
Stand	4132	-0458	-0508	-0607



No 8263

Luna. Simple, stable machine. The rollers are situated symmetrically and all are cambered. The bottom rollers are mounted securely, while the bottom rollers are adjustable using two screw spindles and can be tilted for conical bending. One side clamp is foldable so that the bent workpiece can be removed. Conical bending device: suits all sizes.

Conical bending can only be ordered with the machine.

Brochure on request 9999-4279.

Art no.	8263	-0104	(-0203)	(-0302)	-0609	(-0708)
Luna	MBS-	1035 H	1050 H	1060 H	1230 H	1240 H
Working length	mm	1025	1020	1020	1275	1270
For max. thickness of plate (400 N/mm ²)	mm	3.5	5	6	3	4
Top roller diameter	mm	90	100	110	90	100
Bottom roller diameter	mm	80	90	100	80	90
Net weight	kg	295	410	460	330	450
Art no.	8263	(-0807)	(-1102)	(-1201)	(-1300)	(-1607)
Luna	MBS-	1250 H	1525 H	1535 H	1540 H	1715 H
Working length	mm	1270	1525	1525	1520	1770
For max. thickness of plate (400 N/mm ²)	mm	5	2.5	3.5	4	1.5
Top roller diameter	mm	110	90	100	110	90
Bottom roller diameter	mm	100	80	90	100	80
Net weight	kg	510	365	490	560	400
Art no.	8263	(-1706)	(-1805)	(-2100)	(-2209)	(-2308)
Luna	MBS-	1725 H	1730 H	2010 H	2015 H	2020 H
Working length	mm	1770	1770	2020	2020	2020
For max. thickness of plate (400 N/mm ²)	mm	2.5	3	1	1.5	2
Top roller diameter	mm	100	110	90	100	110
Bottom roller diameter	mm	90	100	80	90	100
Net weight	kg	530	610	435	570	660

Accessories

Conical bending device	8263	(-2605)
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Bending rollers

Power operated



Luna. The rollers are asymmetrically positioned and the top roller can be swung out for the removal of ready bent pipes. The bottom roller is attached with a wheel on the right-hand side of the machine. The bend roller is easily adjustable via a worm gear with another wheel on the front right-hand side. Lower roller and bending roller have 4 different slots for rolling rod inserts.

Supplied complete with motor 230/380V 3-phase, emergency stop button, emergency stop with wire, support with foot operated forwards and backwards switch. Working speed 5.5 m/min. Electrical equipment according to enclosure class IP 54.

No 8905



Art. no.	8905	(-4209)	(-4308)	(-4407)
Luna	MBF-	615 M	1010 M	1012 M
Working length	mm	675	1020	1020
For max. plate thickness (400 N/mm ²)	mm	1.5	1	1.2
Top and bottom roller diameter	mm	50	50	55
Rear roller diameter	mm	55	55	55
Feed speed	m/min	5,4-5,9	5,4-5,9	5,4-5,9
Motor voltage	V	400 3-phase	400 3-phase	400 3-phase
Motor output	kW	0.37	0.37	0.37
Net weight	kg	170	205	245
Ditto for Norway	8905	(-4506)	(-4605)	(-4704)
Motor voltage	V	230 3-phase	230 3-phase	230 3-phase



No 4135



Luna. With worm gear motor. The rollers are placed asymmetrically and all are cambered to provide uniform bends. The top roller can be swung out for the removal of ready bent pipes. Attaching the rear roller is done with a lever. The bottom roller with a wheel. The top and bottom rollers are equipped with four different grooves for bending work objects with wiring. The rear roller can also angled for rolling cones.

Supplied complete with brake motor 230/400 volt 3-phase 50 Hz, emergency stop button, emergency stop med wire, lower stand and foot operated forward and reverse switch with supply voltage 24 V. Working speed 5.5 m/min. Electrical equipment according to enclosure protection class IP 54. Other working lengths than those in the table quoted on request.

Brochure on request 9999-4279.

Art. no.	4135	(-0109)	(-0208)	(-0307)
Luna	MBL-	620 M	1015 M	1212 M
Working length	mm	675	1010	1260
For max. plate thickness (400 N/mm ²)	mm	2	1.5	1.25
Top and bottom roller diam.	mm	60	60	60
Rear roller diameter	mm	65	65	65
Motor output	kW	0.5	0.5	0.5
Weight	kg	180	215	255
Ditto for Norway	4135	(-0455)	(-0406)	(-0505)
Motor voltage	V	230 3-phase 50 Hz	230 3-phase 50 Hz	230 3-phase 580 Hz
Frequency control	4135	(-0604)	(-0604)	(-0604)

Bending rollers

Power operated



No 8264

Luna. Simple, stable machine. The rollers are sited symmetrically and all are cambered. The bottom rollers are mounted securely, while the top roller is adjustable using two screw spindles and can be tilted for conical bending. One side clamp is foldable so that bent work objects can be removed. The two bottom rolls are driven by means of a V-belt and gear wheels. Working speed 6 m/min.

Supplied complete with 230/400 volt 3-phase 50 Hz brake motor by alternating current - protection class IP 54, foot-operated forward and reverse change-over switch with 24 V control voltage and emergency stop button and emergency stop with wire. Conical bending can only be ordered with the machine. Brochure on request 9999-4279.

Art. no.	8264	(-0103)	(-0202)	(-0301)	(-0400)	(-0509)	(-0608)	(-0707)
Luna	MBT-1035 M	1050 M	1060 M	1070 M	1080 M	1230 M	1240 M	1270 M
Working length	mm 1020	1020	1020	1020	1020	1270	1270	1270
For max. thickness of plate (400 N/mm ²)	mm 3.5	5	6	7	8	3	4	4
Top roller diameter	mm 90	100	110	120	130	90	100	100
Bottom roller diameter	mm 80	90	100	110	120	80	90	90
Motor power at 900 r/min	kW 0.75	1.1	1.1	1.5	1.5	0.75	1.1	1.1
Weight	kg 310	430	480	670	725	345	470	470

Art. no.	8264	(-0806)	(-0905)	(-1002)	(-1101)	(-1200)	(-1309)	(-1408)
Luna	MBT-1250 M	1260 M	1270 M	1525 M	1535 M	1540 M	1550 M	1550 M
Working length	mm 1270	1270	1270	1525	1525	1525	1525	1525
For max. thickness of plate (400 N/mm ²)	mm 5	6	7	2.5	3.5	4	5	5
Top roller diameter	mm 110	120	130	90	100	110	120	120
Bottom roller diameter	mm 100	110	120	80	90	100	110	110
Motor power at 900 r/min	kW 1.1	1.5	1.5	0.75	1.1	1.1	1.5	1.5
Weight	kg 530	730	795	380	510	580	790	790

Art. no.	8264	(-1507)	(-1606)	(-1705)	(-1804)	(-1903)	(-2000)	(-2109)
Luna	MBT-1560 M	1715 M	1725 M	1730 M	1740 M	1750 M	2010 M	2010 M
Working length	mm 1525	1770	1770	1770	1770	1770	2020	2020
For max. thickness of plate (400 N/mm ²)	mm 6	1.5	2.5	3	4	5	1	1
Top roller diameter	mm 130	90	100	110	120	130	90	90
Bottom roller diameter	mm 120	80	90	100	110	120	80	80
Motor power at 900 r/min	kW 1.5	0.75	1.1	1.1	1.5	1.5	0.75	0.75
Weight	kg 865	415	550	630	850	935	450	450

Art. no.	8264	(-2208)	(-2307)	(-2406)	(-2505)	(-2604)	(-2703)	(-2802)
Luna	MBT-2015 M	2020 M	2030 M	2040 M	2510 M	2515 M	2520 M	2520 M
Working length	mm 2020	2020	2020	2020	2520	2520	2520	2520
For max. thickness of plate (400 N/mm ²)	mm 1.5	2	3	4	1	1.5	2	2
Top roller diameter	mm 100	110	120	130	110	120	130	130
Bottom roller diameter	mm 90	100	110	120	100	110	120	120
Motor power at 900 r/min	kW 1.1	1.1	1.5	1.5	1.1	1.5	1.5	1.5
Weight	kg 590	680	910	1005	780	1030	1145	1145

Accessories								
Conical bending device					8263		(-2605)	

Bending rollers

Power operated



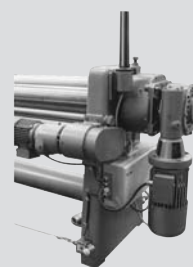
Nr 8266



Konbocknings-anordning



Släpsko



Motordriven böjvals nödstoppsutr. och bromsmotor

Luna. Modern easily operated machine. The rollers are placed asymmetrically and all are cambered to provide uniform bends. Driving of the top and bottom rollers is done from the worm gear motor. The top roller is easy to swing out for removal of ready bent pipes. All rollers are needle bearing mounted. Attachment of bottom roller and bend roller is accomplished with wheels via worm gears. Working speed 4.5 m/min.

Supplied with complete 230/400 V 3-phase motor – protection class IP 54, foot-operated forward and reverse change-over switch with 24 V control voltage and emergency stop button, emergency stop with wire plus scales for bend roller.

On request the machines can be equipped with (see table). Cone rolling device (inclined incl. collector shoe). Motor driven application of the bending rollers, motor driven application of the lower rollers, portable control panel, frequency control and digital display for the bending rollers (requires 2 for rolling cones) and digital display on the lower rollers. Hardened and ground rollers or adiprene coated rollers quoted on request.

Artnr	8266	(-0127)	(-0143)	(-0168)	(-0184)	(-0010)	(-0028)	(-0036)	(-0044)	(-0051)	(-0069)	(-0077)
Luna	MBR-	1025 M	1220 M	1515 M	2010 M	1030 M	1225 M	1520 M	2015 M	1040 M	1235 M	1530 M
Working length.	mm	1040	1290	1540	2040	1040	1290	1540	2040	1040	1290	1540
For max. pl.-tjl. (400 N/mm ²)...	mm	2.5	2	1.5	1	3	2.5	2	1.5	4	3.5	3
Roller. diam....	mm	80	80	80	80	90	90	90	90	100	100	100
Motor output....	kW	0,75	0,75	0,75	0,75	0,75	0,75	0,75	0,75	1,1	1,1	1,1
Weight.....	kg	400	440	480	560	440	490	530	625	665	725	785

Artnr	8266	(-0085)	(-0093)	(-0101)	(-0200)	(-0309)	(-0507)	(-0549)	(-1208)	(-1307)	(-1406)	(-1505)
Luna	MBR-	2020 M	2510 M	1050 M	1245 M	1540 M	2025 M	2515 M	1055 M	1250 M	1545 M	2030 M
Working length.	mm	2040	2540	1040	1290	1540	2040	2540	1040	1290	1540	2040
For max. pl.-tjl. (400 N/mm ²)...	mm	2	1	5	4.5	4	2.5	1.5	5.5	5	4.5	3
Roller. diam....	mm	100	100	110	110	110	110	110	120	120	120	120
Motor output....	kW	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Weight.....	kg	905	1025	700	770	840	975	1110	745	825	905	1060

Artnr	8266	(-1554)	(-1604)	(-1703)	(-1802)	(-1901)	(-1950)	(-2008)	(-2107)	(-2206)	(-2305)	(-2404)
Luna	MBR-	2520 M	1060 M	1255 M	1550 M	2035 M	2525 M	1065 M	1260 M	1555 M	2040 M	2530 M
Working length.	mm	2540	1040	1290	1540	2040	2540	1040	1290	1540	2040	2540
For max. pl.-tjl. (400 N/mm ²)...	mm	2	6	5.5	5	3.5	2.5	6.5	6	5.5	4	3
Roller. diam....	mm	120	130	130	130	130	130	140	140	140	140	140
Motor output....	kW	1,1	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2
Weight.....	kg	1225	960	1055	1140	1320	1500	1015	1120	1220	1425	1630

Tillbehör	8266
Angular adjustment of the bend roller with collector shoe for 80/90 mm rollers incl. manual reading	(-0556)
Angular adjustment of bend roller for 100 -140 mm rollers incl. manual reading	(-0606)
Angular adjustment of bottom roller 80-140 mm	(-4715)
Digital avläsning 8266 per axel böj- och/eller undervals	(-4723)
Hand wheel with counter 8266	(-4780)
Motor-driven application bending roller 80/90 mm rollers	(-0804)
Motor driven application bending roller 100-110/120 mm rollers	(-0903)
Motor-driven application bending roller 130/140 mm rollers	(-3006)
Motor-driven application bottom roller 80-90 mm rollers	(-3055)
Motor-driven application bottom roller 100-140 mm rollers	(-4004)
Floor stand for portable control panel	(-5001)
Control panel portable bending or bottom roller	(-5100)
Control panel portable bending + bottom roller	(-5209)
Frequency control 80-90 mm rollers	(-4301)
Frequency control 100-120 mm rollers	(-4400)
Frequency control 130-140 mm rollers	(-4509)

Bending rollers

Power operated

Four roll mill



No 8344



Luna. Motor driven, CNC-controlled bending rolls with four driving rollers, fitted in a cassette system, easily replaced for several different diameters (40, 60, 70, 80, 90 mm).

Prebending and preparation performed without intermediate handling of the sheet.

The machine can bend both constant radii and elliptical profiles.

Supplied with a set of cambered steel rollers, connection voltage 400V and emergency stop functions with buttons and wires.

The machine can be customised with hardened and ground rollers, rollers with an Adiprene-coating, rollers with flutes and adjustable camber support, etc.

Prices and technical information on request.

Brochure on request 9999-4303.

Art. no.	8344	10/10-40	12/08-40	15/07-40	20/05-40	10/10	12/08
Working length.....	mm	1008	1258	1508	2008	1020	1250
Roll diameter	mm	40	40	40	40	60	60
Max. sheet-metal thickness Alu 250 N/mm ²	mm	1.0	0.8	0.7	0.5	1.5	1.2
Max. sheet-metal thickness Steel 400 N/mm ²	mm	-	-	-	-	1.0	0.8
Motor output	kW	0.75	0.75	0.75	0.75	0.75	0.75
Net weight	kg	650	700	750	850	700	750
Art. no.	8344	10/20	12/15	15/10	10/25	12/20	15/15
Working length.....	mm	1040	1290	1540	1040	1290	1540
Roll diameter	mm	70	70	70	80	80	80
Max. sheet-metal thickness Alu 250 N/mm ²	mm	-	-	-	-	-	-
Max. sheet-metal thickness Steel 400 N/mm ²	mm	2.0	1.5	1.0	2.5	2.0	1.5
Motor output	kW	0.75	0.75	0.75	0.75	0.75	0.75
Net weight	kg	650	700	750	700	750	800
Art. no.	8344	20/10	10/30	12/25	15/20	20/15	
Working length.....	mm	2040	1040	1290	1540	2040	
Roll diameter	mm	80	90	90	90	90	
Max. sheet-metal thickness Alu 250 N/mm ²	mm	-	-	-	-	-	
Max. sheet-metal thickness Steel 400 N/mm ²	mm	1.0	3.0	2.5	2.0	1.5	
Motor output	kW	0.75	0.75	0.75	0.75	0.75	
Net weight	kg	850	750	800	850	900	

Laser sights

Luna. Laser sights, universal accessory that suits most of the stationary drilling machines currently on the market. With the unique possibility of adjusting the angle on the magnet attached laser pucks and always having a linear laser crosspoint, you ensure exact calibration. No tools required as magnets are used to attach all components.

| Art. no. | 20407 | -0106 |



No 20407

Drill chucks

Luna. Three-jaw key chucks. Key chuck with conical attachment hole recommended for electricity-powered portable machines. (Drill chuck arbors, see page 87.) Extra keys, see page 202.

Clamping width mm	Outside diam. mm	Length open mm	Spanner DIN 6349/4	Drive	Art. no.
					20082
0.5-10	34.5	49	S 2	B 12	-0108
1-13	52	69	S 3	B 16	-0207
3-16	49.5	75	S 3	B 18	-0306
5-20	65	92	S 4	B 22	-0405



No 20082

Keyless

Luna. Quick-clamping and self-locking. Three-jaw. With ball bearing. The jaws are hardened and ground. With tapered mounting hole according to DIN 238 or with threaded mounting hole.

Clamping width mm	Outside diam. mm	Length open mm	Weight g	Drive	Art. no.
					20086
1-10	44	93	700	B 12	-0104
0-10	44	106	960	B 16	-0203
1-13	51	106	960	B 16	-0302
3-16	54	103	1240	B 16	-0401
3-16	54	103	1240	B 18	-0500
0-6.5	35	62.5	265	3/8x24	-0609
0-8	35.8	70.5	390	3/8x24	-0708
0-10	42.5	82.5	625	3/8x24	-0807
1-13	46	95	890	1/2x20	-0906
0.5-10	35.8	70.5	370	3/8x24	-1003
0.5-10	35.8	70.5	355	1/2x20	-1102
1-13	42.5	81.5	610	3/8x24	-1201
1-13	42.5	81.5	610	1/2x20	-1300
3-16	46	95	975	1/2x20	-1409



No 20086-0906



No 20086-1409

For hammer drills

Luna. Safety chuck with mechanical locking system, specially designed for hammer drills. Three-jaw. The jaws are hardened and ground. With tapered mounting hole according to DIN 238 or with threaded mounting hole. (Drill chuck arbors, see page 87.)

Luna No	Clamping width mm	Outside diam. mm	Length open mm	Weight g	Drive	Art. no.
						20088
SU 13 SK	1-13	42.5	75.3	490	B 12	-0102
SU 13 SK	1-13	41	94	500	B 16	-0201
SU 10 SK	0.5-10	37	78	405	3/8x24	-0300
SU 13 SK	1-13	42.5	74	510	1/2x20	-0409



No 20088-0102



No 20088-0300

Drill chucks

Precision chucks



No 20089

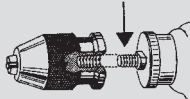
Luna. Precision design with accuracy of roundness 0.05 mm for high speed and precision work. Quick-clamping. Three-jaw. With ball bearings. The jaws are hardened and ground. With tapered mounting hole according to DIN 238.

Art. no.	20089	-0101	-0200
Luna	No	13	16
Span width	mm	1-13	1-16
Outside diameter.....	mm	51	54
Mounting hole designation.....		B 16	B 18

Coupling thread



Nr 20087



Luna. Förvandling av gängat fästhål till gängat tapp. För aptering av borrhuckar med gängat fästhål i dito handborrmaskiner.

Artnr.	20087	-0103
Gänga.....	UNF	3/8x24

Drill chuck mandrels



No 20506

Luna. With tapered attachment according to SMS 711. For clamping of drill chucks with mounting hole according to SS 710 and DIN 239 in machines with MT attachment. Fully hardened and ground.

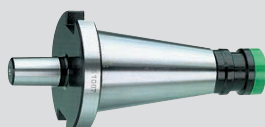
Arbor tap designation	MT 1		MT 2		MT 3		MT 4	
	Art. no.	Total length mm	Art. no.	Total length mm	Art. no.	Total length mm	Art. no.	Total length mm
	20506		20506		20506		20506	
B 10	-0106	86	-0502	102	-	-	-	-
B 12	-0205	89	-0601	105	-1005	129	-	-
B 16	-0304	97	-0700	109	-1104	133	-1401	161
B 18	-0403	116	-0809	116	-1203	140	-1500	168
B 22	-	-	-0908	127	-1302	146	-1609	175
B 24	-	-	-	-	-1708	167	-1807	186



No 20912

Luna. With cylindrical attachment. For clamping of drill chucks with mounting hole according to SS 710 and DIN 238 in milling machines and automatic machines. Clamping is done in a milling chuck or clamping sleeve. Fully hardened and ground.

Art. no.	20912	-0104	-0203	-0302	-0401	-0500
Arbor tap designation.....		B 10	B 12	B 16	B 16	B 18
Shaft diameterxlängd	mm	10x50	10x50	16x50	20x60	16x70



No 20890

Luna. For setting up of drill chucks with tapered mounting holes in machines with ISO taper.

Art. no.	20890	-0100	-0209	-0308
Machine attachment according to		DIN 2080	DIN 2080	DIN 2080
Machine bracket.....		ISO 30	ISO 40	ISO 50
Drill chuck attachment.....		B 16	B 16	B 16

Chuck collets

Luna. Cylindrical with internal Morse taper. Precision manufactured. Fully hardened. Ground internally and externally.

Art. no.	20916	-0100	-0209	-0407	-0605
Ext. diameter	mm	20	25	32	40
Int. taper	MT	1	2	3	4
Overall length	mm	75	100	120	152



No 20916

Luna. Precision manufactured. Fully hardened. Ground internally and externally. Morse taper.

Art. no.	20504	-0108	-0207	-0306	-0405	-0504	-0603
External/internal taper	No	2/1	3/1	4/1	3/2	4/2	5/2
For drill diameters	mm	5-14	5-14	5-14	14.25-23	14.25-23	14.25-23
Art. no.	20504	-0702	-0801	-0900	-1007	-1106	
External/internal taper	No	4/3	5/3	5/4	6/4	6/5	
For drill diameters	mm	23.25-31.5	23.25-31.5	32-50	32-50	51-75	



No 20504

Extension sleeves

Luna. Precision manufactured. Fully hardened. Ground internally and externally. Morse taper.

Art. no.	20505	-0107	-0206	-0305	-0404	-0503
External/internal taper	No	1/1	2/1	3/1	1/2	2/2
For drills	mm	5-14	5-14	5-14	14.25-23	14.25-23
Overall length	mm	145	160	175	160	175
Art. no.	20505	-0602	-0701	-0800	-0909	-1006
External/internal taper	No	3/2	4/2	2/3	3/3	4/3
For drills	mm	14.25-23	14.25-23	23.25-31.5	23.25-31.5	23.25-31.5
Overall length	mm	194	215	196	215	240
Art. no.	20505	-1105	-1204	-1303	-1402	-1501
External/internal taper	No	3/4	4/4	5/4	4/5	5/5
For drills	mm	32-50	32-50	32-50	51-75	51-75
Overall length	mm	240	265	300	300	335



No 20505

Reducing sleeves

Luna. Sleeve that reduces from external ISO taper to internal MT attachment. Machine bracket according to DIN 2080

Art. no.	20943	-0107	-0206	-0305	-0404	-0503
Machine bracket	ISO	30	30	40	40	40
Int. taper		MT2	MK 3	MT2	MK 3	MK 4



No 20943



No 20902/Insert chuck



No 20902/Set

Milling chucks

Luna. ER insert chuck. For tools such as shank-end mill, twist drill and screw cutting tools with cylindrical shaft (also with carrier plane). With straight shank. For attachment to milling chuck. For machining operations that require greater clearance or less collet diameter. Double slotted ER chuck collets which combine flexibility with a wide clamping range. High precision and great clamping force.

Separate insert chucks				
Art. no	20902	-0205	-0403	-0502
ER dim.		16	20	32
Straight shank.	mm	20	20	25
Attachment length	mm	100	100	80
Tension area	mm	1.0-10.0	2.0-13.0	3.0-20.0

Sets (insert chuck with chuck collets)				
Art. no	20902	-1005	-1104	-1203
ER dim.		16	20	32
Straight shank.	mm	20	20	25
Attachment length	mm	100	100	80
Tension area	mm	2.0-10.0	3.0-13.0	5.0-20.0
With chuck collets	mm	3, 4, 5, 6, 7, 8, 9, 10	4, 5, 6, 7, 8, 9, 10, 11, 12, 13	6, 8, 10, 12, 16, 20
No. of collets	ea.	8	10	6



No 20914

Luna. ER insert chuck Mini. Corresponds to version no 20902, extended insert chuck with slim design for milling and drilling operations requiring greater access.

Milling chuck		20914	-0102
ER dim.			16
Straight shank	mm		20
Tension area	mm		1-10
Head diameter	mm		22
Attachment length (overall)	mm		160

Separate key			
Set	20914	-0201	-0300
ER dim.	mm	16	
Straight shank.	mm	20	
Attachment length	mm	160	
Tension area	mm	1.0-10.0	
With chuck collets	mm	3.0-10.0 (1.0 mm steps)	
No. of collets	ea.	8	



No 20903/Milling chuck



No 20903/Set

Luna. ER milling chuck. For tools such as shank-end mill, twist drill and screw cutting tools with cylindrical shaft (also with carrier plane). With Morse taper. For double slotted ER chuck collets which combine flexibility with a wide clamping range. High precision and great clamping force.

Separate milling chucks				
Art. no	20903	-0105	-0204	-0303
ER dim.		20	32	32
Machine bracket.	MT	2	3	4
Draw rod thread		M 10×1.5	M 12×1.75	M 16×2.0
Tension area	mm	2.0-13.0	3.0-20.0	3.0-20.0

Sets (milling chuck and clamping sleeves)				
Art. no	20903	-1004	-1103	-1202
ER dim.		20	32	32
Machine bracket	MT	2	3	4
Draw rod thread		M 10×1.5	M 12×1.75	M 16×2.0
Tension area	mm	4.0-13.0	5.0-20.0	5.0-20.0
With chuck collets	mm	4, 5, 6, 7, 8, 9, 10, 11, 12, 13	6, 8, 10, 12, 16, 20	6, 8, 10, 12, 16, 20
No. of collets	ea.	10	6	6

Milling chucks

Luna. ER milling chuck. For tools of the types end mill, twist drills and threading tools with a straight shank (also with flats). With machine taper. For double slotted ER chuck collets which combine flexibility with a wide clamping range. High precision and great clamping force. The sets contain collets in increments 1.0 mm (means that collet dimension 6 has the clamping range \varnothing 6-5 mm, 8 has a clamping range \varnothing 8-7 etc).



Milling chuck



No 20904/Set.

Separate milling chucks

Art. no	20904	-0203	-0302
ER dim.	32	40	40
Machine bracket ...	DIN 2080 ISO	30	30
Collet dim./Clamping range.....	mm	3.0-20.0	4.0-26.0

Separate milling chucks

Art. no	20904	-0906	-1003
ER dim.	32	40	40
Machine bracket ...	DIN 2080 ISO	40	40
Collet dim./Clamping range.....	mm	3.0-20.0	4.0-26.0

Sets (milling chuck and chuck collets)

Art. no	20904	-3405	-3603	-3900	-4106
ER dim.	32	40	40	32	40
Machine bracket ...	DIN 2080 ISO	30	30	40	40
Collet dim.	mm	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 22, 25, 26	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 22, 25, 26
No. of collets	ea.	11	15	11	15

Locking nuts

Luna. Locking nuts for milling chucks

Art. no	20905	-0103	-0202	-0400	-0509
ER dim.	16	20	32	40	50
Thread dim.....	M	22x1.5	25x1.5	40x1.5	50x1.5
Nut	type	A	A	B	B



No 20905/Type A No 20905/Type B

Milling chuck keys

Luna. Suitable for Luna milling chucks.

Art. no	20906	-0102	-0201	-0409	-0508
ER dim.	16	20	32	40	40
Spanner	type	A	A	B	B



No 20906/Type A



No 20906/Type B



No 20899

Clamping sleeves

Luna. Separate ER chuck collets.

Art. no.	20899	-0101	-0200	-0309	-0408	-0507	-0606	-0705	-0804	-0903	-1000
ER dim.	16	16	16	16	16	16	16	16	16	16	16
Nom. diam.	mm 1	2	3	4	5	6	7	8	9	10	
Tension area ..	mm 1.0-0.5	2.0-1.0	3.0-2.0	4.0-3.0	5.0-4.0	6.0-5.0	7.0-6.0	8.0-7.0	9.0-8.0	10.0-9.0	
Art. no.	20899	-1109	-1208	-1307	-1406	-1505	-1604				
ER dim.	20	20	20	20	20	20	20				
Nom. diam.	mm 2	3	4	5	6	7	8				
Tension area ..	mm 2.0-1.0	3.0-2.0	4.0-3.0	5.0-4.0	6.0-5.0	7.0-6.0	8.0-7.0				
Art. no.	20899	-1703	-1802	-1901	-2008	-2107	-2206				
ER dim.	20	20	20	20	20	20	20				
Nom. diam.	mm 8	9	10	11	12	13	14				
Tension area ..	mm 8.0-7.0	9.0-8.0	10.0-9.0	11.0-10.0	12.0-11.0	13.0-12.0	14.0-13.0				
Art. no.	20899	-3808	-3907	-4004	-4103	-4202	-4301				
ER dim.	32	32	32	32	32	32	32				
Nom. diam.	mm 3	4	5	6	7	8	9				
Tension area ..	mm 3.0-2.0	4.0-3.0	5.0-4.0	6.0-5.0	7.0-6.0	8.0-7.0	9.0-8.0				
Art. no.	20899	-4400	-4509	-4608	-4707	-4806	-4905				
ER dim.	32	32	32	32	32	32	32				
Nom. diam.	mm 9	10	11	12	13	14	15				
Tension area ..	mm 9.0-8.0	10.0-9.0	11.0-10.0	12.0-11.0	13.0-12.0	14.0-13.0	15.0-14.0				
Art. no.	20899	-5001	-5100	-5209	-5308	-5407	-5506				
ER dim.	32	32	32	32	32	32	32				
Nom. diam.	mm 15	16	17	18	19	20	21				
Tension area ..	mm 15.0-14.0	16.0-15.0	17.0-16.0	18.0-17.0	19.0-18.0	20.0-19.0	21.0-20.0				
Art. no.	20899	-5605	-5704	-5803	-5902	-6009	-6108				
ER dim.	40	40	40	40	40	40	40				
Nom. diam.	mm 5	6	7	8	9	10	11				
Tension area ..	mm 5.0-4.0	6.0-5.0	7.0-6.0	8.0-7.0	9.0-8.0	10.0-9.0	11.0-10.0				
Art. no.	20899	-6207	-6306	-6405	-6504	-6603	-6702				
ER dim.	40	40	40	40	40	40	40				
Nom. diam.	mm 11	12	13	14	15	16	17				
Tension area ..	mm 11.0-10.0	12.0-11.0	13.0-12.0	14.0-13.0	15.0-14.0	16.0-15.0	17.0-16.0				
Art. no.	20899	-6801	-6900	-7007	-7106	-7205	-7304				
ER dim.	40	40	40	40	40	40	40				
Nom. diam.	mm 17	18	19	20	21	22	23				
Tension area ..	mm 17.0-16.0	18.0-17.0	19.0-18.0	20.0-19.0	21.0-20.0	22.0-21.0	23.0-22.0				
Art. no.	20899	-7403	-7502	-7601	-7700						
ER dim.	40	40	40	40	40						
Nom. diam.	mm 23	24	25	26	27						
Tension area ..	mm 23.0-22.0	24.0-23.0	25.0-24.0	26.0-25.0	27.0-26.0						



No 20466/Set

Luna. ER chuck collets in sets.

Art. no.	20466	-0104	-0203	-0401	-0500
ER dim.	16	20	32	40	40
Clamping range (interval) ..	mm 1.0-10.0	2.0-13.0	3.0-20.0	4.0-26.0	
No. of collets	ea. (1)	(1)	(1)	(1)	(1)
	10	12	18	23	

End mill arbors



Luna. End mill arbors. Short type. Attachment according to DIN 2080.

No 20948-20942

Arbor diam. mm	ISO 30 <i>Art. no.</i> <i>20948</i>	ISO 40 <i>Art. no.</i> <i>20941</i>	ISO 50 <i>Art. no.</i> <i>20942</i>
16	<i>-0102</i>	<i>-0109</i>	-
22	<i>-0201</i>	<i>-0208</i>	<i>-0108</i>
27	<i>-0300</i>	<i>-0307</i>	<i>-0207</i>
32	<i>-0409</i>	<i>-0406</i>	<i>-0306</i>
40	-	<i>-0505</i>	<i>-0405</i>

Locking screws

Luna. Cross screw for Luna end mill arbors.

<i>Art. no.</i>	<i>20915</i>	<i>-0101</i>	<i>-0200</i>	<i>-0309</i>	<i>-0408</i>	<i>-0507</i>
For arbor diameter	mm	16	22	27	32	40



No 20915

Taping chucks

Self-reversing

Luna. Self-reversing tapping chuck for vertical machining in machines with right hand work spindle. Suitable for both through holes and blind holes. With automatic reversing that quickly returns the tap when the set depth of thread has been achieved. Adjustable safety clutch torque in 4 levels plus spring-action length compensation. Supplied including 2 drill chuck mandrels with Morse tapers 3 and 4, and 2 rubberflex collets.

<i>Tapping chucks</i>	<i>20559</i>	<i>-0102</i>	<i>-0201</i>	<i>-0300</i>
Luna	No	JSN 7	JSN 12	JSN 20
For taps	M	2-6	5-12	8-20
Outside diameter	mm	52	74	90
Speed	r/min	200-500	100-300	50-200
Drive		B 16	B 16	B 22
Drill chuck mandrel	MT	3 and 4	3 and 4	3 and 4

<i>Chuck collets</i>	<i>20559</i>	<i>-0409</i>	<i>-0508</i>	<i>-0607</i>	<i>-0706</i>	<i>-0805</i>	<i>-0904</i>
For tapping chuck ..		JSN 7	JSN 7	JSN 12	JSN 12	JSN 20	JSN 20
Outside diameter ..	mm	15.5	15.5	21	21	26.5	26.5
Tension area	mm	2.5-4.5	4.5-6.5	4.5-7.0	7.5-10.0	7.0-9.0	9.5-14.0

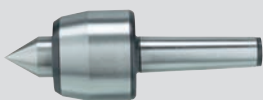
<i>Drive jaws</i>	<i>20559</i>	<i>-1001</i>	<i>-1100</i>	<i>-1209</i>
Type		JSN7	JSN12	JSN20



No 20559

Lathe centres

Rotating



No 20991

Luna. Lathe centres housed in ball bearings for processing of lighter workpieces.

Art. no.	20991	-0108
Morse taper attachment	No	3
Centre housing ext. d.	mm	50
Radial precision	mm	0.01
Total length	mm	148



No 20649

Luna. Precision turning centre with ball-bearings, which is supplied in a complete set of 7 replaceable tips and a pusher. Accuracy 0.005 mm. Excellent when machining small work pieces. The set contains 2 standard points \varnothing 13, 1 x \varnothing 9 l=16, 1 x \varnothing 7 l=14, 1 x \varnothing 5.5 l=13, 1 x pipe centre insert \varnothing 12-31, 1 x tapered centre insert \varnothing 6 (largest diam.) depth=3 mm.

Art. no.	20649	-0104	-0203
Luna	No	MLC-6611	MLC-6612
Drive	MT	2	3
Centre housing ext. d.	mm	40	43

Lathe safety keys

Safety keys



No 20081

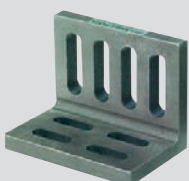


Luna. Universal chuck key. Suits most lathe chucks.

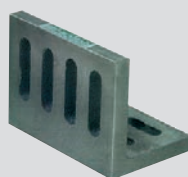
Art. no.	20081	-0109	-0208
Pin size \square	mm	12	14
For chuck diameter	mm	250	315
Shaft length	mm	100	110

Angle plates

Fixed



No 20878



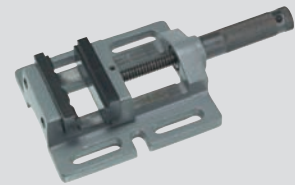
Luna. Open. Of stress-free cast iron. Machined to parallelism and angular precision of ± 0.05 mm/150 mm.

Art. no.	20878	-0106	-0205	-0304
Length	mm	150	200	300
Width	mm	115	125	200
Height	mm	125	150	225
Weight	kg	3	5	20

Machine vices

Luna. Of cast iron. With unhardened steel jaws with slots in the top edge, of which the fixed jaw is prismatic.

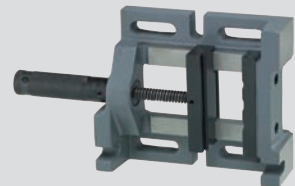
Art. no.	20872	-0102	-0201	-0300
Jaw width	mm	85	100	120
Jaw height	mm	30	30	37
Clamping width	mm	70	95	105
c-c mounting slots	mm	113	124	148
Weight	kg	3.3	4.0	6.6



No 20872

Luna. Of cast iron 3-way vice that is flat ground on three sides for 3 different clamping positions, horizontal and vertical as well as horizontally standing. The fixed jaw is vertically and horizontally prismatic.

Art. no.	20648	-0105
Jaw width	mm	100
Jaw height	mm	30
Span width	mm	70
c-c mounting slots	mm	123
Weight	kg	5



No 20648

With **rapid positioning** of the moveable jaw. Of light metal. Spindle and prismatic jaws of steel.

Art. no.	20910	-0106	-0205
Jaw width	mm	63	80
Jaw height	mm	25	25
Clamping width	mm	65	80
c-c mounting slots	mm	80	95
Weight	kg	0.8	0.9



No 20910

Luna. Rapid clamping over the full jaw width - for quick changing of workpieces. Two levers regulate the rapid positioning and clamping. Cast design with double guides.

Art. no.	20967	-0108	-0207
Jaw width	mm	100	160
Clamping width	mm	125	160
Net weight	kg	8	20



No 20967

Luna. Of cast iron. Can be swivelled and set at an angle. Graduated scales for swivel and angular settings.

Art. no.	20901	-0107
Jaw width	mm	125
Jaw height	mm	40
Clamping width	mm	100
Can be set at angle	°	0-45
Revolving	°	360
Net weight	kg	19
Gross weight	kg	22



No 20901

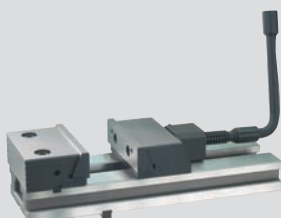
Luna. Of casting. With flat, hardened and ground jaws with narrow slots. With protected spiral. Supplied with revolving, 360° graduated base plate.

Art. no.	20940	-0100	-0209	-0308	-0407
Jaw width	mm	100	125	160	200
Jaw height	mm	32	40	50	63
Clamping width	mm	80	100	125	160
Weight	kg	13.8	19.8	36.6	54.0
Prismatic jaws	20940	-0506	-0605	-0704	-0803
Flat jaws	20940	-0902	-1009	-1108	-1207



No 20940

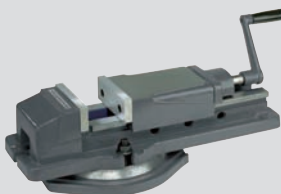
Machine vices



No 20907

Luna. Precision vices. Adapted for precision machining, mainly in multioperation milling and grinding machines. Suitable for cube, palette and table mounting. Extra large clamping width and low weight. Supplied with flat jaws.

Machine vice	20907	-0101	-0200	-0309
Jaw width	mm	125	150	200
Jaw height	mm	43	57	65
Clamping width	mm	160	210	260
Clamping force	kN	30	41	45
Net weight	kg	13	28	48
Standard jaws	20907	-0408	-0507	-0606
Fluted jaws	20907	-0705	-0804	-0903



No 20530

Luna. Hydraulic machine vice in cast iron. For machining in CNC machines. Maximum clamping force with a minimum of manual force is obtained by means of the Gyra booster system. Concealed shaft for protection from swarf and dirt. Quick clamping and easy to handle. The flexible jaw can be quickly moved in 3 positions for different jaw opening steps. Precision within 0.02 mm. Supplied with swivel base plate.

Art. no.	20530	-0106	-0205
Luna	No	VH-5	VH-6
Jaw width	mm	127	150
Jaw height	mm	46	51
Clamping width	mm	208	300
Length incl. handle	mm	670	800
Clamping force	kN	45	50
Net weight	kg	45	64



Bench vices



Nr 6061

Av gjutjärn. Härdade backar och smidesståd. Inkapslad trapetsgångad spindel.

Artnr	20168	-0100	-0209	-0308	-0407	-0506
Luna	Nr	MV63S	MV80S	MV100S	MV125S	MV150S
Backbredd	mm	63	80	100	125	150
Spännvidd	mm	75	80	80	100	125
Spännndjup	mm	??	??	??	??	??
Vikt	kg	3.1	3.2	4.3	7.3	11



Nr 1433

Luna. Av smidesstål för högsta krav på hållbarhet. Härdade backar. Smidesståd. Justerbar slid för perfekt stabilitet i åkrörelsen. Inkapslad trapetsgångad spindel. Tillbehör: vridplatta och rörbackar, ingår ej.

Artnr	20423	-0601	-0700	-0809	-0908
Luna	Nr	MV100EX	MV125EX	MV150EX	MV175EX
Backbredd	mm	100	125	150	175
Spännvidd	mm	125	150	200	??
Spännndjup	mm	??	??	??	??
Vikt	kg	7.5	10.9	15.8	??
Vridplatta	20423	-1005	-1104	-1203	-1302
Rörbackar	20423	-1401	-1500	-1609	-1708

Centering vices



No 20876

Luna. Of casting. With ground and hardened steel splines recessed in the jaws. A reversible support block, which consists of a third gripping jaw, has V-grooves of different widths. An adjustable stop enables the same settings for series work. Base plate for both horizontal and vertical clamping.

Art. no.	20876	-0108
Jaw width	mm	100
Clamping diameter	mm	10-63
Large base plate dim.	mm	205×220
Small base plate dim.	mm	205×135
c-c mounting slots	mm	165
Net weight	kg	19
Gross weight	kg	22.5

Workshop presses
Manual



No 20711

Luna. Floor press. Suitable for repair and maintenance workshops. The press unit is equipped with an adjustment screw to be able to reach the work material more rapidly.

Supplied med combined flat and V-block (2) and pressure gauge.

20711-0107 MW B15H with 1-stage hand pump.

20711-0206 MW 30FH with 2-stage hand pump.

20711-0305 MW 50FH with 2-stage hand pump, table lift and moving head.

20711-0404 MW 50HP with hand operated compressed air and hand pump, table lift and moving head.

Accessories: Punch set including (1 punch head and die holder), punches \varnothing mm 12, 16, 18, 20, 22, 25, 30.

Art. no.	20711	-0107	-0206	-0305	-0404
Luna.	No	MW 15BH	MW 30FH	MW 50FH	MW 50HP
Design.		Bench	Floor	Floor	Floor
Compression pressure.	kN	150	300	500	500
Compression pressure.	metric tons	15	30	50	50
Stroke length.	mm	95	120	120	120
Adjustment screw, max. length.	mm	75	75	75	75
Max. stroke length incl. adjustment screw.	mm	170	195	195	195
Press head laterally adjustable.	mm	-	-	250	250
Max. distance compression unit - bench.	mm	450	630	615	615
Min. distance compression unit - bench.	mm	150	180	165	165
Inner width.	mm	500	550	710	710
Frame width, inside dimension.	mm	120	120	145	145
Overall height.	mm	940	1750	1810	1810
Total width.	mm	605	670	880	880
Weight.	kg	77	137	239	245
Set of punches.	20534	-1001	-1100	-1100	-1100
Gasket kit.	20534	-1209	-1308	-	-



No 20811

Hydraulic jacks

Garage jacks

Luna. An extremely easy operated low profile jack. High performance swivelling wheels of plastic. Developed for professional workshop applications. Equipped with a security valve to prevent overloading, quick foot pump function and a screw and nut cup. Lowering of the jack arm is done by means of the pump arm by pulling it up and turn it clockwise. The relieve pressure secure a slow and safety lowering of the load. The pump arm handle is angled for maximum comfort and covered with rubber grips. All parts under pressure are hardened.

Art. no.	20811	-0106
Max. load	ton	2
Hydraulic lifting height	mm	390
Max. saddle height	mm	465
Min. saddle height	mm	75
Body height	mm	135
Overall length	mm	880
Weight	kg	32.5

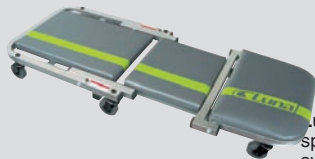


No 20454

Creepers

Luna. Creeper of durable plastic. Light model with handle grip for easy transportation. Comfortable filled pillow. Arched surface for comfortable lie position. With six ball bearing swivelling wheels. Equipped with compartments for screws and nuts on both left and right side.

Art. no.	20454	-0108
Length x width	mm	1005x475
Height of creeper - lowest/highest point	mm	50/115
Wheel diameter	mm	75
Max. load	kg	130
Weight	kg	4.8
Tillbehör		
Hjul 75 mm	20545	-2005



No 20786



Adjusted to a chair

Luna. Folding model. Can easily be adjusted into a transportable wheel chair. Takes less space in workshop. Comfortable filled cushions. Steel frame. With seven ball bearing swivelling wheels.

Art. no.	20786	-0107
Length x width	mm	1020x400
Height of creeper	mm	105
Height of chair	mm	470
Wheel diameter	mm	60
Max. load	kg	110
Weight	kg	6.7
Tillbehör		
Hjul 50 mm	20786	-2004
Hjul 60 mm	20786	-2103



No 20795

Head light - LED

Luna. Impact resistant head lamp with three light positions and adjustable angle for direct local lighting. Elastic adjustable head band. Supplied without batteries. Gives off a sharp and continuous light. Work with the head lamp leaves the hands free.

Art. no.	20795	-0106
Batteries	type	AAA
No. of batteries	ea	3

Battery chargers

Electronic safe



20420-0109



20420-0307

Luna. The smartest and most energy efficient battery charger in the world with functions for all lead batteries and application areas. With integrated battery tester and lighting. "Boosting" function for rapid charging of batteries with a low voltage. Non-sparking, protected against incorrect connection and short-circuit proof. Battery clamps are rounded and thus avoid becoming tangled with cables. For outdoor use. Fully automatic and gentle on the batteries, irrespective of the input voltage. Electronic safe, i.e. can be connected without the need of disconnecting the battery from the vehicle.

Type SMALL - Program for MC, cars/boats and winter use. Equivalent in capacity to an approx. 10 A traditional charger. Patent pending method for desulphating. Quick connect couplings.

Type MEDIUM - Can be used as a power unit, e.g. when replacing batteries. Booster function to restore deep discharged batteries. Equivalent in capacity to an approx. 20 A traditional charger.

Type LARGE - The charger automatically adjusts the charge to the battery temperature. Has integrated function to analyse the battery status. Maintenance charging combined in a unique way meets the battery's requirement of a high capacity and long life.

Type XL-C - Can charge small batteries 40 amp Ah for large tractor batteries.

Type XL-P - Can charge small batteries. Optimal maintenance charger for seasonal vehicles with batteries up to 100 Ah.

Art. no.	20420	-0109	-0208	-0307
Luna	type	SMALL	MEDIUM	LARGE
For batteries	V	12	12	12
For battery type		Wet, MF, GEL, AGM	Wet, MF, GEL, AGM	Wet, MF, GEL, AGM
Charge curve		7-step with pulse maintenance	7-step with pulse maintenance	7-step with pulse maintenance
Battery capacity at 12 V	Ah	3-80	20-160	40-300
Battery capacity with maintenance charging	Ah	80	160	300
Charging current at 12 V	A	1/4	8	15
Ambient temperature	C°	-25/+40	-25/+40	-25/+40
Protection class		IP 65	IP 65	IP 44
Mains voltage	V	230+/-10%	230+/-10%	230+/-10%
Mains voltage cable	m	2.8	2.8	2.8
Dimension LxWxH	mm	146x89x52	200x118x70	200x118x70
Weight	kg	0.5	0.9	0.9
Art. no.	20420	-0406	-0505	
Luna	type	XL-C	XL-P	
For batteries	V	12/24	12/24	
For battery type		Wet, MF, GEL, AGM	Wet, MF, GEL, AGM	
Charge curve		7-step with pulse maintenance	7-step with pulse maintenance	
Battery capacity at 12 V	Ah	90-600	3-600	
Battery capacity with maintenance charging	Ah	600	600	
Charging current at 12 V	A	30/15	30/15	
Ambient temperature	C°	-25/+40	-10/+40	
Protection class		IP 44	IP 44	
Mains voltage	V	230+/-10%	230+/-10%	
Mains voltage cable	m	2.8	2.8	
Dimension LxWxH	mm	230x118x70	230x118x70	
Weight	kg	1.4	1.4	



No 20667

Battery chargers

Electronic safe

Luna. Electronic - for continuous charging that reduces the charging current and automatically increases the charge again when the battery level falls. With sheet steel chassis. Easy to read amperemeter which shows the charging current. Equipped with change-over button for charging open or closed batteries as well as overload protection that trips when overloaded and with short-circuits resulting from incorrectly connected battery clamps. Electronic charger required for charging maintenance-free (sealed) batteries.

Art. no.	20667	-0309
Luna	No	EBC16 E
For batteries	V	12/24
Battery capacity at 12 V.....	Ah	40-150
Charging current max. at 12 V setting	A	15
Charging current cont. op, average	A	10
Charging current max. at 24 V setting	A	7.5
Charging current cont. op, average	A	5
Output	W	180
Charging cables	m/mm ²	1.4/1.5
Main voltage	V	230
Main voltage cable	m	1.8
Dimension LxWxH	mm	265x180x140
Weight	kg	5.3
Ditto for UK	20667	-6207



Picture shows EBC10 ES



Picture shows EBC25 ES

Luna. These electronic chargers can be used to charge batteries in today's modern cars without the risk of disabling electronic components. The battery clamps are connected directly to the battery terminals and chassis without the need for switching or disconnecting the battery. For continuous charging that reduces the charging current and automatically increases the charge again when the battery level falls. With chassis of stainless steel plate. Easily read ammeter that indicates the charging current. Equipped with change-over button for charging open or closed batteries as well as miniature circuit-breaker that trips when overloaded and with short-circuits resulting from incorrectly connected battery clamps. Switchable for high and low charging. Equipped with carrying handle.

Electronic charger required for charging maintenance-free (sealed) batteries.

Art. no.	20669	-0109	-0307
Luna	No	EBC10 ES	EBC25 ES
For batteries	V	12	12/24
Battery capacity at 12 V.....	Ah	35-100	60-200
Charging current max. at 12 V setting	A	10.5	20
Charging current cont. op, average	A	7	15
Charging current max. at 24 V setting	A	-	10
Charging current cont. op, average	A	-	7.5
Output	W	120	240
Charging cables	m/mm ²	1.4/1.5	1.4/1.5
Mains voltage	V	230	230
Mains voltage cable	m	1.8	1.8
Dimension LxWxH	mm	210x190x130	285x210x170
Weight	kg	3.2	7.4
Ditto for UK	20669	-6007	-6205

Battery chargers

With booster

Luna. Combined booster and battery charger. Intended for passenger cars, trucks etc. With steel plate chassis. Easy to read ampere meter which shows the charging current. Equipped with automatic miniature circuit breaker that trips with an overload and short circuiting caused by e.g. incorrect connection of the battery clamps. Fitted with carrying handle. Supplied complete with charging/starter cables.

Luna EBCB190. Change-over switch for high/low charge - two positions + booster.

Luna EBCB480. Change-over switch for high/low charge - six positions + booster, and 12 V and 24 V charging.

Art. no.	20655	-0105	-0204
Luna	No	EBCB190	EBCB480
For batteries	V	12	12/24
Battery capacity at 12 V	Ah	50-80	40-250
Starting current max.	A	190	450
Charging current max. 12 V /low setting)	A	22	35
Charging current cont. op, average	A	18	30
Charging current max. 24 V /low setting)	A	-	16
Charging current cont. op, average	A	-	9
Quick charge max. (12 V/high setting)	A	45	50
Quick charge medium	A	30	40
Quick charge max. (24 V/high setting)	A	-	30
Quick charge medium	A	-	20
Output	W	300	950
Fuse (inert)	A	10	10
Charging/starter cables	m/mm ²	1.6/10	1.9/16
Mains voltage	V	230	230
Mains voltage cable	m	2.5	2.5
Dimension LxWxH	mm	260x260x200	260x260x400
Weight	kg	13.5	20.5
 Ditto for UK	20655	-6001	-6100



Picture shows EBCB190



Picture shows EBCB480

Workshop

Luna. Combined booster and battery charger. Intended for medium size and large cars, trucks, etc. With steel plate chassis. Easy to read amperemeter which shows the charging current. Equipped with miniature circuit breaker that trips with an overload and short-circuiting caused by, e.g. wrong connection of the battery clamps and equipped with a timer for charging up to 2 hours. Change-over switch for high/low charge - five positions + booster. Fitted with transport wheels and draw handle. Supplied complete with charging/starter cables.

Art. no.	20670	-0106
Luna	No	EBCB400
For batteries	V	12/24
Battery capacity at 12 V	Ah	40-400
Starting current max.	A	400
Charging current max. 12 V /low setting)	A	45
Charging current cont. op, average	A	30
Charging current max. 24 V /low setting)	A	21
Charging current cont. op, average	A	15
Quick charge max. (12 V/high setting)	A	85
Quick charge medium	A	60
Quick charge max. (24 V/high setting)	A	42
Quick charge medium	A	30
Timer	min	120
Output	W	3200
Fuse (inert)	A	16
Charging cables	m/mm ²	2.7/16
Supply voltage	V	230
Supply cable length	m	4
Dimension LxWxH	mm	240x360x590
Weight	kg	24
 Ditto for UK	20670	-6004



No 20670



No 20671

Battery chargers

With booster

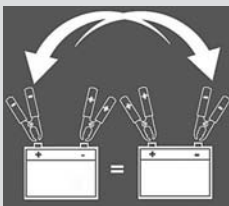
Electronic safe

Luna. This electronic charger can be used to charge batteries or as a booster in today's modern cars without the risk of disabling electronic components. Intended primarily for medium-sized and large passenger cars. The battery clamps are connected directly to the battery's positive pole and the chassis without the need of reconnecting or removing the battery. For continuous charging that reduces the charging current with a fully charging battery and automatically increases the charge again when the battery capacity drops. With chassis of stainless steel plate. Easy to read ampere meter which shows the charging current. Equipped with automatic miniature circuit breaker that trips with an overload and short circuiting caused by e.g. incorrect connection of the battery clamps. Switch for high and low charging + start help. Fitted with transport wheels and draw handle. Supplied complete with charging and starter cables. Electronic charger required for charging maintenance-free (sealed) batteries.

Art. no.	20671	-0105
Luna	No	EBCB400ES
For batteries	V	12/24
Battery capacity at 12 V.	Ah	40-400
Starting current max.	A	400
Charging current cont. op, average	A	30
Charging current cont. op, average	A	15
Quick charge max. 12 V /high setting)	A	85
Quick charge max. 24 V /high setting)	A	42
Output.	W	3200
Fuse (inert)	A	16
Charger cables	m/mm ²	2.7/16
Mains voltage	V	230
Mains voltage cable	m	3.4
Dimension LxWxH	mm	810x290x270
Weight	kg	24
Ditto for UK	20671	-6003



No 20809



Boosters

Luna. Practical cordless starter help for 12 V batteries for e.g. cars, boats, etc. **The starter help is protected against incorrect plus/minus connections.** Both battery clamps can be connected to either the plus or minus terminals with start of the vehicle. Without the risk of sparking or that the battery is destroyed.

The booster requires at least 2.5 V counter current from the vehicle's battery. Can also be used with a DC to AC converter (not included) to produce 110-120V amperage for small AC equipment. Equipped with heavy-duty 4GA booster cables covered with PVC and heavy-duty F9 clamps, charging indicator, diodes for charging and full charge, plus 12V DC power outlet and a DC charging outlet. Designed with a tough compact closed lead battery for 12V/22Ah. Can be used for 20-30 starts in a row under normal conditions with each charge. For open and closed batteries. Intended for professional users. Supplied as standard with a 500 mA adapter for charging the starter help.

Art. no.	20809	-0100
Luna	No	EBS12V
For batteries	V	12
Requires counter current	V	2.5
Min. - Max. start current/Peak current	A	400/1000
Battery clamps	A	400
Starting cables, length	mm	1200
Mains voltage	V	230
Mains voltage cable	m	1.8
Cigarette lighter outlet 12 V DC	A	15
12V DC cable	m	1.3
Dimension LxWxH	mm	340x110x360
Weight	kg	9.5
Charger	20809	-1009
Booster for UK	20809	-6008
Charger for UK	20809	-6107

Boosters

Luna. A practical booster for 12 and 24 volt batteries for cars, boats, trucks etc. **The booster is protected against incorrect plus/minus connection.** An alarm function is activated if the battery terminals have been incorrectly connected. There is no risk of sparks occurring or damage to the battery. DC power outlet: 12V DC/15A with automatic overload protection. Designed with 2 x 12V/22Ah sealed lead batteries. Can be used for 20-30 starts in a row under normal conditions with each charge. With built-in LED lighting to facilitate working in dark conditions and a colour-coded voltmeter for checking the booster's own batteries. For open and closed batteries. For professional use. Equipped with heavy-duty 1GA (32.5 mm²) booster cables covered with PVC, and heavy-duty F9 clamps, diodes for charging and full charge, plus 12V DC power outlet. Supplied as standard with a 500 mA adapter for charging the booster.



No 20419

Art. no.	20419	-0102
Luna	No	EBB12/24V
For batteries	V	12 / 24
12V: Min. - Max. Start current/ Peak current	A	1000 / 2000
24V: Min. Max. Start current/Peak current	A	500 / 1000
Battery clamps	A	400
Starting cables, length	mm	1650
Mains voltage	V	230
Mains voltage cable	m	1.8
Cigarette lighter outlet 12V DC	A	15
12V DC cable	m	1.3
Dimension LxWxH	mm	455x280x430
Weight	kg	20

Voltage tester

Luna. Small and compact battery tester for checking the condition of the battery and the charging voltage of the generator.



No 20729

Art. no.	20729	-0107
Luna	No	100A
Voltage range	V	6-12
Max. current load	A	100
Test cables length	m	0.5
Dimension LxWxH	mm	105x60x255
Weight	kg	1.7

Generating sets

Petrol driven

Luna. Robust construction with a frame that protects the motor and generator. Suitable as a backup supply with temporary power requirements. Equipped with 2 x 1-phase 230 V and 1 x 12 V outlet, MCB. Oil guard. (Engine oil not included.)



20180-0109



20180-0208

Art. no.	20180	-0109	-0208
Luna	No	MG 1500	MG 2700
Generator AC 50 Hz		Synchronous	Synchronous
Max. output 230 volt 1-phase	kVA	1.5	2.8
Max. output 230 volt 1-phase	kW	1.2	2.3
Max. output 12 volt	kW	0.1	0.1
Protection class		IP 23	IP 23
Petrol motor		Luna OHV	Luna OHV
Shaft power	kW (hp)	2.2 (3)	3.9 (5.4)
No of cylinders	ea	1	1
Cooling		Air	Air
Starter		Magnapull	Magnapull
Tank volume	l	5.5	12
Run time/tank (at 60% load)	hours	6	11
Sound power level LWA	dB (A)	96	95
Sound level LpA (at 7 m)	dB (A)	69	67
Dimensions LxWxH	mm	460x380x390	570x430x480
Weight	kg	29.5	44.5



Illustration shows EH3.3



Illustration shows EH9

Heaters

Luna. Portable hot air fans. Suitable for application in e.g. automobile, construction and service sectors. For heating small and medium size premises, garages, workshops, leisure homes, etc. Adjustable for full or half output. Thermostat for constant desired heat setting between 10-30° C. Automatic overheating protection with manual or automatic reset.

Manufactured of robust enamelled steel plate with sturdy safety insulated carrying handles. Designed and approved according to applicable CE directives. Enclosure protection class IP 44.

Art. no.....	20663	-0105	-0204	-0303	-0402	-0501	-0600
Luna	No	EH2	EH3.3	EH5	EH9	EH15	EH22
Output max.....	kW	2	3.3	5	9	15	22
Power stage	kW	1.0/2.0	1.65/3.3	2.5/5	3/6/9	7.5/15	8/16/22
Air flow	m ³ /h	300	400	400	300	800/1300	1800/2400
Sound level	dB (A)	47	54	54	63	59	60
Supply voltage	V	230 1-phase	230 1-phase	400 3-phase	400 3-phase	400 3-phase	400 3-phase
Motor output	W	40	40	60	115	115	152
Fan		Stop	Does not stop	Does not stop	Does not stop	Does not stop	Does not stop
Fuse (inert) 1-phase.	A	10	16	-	-	-	-
Fuse (inert) 3-phase.	A	-	-	16	16	32	32
Amperage max.....	A	8.7	14.3	7.2	10.0	21.6	33
Dimension LxWxH ..	mm	230x200x330	250x250x420	250x250x420	330x380x590	310x380x520	350x430x620
Weight	kg	5	7.5	8	10	15.5	24
Ditto Norway	20663	-	-	-5005	-5104	-	-
Power stage	kW	-	-	2.5/5	4.5/9	-	-
Supply voltage	V	-	-	230 3-phase	230 3-phase	-	-
Ditto for UK	20663	-6003	-6102	-	-	-	-
Supply voltage	V	230 1-phase 50 Hz	230 1-phase 50 Hz	-	-	-	-



No 20664

Luna. A portable 3-phase heater fan. Versatile and easy to handle design in stainless steel. The steel frame can be dismantled and replaced with a suspension bracket. Suitable for workplaces such as barns, sawmills, construction sites, etc. where IP54 is a requirement. Thermostat controlled. Automatic overheating protection with automatic reset. The fan is available in a 9 kW design with three output stages as well as on/off and fan function without heating.

Supplied with 3 metre cable. Suspension bracket not included as standard.

Art. no.....	20664	-0104
Luna	No	EHF9
Output power	kW	9
Power stages (3)	kW	3/6/9
Air flow	m ³ /h	900
Sound level	dB (A)	60
Supply voltage	V	400 3-phase
Fan		Stop
Fuse (inert)	A	16
Amperage max.	A	14.5
Protection class		IP54
Dimension LxWxH	mm	670x450x600
Weight	kg	15
Ditto for Norway	20664	-5004
Supply voltage	V	230V 3-phase
Suspension bracket	20664	-0302

Jack oil

Luna. JACKOIL 10

Application area.

A mineral oil based hydraulic and machine oil. The product is also suitable for lubrication of bearings, regulators, gear wheels and is ideal for use as general circulation and machine lubrication where an oil with a thin viscosity is the optimal selection.

The oil satisfies the most stringent requirements for filterability of hydraulic manufacturers.

Characteristics. Jack oil has a naturally high viscosity index. The oil slope has good wear protection, and protects against rust and corrosion. The rapid air separation prevents foaming

Advantages. Oil 10 is zinc free to reduce the load on the outer and inner environment.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15540	-0104	-0203
Type.	No	JACKOIL10-1L	JACKOIL 10-3L
Contents		1 l	3 l
Pack.		Can	Can



No 15540

Electric generator oil

Luna. GENOIL 10W/40

Application area.

Recommended as uniform oil for all types of petrol and diesel engines, which drive electric generators where the manufacturer of the electric generator prescribes standards and viscosity that are suitable for use in hot and cold climates. Luna Electric Generator 10W/40 is very viscosity stable. The quality of the base oil together with carefully selected additives contribute to prevent carbon formation.

Characteristics. Electric generator oil is mineral oil based engine oil with carefully selected additives for the best function. The base oil and the used additives contribute towards maintaining the lubrication characteristics even during tough operations.

Advantages. The electric generator oil promotes easy starting and good lubrication in the cold and is a very good mineral oil based engine oil with specially high specifications.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15539	-0107	-0206
Type.	No	GENOIL10W/40-1L	GENOIL10W/40-3L
Contents ...		1 l	3 l
Pack.		Can	Can



No 15539

Hydraulic oil

Luna. HYDOIL XLT

Application area.

The oil has been developed and designed for the Scandinavian climate and is recommended as an all-round oil. The oil has a broad application area and can be used in numerous precision demanding applications within industry, contract work and marine applications. The oil has a high viscosity index at the temperature range from -40°C up to +90°C.

Characteristics. The hydraulic oil is based on highly refined mineral oil. The wear protection additive is zinc-free and gives excellent wear protection. The hydraulic oil's special low temperature characteristics and high viscosity index permit the hydraulic system to start in the extreme cold and give assured running in varying operating temperatures. The oil permits disturbance free operations from as low oil temperatures as -40°C up to +90°C, depending on the working pressure (see the under handling advice level 1). Using the hydraulic oil the hydraulic system receives excellent protection against corrosion.

Advantages. The hydraulic oil has good functionality within in a very broad temperature range. The product contains zinc-free additives, which reduce environmental impact. The oil has a broad application area and can be used for numerous precision demanding applications.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15541	-0103	-0202
Type.	No	HYDOIL XLT-5l	HYDOIL XLT-10L
Contents	litre	5	10
Pack.		Can	Can



No 15541-0103



No 15542-0102

Hydraulic oil

Luna. HYDOIL 32 HVI

Application area.

Has been developed for use in hydraulics that work under exacting conditions. The oil has a large working temperature range and works extremely well in Scandinavian winter conditions and in warmer climates.

Characteristics. The hydraulic oil is based on highly refined mineral oil. The oil is ashless and with that eliminates filter related operating problems. It provides excellent wear protection, which gives long component life. The oil can be mixed with most hydraulic oils and conforms and surpasses standards and requirements prescribed by leading hydraulic manufacturers.

High viscosity index together with high shear stability and high oxidation stability means that oil has optimal viscosity in varying operating conditions during long periods. The oil prevents sludge formation in hydraulic systems and has very good ability to separate air and water, and has a good corrosion retardation effect.

Advantages. The hydraulic oil meets and exceeds the user's requirements on a highly advanced hydraulic oil for cutting edge hydraulics, which work under varying temperature conditions. Filter related problems are avoided when using the oil and operating reliability is good. The system service life increases which contributes towards extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15542	-0102	-0201
Type	No	HYDOIL 32 HVI-5L	HYDOIL 32 HVI-10L
Contents		5 l	10 l
Pack.		Can	Can



No 15543-0101

Luna. HYDOIL 46 HVI

Application area.

Has been developed for use in hydraulics that work under exacting conditions. The oil has a large working temperature range and works extremely well in Scandinavian winter conditions and in warmer climates.

Characteristics. The hydraulic oil is based on highly refined mineral oil. The oil is ashless and with that eliminates filter related operating problems. It provides excellent wear protection, which gives long component life. The product can be mixed with most hydraulic oils and conforms and surpasses standards and requirements prescribed by leading hydraulic manufacturers.

High viscosity index together with high shear stability and high oxidation stability means that oil has optimal viscosity in varying operating conditions during long periods. The oil prevents sludge formation in hydraulic systems and has very good ability to separate air and water, and has a good corrosion retardation effect.

Advantages. Modern hydraulic systems place high demands on the hydraulic oil. The oil meets and exceeds the user's requirements on a highly advanced hydraulic oil for cutting edge hydraulics, which work under varying temperature conditions. Filter related problems are avoided when using the oil and operating reliability is good. The system service life increases which contributes towards extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15543	-0101	-0200
Type	No	HYDOIL46 HVI-5L	HYDOIL46 HVI-10L
Contents		5 l	10 l
Pack.		Can	Can



No 15544-0100

Luna. HYDOIL 46 BIO

Application area.

Is an environmentally adapted hydraulic oil, based on especially selected esters, for use in both mobile and stationary hydraulics.

Characteristics. The bio technical performance of the hydraulic oil is very good and in many cases better than equivalent mineral oil based hydraulic oil.

Advantages. Hydraulic oil bio is easily degradable and has a low toxicity. The primary characteristics of the base liquid are a high degree of saturation, high viscosity index and high biological degradability. This gives technical advantages in the form of very good oxidation stability, good low temperature characteristics and a high viscosity index.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15544	-0100	-0209
Type	No	HYDOIL 46 BIO-5L	HYDOIL 46 BIO-10L
Contents		5 l	10 l
Pack.		Can	Can

Compressor oil - synthetic

Luna. COMPOIL 46 S

Application area.

Recommended for screw, piston, sliding vane and rotation compressors, where the compressor manufacturer prescribes oils of this viscosity and type.

Characteristics. Synthetic compressor oil is a polyalphaolefin based compressor oil with a broad temperature range, which means the oil withstands both lower and higher operating temperatures than mineral based oils. This together with low evaporation, low carbon susceptibility, quick air separation and good compatibility with seals makes it possible to extend oil change intervals.

Advantages. The synthetic compressor oils works within a greater temperature range the conventional compressor oils. The product is very oxidation stable, has excellent wear retarding characteristics and good water and air separation characteristics. Its technical properties permit extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15533	-0103	-0202
Type.	No	COMPOIL 46 S1-1L	COMPOIL 46 S-5L
Contents ...		1 l	5 l
Pack.		Can	Can



No 15533

Compressor oil

Luna. COMPOIL SAE 30

Application area.

Recommended for all types of mobile and stationary piston-screw compressors where a straight single grade oil SAE 30 quality is prescribed. The oil has many application areas. This makes it suitable when you wish to replace a number of different products with a single product.

Characteristics. The compressor oil is a mineral oil based single grade engine oil with additives that prevent wear, corrosion and oxidation. The oil keeps the engine clean from deposits and residual deposits, which increases the engine's life and minimises the risk of lubricant related failure.

Advantages. The compressor oil is primarily designed for stationary and mobile engines and marine diesels used for coastal shipping, but can also be used with hydraulic systems, screw compressors, converters, etc where a single grade engine oil is prescribed.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no. ...	15532	-0104	-0203
Type.	No	COMPOIL SAE 30-1L	COMPOIL SAE 30-3L
Contents ...	litre	1	3
Pack.		Can	Can



No 15532

Luna. COMPOIL 100

Application area.

Recommended for all types of stationary reciprocating compressors. The oil is based on highly refined mineral oil with additives against oxidation, corrosion and foaming. The oil is viscosity stable and can, for example, be used beneficially with reciprocating compressors where straight oil with corresponding SAE 30 quality is prescribed.

Characteristics. Oil selection is decisive when it comes to assuring trouble-free operations on reciprocating compressors. Carbon deposits in reciprocating compressors can cause fires resulting in extensive damage. The compressor oil contains oxidation stable base oils, which together with carefully chosen additives give the oil its ability to counteract the build-up of carbon.

Advantages. The compressor oil is very oxidation stable and counteracts carbon build-up.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15534	-0102	-0201
Type.	No	COMPOIL-1L	COMPOIL-5L
Contents ...		1 l	5 l
Pack.		Can	Can



No 15534



No 15535-0101

Slide oil/Circulation oil

Luna. COMBIOIL 68

Application area.

Recommended for tool machines and other machines where sliding movement occurs. The oil can also be used for circulation lubrication of bearings and gears. The combi-oil is especially recommended for machines where the hydraulic system is integrated with other machine lubrication, and for hydraulic lifts and column lifts.

Characteristics. Combiol is based on light, highly refined paraffin base oils enhanced with selected additives. These additives give above all very good deemulsification properties. Stick-slip is also prevented. The oil has good thermal stability, gives good adhesion and counteracts wear and corrosion.

Advantages. One of the most important functions of a slide oil is that it is easily separated from water-based cutting fluids. This deemulgation property is especially good with combi-oils.

In addition, when lubricating tool machines it is important that the worktop slides smoothly without jerking, so that a high surface finish can be obtained on the finished material. Jerky movement, a.k.a. Stick-slip, occurs at low sliding speeds and high loads on the guides. The oil is developed to meet the demands that the workshop industry makes on good slide and circulation oil.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15535	-0101	-0200
Type	No	COMBIOIL-5L	COMBIOIL-10L
Contents		5 l	10 l
Pack.		Can	Can



No 15536-0100

Luna. COMBIOIL 68 BIO

Application area.

A vegetable based slide oil. Recommended for slides on tool machines where vegetable cutting oils are used. Should not be used on machines with cutting fluids mixed with water.

Characteristics. The combioil bio is a vegetable based slide and circulation oil. Designed for machines with a central lubrication system.

Advantages. Combi oil BIO contains components that prevent uneven or "jerky" movements, a.k.a. Stick slip. Combi oil BIO contains components that prevent uneven or "jerky" movements, a.k.a. Stick slip.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15536	-0100	-0209
Type	No	COMBIOIL 68 BIO-5L	COMBIOIL 68 BIO-10L
Contents ...		5 l	10 l
Pack.		Can	Can



No 15530

Air tool oil

Luna. AIRTOIL 15

Application area.

Is a white oil based on mineral oil without any additives. The oil can also be used as an air and mist lubrication oil for rotating tools where requirements on optimal cleanliness are made on the oil. The oil is refined for use e.g. as a softening agent within the chemical-engineering industry. The oil is odourless and does not discolour.

Characteristics. Within many fields of production there is a need of completely colourless mineral oils. They are used in applications where you wish to avoid discolouring the products, or where it is important that splashing from machines does not contaminate the completed product. The pneumatic tool oil offers good chemical and thermal stability.

Advantages. Pneumatic oil conforms to American requirements on white oil for the food industry

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Art. no.	15530	-0106	-0205
Luna.		AIRTOIL 15-1L	AIRTOIL 15-3L
Viscosity at 20°C ...	mm ² /s	34.0	34.0
Viscosity at 40°C ...	mm ² /s	15.0	15.0
Viscosity at 100°C ...	mm ² /s	3.4	3.4
Contents	litreNo master	1	3
Pack.	dnk	12	4

Air tool oil

Luna. AIRTOIL 22

Applications

Suitable as air and mist lubrication oil for rotating tools. Also recommended for industrial and some mobile hydraulic applications. The oil is recommended within the temperature range -25°C to +70°C.

Characteristics. The air tool oil is based on white oil, to meet demands on a good working environment. The product is sold as air and mist lubrication oil but is also suitable for modern, compact hydraulic systems where component parts require thin (ISO VG 22) oil with wear retarding characteristics. The oil also contains additives to counteract oxidation and foaming.

Advantages. Pneumatic tool oil gives an improved working environment and gives minimum wear to the lubrication system's components, compared with conventional air and mist lubrication oils.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15531	-0105	-0204	-0303
Type		AIRTOIL 22-1L	AIRTOIL 22-3L	AIRTOIL 22-5L
Contents		1 l	3 l	5 l
Pack.		Can	Can	Can



No 15531

Saw chain oil

Luna. SAWOIL

Application area.

Recommended for all-round-use for cross-cutting and cutting saws on felling machines and for chain saws. The product can be mixed with chain saw oils that contain mineral or rapeseed oil.

Characteristics. The saw chain oil is mineral oil based with good adhesion, film strength, creep ability and wear protection effect. This gives low oil-consumption and effective lubrication of the chain and bar. The oil's viscosity and adhesion ability together with low temperature characteristics make it suitable for all-year-round usage.

Advantages. The chain saw oil has good lubricant and adhesivity properties.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15545	-0109	-0208	-0307
Type	No	SAWOIL-1L	SAWOIL-5L	SAWOIL-10L
Contents		1 l	5 l	10 l
Pack.		Can	Can	Can



No 15545

Luna. SAWOIL BIO

Application area.

Is an environmentally adapted oil, based on highly refined vegetable oils, for use as an all-year-round lubricant for chains and bars on chain saws and felling machines.

Characteristics. The saw chain oil bio is an oil with good adhesion, film strength, creep ability and wear protection effect. This gives low oil-consumption and effective lubrication of the chain and bar. The oil's viscosity and adhesion ability together with low temperature characteristics make it suitable for all-year-round usage.

Advantages. Saw chain oil bio is 95 % biological degradable.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15546	-0108	-0207	-0306
Type	No	SAWOIL BIO-1L	SAWOIL BIO-5L	SAWOIL BIO-10L
Contents		1 l	5 l	10 l
Pack.		Can	Can	Can



No 15546



No 15537

Gearbox oil

Luna. GEAROIL EP 220

Application area.

Is a mineral oil based gearbox oil with EP booster. The oil is recommended for all types of industrial gearboxes and some mobile and marine equipment. The oil can withstand operating temperatures up to +80 °C without harmful oxidation products or deposits occurring.

Characteristics. The gearbox oil is a mineral based oil for heavily loaded gearboxes. It is intended for extreme load conditions under normal temperatures. The oil contains additives to counteract wear, rust, oxidation and foaming. The oil quickly separates water and air, and has good filtering qualities.

Advantages. The gearbox oil withstands heavy loads without wear to the gearbox components. The product has rapid air and water separation, and good filtering qualities. This gives high operating reliability.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.....	15537	-0109	-0208	-0307
Type	No	GEAROIL EP 220-3L	GEAROIL EP 220-5L	GEAROIL EP 220-10L
Contents.....	litre	3	5	10
Pack.....		Can	Can	Can



No 15538

Gearbox oil - synthetic

Luna. GEAROIL 220 S

Application area.

Recommended as a gear and worm gear oil. The oil is particularly recommended where operating temperatures can reach +130 °C in continuous operations.

Characteristics. Synthetic Gearbox oil a polyalphaolefin based high performance lubricant. The oil is primarily intended for extreme temperatures and load conditions. The oil can temporarily withstand temperature peaks up to +200 °C without harmful oxidation products or deposits occurring.

Advantages. Synthetic Gearbox oil withstands very high temperatures and loads without resulting in wear to system component. The oil can be fully mixed with mineral oil based products and creates the conditions for extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.....	15538	-0108	-0207	-0306
Type	No	GEAROIL 220 S-3L	GEAROIL 220 S-5L	GEAROIL 220 S-10L
Contents.....		3 l	5 l	10 l
Pack.....		Can	Can	Can

Universal spray

Luna. UNIOIL A + PTFE

Application area.

Is a high class multi purpose lubricant with good penetration and lubricant properties. The product can be used beneficially for plain bearings, chains, wires, locks, hinges, conveyors, sliding surfaces, wheels, fittings, guiding devices, runners, tools, fabric and sewing machines, printers and copying machines.

Characteristics. Multi purpose Teflon oil which is based on full synthetic oil. The combination synthetic oil and + PTFE (Teflon) contributes to strong characteristics for the product. These characteristics together with the fact the product is free of solvents means that it has a high environment and technical quality.

Advantages. Multi purpose Teflon oil is colourless, water repellent, and has excellent adhesion. The product can be easily applied as the aerosol bottle can also be used upside and down on application. Temperature range for the applied product is -60°C to max 250 °C.

All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no. . . .	14902	-0109	-0208
Type	No	UNIOIL A PTFE-85ML	UNIOIL A PTFE-520ML
Contents . . .	ml	85/65	520/400
Pack.		Aerosol	Aerosol



14902-0109



14902-0208

Rust remover

Luna. UNIRUST A MoS2

Application area.

Is a high grade penetrating rust remover. The product is developed to effectively remove rust on light to in some cases heavy machine elements in indoor and outdoor environments. The product removes rust, lubricates, drives out moisture and act as a light rust inhibitor.

Characteristics. Universal rust remover MoS2 is based on mineral oil and solvent with a high level of molybdenum disulphide as an additive. The product can ideally be used to loosen and lubricate rusted bolts, threads, wires, etc.

Advantages. All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

Handling advice Working temperature and storage of ready-mixed product aerosols, Max 50°C.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no. . . .	14904	-0107	-0206
Type	No	UNIRUST A MoS2-65ML	UNIRUST A MoS2-400ML
Contents . . .	ml	85/65	520/400
Pack.		Aerosol	Aerosol



14904-0107



14904-0206

Universal grease

Luna. UNIGRE ST 2

Application area. Is a multi purpose grease which is recommended for both smaller, lightly loaded and larger, heavily loaded plain and roller bearings and where a grease of the type lithium soap "EP 2" is prescribed. The product is recommended within the temperature range -30°C to +120°C suitable up to the entire speed range according to SKF's main catalogue.

Characteristics. The multi purpose grease is a mineral oil based grease thickened with lithium soap. The grease's good water resistance makes it suitable for wet bearing modules.

Advantages. The multi purpose grease has very good corrosion protection, good water resistance and good mechanical stability.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15556	-0105	-0204	-0303	-0402
Type	UNIGRE	ST 2-225 G	ST 2-400 G	ST 2-1KG	ST 2-18 KG
Contents . . .		225 g	400 g	1 kg	18 kg
Pack.		Tube	Cartridge	Tin	Bucket



15556-0204

Luna. UNIGRE EX 2.5

Application area. Recommended for vehicles and industrial use, for both smaller, lightly loaded and larger, heavily loaded plain and roller bearings.

Characteristics. Multi purpose grease is a lithium complex thickened grease based on mineral oil. The grease's good water resistance makes it suitable for wet internals. The product is a device grease that contains additives to counteract wear and corrosion. The grease also contains oxidation preventive additives for long usability at high temperatures.

Advantages. The product is a multi purpose grease for applications where the lubricant must withstand high temperatures and loads over long periods. The grease also has good water resistance.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



15558-0103

Packages:

Art. no.	15558	-0103	-0202
Type	UNIGRE	EX 2.5-400G	EX 2.5-18 KG
Contents		400 g	18 kg
Pack.		Cartridge	Bucket

Luna. UNIGRE EX 2 BIO

Application area. Recommended as a multi purpose grease within industry and civil engineering. It is suitable for most grease applications, e.g. the lubrication of small, lightly loaded as well as large, heavily loaded plain and roller bearings. Recommended within the temperature interval -30°C to +140°C.

Characteristics. Multi purpose grease bio is a lithium complex thickened multi purpose grease based on biologically degradable synthetic fibre esters. The grease contains additives that prevent wear, abrasion and corrosion. The grease has very good mechanical stability. The grease is developed to meet the increasing demands on environmentally and biologically degradable products.

Advantages. Multi purpose grease bio is an environmentally adapted grease with very good mechanical stability.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15557	-0104	-0203	-0302	-0401
Type	UNIGRE	EX 2 BIO	2 BIO	EX 2 BIO	EX 2 BIO
Contents		225 G	400 G	500 G	18 KG
Pack.		Tube	Cartridge	Tin	Bucket



15557-0203

Luna. UNIGRE SP 2

Application area. Recommended for lubrication of e.g. chassis, civil engineering, agricultural and forestry machines e.g. "harvesters", water pumps and the like. The grease has excellent water resistance and corrosion protection and very good adhesivity and mechanical stability properties. The grease is especially suitable when extended lubrication intervals are a practical necessity. The grease is also suitable for marine equipment in docks, deck equipment onboard ship where condensation and water are common.

Characteristics. The multi purpose grease is a long term grease for heavily loaded slide and roller bearings. The product is a water-free, calcium saponified grease of mineral oil base. Recommended within the temperature range -20°C to +120°C. Suitable up to 2/3 of the speed limit according to SKF's main catalogue.

Advantages. Multi purpose grease with excellent mechanical stability and water resistance. This means the product is ideally suited for extended lubrication intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.	15559	-0102	-0201	-0300	-0409
Type	UNIGRE	SP 2-225G	SP 2-400G	SP 2-1 KG	SP 2-18kg
Contents		225 g	400 g	1 kg	18 kg
Pack.		Tube	Cartridge	Tin	Bucket



15559-0201

318

Universal spray

Luna. UNIGRE A

Application area.

Is a lubricant for exacting lubrication applications. The grease can ideally be used for chains, hinges, joints, wires, gears, bearings, runners, locks, vibration sensitive applications, etc. The grease has good penetration and adhesive properties.

Characteristics.

Multi purpose grease is a transparent lubricant based on Vaseline and synthetic oil. Together with the product's other additives, the product becomes optimal as a lubricating grease in aerosols. The product has a high technical quality also in varying temperature conditions.

Advantages.

Multi purpose grease repels water, and has excellent adhesion qualities. The product can be easily applied as the aerosol bottle can also be used upside and down on application. Temperature range for the applied product is -40°C to max 210°C.

All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



14903-0108

14903-0207

Packages:

Art. no.	14903	-0108	-0207
Type	No	UNIGRE A-65ML	UNIGRE A-520ML
Contents	ml	85/65	520/400
Pack.		Aerosol	Aerosol

Luna. UNIDEGRE A

Application area.

Used to clean metal surfaces where it is important with a dry and clean surface before new lubricant such as grease and oil is applied. The product can also be used to quickly and effectively clean surfaces such as glass, rubber and plastic.

Characteristics.

Universal degreasing is a fast evaporating cleaning and degreasing agent. The product characteristics together with the high application pressure from the aerosol's valve facilitate effective cleaning in confined areas where grease, oil, resin, and tar residue is difficult to remove.

Advantages.

Universal degreaser equipped with a special valve that increases the force with a presided jet, which also facilitates mechanical cleaning. All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

Handling advice

Working temperature and storage of ready-mixed product aerosols, Max 50°C.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



14905-0106

14905-0205

Packages:

Art. no.	14905	-0106	-0205
Type	No	UNIDEGRE A-65ML	UNIDEGRE A-400ML
Contents	ml	85/65	520/460
Pack.		Aerosol	Aerosol

Thread and cutting paste

Luna. UNIPASTE BIO

Application area.

Is a vegetable semisolid grease with very good lubricating characteristics. The product is designed for metal working at low cutting speeds, e.g. tapping and drilling. The product can ideally be used as a threading paste for applications where you choose to use an environmental adapted options.

Handling advice

Thread & cutting paste bio is applied using a brush or by dipping drills and taps directly in the packaging.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



No 15555

Packages:

Art. no.	15555	-0106
Type	No	UNIPASTE BIO-500G
Contents	g	500
Pack.		Tin



Metal working fluid



No 15548

Cutting oil

Luna. CUTOIL BIO

Application area.

Is based on vegetable oils. The oil is used as a lubricant/coolant when grinding, honing, polishing and during cutting operations. The oil is suitable for grinding high speed steel, tool steel, tungsten carbide with grinding wheels manufactured of materials such as ceramics, boron nitride (CBN) and diamonds.

Advantages. Straight cutting oil bio can be used within the automotive industry when pressing aluminium and hot-dipped and electro galvanised sheet.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.....
Type.....
Contents.....
Pack.....

15548
No

-0106
Cutoil BIO-3L
3 l
Can

-0205
Cutoil BIO-5L
5 l
Can



No 15547

Luna. CUTOIL

Application area.

Recommended for general to difficult cutting work on automatic tool steel, low and high grade steel, aluminium and copper. Ideal application areas are e.g. slot-mortising, ejector drilling, gear processing and gear grinding.

Characteristics. Straight cutting oil is a chlorine and sulphur-free oil based on highly refined mineral oil.

The product contains additives that minimise the formation of oil mist.

The product contains additives of the type EP, which minimise tool wear and gives a high surface finish on processed parts. The viscosity is adapted so that the oil easily runs off parts and gives a good cooling effect.

Advantages. Straight Cutting oil with very good lubrication properties and a long life. The product gives minimal oil mist, which contributes towards a good working environment and the oil does not discolour copper and its alloys.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.....
Type.....
Contents.....
Pack.....

15547
No

-0107
CUTOIL-3L
3 l
Can

-0206
CUTOIL-5L
5 l
Can

Cutting fluid

Luna. CUTFLUID BIO

Applications

Is a water mixable, transparent cutting fluid bio of a micro emulsion type, based on vegetable oils, for use as a lubricant and coolant for general cutting operations, e.g. turning, milling, drilling, cutting, thread cutting, grinding of materials such as cast iron, steel, stainless steel, yellow metals and aluminium alloys.

Characteristics. The cutting fluid bio has enhanced microbiological protection.

Advantages. The cutting fluid bio has been developed to give an optimal working environment with a minimum of tool wear

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



No 15551

Packages:

Art. no.	15551	-0100	-0209
Type	No	CUTFLUID BIO-3L	CUTFLUID BIO-5L
Contents		3 l	5 l
Pack.		Can	Can

Luna. CUTFLUID

Applications

Is a water mixable, cutting fluid, designed for use in most types of general cutting and grinding operations on high and low alloy steel, aluminium and copper.

Characteristics. In cutting work on metals the cutting fluid is used to cool, lubricate and protect against rust. When you primarily prefer cooling you should use emulsions or solutions with water.

The cutting fluid is a bio-stabile, emulsifiable cutting oil based on highly-refined mineral oil with wear diminishing and film enhancing additives. The cutting fluid has a good capacity to separate leakage oil. Its high bio-stability gives a long life and with that lower destruction costs.

Advantages. The cutting fluid gives a stabile, lubricating emulsion with good corrosion protection and good capacity to separate leakage oil.

The safety data sheet can be downloaded from the Internet via (www.toolstore.com).



No 15550

Packages:

Art. no.	15550	-0101	-0200
Type	No	CUTFLUID-3L	CUTFLUID-5L
Contents		3 l	5 l
Pack.		Can	Can



Metal working fluid



No 15552

Metal working fluid

Luna. GRINDFLUID

Application area.

Primarily designed for grinding on most types of materials, but also for more basic cutting work. Metal-working fluid is a synthetic cutting fluid that gives a stabile, transparent solution. The product is low-foaming, has a low mist forming tendency and leaves no sticky residue. Luna Metal-working fluid has good corrosion protection properties down to 1 % concentration.

Characteristics. In cutting work on metals the grinding fluid is used to cool, lubricate and protect against rust. When you primarily prefer cooling you should use emulsions or solutions with water.

Advantages. Metal-working fluid has low-foaming properties and leaves no sticky residue.

The product gives very little mist, which improves the working environment.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.....	15552	-0109	-0208
Type	No	GRINDFLUID-3L	GRINDFLUID-5L
Contents		3 l	5 l
Pack.		Can	Can

Lubricants



No 15553

Luna. GRINDFLUID BIO

Application area.

Is a water mixable, transparent metal working fluid bio designed as a lubricant, coolant and rust inhibitor. Ideal for light cutting work where above all cooling and chip transport is required.

Characteristics. Grinding fluid BIO contains no protection for the deposit of heavy metals when processing hard metal.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packages:

Art. no.....	15553	-0108	-0207
Type	No	GRINDFLUID BIO-3L	GRINDFLUID BIO-5L
Contents		3 l	5 l
Pack.....		Can	Can

System cleaner

Luna. SYSTCLEAN 1

Application area.

Is a cleaner for systems with emulsions and water mixable cutting fluids. The product is used when the cutting fluid is to be changed. It is important to clean the cutting fluid system carefully before being filled with a new cutting fluid. This is so the new emulsion/solution has the longest possible life.

Advantages. System cleaner cleans the system effectively. The product breaks down fungi and bacteria and removes coatings.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



No 15554-0206

Packages:

Art. no.	15554	-0206
Type	No	SYSTCLEAN 1-5L
Contents		5 l
Pack.		Can

Inverter



No 20422

Luna. Inverter, suitable for repair and maintenance welding. The negligible weight of the machine makes it very portable. Adapted to be used together with TIG adapter.

Fitted with "Hot Start", "Anti Stick", "Arc Force", and "thermofuse" against overloading.

WI 2205 also equipped with Digital Ampermeter.

WI 1505/1705 supplied with 2.2 m mains cable with plug

WI 2205 are supplied with mains cable without plug.

NOTE! Supplied without welding cable and return cable, see accessories below.

(* When using a lower type of fuse the power outlet and length of welding period should be adjusted accordingly.)

Art. no.	20422	-0107	-0206	-0305
Luna.....	No	WI 1505	WI 1705	WI 2205
Supply voltage.....	V	230 1-phase	230 1-phase	400 3-phase
Max connected power.....	60% kVA	3	3.7	-
Max connected power.....	70% kVA	-	-	8.6
Fuse (time lag) 230V 1-phase.....	A	16*	16*	-
Fuse (time lag) 230V 3-phase.....	A	-	-	16
Fuse (time lag) 400V 3-phase.....	A	-	-	10
Insulation class.....		H	H	H
Protection class.....	IP	23	23	23
Control range.....	A	5-130	5-150	5-200
Max. load 100% duty cycle.....	A	-	-	160
70% duty cycle.....	A	-	-	200
60% duty cycle.....	A	100	120	-
40% duty cycle.....	A	130	150	-
Open circuit voltage, approx.....	V	80	80	80
Suitable electrodes.....	mm	1.6-3.25	1.6-3.25 (4)	1.6-5.0
Welding coupling.....	mm	9	9	13
Dimension LxWxH.....	mm	310x120x270	310x120x270	520x230x330
Weight.....	kg	5	5	9.5
Welding cable, complete	6814	-0102	-0102	-1001
Size mm ² /m.....		16/3	16/3	25/5
Return cable, complete	6814	-0201	-0201	-1100
Size mm ² /m.....		16/3	16/3	25/5

*) When using a lower fuse rating, the current output, size of electrode and the welding period should be adapted accordingly.

Gas welding machine
MIG/MAG semiautomatic



No 20421

Luna. MIG/MAG semi-automatic in compact version. Suitable for car work, sheet metal work, crafts, service and maintenance within industry, etc. Also suitable for welding outdoors, when it is not possible to weld with shielding gas, and when a flux-filled welding wire is used. The transformer can be reset to different voltage positions and is protected from "thermal overloading". "The wire feed is electronically controlled and stabilised", and has "automatic afterburning" to prevent burning the welding wire. Is also equipped with "timer for spot welding".
When welding aluminium the nozzle (one dimension larger than the wire), feed wheel, and wire guide (Teflon) should be replaced.

Supplied with 3 m long hose bundle with central connection, 1.7 m return cable with clamps and 3 m mains cable.

* When using a 10A slow burn fuse the power outlet and length of welding period should be adjusted accordingly.

Brochure on request.

Art. no.	20421	-0090	-0108	-0207
Luna	No	WM 1605 F	WM 1905 F	WM 2405 F
Input voltage	V	230	230/400	230/400
		1-phase	3-phase	3-phase
Installed power	60% kVA	2.7	3.2	5.9
Fuse (delayed) 230V 1-phase	A	16*	-	-
Fuse (delayed) 230V 3-phase	A	-	10	20
Fuse (delayed action) 400V 3-phase	A	-	6	16
Insulation class		H	H	H
Protection class	IP	22	22	22
Max. load 100% duty cycle	A	65	75	135
60% duty cycle	A	80	118	175
35% duty cycle	A	-	-	230
20% duty cycle	A	145	170	-
Current range	A	30-160	30-170	30-240
Voltage settings	ea	6	7	8
Open circuit voltage	approx. V	17-33	16.5-32.5	17-38
Wire dimension Fe	mm	0.6-0.8	0.6-0.8	0.6-1.0
Wire dimension Stainless steel	mm	0.8	0.8	0.8-1.0
Wire dimension Alu	mm	0.8-1.0	0.8-1.0	0.8-1.0
Wire dimension Flux cored wire	mm	0.8-1.2	0.8-1.2	0.8-1.2
Wire reel size	kg	5	5-15	5-15
Dimension CxøxN	mm	500x280x420	770x460x660	830x500x740
Weight	kg	33	48	75
Ditto for Norway	20421	-	-5008	-5107
Supply voltage	V	-	230 3-phase	230 3-phase
Fuse slow	A	-	16*	16*

Welding electrodes

For unalloyed steel

Description:

Luna R 40. Rutile electrode. Intended for general welding of non-alloyed steel. R 40 principally has excellent weld characteristics in vertical upwards and in overhead welding positions, but can also be used in all other welding positions. The electrode is easily ignited, burns with a soft and stable arc and gives smooth weld which is easy to clean. R 40 is suitable for general structural welding as well as repair and maintenance work.

Current type: AC/DC-. **Open circuit voltage:** OCV 50V.

Electrode class: EN ISO 2560 A:E 42 0 RC11 AWS A5. 1:E. 6013.

Mechanical characteristics:

Tensile yield limit: R_e : 420 - 510 N/mm².

Breaking point: R_m : 510 - 610 N/mm².

Extension: A_5 : >22%.

Impact strength: KV: 0°C ● >47J.



No 20592

Weld position



Art. no.	20592	-0101	-0200	-0309	-0408
Diameter	mm	2	2.5	3.2	4.0
Length	mm	300	350	350	350
Welding current	A	30-50	55-85	90-135	130-170
Weight per capsule	kg	1.0	2.8	2.9	2.5
Weight per carton	kg	-	14.0	14.5	12.5
Number of capsules per carton	ea.	-	5	5	5
Order point		1	14*	15*	13*

Description:

Luna R 43. Rutile electrode. Intended for general welding of non-alloyed steel. R 43 has primarily very good welding characteristics in vertical fillet joints and vertically up. Can be recommended when welding sheet steel as well as corners and fillet joints. The electrode is very easy welded, which makes it suitable for untrained users.

Current type: AC/DC-. **Open circuit voltage:-**

Electrode class: EN ISO 2560 A:E 42 0 RR12 AWS A5. 1:E. 6013.

Mechanical characteristics:

Tensile yield limit: R_e : 420 - 510 N/mm².

Breaking point: R_m : 510 - 610 N/mm².

Extension: A_5 : >22%.

Impact strength: KV: 0°C ● >47J.



No 20593

Weld position



Art. no.	20593	-0001	-0100	-0209	-0308	-0407	-0506
Diameter	mm	2	2	2.5	2.5	3.2	4.0
Length	mm	300	300	350	350	350	450
Welding current	A	-	50-70	65-90	65-90	100-140	140-180
Weight per capsule	kg	-	1.0	-	3.0	2.7	6.0
Weight per carton	kg	-	-	-	15.0	13.5	18.0
Number of capsules per carton	ea.	-	-	-	5	5	3
Order point		1	1	15*	15*	14*	18*



No 20594

Weld position



Welding electrodes

For unalloyed steel

Description:

Luna. R 44S. Rutile electrode. Intended for general welding of non-alloyed steel. R 44S welds in all positions and above all has very good characteristics in the vertical down position. R 44S is tolerant to varying surfaces and has excellent characteristics when bridging large joint openings. R 44S can be welded in different positions with unchanged current settings. R 44S can be welded in different positions with unchanged current settings.

Current type: AC/DC-. **Open circuit voltage:** -

Electrode class: EN ISO 2560 A:E 38 O RC 11 AWS A5.1:E 6012.

Mechanical characteristics:

Tensile yield limit: R_s : 470 N/mm²

Breaking point: R_m : 550 N/mm²

Extension: A_5 : >23%

Impact strength:KV: 0C° ● >56J

Art. no.	20594	-0109	-0208	-0307	-0406
Diameter	mm 2.5	2.5	3.2	4.0	
Length	mm 350	350	350	350	
Welding current	A 70-90	70-90	95-130	130-170	
Weight per capsule	kg -	2.8	2.7	2.7	
Weight per carton	kg -	14.0	13.5	13.5	
Number of capsules per carton	ea. -	5	5	5	
Order point		5	14*	14*	14*



No 20595

Weld position



Description:

Luna. R 47D. Rutile-basic low hydrogen electrode. Intended for welding non-alloyed and manganese alloy steel in all positions except vertically down. The design of the electrode utilises the rutile characteristics and the basic characteristics with regard to strength and the hydrogen content in one and the same electrode. The very good welding characteristics of the electrode also make it very suitable for repair and maintenance work in demanding environments.

Current type: AC/DC-. **Open circuit voltage:** -

Electrode class: EN ISO 2560 A:E 42 2B 12 H 10 AWS A5.1. E7016.

Mechanical characteristics:

Tensile yield limit: R_s : 420 N/mm²

Breaking point: R_m : 510-670 N/mm²

Extension: A_5 : >22%

Impact strength:KV: -20°C ● >47J

Art. no.	20595	-0108	-0207	-0306	-0405
Diameter	mm 2.5	3.2	4.0	5.0	
Length	mm 350	350	450	450	
Welding current	A 60-90	80-140	140-140	190-250	
Weight per capsule	kg 2.5	2.5	5.5	5.5	
Weight per carton	kg 12.5	12.5	16.5	16.5	
Number of capsules per carton	ea. 5	5	3	3	
Order point		13*	13*	17*	17*

Welding electrodes

For unalloyed steel

Description:

Luna. R 48S Basic electrode. Intended for welding non-alloyed, manganese and microalloyed steel. The excellent welding characteristics of the electrode make it a true all round electrode ideal for advanced production welding, pipe welding, assembly welding and repair and maintenance welding. R 48S is manufactured with low moisture absorption, which further guarantees a secure welded joint. An electrode for the demanding professional as well as the untrained hand.

Current type: AC/DC+ **Open circuit voltage:-**

Electrode class: EN ISO 2560-A:E 46 4 B 42 H5 AWS A5.1:E 7018-1 H4R.

Mechanical characteristics:

Tensile yield limit: R_g : 470 N/mm²

Ultimate tensile strength: R_m : 570 N/mm²

Extension: A_5 : >27%

Impact strength: KV: -40°C ● 103.



No 20596

Weld position



Art. no.	20596	-0008	-0107	-0206	-0305	-0404	-0503
Diameter	mm	2.0	2.0	2.5	2.5	3.2	4.0
Length	mm	300	300	350	350	450	450
Welding current	A	50-80	50-80	80-110	80-110	95-150	125-210
Weight per capsule	kg	1.0	1.0	-	2.5	5.7	6.0
Weight per carton	kg	-	-	-	12.5	17.1	18.0
Number of capsules per carton	ea.	-	-	-	5.0	3.0	3.0
Order point		5	1	5	13*	17*	18*

Description:

Luna. RH 160 Rutile high exchange electrode with 160% metal exchange. Intended for highly productive welding on heavy structures in general structural steel. RH 160 is primarily designed for welding in vertical and horizontal fillet welds and horizontal butt joints. RH 160 is a quick welding electrode and gives a smooth weld top side with a fine transition to the parent material and has a self-releasing slag.

Current type: AC/DC-. **Open circuit voltage:-**

Electrode class: EN ISO 2560-A:E 42 0 RR 73 AWS A5.1:E7024.

Mechanical characteristics:

Tensile yield limit: R_g : 450 N/mm²

Ultimate tensile strength: R_m : 570 N/mm²

Extension: A_5 : A_5 : >26%

Impact strength: KV: KV: 0°C ● 70J



No 20598

Weld position



Art. no.	20598	-0105	-0204
Diameter	mm	3.2	4
Length	mm	450	450
Welding current	A	130-160	180-220
Weight per capsule	kg	5.6	6.3
Weight per carton	kg	16.8	18.9
Number of capsules per carton	ea.	3	3
Order point		17*	19*

Welding electrodes

For stainless steel



No 20461

Weld position



Description:

Luna. Multirod High alloy rutile basic electrode that welds in all welding positions, except vertical downwards. The electrode is produced as a solution for many applications. Using Multirod you can weld mixed joints and stainless steel AISI 304 - 316. The electrode welds in all welding positions except for vertical down. Excellent weld properties and self-release slag guarantees a first class finish. In addition to mixed joints and stainless material, the electrode can also be used for welding buffer layers for hard-surfacing, difficult to weld steel and general structural steel.

Supplied in robust plastic sleeves 0.5 kg/sleeve.

Current type: AC/DC+

Electrode class: -

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 580 N/mm².
 Ultimate tensile strength: R_m : 700 N/mm².
 Extension: A_5 : >30%
 Impact strength: KV: -60°C ● 45J.

Art. no.	20461	-0109	-0208
Diameter	mm	2.5	2.5
Length	mm	350	350
Welding current	A	40-80	40-80
Weight/sleeve	kg	-	1.0
Order point		5	1



No 20599

Weld position



Description:

Luna. RI 308L Rutile-based all current electrode for welding low carbon austenitic stainless steel with 18 % Cr and 10 % Ni, type SS 2331 or the like. Welds in all positions except vertical downwards. RI 308L has excellent weld characteristics, burns with an balanced arc and the slag is easy to remove. The electrode can be used to weld Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

Current type: AC/DC+/-.

Electrode class: EN 1600 :E 19 9 LR 12 AWS A5.4 E 308L-17.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 440 N/mm².
 Ultimate tensile strength: R_m : 600 N/mm².
 Extension: A_5 : >45%
 Impact strength: KV: -20°C ● 60J.

Art. no. - socket	20599	-0401	-0203	-0302
Diameter	mm	2.0	2.5	3.2
Length	mm	300	350	350
Welding current	A	35-50	48-80	80-115
Weight per capsule	kg	1	2.7	2.7
Order point		1	3*	3*
Art. no. ditto - carton	20599	-	-0500	-0609
Weight per carton	kg	-	13.5	13.5
Number of capsules per carton	ea.	-	5	5
Order point		-	14*	14*

Welding electrodes

For stainless steel

Description:

Luna. RI 309MoL Rutile basic over-alloyed all current electrode for surfacing and welding unalloyed and low alloy steel to stainless steel. Welds in all positions except vertical downwards. RI 309Mo has excellent weld characteristics, burns with a balanced arc, minimal spatter and the slag is easy to remove.

Current type: AC/DC+.

Electrode class: EN 1600 :E 23 12 2 LR 32 AWS A5.4 E 309Mo-16

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 580 N/mm²

Ultimate tensile strength: R_m : 700 N/mm²

Extension: A_5 : 30%

Impact strength: KV: A_5 : 30%



No 20602

Weld position



Art. no. - socket	20602	-0109	-0208	-0307
Diameter	mm	2.5	3.2	4.0
Length	mm	350	350	350
Welding current	A	40-80	60-80	80-150
Weight per capsule	kg	2.6	2.7	2.7
Order point		3*	3*	3*

Art. no. - ditto cardboard	20602	-0406	-0505	-0604
Weight per carton	kg	13.0	13.5	13.5
Number of capsules per carton	ea.	5	5	5
Order point		13*	14*	14*

Description:

Luna. RI 310 Basic electrode for all position welding except vertical downwards. Fully austenitic weld deposit with high content of Cr and Ni intended for high service temperatures. Resistant to oxidation and scaling up to 1100°C. ^aAvoid working temperatures between 650-850C. Welds best with DC.

Welded with max. supply of heat 1.5KJ/mm.

Intermediate string temperature max. 100°C.

Current type: AC/DC+.

Electrode class: EN 1600 :E 25 20 R 12 AWS A5.4 E310-16.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 440 N/mm².

Breaking point: R_m : 600 N/mm²

Extension: A_5 : 30%

Impact strength: KV: +20°C ● 80J.



No 20784

Weld position



Art. no.	20784	-0109	-0208	-0307
Diameter	mm	2.5	3.2	4.0
Length	mm	350	350	350
Welding current	A	50-80	90-140	130-175
Weight per capsule	kg	3.0	2.9	2.9
Weight per carton	kg	15.0	15	14.5
Number of capsules per carton	ea.	5	5	5
Order point		15*	15*	15*

Welding electrodes

For stainless steel



No 20600

Weld position



Description:

Luna. RI 316L Rutile-based all current electrode for welding low carbon, stainless and acid-proof steel with 18% Cr and 12 Ni 2.8% Mo, steel of the type SS 2343 or the like. Welds in all positions except vertical downwards. RI 316L has excellent weld characteristics, burns with an balanced arc, minimal spatter and the slag is easy to remove. The electrode can be used to weld Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

Current type: AC/DC+.

Electrode class: EN 1600 A:E 19 12 3 LR 12 AWS A5.4:E 316L-17.

Mechanical characteristics:

Tensile yield limit: $R_{p0.2\%}$: 450 N/mm²

Breaking point: R_m : 580 N/mm²

Extension: A_5 : 40%

Impact strength: KV: -105°C ● 40J.

Art. no. - socket	20600	-0507	-0200	-0309	-0408
Diameter.....	mm	2.0	2.5	3.2	4.0
Length.....	mm	300	350	350	450
Welding current.....	A	35-50	45-80	80-115	100-155
Weight per capsule.....	kg	1	2.7	2.6	5.9
Order point.....		1	3*	3*	6*
Art. no. ditto - carton	20600	-	-0606	-0705	-0804
Weight per carton.....	kg	-	13.5	13.0	17.7
Number of capsules per carton.....	ea.	-	5	5	3
Order point.....		-	14*	13*	18*



No 20601

Weld position



Description:

Luna. RI 316LP Rutile thin covered all current electrode especially developed for welding thin walled pipe (down to 1.5 mm) with, e.g. pulp and chemical industries. RI 316LP is specially designed for welding stainless full austenitic materials type 19% Cr-12% Ni-3% Mo. RI 316LP can be used in all positions, ignites and reignites even at very low current strengths and burns with a maintained soft and stabile arc. Particularly suitable for installation and repair of thin walled pipe and in many cases can replace welding using the TIG-method.

Current type: AC/DC+/-.

Electrode class: EN 1600 :E 19 12 3 L R 12 and AWS A5.4:E 316L-16.

Mechanical characteristics:

Tensile yield limit: $R_{p0.2\%}$: 450 N/mm²

Breaking point: R_m : 580 N/mm²

Extension: A_5 : 39%

Impact strength: KV: -20°C ●.

Art. no.	20601	-0100	-0209
Diameter.....	mm	2.0	2.5
Length.....	mm	250	250
Welding current.....	A	30-60	30-70
Weight per capsule.....	kg	1.0	1.0

Welding electrodes

For stainless steel

Description:

Luna. RI Duplex Rutile basic electrode for welding of duplex steels in all positions except vertical downwards. Suitable for root runs and filling runs. Handles working temperatures up to 250°C. Very resistant to general corrosion as well as pitting and stress corrosion. RI Duplex electrodes weld perfectly on both AC and DC.

Current type: AC/DC+/-.

Electrode class: EN 1600-7:E 22 9 3 NL R 32 AWS A5. 4:E 2209-16.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 650 N/mm²

Ultimate tensile strength: R_m : 800 N/mm²

Extension: A_5 : 27%

Impact strength: KV: -40°C ●

Art. no.	20460	-0100	-0209	-0308
Diameter	mm	2.5	3.2	4.0
Length	mm	350	350	350
Welding current	A	60-70	70-100	80-140
Weight per capsule	kg	3.0	3.0	3.0
Weight per carton	kg	15.0	15.0	15.0
Number of capsules per carton	ea.	5	5	5
Order point		15*	15*	15*



No 20460

Weld position



Hard facing electrodes

Description:

Luna. RMA H30 Rutile electrode coated hard-surfacing electrode with excellent weld properties in all welding positions, however the best properties are obtained in position 1G. RMA H30 produces a fracture free weld deposit with hardness 31-38HRc. Suitable for applications with moderate wear and friction in combined categories. The weld deposit can be machined and is ideal for a top layer or buffer layer. Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC./DC+

Electrode class: DIN 855-83 : E1-UM-350-GP

Mechanical characteristics:

Hardness: layer 1: 31HRc

layer 2: 35HRc

layer 3: 38HRc

Art. no.	20621	-0106	-0205
Diameter	mm	3.2	4.0
Length	mm	350	350
Welding current	A	90-130	140-180
Weight/sleeve	kg	1.0	1.0



No 20621

Weld position



Welding electrodes

Hard facing electrodes



No 20622

Weld position



Description:

Luna. RMA H60 Basic coated hard-surfacing electrode that produces a martensite/austenitic weld deposit with hardness from 45-58 HRc. RMA H60 welds in all positions, except vertical down, with an even arc, good reignition, little splatter and leaves an even and easily chipped weld surface. RMA H60 is especially suitable for welding objects that are exposed to wear metal against metal combined with heavy impact. .

Examples of objects: Roller crushers, screw conveyors, excavator buckets, transport blades.

Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC/DC-

Electrode class: DIN 855-83 : E6-UM-60-GPS AWS A5:13 : E Fe 6

Mechanical characteristics:

Hardness: layer 1: 45-55 HRc
layer 2: 50-58 HRc

Art. no.	20622	-0105	-0204
Diameter	mm	2.5	3.2
Length	mm	350	350
Welding current	A	60-70	70-120
Weight/sleeve	kg	1.0	1.0



No 20623

Weld position



Description:

Luna. RMA H100 Rutile coated hard-surfacing electrode with a metal exchange of 170% which virtually produces an eutectic mixture of chrome carbide and austenite with a hardness of 55 - 60HRc. RMA H100 has excellent weld properties with good reignition and minimal splatter. The design of the electrode shell means the electrode can be dragged against the object. RMA H100 is primarily intended for applications in environments where the combination of wear and hard impact and occur in working temperatures up to 600° C. Example: Conveyor screws, blades, chains, plough blades, bucket teeth and scrap crushers.

Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC./DC+

Electrode class: DIN 8555 E10-UM-60 GRZ

Mechanical characteristics:

Hardness: layer 1: 55 HRc
layer 2: 60 HRc

Art. no.	20623	-0104	-0203
Diameter	mm	3.2	4.0
Length	mm	450	450
Welding current	A	100-140	130-190
Weight/sleeve	kg	1.0	1.0

Welding electrodes

For jointing and building up

Description:

Luna. RMA MIX 18 Rutile stainless electrode with 6% Mn alloyed intended for welding in 13% Mn steel, armoured steel and general steels that are difficult to weld. RMA Mix 18 can also be used in conjunction with welding temperable steel to stainless steel without preheating. Weld deposit work hardens from 200 HV to 450HV.

Examples of applications: buffer layer under the top layer of RMA H100 on stone crusher plates and contract machines, rails, rail crossings, and welding of rail wheels and overhead crane wheels of Mn steel. Supplied in robust plastic sleeves 1kg/sleeve.

Current type: DC+/AC)

Electrode class:EN1600 :E188 Mn R53

Mechanical characteristics:

Tensile yield limit: $R_p0.2$: 425 N/mm²

Breaking point: R_m : 650 N/mm²

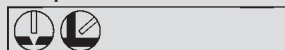
Extension: A_5 :35%.

Art. no.	20624	-0103	-0202
Diameter	mm	2.5	3.2
Length	mm	350	350
Welding current	A	80-100	110-150
Weight/sleeve.....	kg	1.0	1.0



No 20624

Weld position



Description:

Luna. RMA Mix 29 Rutile-basic high alloy welding electrode for all position welding. RMA Mix 29 gives a weld deposit with 40% ferrite and consequently is very resistant to cracking and is tolerant to high dilution from high carbon content and difficult to weld steel. Welds in all positions except vertical downwards. RMA Mix 29 offers excellent welding characteristics, despite demanding virtually unweldable materials.

Examples of application areas: Welding of high carbon tool steel, spring steel, 13% Mn steel, high temperature steel, buffer stock.

Supplied in robust plastic sleeves 1kg/sleeve.

Current type: AC./DC+

Electrode class: EN 1600 :E 29 9 R 12 AWS A5.4 : E 312 -17

Mechanical characteristics:

Tensile yield limit: $R_p0.2$: 700 N/mm²

Breaking point: R_m : 800 N/mm²

Extension: A_5 : 20%.

Art. no.	20625	-0102	-0201
Diameter	mm	2.5	3.2
Length	mm	350	350
Welding current	A	50-70	70-100
Weight/sleeve.....	kg	1.0	1.0



No 20625

Weld position



For cast iron

Description:

Luna. RMA CastNi Nickel electrode developed for welding cast iron. Can be used for repair work and welding joints on grey cast iron, spheroidal graphite iron and malleable cast iron as well as for welding joints between these, steel, monel and stainless steel. Preheating between 150 - 250°C is recommended when welding materials thicker than 15 mm. Weld short runs " " followed by slow cooling between each set of welds. Use small dimensions, try to weld with as little energy flow as possible.

Supplied in robust plastic sleeves 1kg/sleeve.

Current type: DC-/AC at low heat input

Electrode class: EN ISO 1071 : E C Ni - CI 1 AWS A5.15 A:E Ni-CI

Mechanical characteristics:

Tensile yield limit: $R_p0.2$:%: 270 N/mm²

Breaking point: R_m : 445 N/mm²

Extension: A_5 : 8%.

Art. no.	20626	-0101	-0200
Diameter	mm	2.5	3.2
Length	mm	300	350
Welding current	A	50-100	70-130
Weight/sleeve.....	kg	1.0	1.0



No 20626

Weld position



Welding electrodes

For cast iron



No 20627

Weld position



Description:

Luna. RMA CastNiFe High-grade electrode for welding cast iron, modular cast iron, malleable cast irons and spheroidal graphite iron. RMA CastNiFe is more tolerant to thermal cracking caused by impurities in the parent material compared with the pure parent metal. The welding technique is the same as for pure nickel electrodes, see RM CastNi. Cast NiFe alloy is recommended for mixed joints, steel - cast iron. Supplied in robust plastic sleeves 1kg/sleeve.

Current type: DC-/AC

Electrode class: EN ISO 1071 :E CNiFe-CI1 AWS A5.15 :E NiFi-CI

Mechanical characteristics:

Tensile yield limit: $R_p 0.2\%: 300 \text{ N/mm}^2$
 Breaking point: $R_m: 460 \text{ N/mm}^2$
 Extension: $A_5: 12\%$.

Art. no.	20627	-0100	-0209
Diameter	mm	2.5	3.2
Length	mm	300	350
Welding current	A	70-100	90-150
Weight/sleeve	kg	1.0	1.0

Cutter and chiseling electrode



No 20628

Description:

Luna. RMA Cut Coated electrode for arc gouging, cutting and hole-making in all metal materials such as unalloyed and low alloy wrought steel, stainless steel, cast iron as well as copper and aluminium alloys. Suitable for use when gas welding equipment or compressed air for carbon arc gouging are available. The method develops some fumes and good ventilation/extraction is necessary when working indoors. Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC (ACOCV.70V) /DC+/-) / DC+/-

Electrode class: -

Art. no.	20628	-0109	-0208
Diameter	mm	3.2	4.0
Length	mm	450	450
Welding current	A	220-300	270-360
Weight/sleeve	kg	1.0	1.0

For aluminium



No 20629

Weld position



Description:

Luna. RMA Alu Coated electrode for welding cast AISi alloys. Can also be used for welding a surface layer. Requires a high application speed compared with traditional electrode welding. RMA Alu is easy-to-weld and generates no pores. Supplied in robust plastic sleeves 0.5 kg/sleeve.

Current type: DC+

Electrode class: ISO 1873:Al 4047A

Art. no.	20629	-0108	-0207
Diameter	mm	2.5	3.2
Length	mm	350	350
Welding current	A	40-70	60-90
Weight/sleeve	kg	0.5	0.5

Welding wire (MIG-MAG)

Adapter for welding wire reels

Luna. Adapter for wire reels.

Adapter S for mounting in the centre of the reel. Easy to fit and dismantle when changing the wire reel.

Adapter D for fitting in the centre of wire reels consists of two halves which are fitted from each side. Easy to fit and dismantle when changing the wire reel.

Art. no.	20898	-0102	-0201
Adaptor		S	D
Orig.-nr		208980102	208980201
Pack.	qty	1	2*



Adapter S



Adapter D

For unalloyed and low alloy steel

Description:

Luna. RM 70 Copper-plated, silicon manganese alloy wire electrode for MIG welding of non-alloyed and fine-grain treated steel types. RM 70 is manufactured with the greatest accuracy in modern machines that guarantee continuous high quality, which is a demand in order to optimise the weld process for maximal profitability.

Current type: DC+

Electrode class: EN 440 G42 2 (6) MG 3511 AWS A5.18:ER 70 S-6.

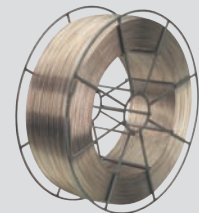
Mechanical characteristics:

Tensile yield limit: R_e : 420 N/mm²

Ultimate tensile strength: R_m : 520 N/mm²

Extension: A_5 : 26%

Impact strength: KV: -20°C ● 85J



No 20603

Art. no.	20603	-0108	-0207	-0306	-0405	-0504	-0603
Diameter.	mm	0.6	0.6	0.8	0.8	1.0	1.2
Reel diam.	mm	100	200	200	300	300	300
Reel type		RD100	RD200	RD200	RS 300	RS 300	RS 300
Weight/reel.	kg	0.8	5.0	5.0	15.0	15.0	15.0
Order point.		1	1	5*	15*	15*	15*
Art. no.	20603	-1304	-1403	-1502			
Diameter.	mm	0.8	1.0	1.2			
Reel type	mm	Drum	Drum	Drum			
Weight/pack.	kg	275	275	275			
Order point.		275*	275*	275*			

Description:

Luna. RM 80 Copper coated wire electrode for MIG welding of corrosion resistant steel type CORTEN, UHB-type CCP but can also be used for high-tensile steel. RM80 gives a weld deposit with 0.5% Ni 0.5% Cu.

Current type: DC+

Electrode class: EN ISO 16839 GMn 3Ni1 Cu AWS A5.28 ER 80 S-G

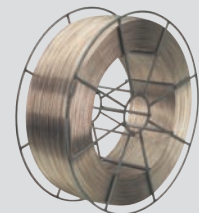
Mechanical characteristics:

Tensile yield limit: R_e : 450 N/mm²

Ultimate tensile strength: R_m : 550 N/mm²

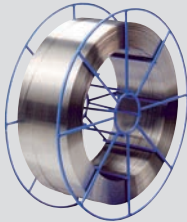
Extension: A_5 : 22%

Impact strength: KV: -20°C ● 47J.



No 20605

Art. no.	20605	-0106	-0205
Diameter.	mm	0.8	1.0
Reel diam.	mm	300	300
Reel type		RS 300	RS 300
Weight/reel.	kg	15.0	15.0
Order point.		15*	15*



No 20612

Welding wire (MIG-MAG)

For stainless and acid proof steel

Description:

Luna. RMI 308LSi Low carbon stainless steel wire electrode for MIG welding austenitic stainless steel with 19CR 10Ni. RMI 308LSi can be used for steel corresponding to SS2352, 2371, 2333 and 2330. The increased silicone content results in excellent welding characteristics such as arc stability and smooth material flow and then first and foremost in the short arc interval. Can also be used to weld normal carbon Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

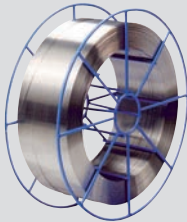
Current type: DC+

Electrode class: EN ISO 14343 G 19 9 L Si SFA/AWS A5.9. ER 308 LSi.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 400 N/mm²
 Ultimate tensile strength: R_m : 590 N/mm²
 Extension: A_5 : 40%
 Impact strength: KV: 20°C ● 120J-196°C ● 50J

Art. no.	20612	-0107	-0206	-0305
Diameter	mm	0.8	1.0	1.2
Reel diam	mm	300	300	300
Reel type		RS 300	RS 300	RS 300
Weight/reel	kg	15.0	15.0	15.0
Order point		15*	15*	15*



No 20616

Description:

Luna. RTI 309LSi Low carbon stainless wire electrode for MIG welding of ordinary stainless steel to non-alloyed low alloyed steel. RMI 309LSi is suitable for use in root runs on compound plates at the plate's transition between non-alloyed and stainless steel layers. The increased silicone content results in excellent welding characteristics such as arc stability and smooth material flow and then first and foremost in the short arc interval.

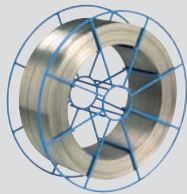
Current type: DC+

Electrode class: EN ISO 14343 G 23 12 LSi FA/AWS A5.9. ER 309 LSi.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 450 N/mm²
 Ultimate tensile strength: R_m : 620 N/mm²
 Extension: A_5 : 35%
 Impact strength: KV: 20°C ● 130J-196°C ● 60J

Art. no.	20616	-0103	-0202	-0301
Diameter	mm	0.8	1.0	1.2
Reel diam	mm	300	300	300
Reel type		RS 300	RS 300	RS 300
Weight/reel	kg	15.0	15.0	15.0
Order point		15*	15*	15*



No 20785

Description:

Luna. RMI 310 Wire electrode for MIG welding of high temperature Cr and Cr Ni steel (25% Cr-20Ni) with scaling temperature up to 1100C. RMI 310 can also be used when welding, difficult to weld steel, e.g. armoured steel and in connection with mixed joints with stainless steel to unalloyed steel.

Current type: DC+

Electrode class: ISO 14343 G 23 12 LSi SFA/AWS A5.9 ER 309 LSi

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 355 N/mm²
 Ultimate tensile strength: R_m : 610 N/mm²
 Extension: A_5 : 3
 5%
 Impact strength: KV: 20°C ● 160J-196°C ● 60J

Art. no.	20785	-0108	-0207	-0306
Diameter	mm	0.8	1.0	1.2
Reel diam	mm	300	300	300
Reel type		RS 300	RS 300	RS 300
Weight/reel	kg	15.0	15.0	15.0
Order point		15*	15*	15*

Welding wire (MIG-MAG)

For stainless and acid proof steel

Description:

Luna. RMI 316LSi Low carbon stainless steel wire electrode for MIG welding of stainless steel containing 19Cr 12Ni and 2.7Mo. RMI 316LSi can be used for steel corresponding to SS 2348, 2375, 2343 and 2353. The increased silicone content results in excellent welding characteristics such as arc stability and smooth material flow and then first and foremost in the short arc interval. Can also be used for normal carbon Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

Current type: DC+

Electrode class: EN ISO 14343 G 19 12 3 LSi AWS A5.9 ER 316 LSi

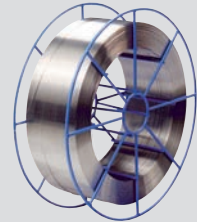
Mechanical characteristics:

Tensile yield limit: $R_{p0.2\%}$: 400 N/mm²

Ultimate tensile strength: R_m : 600 N/mm²

Extension: A_5 : 40%

Impact strength: KV: 20°C ● 110J-196°C ● 50J



No 20614

Art. no.	20614	-0105	-0204	-0303	-0402
Diameter	mm	0.8	0.8	1.0	1.2
Reel diam	mm	300	300	300	300
Reel type		RD100	RS 300	RS 300	RS 300
Weight/reel	kg	0.9	15.0	15.0	15.0
Order point		1	15*	15*	15*

Description:

Luna. RMI Duplex Wire electrode for MIG welding in duplex steel with own chemical composition and high mechanical values compared to standard austenitic stainless steel. RMI Duplex produces welds with great resistance to general corrosion as well as spot and stress corrosion.

Current type: DC+

Electrode class: ISO 14343 G 22 9 3 NL AWS A5.9 ER 2209

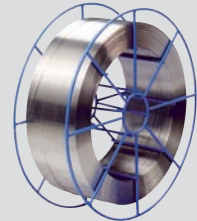
Mechanical characteristics:

Tensile yield limit: $R_{p0.2\%}$: 585 N/mm²

Ultimate tensile strength: R_m : 800 N/mm²

Extension: A_5 : 28%

Impact strength: KV: 20°C ● 110J-46°C ◦ 40J



No 20462

Art. no.	20462	-0108	-0207	-0306
Diameter	mm	0.8	1.0	1.2
Reel diam	mm	300	300	300
Reel type		RS 300	RS 300	RS 300
Weight/reel	kg	15.0	15.0	15.0
Order point		15*	15*	15*

For aluminium

Description:

Luna. RM AI 99.5 Wire electrode of pure aluminium for MIG welding of non-alloyed aluminium qualities corresponding to SS 4005 4007 4010. The weld deposit has good ductility, corrosion properties and conductivity. Melting range: 630-640°C.

NOTE! Welding of aluminium requires joint surfaces to be cleaned carefully.

Current type: DC+

Electrode class: AWS A5.10 ER1100

Mechanical characteristics:

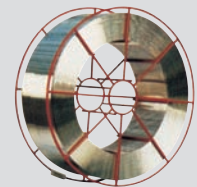
Tensile yield limit: $R_{p0.2\%}$: 30 N/mm²

Ultimate tensile strength: R_m : 100 N/mm²

Melting range: 630 - 640°C

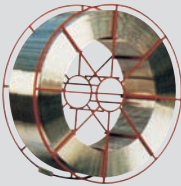
Extension: A_5 : 37%

Impact strength:-



No 20606

Art. no.	20606	-0105	-0204	-0303
Diameter	mm	0.8	1.0	1.2
Reel diam	mm	300	300	300
Reel type		RS 300	RS 300	RS 300
Weight/reel	kg	7.0	7.0	7.0
Order point		7*	7*	7*



No 20610

Welding wire (MIG-MAG)

For aluminium

Description:

Luna. RM AISi5 Silicon alloyed wire electrode made of aluminium for MIG welding of Al-Si and Al-Mg-Si alloys with a silicon content up to 7%. The weld deposit has medium strength with good resistance to thermal cracking. Melting range: 570 - 630°C. Should not be used when the end product is anodised.

NOTE! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

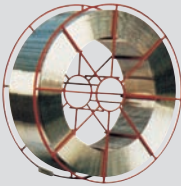
Current type: DC+

Electrode class: AWS A5.10 ER 4043, EN ISO 18273 : S Al 4043A (AlSi5)

Mechanical characteristics:

Tensile yield limit: $R_{p0.2\%}$: 55 N/mm²
 Ultimate tensile strength: R_m : 140 N/mm²
 Extension: A_5 : 12%
 Impact strength:-

Art. no.	20610	-0109	-0208	-0307
Diameter	mm	0.8	1.0	1.2
Reel diam.	mm	300	300	300
Reel type		RS 300	RS 300	RS 300
Weight/reel	kg	7.0	7.0	7.0
Order point		7*	7*	7*



No 20847

Description:

Luna. RM AlMg4.5Mn Magnesium alloy wire electrode made of aluminium for MIG welding of high strength aluminium alloys and low temperature applications. RT AlMg4.5Mn gives a greater ultimate tensile strength than AlMg5. Melting range: 568 - 638°C.

NOTE! Welding of aluminium requires joint surfaces to be cleaned carefully.

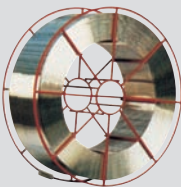
Current type: DC+

Electrode class: ISO 18273:S Al 5183 CA1Mg 4.5 Mn 0.71AWS A5.10:-ER 5183

Mechanical characteristics:

Tensile yield limit: $R_{p0.2\%}$: 150 N/mm²
 Ultimate tensile strength: R_m : 290 N/mm²
Melting range 568 - 638°C
 Extension: A_5 : 25%
 Impact strength: KV:20°C ● 30J

Art. no.	20847	-0104	-0203	-0302
Diameter	mm	0.8	1.0	1.2
Reel diam.	mm	300	300	300
Reel type		RS 300	RS 300	RS 300
Weight/reel	kg	7.0	7.0	7.0
Order point		7*	7*	7*



No 20608

Description:

Luna. RM AlMg5 Magnesium alloy wire electrode made of aluminium for MIG welding of salt water resistant aluminium alloys containing up to 5% Mg. RM AlMg5 is the most common occurring wire electrode for welding aluminium. Melting range: 560 - 630°C.

NOTE! Welding of aluminium requires joint surfaces to be cleaned carefully.

Current type: DC+

Electrode class: AWS A5.10- ER 5356. 5356, ISO 18273 : S Al 5356 (AlMg5)

Mechanical characteristics:

Tensile yield limit: $R_{p0.2\%}$: 120 N/mm²
 Ultimate tensile strength: R_m : 255 N/mm²
Melting range 560 - 630°C
 Extension: A_5 : 24%
 Impact strength:-

Art. no.	20608	-0103	-0202	-0301	-0400	-0509
Diameter	mm	1.0	0.8	1.0	1.2	1.6
Reel diam.	mm	100	300	300	300	300
Reel type		RD100	RS 300	RS 300	RS 300	RS 300
Weight/reel	kg	0.5	7.0	7.0	7.0	6.5
Order point.		1	7*	7*	7*	7*

Welding wire (pipe wire)

For unalloyed and low alloy steel

Description:

Luna. RC 123 Powder filled hollow core wire with own gas shield developed for welding thin materials with 1.0 - 5 mm material thickness as well as galvanised materials without shielding gas. RC 123 welds in all positions. Can be welded with amperage as low as 25 Amp, which reduces the risk of over penetration. Suitable for assembly and maintenance work, within industry and hobby work, automotive sector as well as DIY.

Current type: Welded with reverse polarity DC-

Electrode class: AWS 5.20 E 71T-GS

Mechanical characteristics:

Ultimate tensile strength: R_m : 520 N/mm²

Art. no.	20619	-0100	-0209
Diameter	mm	0.9	0.9
Reel diam.	mm	100	200
Reel type	mm	RD100	RD200
Weight/reel	kg	0.9	4.5



No 20619

Weld position



Description:

Luna. RC K-71T Rutile hollow wire electrode for welding in all weld positions under CO₂ gas shield. RC K-71T is intended for welding heavy-duty structures where efficiency and safety are a requirement. The hollow wire welds with an even arc and leaves an attractive weld with a minimum of post-processing. Welded with stickout 15-25 mm.

Current type: DC+

Electrode class: EN 758 : T 42 2 PC 1 H 5 AWS A5.20 :E71-1.

Mechanical characteristics:

Tensile yield limit: R_p : 520 N/mm²

Ultimate tensile strength: R_m : 580 N/mm²

Extension: A_5 : 29%

Impact strength: KV: -20°C ● 50J

Art. no.	20405	-0108
Diameter	mm	1.2
Reel diam.	mm	270
Reel type		RD300
Weight/reel	kg	15.0
Order point		15*



No 20405

Weld position



Description:

Luna. RC K-71TLF Rutile hollow wire electrode for welding in all positions with mixed gas as the shielding gas. RC K-71TLF is bright-drawn and is intended for welding heavy-duty structures where efficiency and safety are a requirement. The hollow wire welds with a smooth arc giving very low fume development. (LF = Low fume) and leaves an attractive weld with a minimum of post-processing.

Welds with a stick-out of 15-25 mm. RC K-71TLF also available for CO₂ shield gas.

Current type: DC+

Electrode class: EN 758 : T 46 2 PC 1 H 5 : T 46 2 PM H 5 AWS A5.20 :E71T-1 C/-1M H8

Mechanical characteristics:

Tensile yield limit: R_p : 520 N/mm²

Ultimate tensile strength: R_m : 610 N/mm²

Extension: A_5 : 27%

Impact strength: KV: -20°C ● 94J

Art. no.	20771	-0104
Diameter	mm	1.2
Reel diam.	mm	270
Reel type		RD300
Weight/reel	kg	15.0
Order point		15*



No 20771

Weld position



Welding wire (pipe wire)

For unalloyed and low alloy steel



No 20662

Weld position



Description:

Luna. RC70C Metal powder filled hollow core wire for high productivity welding with mixed shielding gas. RC 70C welds in all positions but is primarily intended for welding PA, PB, and PC positions. Good mechanical characteristics in combination with low hydrogen values make RC70C ideal for demanding tasks. Minimal spatter, tolerance against oxide scale and excellent feed characteristics result in large safety and efficiency.

Current type: DC+

Electrode class: EN 758 :T 46 3 M M 2 H5 AWS A5.18:M E70C-6M H4.

Mechanical characteristics:

Tensile yield limit: R_p : 495 N/mm²
 Ultimate tensile strength: R_m : 570 N/mm²
 Extension: A_5 : 26%
 Impact strength: KV: -30°C ● 60J

Art. no.	20662	-0106
Diameter	mm	1.2
Reel diam.....	mm	300
Reel type		RK 300
Weight/reel	kg	15.0
Order point		15*



No 20618

Weld position



Description:

Luna. RC 71 T Rutile hollow wire electrode for welding in all positions with mixed shielding gas. Very good welding characteristics with maintained productivity. Low fume development and minimal spatter guarantee a good environment and efficiency. Good mechanical characteristics and hydrogen content mean that the hollow wire electrode is ideal where stringent demands are made on the filler metal.

Current type: DC+

Electrode class: EN 758 :T 46 3 P M1 H5 AWS A5.20 A5M :E 71T-1 JH4

Mechanical characteristics:

Tensile yield limit: R_p : 570 N/mm²
 Ultimate tensile strength: R_m : 620 N/mm²
 Extension: A_5 : 25%
 Impact strength: KV: -40°C ● 40J

Art. no.	20618	-0101
Diameter	mm	1.2
Reel diam.....	mm	300
Reel type		RK 300
Weight/reel	kg	15.0
Order point		15*



No 20772

Weld position



Description:

Luna. RC K -71TM Rutile hollow wire electrode for welding in all positions. RC K -71TM is a modern, high productivity hollow wire, welds with an even and stable arc, which guarantees maximal efficiency and high quality. RC K - 71TM can be welded in 4 different positions with the same current setting on account of its large parameter box. RC K-71TM is through its design easy to set to achieve optimal welding parameters for each task.

Current type: DC+

Electrode class: EN 758 : T 42 2 P M 1 H 5 AWS A5:20 :E 71-1/1M

Mechanical characteristics:

Tensile yield limit: R_p : 530 N/mm²
 Ultimate tensile strength: R_m : 590 N/mm²
 Extension: A_5 : 20%
 Impact strength: KV: -20°C ● 60J

Art. no.	20772	-0103
Diameter	mm	1.2
Reel diam.....	mm	300
Reel type		RD300
Weight/reel	kg	15.0
Order point		15*

Welding wire (pipe wire)

For stainless and acid proof steel

Description:

Luna. RCI 316I Low carbon content rutile hollow electrode for gas metal-arc welding of stainless steel with composition approx. 18Cr, 12Ni, 3Mo. RCI 316L can also be used for welding Nb and Ti stabilised steel provided there is an operating temperature lower than 400° C. RCI 316L welds with a calm and stable arc, the slag is easy to remove and generates minimal splatter, which guarantees a good finishing and maximal efficiency.

Current type: DC+

Electrode class: ISO 17663 : T19 1 2 3 LR C/-4 AWS 175.22 :E 316LTO - 1/-4

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 410 N/mm²
 Ultimate tensile strength: R_m : 560 N/mm²
 Extension: A_5 : 39%
 Impact strength:KV: 20°C ● 20°C ● 44J

Art. no.	20620	-0107
Diameter.....	mm	1.2
Reel diam.....	mm	300
Reel type.....		RD300
Weight/reel.....	kg	12.5
Order point.....		15*



No 20620

Weld position



Description:

Luna. RCI 316LT Low carbon content rutile hollow electrode for gas metal-arc welding of stainless steel with composition approx. 18Cr, 12Ni, 3Mo. RCI K-316LT can also be used for welding Nb and Ti stabilised steel provided there is an operating temperature lower than 400° C. RCI 316 welds with a calm and stable arc in all positions, the slag is easy to remove and generates minimal splatter, which guarantees a good finishing and maximal efficiency.

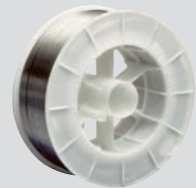
Current type: DC+

Electrode class ISO 17663 : T 19 12 3 L P C//M 2 AWS A5.22-95 :E 316LT-1-4

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 440 N/mm²
 Ultimate tensile strength: R_m : 590 N/mm²
 Extension: A_5 : 35%
 Impact strength:KV: 20°C ● 45J

Art. no.	20816	-0101
Diameter.....	mm	1.2
Reel diam.....	mm	270
Reel type.....		RD300
Weight/reel.....	kg	12,5
Order point.....		15*



No 20816

Weld position



Description:

Luna. RMA H30 MIG Solid wire for hard-surfacing which gives a weld deposit that can be machined. RMA H30 MIG may also be suitable for the first run when building up multi-run welds. Suitable for mechanized hard-surfacing on axles, drums and rollers.

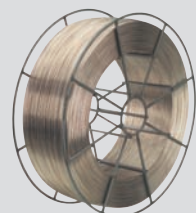
Current type: DC+

Electrode class: DIN 8555 MSG 2-350GZ Werkstoff No 18405

Mechanical characteristics:

Martensite weld deposit
 Hardness: on layer 2 approx HRC 38

Art. no.	20458	-0104	-0203
Diameter.....	mm	1.0	1.2
Reel diam.....	mm	300	300
Reel type.....	mm	RS 300	RS 300
Weight/reel.....	kg	15.0	15.0
Pack.....	kg	15*	15*



No 20458



No 20459

Welding wire (pipe wire)

For stainless and acid proof steel

Description:

Luna. RMA H60 MIG Solid wire for hard-surfacing that gives a weld deposit with high resistance to corrosion, wear and deformation due to the impact and wear. Suitable objects include: sand pumps, wear parts on agricultural and contracting plant and transport screws and rollers. RMA H60 MIG has excellent welding characteristics.

Current type: DC+

Electrode class: DIN 8555 MSG 6-60GZ Werkstoff No 14718

Mechanical characteristics:

Ferric and martensite weld deposit
Cannot be machined
Hardness: on layer 2 approx HRC 60
Heat resistant up to 450°C

Art. no.	20459	-0103	-0202
Diameter	mm 1.0	1.2	1.2
Reel diam.	mm 300	300	300
Reel type	mm RS 300	RS 300	RS 300
Weight/reel	kg 15.0	15	15
Pack.....	kg 15*	15*	15*



No 20604

Welding wire (TIG)

For unalloyed and low alloy steel

Description:

Luna. RT 70 Silicon manganese alloyed welding wire for TIG-welding of structural steel with high demands on the welded joint.

Current type: DC-

Electrode class: EN 1668 W462- W 3 Si1 Werkstoff Nr 1.5125 AWS A5.18: ER: 70 S -6

Mechanical characteristics:

Tensile yield limit: R_p 420 N/mm²
Ultimate tensile strength: R_m : 500 N/mm²
Extension: A_5 : 22%
Impact strength: KV: -50°C ● 47J

Art. no.	20604	-0107	-0206	-0305	-0404
Diameter	mm 1.6	2.0	2.4	2.4	3.2
Length	mm 1000	1000	1000	1000	1000
Weight/pack.	kg 5.0	5.0	5.0	5.0	5.0
Order point	5*	5*	5*	5*	5*

*) Only unopened pack.



No 20613

For stainless and acid proof steel

Description:

Luna. RTI 308LSi Low carbon stainless steel wire electrode for TIG welding austenitic stainless steel with 19CR 10Ni. RTI 308LSi[®] can be used on steel corresponding to SS2352, 2371, 2333 and 2330, RTI 308LSi can also be used for welding normal carbon Nb or Ti stabilised steel under the condition that the working temperature is below 400 C.

Current type: DC-

Electrode class: EN 12072 W 19 9 LSi AWS A5.9 : ER 308LSi.

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 400 N/mm²
Ultimate tensile strength: R_m : 590 N/mm²
Extension: A_5 : 40%
Impact strength: KV: 20°C 120J ● -196°C ● 50J

Art. no.	20613	-0106	-0205	-0304
Diameter	mm 1.2	1.6	1.6	2.0
Length	mm 1000	1000	1000	1000
Weight/pack	kg 5.0	5.0	5.0	5.0
Order point	5*	5*	5*	5*

Welding wire (TIG)

For stainless and acid proof steel

Description:

Luna. RTI 309LSi Low carbon stainless wire electrode for TIG welding of ordinary stainless steel to unalloyed and low alloyed steel. RTI 309 LSi is suitable for use as root runs on compound plates at the plate's transition between the unalloyed and stainless steel layers. The increased silicon content contributes to a fluid molten pool.

Current type: DC-

Electrode class: EN 12072 W 23 12 LSi AWS A5.9 : ER 309LSi.

Mechanical characteristics:

Tensile yield limit: R_p 450 N/mm²

Ultimate tensile strength: R_m : 640 N/mm²

Extension: A_5 : 35%

Impact strength: KV: 20°C ● 130J- 120°C ● 65J

Art. no.	20617	-0102	-0201	-0300
Diameter	mm	1.2	1.6	2.0
Length	mm	1000	1000	1000
Weight/pack	kg	5.0	5.0	5.0
Order point		5*	5*	5*



No 20617

Description:

Luna. RTI 316LSi Low carbon stainless steel wire electrode for TIG welding stainless steel containing 19CR 12Ni and 2.7Mo. RTI 316LSi can be used on steel corresponding to SS 2348, 2375, 2343 and 2353. RTI 316LSi can also be used for welding normal carbon Nb or Ti stabilised steel under the condition the working temperature is below 400° C.

Current type: DC-

Electrode class: EN 12072 W 19 12 3 LSi AWS A5.9 ER 316 LSi

Mechanical characteristics:

Tensile yield limit: R_p 400 N/mm²

Ultimate tensile strength: R_m : 600 N/mm²

Extension: A_5 : 40%

Impact strength: KV: 20°C ● 120J -196°C ● 50J

Art. no.	20615	-0104	-0203	-0302	-0401	-0500
Diameter	mm	1.2	1.6	2.0	2.4	3.2
Length	mm	1000	1000	1000	1000	1000
Weight/pack	kg	5.0	5.0	5.0	5.0	5.0
Order point		5*	5*	5*	5*	5*



No 20615

Welding wire (TIG)

For aluminium



No 20607

Description:

Luna. RT Al 99.5 Wire electrode of pure aluminium for TIG-welding of unalloyed aluminium qualities corresponding to SS 4005 4007 4010. Weld deposit has good ductility, corrosion characteristics and conductivity. Melting range: 630-640°C.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: AWS A5.10 :ER1100

Mechanical characteristics:

Tensile yield limit: R_p 30 N/mm²

Ultimate tensile strength: R_m : 100 N/mm²

Extension: A_5 : 37%

Art. no.	20607	-0104	-0203	-0302
Diameter	mm	2.4	3.2	4.0
Length	mm	1000	1000	1000
Weight/pack	kg	2.0	2.0	2.0
Order point		2*	2*	2*



No 20611

Description:

Luna. RM AISi5 Silicon alloyed wire electrode made of aluminium for MIG welding of Al-Si and Al-Mg-Si alloys with a silicon content up to 7%. The weld deposit has medium strength with good resistance to thermal cracking. Should not be used when the end product is anodised. Melting range: 570-630°C.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: EN ISO 18273 S Al 4043 (AISi5) AWS A5.10 ER 4043

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 55 N/mm²

Ultimate tensile strength: R_m : 140 N/mm²

Extension: A_5 : 10%

Art. no.	20611	-0033	-0058	-0108	-0207	-0306
Diameter	mm	1.6	2.0	2.4	3.2	4.0
Length	mm	1000	1000	1000	1000	1000
Weight/pack	kg	2.0	2.0	2.0	2.0	2.0
Order point		2*	2*	2*	2*	2*



No 20846

Description:

Luna. RT AlMg4.5Mn Magnesium alloy wire electrode made of aluminium for MIG welding of high strength aluminium alloys and low temperature applications.

RT AlMg4.5Mn gives a greater ultimate tensile strength than AlMg5. Melting range: 568 - 638°C.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: EN ISO 18273 S Al 5183 (AlMg 4,5 Mn) AWS A5.10-92 ER 5183

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 150 N/mm²

Ultimate tensile strength: R_m : 290 N/mm²

Extension: A_5 : 25%

Melting range: 568-638°C

Art. no.	20846	-0105	-0204	-0303
Diameter	mm	2.4	3.2	4.0
Length	mm	1000	1000	1000
Weight/pack	kg	2.0	2.0	2.0
Order point		2*	2*	2*

Welding wire (TIG)

For aluminium

Description:

Luna. RT AlMg5 Magnesium alloyed wire electrode of aluminium for TIG-welding of seawater resistant aluminium alloys containing up to 5% Mg. RT AlMg5 is the most common occurring wire electrode for welding aluminium. Melting range: 560 - 630°C. Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: EN 18273 S Al 5356 (AlMg5(A) AWS A5.10 ER 5356

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 120 N/mm²
 Ultimate tensile strength: R_m : 255 N/mm²
 Extension: A_5 : 24%
 Melting range: 568-638°C

Art. no.	20609	-0052	-0102	-0201	-0300
Diameter	mm 1.6	2.4	3.2	4.0	
Length	mm 1000	1000	1000	1000	
Weight/pack	kg 2.0	2.0	2.0	2.0	
Order point	2*	2*	2*	2*	

*) Only unopened pack.



No 20609

Gas welding wires

For unalloyed and low alloy steel

Luna. G2 (H-44) Bright drawn solid wire for gas welding tubular structures and pressure vessels of non-alloyed steel with min. The wire is bright drawn without a copper coating.

Mechanical characteristics:

Ultimate tensile strength: 430 N/mm²

Art. no.	20238	-0101	-0200	-0309	-0408	-0507	-0606
Diameter	mm 1.5	2.0	2.5	3.0	4.0	5.0	
Length	mm 700	700	700	700	700	700	
Weight/pack	kg 5.0	5.0	5.0	5.0	5.0	5.0	
Order point	5*	5*	5*	5*	5*	5*	



No 20238

Luna. G4 Mo (H-44Mo) Bright-drawn solid wire for gas welding of unalloyed and low alloyed steel. Recovery with molybdenum gives the wire higher mechanical values, which means more application areas within above all pipe and pressure vessel structures.

Mechanical characteristics:

Ultimate tensile strength: 480 N/mm²
 Extension: 26%

Art. no.	20239	-0100	-0209	-0308
Diameter	mm 2.0	2.5	3.0	
Length	mm 700	700	700	
Weight/pack	kg 5.0	5.0	5.0	
Order point	5*	5*	5*	



No 20239

Solder for hard soldering

Phosphor copper solder

No 20230

Luna. FK 2-K Solder designed for plumbing work containing 2 % silver, according to the National Swedish Board of Physical Planning and Building's applicable demands for heating, ventilation and sanitation installations.

Mechanical characteristics:

Breaking point: 250 N/mm²
Melting range: 650-810°C

Art. no.	20230	-0109	-0208
Diameter	mm	2	2.0x2.0
Length	mm	500	500
Weight/pack	kg	1.0	1.0

No 20231

Luna. S-5 A solder designed for plumbing work containing 5% silver. This version of solder is often prescribed and recommended in the refrigeration industry.

Mechanical characteristics:

Breaking point: 250 N/mm²
Melting range: 650-810°C

Art. no.	20231	-0108	-0207
Diameter	mm	2	2.0x2.0
Length	mm	500	500
Weight/pack	kg	1.0	1.0

Silver solder

No 20232

Luna. S 40CdF Flux coated. Silver solder with good fluidity at low working temperatures (610° C)

Recommended for soldering in series production due to its narrow melting range. Can also be recommended for soldering small, heat sensitive components and tool steel where a low bonding temperature is required. S 40CdF is flux coated.

Mechanical characteristics:

Ultimate tensile strength: 450 N/mm²
Melting range: 595-630°C

Art. no.	20232	-0107	-0206
Luna	No	S 40Cd	S 40Cd
Diameter	mm	1.5	2.0
Length	mm	500	500
Weight/pack	kg	1.0	1.0

Art. no.	20232	-0305
Luna	mm	S 40CdF
Diameter	mm	1.5
Length	mm	500
Weight/box	kg	1.0

Solder for hard soldering

Silver solder

Luna. S 55 - 55F Cadmium free solder with high silver content (55%) which contributes towards good flow properties, high capillary action and deep penetration. S 55 is with its good anti-corrosion characteristics well suited for use in petrochemical installations.

The relative toxic free composition means that the solder is ideal for use when soldering stainless components used in the food industry. Good colour matching when soldering silver work and stainless materials.

S 55F is flux coated.

Mechanical characteristics:

Breaking point: 430 N/mm²

Melting range: 630-660°C

Art. no.	20233	-0106	-0205	-0304
Luna.	No	S55	S 55F	S 55F
Diameter.	mm	1.5	1.5	2.0
Length.	mm	500	500	500
Weight/pack.	kg	1.0	1.0	1.0



No 20233

Luna. S 44 Cadmium free silver solder with 40 % silver content primarily intended for soldering components for the food industry and where the soldered joint comes into contact with drinking water.

Can be used to solder copper, non-alloys and stainless steel.

S 44 has a relatively wide melting range, which permits soldering in relatively large joint openings.

Mechanical characteristics:

Breaking point: 400 N/mm²

Melting range: 675-735°C

Art. no.	20234	-0105	-0204
Diameter.	mm	1.5	2.0
Length.	mm	500	500
Weight/pack.	kg	1	1



No 20234

Brass solder

Luna. M 850 Nickel alloyed brass solder with good fluidity and high strength values for exacting tasks. M 850 can be used for brazing steel, cast iron, malleable cast iron, copper and nickel alloys.

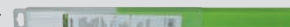
Mechanical characteristics:

Breaking point: 440 N/mm²

Extension: 25%

Melting range: 890-910°C

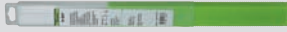
Art. no.	20235	-0104	-0203
Diameter.	mm	1.5	2.0
Length.	mm	1000	1000
Weight/pack.	kg	5	5
Order point.		5*	5*



No 20235

Solder for hard soldering

Brass solder



No 20236

Luna. M 900 - 900F Bronze/brass solder for hard soldering and brazing steel, copper and copper alloys. Suitable for production, repair and maintenance work. Supplied without or with flux coating (F). Low working temperature and minimal fumes. M 900F is flux coated.

Mechanical characteristics:

Breaking point: 440 N/mm²
 Extension: 25%
 Melting range: 875-895°C

Art. no.....	20236	-0103	-0202	-0301
Luna	No	M 900	M 900	M 900
Diameter	mm	1.5	2.4	3.0
Length	mm	1000	1000	1000
Weight/pack.....	kg	5.0	5.0	5.0
Order point.....		5*	5*	5*

Art. no.....	20236	-0400	-0509
Luna	No	M 900F	M 900F
Diameter	mm	2.0	3.0
Length	mm	500	500
Weight/pack.....	kg	1.0	1.0

Solder – hard soldering

Flux for bronze solder



No 20271

Luna. CuZn (sn) F Flux in powder form Designed for use with Luna bronze solder. Applied to the soldering area with the soldering iron, which is heated and dipped in the powder. The flux can also be mixed in water or spirit to form a paste.

May only be sold to professionals.

Read the safety data sheet before use.

Working interval: 750-1000°C

Standard: DIN 8511 F-SH2/EN 1045 FH21.

Art. no.....	20271	-0109
Weight.....	g	500

Flux for silver solder



No 20272

Luna. Ag F Powdered flux. Designed for use when soldering with silver solder. Applied to the joint with a stick of solder that is heated and dipped in the powder.

May only be sold to professionals.

Read the safety data sheet before use.

Working interval: 580-770°C

Standard: DIN 8511 F-SH1 EN/1045 FH-10

Art. no.....	20272	-0108
Weight.....	g	250

Mitre saw

Luna. Cross-cut and mitre saw with double slide function that gives a high capacity, precision and stability. The saw has a silent, maintenance free induction motor with brakes. Powerful alu saw disc journalled in the alu-base plate - turns to the right 46°, left 46° and tilttable saw unit to the left 45°. The saw blade is protected by an automatic returning aluminium blade guard. Supplied with tungsten carbide saw blade and material clamp. Suitable saw blades see 20577 page 195.

Art. no.	20114	-0100
Luna	No	BMS 250S
Saw blade diameter x hole	mm	254 x 30
Tilt saw blade	degrees	0° - 45°
Mitre	degrees	45°-0° - 45°
Fixed position	degrees	0.15°, 22.5°, 30°, 45°
Max. cut height 90°/45°	mm	60/50
Max. cut length 90°/45°	mm	300/210
Table size	mm	460 x 320
Spindle speed	rpm	2950
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	1.6
Weight	kg	18.5
Ditto for UK	20114	-6008



No 20114

Circular saws

Luna. Table circular saw with steel plate design and cast aluminium table. The saw blade is adjustable and can be angled for mitring at 45°. The spiller guide can be adjusted above the table surface incl. the extension table. The lower section can be easily removed from the machine with two clips and the legs are folded up with the tool.

Supplied med lower section, motor cut-out, zero voltage tripping, mitre guide, table extension width 2 (right, Left), tungsten carbide saw blade, parallel stop, saw stop and pusher.

Suitable saw blades see 20577 page 195.

Art. no.	20006	-0101
Luna	No	BCS 250
Table size (without table extension, broadening) ..	mm	630 x 440
Table extension width, left/right	mm	630 x 250
Table extension length, rear	mm	400 x 440
Table height	mm	830
Saw blade diameter x hole	mm	250x30
Spindle speed	rpm	4800
Max. saw depth 90°/45°	mm	71/51
Connection sleeve Ø	mm	36
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	1.5
Weight	kg	33
Ditto for UK	20006	-6009



No 20006

Luna. 315 mm circular saw with sliding table. Chassis of robust steel plate and aluminium table. The saw is supplied with adjustable stop rail and wide stop, tilt function 0-45°, stand with large castors for easy movement and brake system and silent motor.

Suitable saw blades - see 20577 page 195.

Art. no.	20843	-0108	-0207
Luna	No	BCS 315	BCS 315
Table size WxL	mm	800x350	800x350
Sliding table WxL	mm	1000x300	1000x300
Table height	mm	855	855
Sliding table sliding length ..	mm	580	580
Saw blade diameter x hole ..	mm	315x30	315x30
Spindle speed	rpm	2860	2860
Max. saw depth 90°/45°	mm	73/49	73/49
Connection sleeve Ø	mm	100	100
Motor voltage	V	230 1-phase	400 3-phase
Motor output	kW	2,2	2,2
Weight	kg	68	68
Ditto for UK	20843	-6006	-



No 20843



No 20007

Circular saws

Luna. Trimming saw with scribe saw function. Stand in heavy-duty steel construction. Cast iron saw table with ball-bearing mounted aluminium carriage equipped with steel section table, adjustable stop and pivot arm. The saw blade can be raised and lowered using screw spindles and gear segments as well as adjustable for the mitre sawing at 45°. Max travel 155 cm. A 315 mm saw blade can be used if the scribe blade is removed, this then gives a higher saw height. Enclosure class IP54. Supplied complete with adjustable table, scribe saw device, splitter guide, saw guard, motor 400V with zero voltage tripping and tungsten-carbide saw blades. 254 mm (1) and 80 mm (1). Suitable saw blades see 20577 page 195.

Art. no.	20007	-0100
Luna	No	BCS 250P
Table size	mm	790 x 1480
Max. length adjustment with scribe blade	mm	1400
Max. saw width against guide	mm	1260
Saw blade diameter x hole	mm	254 x 30
Scribe blade diameter x hole	mm	80 x 20
Max. sawing height 90° 250 mm blade (315)	mm	78 (108)
Max. sawing height 45° 250 mm blade (315)	mm	54 (76)
Saw blade angle adjustment		90° - 45°
Saw blade speed	rpm	4000
Connection sleeve Ø	mm	30/100
Motor voltage	V	400 3-phase 50 Hz
Motor output	kW	2.2
Weight	kg	315
Ditto for Norway	20007	-5000
Motor voltage	V	230 3-phase 50 Hz



No 20439

Universal saws

Luna. Very stable and powerful cleaving and trimming saw with thick zinc coated table in sheet metal and powdered coated frame. Saw unit is double journalled with separate tilt (90-45°) and height adjustment knobs/screw spindle. Width stop adjustable over the whole table width with a powerful eccentric lock. Easy to move due to the folding handle and set of wheels. Trimming table equipped with mitre guide and stop, which run via adjustable rollers and guide. Ready for connection to dust extractor. Easily equipped to a mobile unit thanks to the retractable table legs. Supplied with motor with protection class IP 54 overload protection and motor brake. Contactor with zero voltage tripping, lockable lock, adjustable table, rear extension table, tungsten carbide saw blade and all necessary spanners. (NOTE! Cross section of connection cable min 1.5 mm). Saw delivered ready assembled - Cleaving blade and adjustable table not fitted.

Accessories:
Additional table of sheet steel 800x500 mm, mounted on the right side of the machine table.
 Supplied with guide profile and millimetre scale.
 Suitable saw blades see 20577 page 195.

Art. no.	20439	-0108	-0207
Luna	No	BCS 315 B	
Working height	mm	810	
Table size (with/without table extension)	mm	800x550/1600x550	
Saw height at 90/45°(adjustable using screw spindle)	mm	90/60	
Inclinable saw blade	°	90-47	
Extractor sleeve (round)	mm	100	
Max. saw blade diameter x hole	mm	315x30	
Adjustable table: Insertion in front of the saw blade 90-25 mm, saw height	mm	600-670	
Motor voltage	V	230 1-phase 50 Hz	400 3-phase 50 Hz
Motor output	kW	1.6	2.0
Speed	rpm	2800	2800
Fuse min	A	10 (Slow)	10 (Slow)
Weight	kg	50	50
Ditto for UK	20439	-6006	-
Additional bench:	20439	-1007	

Scroll saws



No 20008

Luna. Scroll saw with variable speed for sawing wood, plastic and light metal e.g. aluminium, etc. Cast support with heavy-duty base. Aluminium saw table, can be tilted 45°. Easy and quick blade replacement - both saw blades with and without pins can be used. With dust blower and extractor nozzle. Supplied with zero voltage protection and saw blade.

Art. no.	20008	-0109
Luna	No	BSS 405
Distance saw blade-stand	mm	406
Table tilt left		0° - 45°
Max. sawing thickness	mm	50
Blade length	mm	130
Saw blade speed	ting	400-1600
Extraction sleeve	mm	32
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	0.12
Weight	kg	14
Ditto for UK	20008	-6007



No 20697

Luna. Scroll saw with two speeds for wood, plastic and light metal. Whole saw (incl. saw arm and base) made in heavy-duty cast iron design. Saw table can be angled 45°. Equipped with quick-action clamp for extra fast saw blade replacement. Saw blades without pin fastening are used. With chip blowing device and extraction nozzle. Supplied with motor, IP54, zero voltage protection, saw blade and 2 extra clamping jaws.

Art. no.	20697	-0105
Luna	No	BSS 460
Distance saw blade-stand	mm	460
Max. cutting depth	mm	65
Blade length	mm	130
Saw blade speed (2 speeds)	stroke/min	700/1400
Stroke length	mm	20
Dimensions LxWxH	mm	620 x 285 x 310
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	0.12
Weight	kg	28
Ditto for UK	20697	-6003

Band saws



No 20003

No 20004

No 20005

Luna. Band saws of welded steel construction and with two speeds. Suitable for wood and plastic materials. Balanced, rubber-covered band saw wheel of cast iron, which runs in dust-proof ball bearings. Spring-loaded upper wheel. Cast iron table that can be tilted and which features guide slots for a mitre guide. Models 315 and 350 are supplied with a lower frame while model 500 is a floor model. Enclosure protection class IP 54. Supplied with mitre guide.

Suitable band saw blade - see 20998 page 172.

Wood working machines

Art. no.....		20003-0104	20004-0103	20005-0102
Luna	No	BBS 315	BBS 350	BBS 500
Wheel diameter	mm	315	350	500
Saw blade length	mm	2370	2630	3607
Saw blade width	mm	6 - 19	6 - 19	6 - 25
Max. sawing height.....	mm	200	235	285
Saw blade speed	m/min	380/820	380/820	460/980
Distance saw blade-stand	mm	305	345	465
Bench size WxL	mm	480 x 400	548 x 400	630 x 480
Connection sleeve	mm	100	100	100
Motor voltage.....	V	230 1-phase 50 Hz	230 1-phase 50 Hz	400 3-phase 50 Hz
Motor output	kW	0.75	1.13	1.5
Weight	kg	75	90	175
<i>Ditto for Norway</i>	20005	-	-	-5002
Motor voltage.....	V	-	-	230 -3-phase 50 Hz
<i>Ditto for UK</i>		20003-6002	20004-6001	-

Combined planer and thicknesser

Luna. Combined planer and thicknesser. For location on floor. The chassis and plane benches are manufactured from cast aluminium with slotted bench lips (quieter action). Well-balanced plane cutter. Ready for connection to an extractor (thicknesser and planer), sleeve 100 mm.

Thicknesser The front planer bed is individually adjusted for various shaving thicknesses (using a screw spindle). Surface stop of alu section - adjustable from 90°-45°.

Planer Heavy-duty, bearing mounted planing table, adjustable height via 4 screw spindles. Integrated adjustable chip hood. Automatic feed and equipped with reverse stroke block. Supplied complete with motor, switch with zero voltage release, 2 adjustable cutters, adjustable directional dolly, shaving covers, floor stand and instruction book. Enclosure protection class IP 54.

A wheel frame equipped with wheels that can be raised and lowered are available as accessories to allow ease of movement.

Suitable planing bits, see 20162-0309 page 170.



No 20556

Art. no.	20556	-0105		-0204
Luna	No	BPT-260 A		
Table length thicknesser	mm	1000		
Table length planer	mm	400		
Table height	mm	840		
Plane width jointer/planer	mm	260 / 255		
Max. material thickness when planing	mm	155		
Max. chip width jointer/planer	mm	3/3		
Feed speed	m/min	5		
Cutter diameter	mm	63		
Number of planing bits	ea	2		
Cutter speed	rpm	6500		
Motor voltage	V	230 1-phase 50 Hz		400 3-phase 50 Hz
Motor output	kW	2.0		2.2
Weight	kg	66		
Ditto for UK	20556	-6003		-
Wheel frame	20556	-0303		



No 20841, 21098

Luna. Planer and thicknesser with long, cast iron jointer table. The machine has a heavy-duty stop that can be tilted 45°. Both the tables open at the same time for setting between thickness and smooth planing. Handles for quick adjustment of the infeed and outfeed table. Feed rollers can be disengaged.

Supplied with three HSS planing bits, precision stop, cutter guard, 100 mm extractor sleeve and switch with zero voltage tripping.

Suitable planing bits – see 20913 page 170.

Art. no.		21098-0108	20841-0100	21098-0207
Luna	No	BPT 260 S	BPT 310 S	BPT 410 S
Table length, thicknesser	mm	1120	1400	1660
Table length, planer	mm	540	540	850
Table height	mm	850	850	850
Planing width smoothing/thickness	mm	260	310	410
Max. material thickness when thickness planing	mm	225	225	407
Max. chip thickness jointer/planer	mm	3/4.5	3/4.5	3/4.5
Feed speed	m/min	5.5	7	7
Cutter diameter	mm	70	70	70
Number of planing bits	ea	3	3	3
Planing bits, L x W x T	mm	260 x 25 x 3	310 x 25 x 3	410 x 25 x 3
Cutter speed	rpm	5500	5300	5500
Motor voltage	V	230 1-phase 50 Hz	400 3-phase 50 Hz	400 3-phase 50 Hz
Motor output	kW	1.7	2.2	3.0
Weight	kg	170	250	315
Ditto for Norway		-	20841-5000	21098-5008
Motor voltage	V	-	230 3-phase 50 Hz	230 3-phase 50 Hz
Ditto for UK	21098	-6006	-	-
Wheel frame	20841	-	-0506	-
Digital thickness gauge	20841	-0605	-0605	-0605

Wood working machines

Luna Spindle moulder



No 20895
(Picture shows with floor stand)

Router table

Luna. Bench model. Used together with portable routing machine or compass saws. Made of heavy duty steel. Fits the most available models. Supplied with two adjustable fences incl. holding down and side holder, Extraction nozzle 60 mm Ø, zero trip - protection class IP 54 and fixture screws.

Floor stand. Used together with table BRT 600. Adjustable for two different working heights.

Mounting plate (2) tightening the portable router to the table.

Art. no.	20895	-0105
Luna	No	BRT 600
Table top dimensions	mm	650x500
Height	mm	350
Weight	kg	14
Accessories:		
Adaptor for compass saw	20895	-0204
Floor stand	20895	-0303
Mounting plate, big	20895	-0402

Spindle moulder



Picture shows BSM-40

Luna. Spindle moulder with 4 different speeds adjustable by changing belts. Steel stand and heavy-duty cast iron milling table. Equipped with sleeve for connection to an extractor. Height setting of the milling spindle using at handwheel and locking knob. Supplied with motor cut-out IP54, adjustable milling guide and milling head.

Art. no.	20463	-0107	-0206	-0305
Luna	No	BSM-40	BSM-40	BSM-40T
Motor speed	rpm	2800	2800	2800
Table size	mm	480x690	480x690	640x710
Height table	mm	900	900	900
Spindle diameter	mm	30	30	30
Max. clamping height ..	mm	100	100	100
Spindle incline	°	-	-	(-5) - (+30)
Spindle speeds	r/min	1800 / 3000 / 6000 / 9000	1800 / 3000 / 6000 / 9000	1800 / 3000 / 6000 / 9000
Max. cutter diameter ...	mm	200	200	200
Extractor head	mm	100	100	100
Motor voltage	V	230 1-phase	400 3-phase	400 3-phase
Motor output	kW	2.0	2.8	2.8
Weight	kg	148	148	170
Ditto for Norway	20463	-	-5007	-5106
Motor voltage	V	-	230 3-phase	230 3-phase
Ditto for UK	20463	-6005	-	-
Accessories:				
Sliding table	20463	-0404	-0404	-0404
Table size	mm	500 x 480	500 x 480	500 x 480
Table movement	mm	1200	1200	1200

Spindle moulder

Feed unit

Luna. The feed unit can swivel around a column, whose socket is screwed directly on to the machine's table area. Suitable for most smaller carpentry machines, e.g. circular saws and milling machines. Suitable for milling and saw work in large series. This work is made much safer with Luna exciter set. Supplied with motor - enclosure protection class IP 54.

Art. no.	20113	-0101
Luna	No	BFE 32
No of rollers	ea	3
Drive roller Ø × width	mm	80×30
Suspension of rollers max.	mm	12
Feed speeds (forward/back)	m/min	5/6.5/8/11
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	0.18
Weight	kg	33
Ditto for UK	20113	-6009



No 20113

Combined mortise drilling and drilling machine

Luna. Combined mortise drilling and drilling machine. For making square drill holes (no mortise rounding necessary). Heavy-duty design of cast iron and wide base plate ensuring stability. The mortise drill unit can be raised and lowered using a gear rack, adjustable stop in depth, adjustable down holder and adjustable depth stop. Supplied as standard with 230V-1-phase motor, drill chuck for max. 12 mm drill and 1 mortise drill ½".

Suitable hollow chisels with drill see 20551 page 165.
Brochure on request.

Art. no.	20643	-0100
Luna	No	BMO 75
Drill chuck	mm	1-13
Max. mortise sleeves	mm	12
Vertical movement	mm	76
Max. distance stop/sleeve	mm	75
Max. distance sleeve/table	mm	120
Table size LxW	mm	340x145
Spindle speed	r/min	2800
Motor voltage	V	230 1-fas 50 Hz
Motor output	W	370
Total height	mm	780
Weight	kg	25
Ditto for UK	20643	-5901



No 20643

Luna. Combined mortise drilling and drilling machine. For making square drill holes (no mortise rounding necessary). The mortise drill unit is adjustable via a gear rack, the table is adjustable in length and depth. Adjustable length stop, two down holder and one side holder.

Supplied with drill chuck 16 mm and lower cabinet.
Suitable hollow chisels with drill see 20551 page 165.

Art. no.	20010	-0105
Luna	No	BMO 210
Drill chuck	mm	3-16
Hollow chisels	mm	6-24
Vertical movement	mm	210
Max. distance sleeve/stop	mm	140
Max. distance sleeve/table	mm	210
Table size L x W	mm	400 x 150
Table movement, length	mm	170
Table movement, cross	mm	140
Spindle speed	rpm	2800
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	1.1
Overall height	mm	1720
Weight incl. stand	kg	124
Ditto for UK	20010	-5906



No 20010

Wood working lathes



No 20011

Luna. Lathe in table model with cast lathe bed and spindle lock. Supplied with lower stand, drive centre, tailstock guide, journalled counter-centre and ejector rod. Enclosure class IP54.

Art. no.	20011	-0104
Luna	No	BWL 406
Centre distance	mm	406
Centre height	mm	152
Lathe diameter over bed	mm	305
Spindle passage	mm	9.5
Spindle thread	m	33 x 3.5
Headstock taper	MT	2
Tailstock taper	MT	2
Drive centre's spindle movement	mm	60
Spindle speed	ea	6
Spindle speed	rpm	360-3250
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	0.37
Weight	kg	48
Ditto for UK	20011	-6002

Wood working machines

Disc sander

Luna. Disc sander for sanding wood. Cast iron sanding table, adjustable 90°-45°, with gear rack and equipped with mitre guide. Supplied with aluminium polishing disc. Velcro back for sanding paper. Equipped with manual disc brake. Connection for suction hose med sleeve 57 mm. Enclosure class IP 54



No 20009

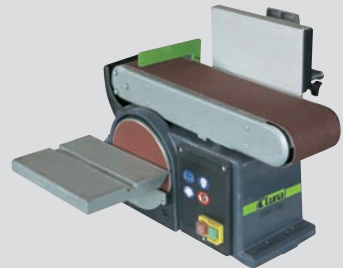
Art. no.	20009	-0108
Luna	No	BDS 300
Polishing disc diameter	mm	305
Table size	mm	435x165
Table height	mm	245
Disc speed	rpm	1420
Motor voltage	V	230 1 phase 50 Hz
Motor output	kW	0.74
Weight	kg	33
Ditto for UK	20009	-6006

Comb. belt/disc sanding machines

Luna. Combined belt and disc sanding machine for wood. Adjustable sanding table (45°) with mitre line used with disc polishing. The polishing bar can be variably adjusted vertically and is equipped with a 45° tiltable length stop (for edge sanding and bevelling) and an end stop. Belt tightener and adjustment wheel allow simple changing and adjustment of abrasive belt.

Supplied with sanding table, mitre line, length stop, end stop and Velcro fastener for the abrasive paper. Ready for connection to an extractor with 63 mm sleeve, enclosure protection class IP 44.

Art. no.	20519	-0101
Luna	No	BBD 100
Belt dimension.....	mm	100x915
Band speed	m/s	8
Polishing disc diameter	mm	150
Sanding disc speed	rpm	2850
Motor voltage.....	V	230 1-phase 50 Hz
Motor output.....	kW	0.44
Weight.....	kg	20
Ditto for UK	20519	-5902



No 20519

Luna. Combined belt and disc sanding machine. Heavy-duty design with cast iron base providing excellent stability. The sanding bar can also be variable adjusted vertically - covered with graphite cloth. Quick locking of the abrasive belts with automatic adjustment. Easy lateral belt adjustment. Disc sanding table adjustable 90-45°, equipped with mitre guide. Disc pad for self-fixing sanding discs. Ready for connection to an extractor. Enclosure protection class IP 44.

Supplied with zero voltage tripping, aluminium sanding table with stop, mitre guide and abrasive belt.

Art. no.	20645	-0108
Luna	No	BBD 150
Belt dimension B x L.....	mm	150 x 1220
Band speed	m/s	8.6
Polishing disc diameter	mm	250
Sanding disc speed	rpm	1440
Sanding table (Disc sanding) W x L.....	mm	200 x 355
Connection sleeve Ø	mm	63
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	0.8
Weight	kg	47
Ditto for UK	20645	-6006
Support	20645	-0504



No 20645

Belt sanding machines



No 20558

Luna. Belt sander in floor model design. Simple belt tension with lever and adjustment with wheel. The sanding bar, which is equipped with a graphite pad, can easily be folded 90° in relation to the sanding table. The front sanding board is also adjustable for maximum use of the abrasive belt. Enclosure class IP54. Supplied with 2 sanding tables in aluminium, both tiltable 0-45° and with mitre guide, sanding belt, extractor sleeve and lower beam.

Wood working machines

Art. no.	20558	-0103		-0202
Luna	No		BBS 2000	
Max. sanding length	mm		790	
Abrasive belt dimension	mm		150x2000	
Band speed	m/sec		13	
Working height	mm		800	
Bench size, front bench	mm		790x220	
Bench length, side bench	mm		510x220	
Sanding roll diameter	mm		70	
Extraction sleeve∅	mm		100	
Motor voltage	V	230 1-phase 50 Hz		400 3-phase 50 Hz
Motor output	kW		1,5	
Weight	kg		86	
Ditto for Norway	20558	-		-5003
Motor voltage	V	-		230 3-phase 50 Hz
Ditto for UK	20558	-5904		-

Dust collectors

For woodworking machines

Luna. Compact extractor hood which fits machines with extractor sleeve 100 mm, suitable for planes up to 260 mm width. Easy to move between different machines thanks to a stand equipped with transport wheels and a sliding handle. The chip is separated into a single use plastic sack, easy change of chip sacks thanks to a clamp with quick action clamp. Supplied as standard with castor frame, filter case and chip bag. Aluminium motor IP 54, start and stop device and 1.5 meter connection cable. Also supplied with a floor extractor.

Art. no.	20960	-0105
Luna	No	BDC 85
Dimensions WxDxH	mm	380x845x1500
Extraction capacity free flow	m ³ /h	850
Connection Ø	mm	100
Motor voltage	V	230 1-phase 50 Hz
Motor output	kW	0.55
Weight	kg	33
Ditto for UK	20960	-5906
Filter case	20959	-0108
Plastic chip bags, 60 l.	8236	-1601
No. per	pack.	25



No 20960

Luna. Extractor hood suitable for wood processing machines with extractor sleeve 125/100 mm, planes up to 350 mm. Fan housing with well-balanced impeller. Equipped with extractor branch connection Ø 2x100 mm. Plastic chip bags and textile filter bags. Simple and rapid changes by means of a quick action band. The chip bag rests on the base plate, which is equipped with 4 wheels. Supplied with stand on castors, filter hood, chip sack, branch pipe Ø 2x100 mm, switch with zero voltage tripping - enclosure protection class IP 54. (NB. Area of the extension cable minimum 1,5 mm².)

Art. no.	20550	-0200	-0309
Luna	No	BDC 240	BDC 240
Dimensions WxDxH	mm	850x560x1950	850x560x1950
Volume of chip bag	l	120	120
Extraction capacity free flow	m ³ /h	2100	2100
Air speed for primary connection	m/sec	31	31
Connection Ø on primary connection/branch	mm	1 x 125 / 100 x 2	1 x 125 / 100 x 2
Sound level	dB (A)	84	84
Motor voltage	V	230 1-phase 50 Hz	400 3-phase 50 Hz
Motor output	kW	1.5	1.5
Weight	kg	51	51
Ditto for UK	20550	-5902	-
Accessories:			
Plastic chip bags, 120 l.	8236	-1056	-1056
No. per	pack.	10	10
Filter case	20550	-1000	-1000



No 20550



No 20856

Dust collectors

For woodworking machines

Luna. Extractor hood with double collection sacks. Suitable for wood processing machines with extractor sleeve 125/100 mm, planes up to 400 mm. Three inlets of 100 mm or 1 inlet of 150 mm. Easy to move on account of the base plate fitted with castors. Extractor is equipped with plastic chip sacks and textile filter bags.

Supplied with stand with castors, branch pipe 3x100 mm, switch with zero voltage tripping - enclosure class IP54.

Art. no.	20856	-0102
Luna	No	BDC 300
Inlet Ø on primary connection/branch ..	mm	1x150/3x100
Diameter, fan	mm	305
Sack capacity	l	430
Extraction capacity free flow	m ³ /h	3000
LxWxH	mm	1460x720x2160
Sound level	dB (A)	85
Motor voltage	V	400 3-phase 50 Hz
Motor output	kW	2.2
Weight	kg	59
Ditto for Norway	20856	-5002
Motor voltage	V	230 3-phase 50 Hz
Plastic chip bags, 160 l	8236	-1700
No. per	pack.	10



No 20844

Cartridge filters

Luna. Cartridge filter used for all types of suction except wet suction. Used in combination with extractor hood that draws in dust from plasterboards, grains, belt polishers, lime plants, pigment, cellulocotton, sawdust, wood chips, lacquer dust, etc. Fitted instead of the filter case on the extractor hood. Suitable extractor hood with connection diameter 370 mm e.g. BDC 85 and 490 mm e.g. BDC 120/240.

Art. no.	20844	-0107	-0206
Luna	No	BMF 370	BMF 490
Connection diameter	mm	370	490
Height	mm	480	625
Weight	kg	6	9

Reducer, suction hoses, etc.

Luna. Sheet metal reducers and extension pieces, hard plastic damper and branches. Flexible plastic suction hoses with coil.

Reducer

Diameter mm	Reducer Art. no.
External 100-63 ext.	-0108
External 125-100 Ext.	-0207
External 160-100 Ext.	-0306
External 160-125 Ext.	-0405
External 200-100 Ext.	-0454
External 200-125 Ext.	-0504



Reducer

Extension pieces

Diameter mm	Extension piece Art. no.
External 100	-0801



Extension piece

Branching

Diameter Primary connection int./branch connection. ext. mm	Branching Art. no.
45° 1x100 / 2x100	-0107
45° 1x125 / 2x125	-0206
90° 1x125 / 2x100	-0305
90° 1x125 / 2x125	-0404

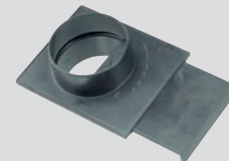


Branch pipe 45°

Luna. Damper and branch for connection using a short hose bit.

Damper (made of hard plastic)

Diameter ext. both sides mm	Damper Art. no.
100	-0503
125	-0602



Damper

Suction hoses

Diam.xlength mm	Suction hoses Art. no.
63x2000	7571-0251
100x2500	20994-0105
100x3000	8236-0405
100x25000 (whole roll)	8236-1403
125x3000	7344-1008



Suction hose

Lathe accessories



No 20524

Luna. Bowl chuck for M33/M24 spindle thread with 4 **centred** back segment for interior and exterior tightening for bowl turning, etc..
Supplied with screw cartridge, adaptor, (M24x3, M33x3,5) and lock-tightening pins.

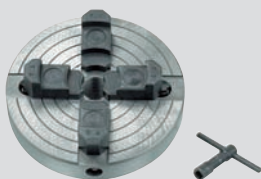
Art. no.	20524	-0104
Diameter	mm	100
Number of jaws (segments)	ea.	4
Interior tension min.-max	mm	54-79
Exterior tension min.-max	mm	43-69
Clamping depth max.	mm	17
Attachment thread	mm	M24x3 / M33x3,5



No 20525

Luna. Lathe chuck for lathe-spindle M33/M24 spindle thread with 4 **centred** jaws for interior and exterior tension.
Supplied with M33 / M24 adaptor and the necessary lock-tension pins.

Art. no.	20525	-0103
Diameter	mm	125
Number of jaws	ea.	4
Interior tension min.-max.	mm	90-120
Exterior tension min.-max	mm	70-100
Attachment thread		M24x3 / M33x3,5



No 20526

Luna. Lathe chuck for lathe-spindle M33/M24 spindle thread with 4 **individual** adjustable step jaws for interior and exterior tension.
Supplied with M33 / M24 adaptor and necessary key.

Art. no.	20526	-0102
Diameter	mm	150
Number of jaws (segments)	ea.	4
Interior tension min.-max	mm	120-160
Exterior tension min.-max	mm	25-130
Attachment thread		M24x3 / M33x3,5

Roller support for woodworking



No 20157

Luna. Roller support with angle-adjustable support roller. Suitable for work with round and square (diagonal sawing) work objects.

Art. no.	20157	-0108
Height adjustable	mm	710-1150
Total width of support roller	mm	390
Max. load	kg	45
Weight	kg	5



No 20158

Luna. An aid primarily for jointers, planes, circular saws and millers. With ball bearing-mounted roller and heavy-duty stand.

Art. no.	20158	-0107
Height adjustable	mm	680-1130
Support roller width	mm	400
Max. load	kg	80
Weight	kg	7

Roller support for woodworking

Luna. Combined revolving sliding rest for planes, circular saws and millers, with pivotable support head (one position with roller, one position with sliding track). Adjustable height locked using a foot pedal.

Art. no.	20159	-0106
Height adjustable	mm	680-1130
Support roller width	mm	400
Max. load	kg	80
Weight	kg	7



No 20159

Roller table

Luna. Roller table: Universal for work with long and heavy work pieces. Height adjustable with 9 rollers. Fits all machines with table/working heights between 660-1090 mm.

Art. no.	20160	-0103
Length x width	mm	1600x460
Height adjustment from/to	mm	660-1090
RollersØ	mm	58
No of rollers	ea.	9



No 20160

Stand

Luna. Stable steel construction. Gold-chromed. Edge-weight table top. Angle bent legs 100x100 mm with margin. Punched holes for height adjustability (50 mm interval), and for fixing to floor or for mounting castors or feet. Specially adapted for machines such as circular saws, band saws, planes, drills, belt sanders etc.

Art. no.	20161	-0102
Type		SS41-66
Table size	mm	650x500
Height, adjustable	mm	410-660
Weight	kg	20



No 20161

Cross cutting blades

Luna. Circular saw blades with tungsten carbide teeth. For cross cutting saws.

Diam. mm	Holes resp. insert mm	Quantity teeth ea.	Cut width/ blade life mm	Tooth grinding	Art. no.
					20577
400	30	36	3.5/2.5	Alternately	-4607
500	30	44	4.0/2.8	Alternately	-4706
600	30	52	4.0/3.0	Alternately	-4805
650	30	56	4.0/3.0	Alternately	-4904
700	30/35	60	4.0/3.0	Alternately	-5000



No 20577



No 20862

Hinge drill bits

Luna. Double cutting hard metal - with centre point. Straight shank.

Art. no.	20862	-0104	-0203	-0302
Diameter	mm 26	26	30	35
Shank diameter	mm 8	8	8	8
Total length	mm 60	60	60	60



No 20551

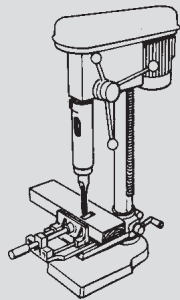
Mortise chisels with drill

Luna. From tool steel. Hardened and polished. For drill mortising machines. Gives square hole. Rectangular holes are obtained by repeated chiseling. Straight shank.

Size □ mm	Art. no.	Hollow chisels with drill Chisel depth mm	Shank Ø×length mm
	20551		
6.4	-0100	45	19×40
8.0	-0209	60	19×40
9.5	-0308	70	19×40
11.0	-0407	70	19×40
12.7	-0506	80	19×40
14.0	-0605	80	19×40
15.0	-0704	100	19×40
18.0	-0803	135	28.5×40



No 20828



Mortise drill adaptor

Luna. For mounting in bench drilling machines with throat Ø 58 or 55-66 mm. The piece of wood must be secured in a machine vice to prevent it following the return stroke.

Art. no.	20828	-0206
For connection to		bench drill
Connection diameter	mm	Ø 58, 55-66
For hollow chisel shank Ø	mm	19

Bits for wood

Slot mortising bits



No 20867

Luna. Made of tool steel. With two straight blades Polished. Cylindrical drive length 50 mm. (High-speed steel can be supplied on special order.)

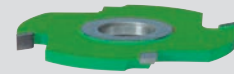
Art. no.	20867	-0109	-0208	-0307	-0406	-0505	-0604
Diameter	mm 6	6	6	8	8	10	10
Thread		Right	Left	Right	Left	Right	Left
Cutting length	mm 35			45		50	
Total length	mm 105			115		125	
Shank diameter	mm 13			13		13	
Art. no.	20867	-0703	-0802	-0901	-1008	-1107	-1206
Diameter	mm 12	12	12	14	14	16	16
Thread		Right	Left	Right	Left	Right	Left
Cutting length	mm 60			70		75	
Total length	mm 135			145		155	
Shank diameter	mm 13			13		13	

Bits for wood

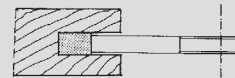
Slot cutters

Luna. Tungsten carbide with pilot. For groove milling, smaller channels, straight dovetailing (with several bit sand spacer rings) smaller dowels and slots.

Art. no.	20686	-0108	-0207	-0306	-0405	-0504
Cutting width	mm	4	6	8	10	12
Outside diameter	mm	120	120	120	120	120
Hole diameter	mm	30	30	30	30	30
Max. speed	rpm	10000	10000	10000	10000	10000

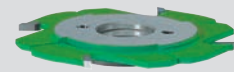


No 20686

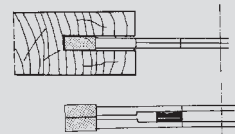


Luna. Adjustable, double cutting miller with hard metal blade. Adjustable with spacer rings (2 + 2 blade).

Art. no.	20688	-0106
Adjustable cutting width	mm	4-8
Outside diameter	mm	120
Hole diameter	mm	30
Max. speed	rpm	10000



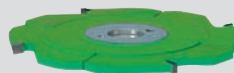
No 20688



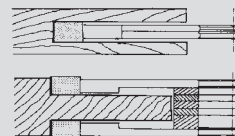
Slot and shank end cutter sets

Luna. Hard metal. Two blade set of slot and dowel tool (2 + 2 blade). The set consists of two bits which have adjustable slot width of 8-16 mm through associate spacer rings. When milling dowels, the bits are used and spaced with spacer rings for a dowel width of between 8-16 mm.

Art. no.	20698	-0104	-0203
Outside diameter	mm	160	200
Cutting width	mm	8-16	8-16
Max. dowel length	mm	45	65
Hole diameter	mm	30	30
Max. speed	rpm	8000	7000



No 20698



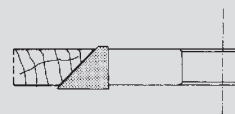
Phase cutters

Luna. Double edged tungsten carbide mills with 45° angle. For bevelling straight and curved working objects. Can be combined with 90 mm copying ring.

Art. no.	20685	-0109
Cutting width	mm	15
Angle		45°
Outside diameter	mm	120
Hole diameter	mm	30
Max. speed	rpm	10000



No 20685

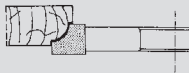


Bits for wood

Radius cutters



No 20689



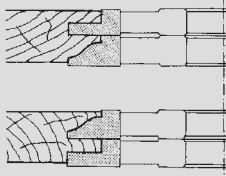
Luna. Double cutting hard metal blades. For truing straight and curved working objects. Can be combined with 80 or 90 mm copying ring.

Art. no.	20689	-0105	-0204
Radius	mm	5	10
Outside diameter	mm	100	110
Hole diameter	mm	30	30
Max. speed	rpm	12000	12000

Contra profile cutter set



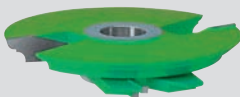
No 20690



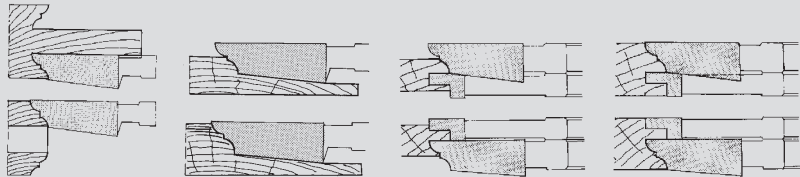
Luna. With hard metal edge. For hatch and door milling. Thanks to the design of this tool, you don't need to use space rings. The tool can cut the entire extrusion. This means that pin length and slot depth are always correct without adjustment. The miller spindle does not need to be height adjusted when milling the pin section or length section. These dimensions are built into the tool.

Art. no.	20690	-0102
Outside diameter	mm	116
Shaft length	mm	13
Tapp thickness	mm	5
For material thickness	mm	18.5-22
Hole diameter	mm	30
Max. speed	rpm	10000

Door cutter set



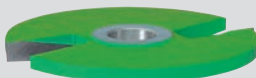
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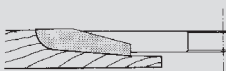
Luna. With hard metal edge. Milling set for milling both friezes and contra profiles. The tool makes it possible to manufacture shutters and doors. When milling contra profiles for doors, an adjustable grooving cutter is also necessary for milling the groove for the dowel.

Art. no.	20691	-0101
Outside diameter	mm	160
Form cutter width	mm	17
Slot cutter width	mm	5 + 5
Hole diameter	mm	30
Max. speed	rpm	8000

Door panel cutters



No 20687



Picture shows 0107



Picture shows 0206

Luna. Double cutting hard metal miller. For milling friezes on door panels.

Art. no.	20687	-0107	-0206
Outside diameter	mm	160	160
Radius	mm	8	-
Max. cutting length	mm	55	55
Incline	°	5°	5°
Hole diameter	mm	30	30
Max. speed	rpm	8000	8000

Bits for wood

Spacer rings



Luna. Used as spacers to obtain the right slot width for work with millers, milling combinations and slitters.

No 20855

Art. no.	20855	-0103	-0202	-0301	-0400	-0509	-0608	-0707	-0806
Diam.xhole	mm	58x30	58x30	58x30	58x30	58x30	58x30	58x30	58x30
Thickness	mm	0.1	0.2	0.5	1.0	2.0	5.0	10.0	20.0

Profiling rings (template rings)

Luna. Ball bearings. Complemented with exchangeable profiling rings in various diameters. Intended for milling with templates. Also set of 5 profiling rings (and one ball bearing) in different sizes.



No 12002

No 20851

Ball bearing	12002														
Outside diameter	mm														
Inside diameter	mm														
Profiling rings	20851	-0305	-0404	-0503	-0602	-0701	-0800	-0909	-1006	-1105	-1204				
Outside diameter	mm	85	90	93	95	100	105	110	115	120	125				
Thickness	mm	12	12	12	12	12	12	12	12	12	12				
Inside diameter	mm	55	55	55	55	55	55	55	55	55	55				
Profiling set, 5	20851														
Outside diameter	mm														
Profiling set, 5	20851														
Outside diameter	mm														

Universal cutter

Luna. Universal milling cutter of light metal with two guide pins for easy and exact assembly of the profile steel. The cutter is designed for profile steel without deflector and is approved for mechanical feeding (MEC). The cutters can be stacked using the guide pins. Supplied with a pair of rebate cutters and hex-keys.

Art. no.	20500	-0102
Cutter diameter without/with steel	mm	88/93
Blade cutting width	mm	40
Hole diameter	mm	30

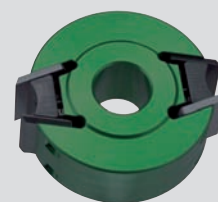


No 20500

Universal cutter sets

Luna. Universal milling cutter of light metal with deflector. The form bit is fitted on the guide pin, this takes place with a pair of cutters and a pair of deflectors. The cutter is approved for manual feeding. The cutter set is supplied in storage box with the milling cutter including rebate bit, joint gluing bit, grooving mill 6 mm, tonguing bit 6 mm, round nose bit, cornice bit, counter-contour bit as well as deflector (bit no. 00, 16, 17, 22, 77, 97, 100).

Art. no.	20582	-0103
Cutter diameter	mm	112
Blade cutter width	mm	40
Hole diameter	mm	30
Suitable speed	rpm	5800-9000



Cutter (MAN)



Profile knives



Set 1S



Luna. Profile tool steel of hardened carbon steel with a height of 40 mm and thickness of 4 mm. Steel blank profile 4x40 is an unground blank that permits a 40 mm high and 15 mm deep profiles. The deflector tool steel (S) is an approx 1 mm shallower steel pair that sit backward facing in the cutter (for the cutter marked MAN). This deflector tool steel reduces the risk of ripping and kickback. The cutter MAN is approved for manual feeding. All tool steel supplied in pairs.

Wood working machines

Profile No	Spare profile steel Art. no. 20501	Profile No	Deflector steel Art. no. 20945	Profile No	Spare profile steel Art. no. 20501	Profile No	Deflector steel Art. no. 20945
4x40		4x40S		43		43S	
00	-0101	00S	-0105	48	-2404	48S	-2408
01	-0200	01S	-0204	52	-2503	52S	-2507
03	-0309	03S	-0303	65	-2602	65S	-2606
04	-0408	04S	-0402	66	-2701	66S	-2705
05	-0507	05S	-0501	70	-2800	70S	-2804
08	-0606	08S	-0600		-2909		-2903
09	-0705	09S	-0709	74	-3006	74S	-3000
11	-0804	11S	-0808	75	-3105	75S	-3109
	-0903		-0907	76	-3204	76S	-3208
13	-1000	13S	-1004	77	-3303	77S	-3307
14	-1109	14S	-1103	80	-3402	80S	-3406
15	-1208	15S	-1202	81	-3501	81S	-3505
16	-1307	16S	-1301	82	-3600	82S	-3604
17	-1406	17S	-1400	87	-3709	87S	-3703
19	-1505	19S	-1509				
20	-1604	20S	-1608	96	-3808	96S	-3802
21	-1703	21S	-1707	97	-3907	97S	-3901
22	-1802	22S	-1806	98	-4004	98S	-4008
24	-1901	24S	-1905	99	-4103	99S	-4107
25	-2008	25S	-2002	100	-4202	100S	-4206
28	-2107	28S	-2101	112	-4301	112S	-4305
29	-2206	29S	-2200	124	-4400	124S	-4404
31	-2305	31S	-2309	Set 1	-4509	Set 1S	-4503

Planer knives

Luna. High-speed steel or hard metal plane steel for direct fitting to stationary planes.

No 20913

Fits machine type	Length mm	Width mm	Thick- ness mm	High-speed steel		Tungsten carbide	
				Art. no.	Quantity steel /set	Art. no.	Quantity steel /set
Luna Z 40	155	16	3	-0103	2	-2703	2
Emco Star 3000	180	20	2,5	-0202	2	-2802	2
Luna Z 50	210	19	3	-0301	3	-2901	3
Luna W 59, L38-250	250	25	3	-0400	2	-3008	2
Proffy BHM 260, Ferax FHM 260	250	30	3	-0459	3	-3057	3
Emco Woodworker MH26/Emco King	260	25	3	-0509	2	-3107	2
Emco 2000, B 20, 6231 K	260	25	3	-0509	2	-3107	2
Inca 343.190	260	25	3	-0509	2	-3107	2
Luna BPT 260S	260	25	3	-0517	3	-3115	3
Lab 260	260	30	3	-1002	3	-3602	3
Emco Woodworker MH30/B 30	300	25	3	-0608	2	-3206	2
Luna KRP-30	300	25	3	-0707	3	-3305	3
Luna K-30, Mini Max FS 30, Lab 30, Lab 300 N, CU 300K	300	30	3	-0806	3	-3404	3
Proffy WHM 310 / Luna BPT 310 S	310	25	3	-0855	3	-3453	3
Proffy BHM 310, Ferax FHM 310	310	30	3	-0905	4	-3503	4
Luna W 64, H 31, L 38/310	310	30	3	-1101	2	-3701	2
L 38/310	310	30	3	-1200	3	-3800	3
Luna KRP -35, Mini Max FS 350, Mini Max CU 350 K	350	30	3	-1309	3	-3909	3
Luna KRP -40, Luna PH-40	400	30	3	-1408	3	-4006	3
Luna BPT 410S	410	25	3	-1416	3	-4014	3
Luna KRP-41	410	30	3	-1507	3	-4105	3
Luna W 69, L 39	410	30	3	-1606	2	-4204	2
Top Master FS 410	410	30	3	-1705	4	-4303	4
Mini Max FS41/CU 410 K	410	30	3	-1804	4	-4402	4
Formula F 1	410	35	3	-1903	4	-4501	4
Luna RH/PH-50	500	35	3	-2000	4	-4600	4
Top Master FS 515	515	30	3	-2109	4	-4709	4
Formula SP 1	520	35	3	-2208	4	-4808	4
Top Master DT 530	530	30	3	-2307	4	-4907	4
Luna RH 53	530	35	3	-2406	4	-5003	4
Top Master AD/PS	630	30	3	-2502	4	-5102	4
Luna PH 63	630	35	3	-2604	4	-5201	4

Reversible

Luna. Suitable for stationary plane machines

Planing bits

Fits machine type	Length mm	Alloyed tool steel Art. no.	High-speed steel Art. no. 20162
Woody HM 160	160	20162-0101	-0200
Luna BPT 260A	260	20556-0709	-
*) Emco Woodworker MH26/Emco King	260	20162-0507	-
*) Emco Woodworker MH30/B 30	300	20162-0606	-
Proffy HM 280	280	20911-0105	-0804

*) Used in combination with holder.



No 20957

Band saw blades

For wood

Luna. Thin. Extra quality with profile-ground teeth. **Hardened tooth points.** Special profile for work in soft metals, particle boards, plastic, laminate, beech, oak and other hard wood species. From toughened band steel. Supplied directional and ready joined. The setting is of the left-right type.

Length mm	Series	6 mm wide x 0.36 mm 4 mm tooth pitch <i>Art. no.</i> 20957	10 mm wide x0.36 mm 4 mm tooth pitch <i>Art. no.</i> 20957	16 mm wide x0.36 mm 4 mm tooth pitch <i>Art. no.</i> 20957
1350	61P	-0100	-1207	-2254
1430	81P	-0209	-1306	-
1500	62P	-0308	-1405	-2304
1780	64P	-0407	-1504	-2403
1815	-	-0506	-1603	-
1840	-	-0605	-1702	-2502
1870	65P	-0704	-1801	-2601
2120	70P	-0803	-1900	-2700
2225	-	-0902	-2007	-2809
2240	-	-1009	-2106	-2908
2296	-	-1108	-2205	-3005



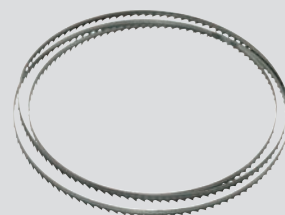
No 20864

Luna. Hardened tooth points bandsaw blade for bandsaws and portable sawmill.

Length mm	Thickness mm	Tooth pitch mm	31 mm wide		38 mm wide		51 mm wide	
			<i>Art. no.</i> 20864	Pack. qty	<i>Art. no.</i> 20864	Pack. qty	<i>Art. no.</i> 20864	Pack. qty
2760	1.06	19	-0102	5*	-	-	-	-
3280	1.06	22	-	-	-0201	5*	-	-
4000	1.06	22	-	-	-0300	5*	-	-
4100	1.06	22	-0128	1	-	-	-	-
4250	1.06	22	-	-	-0409	5*	-	-
4520	1.06	22	-	-	-0508	5*	-	-
4590	1.06	22	-0144	1	-	-	-	-
4760	1.06	22	-	-	-0607	5*	-	-
5020	1.06	22	-0169	1	-	-	-	-
5030	1.06	22	-	-	-0706	5*	-	-
5070	1.06	25	-	-	-	-	-0805	5*
5700	1.06	25	-0185	1	-	-	-	-

Band saw blades

For wood



Nr 20998

Luna. Hardened tooth points bandsaw blade for solid wood yet also for lighter work in soft metals, chipboard, plastic, laminate, beech, oak and other hard woods. Supplied aligned, ready joined and set. Other dimensions available on request. NOTE: minimum quantity 3 per dim.

Bandsaw blades with bigger width see page 173.

Length	Thickness	Tooth pitch	4 mm wide	6 mm wide	10 mm wide
mm	mm	mm	<i>Art. no. 20998</i>	<i>Art. no. 20998</i>	<i>Art. no. 20998</i>
1350	0.36	4.0	-	-0259	-1174
1400	0.36	4.0	-	-0275	-1208
1430	0.65	1.8	-0101	-	-
1500	0.36	4.0	-	-0309	-1224
1500	0.65	1.8	-0127	-	-
1510	0.36	4.0	-	-0325	-1257
1650	0.36	4.0	-	-0358	-1273
1710	0.36	4.0	-	-0374	-1307
1815	0.36	4.0	-	-0408	-1323
1870	0.36	4.0	-	-0424	-1356
1870	0.65	1.8	-0150	-	-
1900	0.36	4.0	-	-0457	-1372
2000	0.36	4.0	-	-0473	-1406
2100	0.36	4.0	-	-0507	-1422
2120	0.36	4.0	-0176	-0523	-1455
2170	0.36	4.0	-	-0556	-1471
2121	0.65	1.8	-	-	-
2190	0.65	1.8	-0200	-	-
2190	0.63	6.0	-	-0572	-1505
2240	0.63	6.0	-	-0606	-1521
2296	0.36	4.0	-	-0622	-1554
2360	0.63	6.0	-	-0655	-1570
2370	0.63	6.0	-	-0663	-1596
2470	0.63	6.0	-	-0671	-1604
2490	0.63	6.0	-	-0705	-1620
2630	0.63	6.0	-	-0713	-1638
2650	0.36	4.0	-	-0721	-1653
2650	0.65	1.8	-0226	-	-
2810	0.63	6.0	-	-0754	-1679
2950	0.63	6.0	-	-0770	-1703
3090	0.63	6.0	-	-0804	-1729
3150	0.63	6.0	-	-0820	-1752
3350	0.63	6.0	-	-0853	-1778
3360	0.63	6.0	-	-0879	-1802
3410	0.63	6.0	-	-0903	-1828
3500	0.63	6.0	-	-0911	-1836
3607	0.63	6.0	-	-0920	-1844
3634	0.63	6.0	-	-0929	-1851
3650	0.63	6.0	-	-0952	-1877
3720	0.63	6.0	-	-0978	-1901
3900	0.63	6.0	-	-1000	-1927
4000	0.63	6.0	-	-1026	-1950
4100	0.63	6.0	-	-1059	-1976
4240	0.63	6.0	-	-1075	-2008
4590	0.63	6.0	-	-1109	-2024
4800	0.63	6.0	-	-1125	-2057
5020	0.63	6.0	-	-1158	-2073
5700	0.63	6.0	-	-	-2107



No 20998

Band saw blades For wood

Luna. Hardened tooth points bandsaw blade for solid wood yet also for lighter work in soft metals, chipboard, plastic, laminate, beech, oak and other hard woods. Supplied aligned, ready joined and set. Other dimensions available on request. NOTE: minimum quantity 3 per dim.

Length	Thickness	Tooth pitch	16 mm wide	19 mm wide	25 mm wide
mm	mm	mm	<i>Art. no. 20998</i>	<i>Art. no. 20998</i>	<i>Art. no. 20998</i>
1350	0.36	4.0	-2123	-	-
1500	0.36	4.0	-2156	-	-
1650	0.36	4.0	-2172	-	-
1710	0.36	4.0	-2206	-	-
1870	0.36	4.0	-2222	-	-
1900	0.36	4.0	-2255	-	-
2000	0.36	4.0	-2271	-	-
2100	0.36	4.0	-2305	-	-
2120	0.36	4.0	-2321	-	-
2170	0.36	4.0	-2354	-	-
2190	0.63	6.0	-2370	-	-
2240	0.81	6.0	-2404	-	-
2296	0.36	4.0	-2420	-	-
2360	0.81	6.0	-2453	-	-
2370	0.81	6.0	-2495	-	-
2470	0.81	6.0	-2479	-	-
2630	0.81	6.0	-2511	-2990	-
2490	0.81	6.0	-2503	-	-
2650	0.81	6.0	-	-3006	-
2650	0.36	4.0	-2529	-	-
2810	0.81	6.0	-2552	-	-
2950	0.81	6.0	-2578	-	-
3090	0.81	6.0	-2602	-	-
3150	0.81	6.0	-2628	-	-
3350	0.81	6.0	-2651	-	-
3360	0.81	6.0	-2677	-3022	-
3410	0.81	6.0	-2701	-	-
3607	0.81	6.0	-2719	-3030	-
3634	0.81	6.0	-2727	-3055	-
3500	0.81	6.0	-2735	-3063	-
3650	0.81	6.0	-2750	-3071	-
3720	0.81	6.0	-2776	-3105	-
3900	0.81	6.0	-2800	-3121	-3329
4000	0.81	6.0	-2826	-3154	-
4100	0.81	6.0	-2859	-3170	-
4240	0.81	6.0	-2875	-3204	-
4590	0.81	6.0	-2909	-3221	-
4800	0.81	6.0	-2925	-3253	-3352
5020	0.81	6.0	-2958	-3279	-
5700	0.81	6.0	-2974	-3303	-

Twist drills

Short

Luna. HSS. Helix pitch 28°. Point angle 118°. Vapour treated.

No 20931



Art. no.	Dia-meter	Overall length	Flute length	Quantity drill per SB-card	Quantity cards per pack.	Art. no.	Dia-meter	Overall length	Flute length	Quantity drill per SB-card	Quantity cards per pack.
20931	mm	mm	mm			20931	mm	mm	mm		
-0101	1	34	12	2	5	-1307	6	93	57	1	5
-0200	1.5	40	18	2	5	-1406	6.5	101	63	1	5
-0309	2	49	24	2	5	-1505	6.8	109	69	1	5
-0408	2.5	57	30	2	5	-1604	7	109	69	1	5
-0507	3	61	33	2	5	-1703	7.5	109	69	1	5
-0606	3.3	65	36	2	5	-1802	8	117	75	1	5
-0705	3.5	70	39	2	5	-1901	8.5	117	75	1	5
-0804	4	75	43	2	5	-2008	9	125	81	1	5
-0903	4.2	75	43	1	5	-2107	9.5	125	81	1	5
-1000	4.5	80	47	1	5	-2206	10	133	87	1	5
-1109	5	86	52	1	5	-2305	11	142	94	1	5
-1208	5.5	93	57	1	5	-2404	12	151	101	1	5
						-2503	13	151	101	1	5

Short - machined shank

Luna. With machined straight shank. HSS. Helix pitch 28°. Point angle 118°. Vapour treated.

No 20512



Art. no.	Dia-meter	Overall length	Flute length	Cyl. drive	Pack.	Art. no.	Dia-meter	Overall length	Flute length	Cyl. drive	Pack.
20512	mm	mm	mm	mm	qty	20512	mm	mm	mm	mm	qty
-0108	10.5	133	87	10	5	-1106	15.5	178	120	10	5
-0207	11	142	94	10	5	-1205	16	178	120	10	5
-0306	11.5	142	94	10	5	-1304	16.5	184	125	13	5
-0405	12	151	101	10	5	-1403	17	184	125	13	5
-0504	12.5	151	101	10	5	-1502	17.5	191	130	13	5
-0603	13	151	101	10	5	-1601	18	191	130	13	5
-0702	13.5	160	108	10	5	-1700	18.5	198	135	13	5
-0801	14	160	108	10	5	-1809	19	198	135	13	5
-0900	14.5	169	114	10	5	-1908	19.5	205	140	13	5
-1007	15	169	114	10	5	-2005	20	205	140	13	5

Drill sets

With wood, metal and concrete drills

Luna. Combi-Box. Twist drills for metal, concrete and wood. The drills have the same diameters in the three different series. Plastic cassette with twist top to set to the required dimension according to a graduated scale. One drill can be taken out per setting.

Art. no.	20873	-0101
No. of drills.	ea. 18	18
Dimensions.	mm 3 4 5 6 8 10	3 4 5 6 8 10
Pack.	kpl 16	16



No 20873

With high speed steel drill bits

Luna. Maxi-Box. Twist drills HSS. Plastic cassette with twist top to set to the required dimension according to a graduated scale. One drill can be taken out per setting.

Art. no.	20954	-0103
No. of drills.	ea. 19	19
Dimensions (0.5 mm interval)	mm 1-10	1-10
Pack.	kpl 16	16



No 20954

Luna. 23 parts drill set HSS. Supplied in plastic case. The set contains the following sizes: 1, 1.5, 2, 2.5, 3, 3.2, 3.3, 3.5, 4, 4.2, 4.5, 4.8, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10 mm.

Art. no.	20142	-0106
Contains no. of drills.	ea 23	23
Pack.	qty 5	5



No 20142



No 20115

Hole saws For metal

Luna. Holesaws. Bi-metal. High-grade high speed steel teeth, ductile tool steel on the blade backing. Holesaw with variable tothing gives a rapid cutting process and good chip removal. Saw depth 41 mm. Used with separate holder.
Arbor see 20116 this page.

Art. no.	20115	-0109	-0208	-0307	-0406	-0505	-0604	-0703	-0802	-0901	-1008	-1107	-1206
Diameter ..	mm	14	16	17	19	20	21	22	24	25	27	29	30
Diameter ..	inch	9/16	5/8	11/16	3/4	25/32	13/16	7/8	15/16	1	1 1/16	1 1/8	1 3/16
Pack.	qty	10	10	10	10	10	10	10	10	10	10	10	10
Art. no.	20115	-1305	-1404	-1503	-1552	-1602	-1701	-1800	-1909	-2006	-2055	-2105	-2204
Diameter ..	mm	32	33	35	37	38	40	41	43	44	46	48	51
Diameter ..	inch	1 1/4	1 5/16	1 3/8	1 7/16	1 1/2	1 9/16	1 5/8	1 11/16	1 3/4	1 13/16	1 7/8	2
Pack.	qty	10	10	10	10	10	10	10	10	10	10	10	10
Art. no.	20115	-2303	-2402	-2451	-2501	-2550	-2600	-2709	-2808	-2907	-3004	-3103	-3202
Diameter ..	mm	52	54	56	57	59	60	64	65	67	70	73	76
Diameter ..	inch	2 1/16	2 1/8	2 3/16	2 1/4	2 5/16	2 3/8	2 1/2	2 9/16	2 5/8	2 3/4	2 7/8	3
Pack.	qty	10	10	10	10	10	10	10	10	10	10	10	10
Art. no.	20115	-3301	-3400	-3509	-3608	-3707	-3806	-3855	-3905	-4002	-4101	-4200	-4309
Diameter ..	mm	79	83	86	89	92	95	98	102	105	108	111	114
Diameter ..	inch	3 1/8	3 1/4	3 3/8	3 1/2	3 5/8	3 3/4	3 7/8	4	4 1/8	4 1/4	4 3/8	4 1/2
Pack.	qty	10	10	1	1	1	1	10	1	1	1	1	1
Art. no.	20115	-4408	-4507	-4606	-4705	-4804	-4903	-5009	-5108	-5207			
Diameter ..	mm	121	127	133	140	152	158	168	177	210			
Diameter ..	inch	4 3/4	5	5 1/4	5 1/2	6	6 5/16	6 5/8	6 31/32	8 9/32			
Pack.	qty	1	1	1	1	10	10	10	10	10			



No 20040

Luna. Holesaw sets with holesaws of Bi-metal and arbor. High-grade high speed steel teeth, ductile tool steel on the blade backing. The holesaws feature variable tothing which gives a rapid cutting process and good chip removal. Saw depth 41 mm.

Art. no.	20040	-0109	-0208
Holesaw diameters	mm	51 57 76 86 114	16 19 22 25 32 35 38 44 51 57 64 76
Holder	No	L 10	L 1 and L 10

Holders



L 1



L 10



L 2

Luna. Holder for bimetal holesaws.

Holder no L 1 with threaded holder and hexagonal shaft.

Holder L 2 and L 10 With hexagonal shaft and threaded holder with lock nut that locks together the holder and holesaw. Reduces vibrations and extends the life of the holesaw.

For holesaws mm	For holesaws inch	Shank diam. mm	Drill diam. mm	Body diam. mm	Luna No	Art. no. 20116
14-30	9/16-13/16	8.75 \odot	6.35	19	L 1	-0108
32-210	1 1/4-8 9/32	8.75 \odot	6.35	37	L 10	-0207
32-210	1 1/4-8 9/32	11.0 \odot	6.35	37	L 2	-0306
HSS-drill 6.35 x 80 mm						20116 -0405
Extension 300 mm for holesaws 14-30 mm, \odot 8.75 mm						20116 -0603
Pack.....						qty 10
Extension 300 mm for holesaws 32-210 mm, \odot 11.0 mm						20116 -0504
Pack.....						qty 10

Masonry drills

Installation drills

Luna. Twist drills with tungsten-carbide tips for drilling in concrete, natural stone, brick, marble, ceramics etc. For use in standard drilling machines as well as percussion drilling machines.



No 20683

Art. no.	Drill-diam. mm	Overall length mm	Twist length mm	Art. no.	Drill-diam. mm	Overall length mm	Twist length mm	Art. no.	Drill-diam. mm	Overall length mm	Twist length mm
20683				20683				20683			
-0101	3.0	60	30	-1604	8.0	120	80	-3006	12.0	600	300
-0200	3.5	75	40	-1702	8.0	200	40	-3105	13.0	150	100
-0309	4.0	75	40	-1802	8.0	400	250	-3204	14.0	150	100
-0408	4.5	85	50	-1901	8.0	600	300	-3303	14.0	400	200
-0507	5.0	85	50	-2008	8.5	120	80	-3402	15.0	150	100
-0606	5.0	150	100	-2107	9.0	120	80	-3501	16.0	150	100
-0705	5.5	85	50	-2206	9.5	120	80	-3600	16.0	400	200
-0804	5.5	150	100	-2305	10.0	120	80	-3709	17.0	160	95
-0903	6.0	100	60	-2404	10.0	200	140	-3808	18.0	160	100
-1000	6.0	150	100	-2503	10.0	400	200	-3907	18.0	400	200
-1109	6.0	400	200	-2602	10.0	600	300	-4004	20.0	160	95
-1208	6.0	600	300	-2701	11.0	120	100	-4103	20.0	400	200
-1307	6.5	100	60	-2800	12.0	150	100	-4202	22.0	160	95
-1406	7.0	100	60	-2909	12.0	400	200	-4301	24.0	160	95
-1505	7.5	120	80								

Set

Luna. Masonry drill set with tungsten-carbide tips for drilling in concrete, natural stone, brick, marble, ceramics etc. For use in standard drilling machines as well as percussion drilling machines. Supplied in plastic case.

Art. no.	20042		-0107
No. of drills	ea		5
Diameters	mm		4 5 6 8 10
Overall lengths	mm		75 85 100 120 120



No 20042

Hammer drills

Luna. Percussion drills with SDS-plus-shank. With hard metal blade. For making holes in concrete, granite, brick and other similar building materials.



No 20680

Art. no.	Diam. mm	Overall length mm	Flute length mm	Art. no.	Diam. mm	Overall length mm	Flute length mm	Art. no.	Diam. mm	Overall length mm	Flute length mm
20680				20680				20680			
-0104	4.0	110	50	-2209	10.0	260	200	-4304	16.0	210	150
-0203	5.0	110	50	-2308	10.0	300	250	-4403	16.0	300	250
-0302	5.0	160	100	-2407	10.0	450	400	-4502	16.0	450	400
-0401	5.5	110	50	-2506	10.0	600	550	-4601	16.0	600	550
-0500	5.5	160	100	-2605	11.0	160	100	-4700	18.0	210	150
-0609	6.0	110	50	-2704	12.0	160	100	-4809	18.0	300	250
-0708	6.0	160	100	-2803	12.0	210	150	-4908	18.0	450	400
-0807	6.0	210	150	-2902	12.0	260	200	-5004	18.0	600	550
-0906	6.0	260	200	-3009	12.0	300	250	-5103	18.0	1000	950
-1003	6.5	160	100	-3108	12.0	450	400	-5202	20.0	210	150
-1102	7.0	110	50	-3207	12.0	600	550	-5301	20.0	300	250
-1201	7.0	160	100	-3306	13.0	160	100	-5400	20.0	450	400
-1300	8.0	110	50	-3405	13.0	300	250	-5509	20.0	600	550
-1409	8.0	160	100	-3504	14.0	160	100	-5608	22.0	260	200
-1508	8.0	210	150	-3603	14.0	260	200	-5707	22.0	450	400
-1607	8.0	260	200	-3702	14.0	300	250	-5806	24.0	260	200
-1706	8.0	450	400	-3801	14.0	450	400	-5905	24.0	450	400
-1805	9.0	210	150	-3900	15.0	160	100	-6002	25.0	260	200
-1904	10.0	110	50	-4007	15.0	260	200	-6101	25.0	450	400
-2001	10.0	160	100	-4106	15.0	450	400	-6200	26.0	260	200
-2100	10.0	210	150	-4205	16.0	160	110	-6309	26.0	450	400

Masonry drills

Hammer drills



No 20036

Luna. Percussion drills with **SDS-plus shank**, and with 4 tungsten-carbide tips. For drilling in concrete, granite, brick and other similar building materials.

Art. no.	Drill diam. mm	Overall length mm	Twist length mm	Art. no.	Drill diam. mm	Overall length mm	Twist length mm
20036				20036			
-0105	16.0	250	200	-1004	24.0	250	200
-0204	16.0	450	400	-1103	24.0	450	400
-0303	18.0	250	200				
-0402	18.0	450	400	-1202	25.0	250	200
				-1301	25.0	450	400
-0501	20.0	250	200	-1400	28.0	250	200
-0600	20.0	450	550	-1509	28.0	450	400
-0709	20.0	600	550				
-0808	22.0	250	200	-1608	30.0	250	200
-0907	22.0	450	400	-1707	30.0	450	400



No 20681

Luna. Percussion drills with **SDS-plus-shank**. With hard metal blade. For making holes in concrete, granite, brick and other similar building materials. Drill cassette of enamelled sheet metal with resp. drill dimensions marked.

Art. no.	20681	-0103
Contains no. of drills	ea.	9
Drill dimensions	mm	5x110 5.5x110 (2) 6x110 8x110 6x160 8x160 10x160 12x160



No 20044

Luna. Percussion drills with **SDS-plus shank**. 10 pieces. With hard metal blade. Recommended for making holes in concrete, granite and other similar building materials.

Art. no.	20044	-0105
Diameters (total length 110 mm)	mm	5 (x2) 5.5 6 8
Diameters (total length 160 mm)	mm	5 6 8 10 12

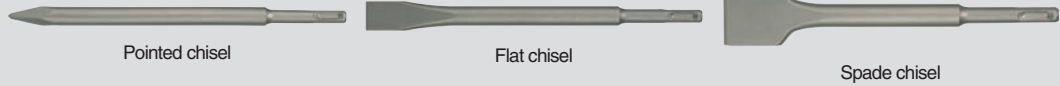


No 20682

Luna. Percussion drills with **SDS-max shank**. With 4 tungsten-carbide tips For drilling in concrete, granite, brick and other similar building materials.

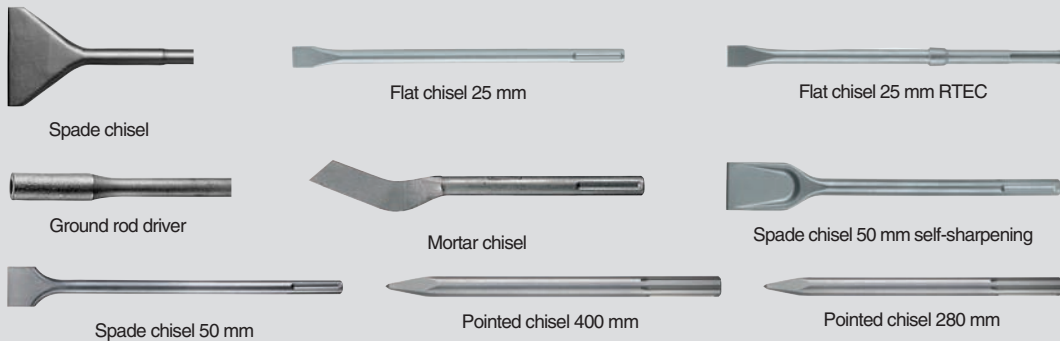
Art. no.	Drill diam. mm	Overall length mm	Twist length mm	Art. no.	Drill diam. mm	Overall length mm	Twist length mm
20682				20682			
-0037	12.0	340	200	-0771	25.0	320	200
-0052	12.0	540	400	-0805	25.0	520	400
-0078	14.0	340	200				
-0094	14.0	540	400	-0821	26.0	220	100
				-0854	28.0	370	250
-0102	16.0	340	200	-0904	28.0	570	450
-0201	16.0	540	400	-0920	30.0	370	250
-0300	18.0	340	200	-1001	30.0	570	450
-0409	18.0	540	400				
-0508	20.0	340	200	-1027	32.0	370	250
-0607	20.0	540	400	-1100	32.0	570	450
-0656	20.0	920	800	-1209	35.0	570	450
-0672	22.0	320	200	-1308	38.0	370	250
-0706	22.0	520	400	-1407	38.0	570	450
				-1506	40.0	370	250
-0730	24.0	320	200	-1605	40.0	570	450
-0755	24.0	520	400				

Chisel tools



Luna. Striking tools with **SDS+plus-drive**. For working on concrete and other building materials. Total length 250 mm.

Art. no.	20684	-0100	-0209	-0308
Chisel type		Pointed chisel	Flat chisel width 20 mm	Spade chisel width 40 mm



Luna. Striking tools with **SDS-max shanks**. For working on concrete and other building materials.

Chisel type	Art. no. 20038
Spade chisel 115 mm	-0103
Flat chisel 25 mm	-0202
Flat chisel 25 mm RTEC	-0301
Ground rod driver 16.5 mm	-0400
Mortar chisel 10 mm	-0509
Pointed chisel 400 mm RTEC	-0608
Spade chisel 50 mm self-sharpening	-0707
Spade chisel 50 mm, length 350 mm	-0806
Pointed chisel 400 mm	-0905
Pointed chisel 280 mm	-1002

Adaptor SDS-max - SDS-plus

Luna. Drill holder (adaptor) for drill bits with SDS-plus shank. Machine adapter SDS-max.

Art. no.	20037	-0104
For machine with attachment		SDS-max
For drills with shank		SDS-plus



Tile drill

Luna. Drill with four-fluted tungsten carbide tip. For drilling glass, mirrors, bottles, glazed tiles, ceramics and porcelain.

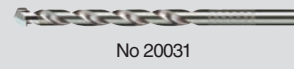
Art. no.	20012	-0103	-0202	-0301	-0400	-0509	-0608
Diameter	mm	4	5	6	8	10	12
Length	mm	65	68	71	80	90	100



Universal drills

Luna. Universal drills with tungsten carbide tips and knurled shank for better grip in the chuck. Recommended for the following materials: glazed tiles, metals, cast iron, wood and plastics.

Art. no.	20031	-0100	-0209	-0308	-0407	-0506	-0605
Diameter	mm	4	5	6	8	10	12
Total length	mm	75	80	100	120	120	150
Auger length	mm	40	50	60	80	80	90



Luna. Universal drill sets with tungsten carbide tips and knurled shank for better grip in the chuck. Recommended for the following materials: glazed tiles, metals, cast iron, wood and plastics. Supplied in plastic case.

Art. no.	20032	-0109
No. of drills	ea	5
Diameters	mm	4 5 6 8 10
Overall lengths	mm	75 80 100 120 120





No 20409

Art. no.	20409	-0104	-0203	-0302	-0401	-0500	-0609	-0708	-0807
Diameter	mm	3	4	5	6	7	8	10	12
Total length	mm	61	75	86	93	109	117	133	151
Shank diam.	mm	3	4	5	6	7	8	10	12
Pack.	qty	5	5	5	5	5	5	5	5

Drills for wood

Twist drills with cyl. shank

Luna. High speed steel HSS. With centre point and side cutter.

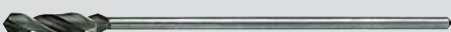


No 20043

Set

Luna. Twist drills for wood. Carbonised steel. With centre point and side cutter. Supplied in plastic case.

Art. no.	20043	-0106
No. of drills	ea	5
Diameters	mm	4 5 6 8 10
Overall lengths	mm	75 86 93 117 133
Fixed diameters	mm	4 5 6 8 10



Nr 20933

Long reach bits

Luna. Drill section of high speed steel. Shank of special steel. Suitable for drilling mouldings, etc.

Drill diameter mm	Cyl. shank mm	Total length 400 mm		Total length 600 mm		Total length 1000 mm	
		Art. no.	Art. no.	Art. no.	Art. no.		
		20933	20933	20933	20933	20933	20933
6	5	-0109	-0901	-3004			
8	6	-0208	-1008	-3103			
10	8	-0307	-1107	-3202			
12	8	-0406	-1206	-			
14	8	-0505	-1305	-			
16	10	-0604	-1404	-3301			
18	10	-0703	-1503	-			
20	10	-0802	-1602	-3400			
22	10	-	-1701	-			
24	11	-	-1800	-			
25	11	-	-1909	-			
26	11	-	-2006	-			
28	11	-	-2105	-			
30	11	-	-2204	-			



No 20039

Auger bits with 1/4" and 3/8" hexagonal drive

Luna. With 1/4" or 3/8" hexagonal shank. Four cutter drill with feeder screw. The design of the auger gives smooth surfaces and a very good feed. Suitable drill extension 20724 page 183.

Art. no.	20039	-0102	-0201	-0300	-0409	-0508	-0607	-0706
Diameter	mm	16	18	20	22	25	28	32
Shank \square	inch	1/4	1/4	1/4	1/4	3/8	3/8	3/8
Total length	mm	158	158	158	158	158	158	158
Pack.	qty	5	5	5	5	5	5	5



No 20723

Luna. With 1/4" and 3/8" hexagonal drive. With feeder screw. The design of the auger gives smooth surfaces and a very good feed. Suitable bit extension 1/4" see page 183. Suitable bit extension 3/8" see page 183.

Art. no.	20723	-0103	-0202	-0301	-0400	-0509	-0608	-0707	-0806	-0905	-1002
Diameter	mm	6	8	10	11	12	13	14	16	18	19
Shank diam.	tuminch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Auger length	mm	150	150	150	150	150	150	150	150	150	150
Total length	mm	230	230	230	230	230	230	230	230	230	230
Pack.	qty	5	5	5	5	5	5	5	5	5	5
Art. no.	20723	-1101	-1200	-1309	-1408	-1507	-1606	-1705	-1804	-1903	
Diameter	mm	20	22	24	26	28	30	32	35	38	
Shank diam.	tuminch	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
Auger length	mm	150	150	150	150	150	150	150	150	150	
Total length	mm	230	230	230	230	230	230	230	230	230	
Pack.	qty	5	5	5	5	5	5	5	5	5	

Drills for wood

Auger bits with 1/4" and 3/8" hexagonal drive

Luna. Long twist drills with 1/4" and 3/8" hexagonal drives. With feeder screw. The design of the auger gives smooth surfaces and a very good feed.

Suitable drill extension 1/4" see page 183.
Suitable drill extension 3/8" see page 183.



No 20848

Art. no.	20848	-0103	-0202	-0301	-0400	-0509	-0608	-0707	-0806	-0905
Diameter.....	mm	6	8	10	12	13	14	16	18	19
Shank diameter.....	tuminch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Auger length.....	mm	300	300	300	300	300	300	300	300	300
Total length.....	mm	400	400	400	400	400	400	400	400	400
Pack.....	qty	5	5	5	5	5	5	5	5	5
Art. no.	20848	-1002	-1101	-1200	-1309	-1408	-1507	-1606	-1705	-1804
Diameter.....	mm	20	22	24	26	28	30	32	35	38
Shank diameter.....	tuminch	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Auger length.....	mm	300	300	300	300	300	300	300	300	300
Total length.....	mm	400	400	400	400	400	400	400	400	400
Pack.....	qty	5	5	5	5	5	5	5	5	5

Speedbits



Luna. With 1/4" hexagonal drive.. Flat. With pilot. Suitable drill extension, see page 183.

No 20721

Art. no.	20721	-0105	-0204	-0303	-0402	-0501	-0600	-0709	-0808	-0907	-1004	-1103	-1202
Diameter.....	mm	6	8	10	12	13	14	16	17	18	19	20	21
Shank diameter ..	inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Total length.....	mm	150	150	150	150	150	150	150	150	150	150	150	150
Pack.....	qty	1	1	1	1	1	1	1	1	1	1	1	1
Art. no.	20721	-1301	-1400	-1509	-1608	-1707	-1806	-1905	-2002	-2101	-2200	-2309	-2408
Diameter.....	mm	22	24	25	26	28	30	32	34	35	36	38	40
Shank diameter ..	inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Total length.....	mm	150	150	150	150	150	150	150	150	150	150	150	150
Pack.....	qty	1	1	1	5	5	5	5	5	5	5	5	5



Luna. Long pilot drill with 1/4" hexagonal drive. Flat. With pilot. Suitable drill extension, see this page.

No 20752

Art. no.	20752	-0107	-0206	-0305	-0404	-0503	-0602	-0701	-0800	-0909	-1006	-1105	-1204
Diameter.....	mm	6	8	10	12	13	14	16	17	18	19	20	21
Shank diameter ..	inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Total length.....	mm	400	400	400	400	400	400	400	400	400	400	400	400
Pack.....	qty	5	5	5	5	5	5	5	5	5	5	5	5
Art. no.	20752	-1303	-1402	-1501	-1600	-1709	-1808	-1907	-2004	-2103	-2202	-2301	-2400
Diameter.....	mm	22	24	25	26	28	30	32	34	35	36	38	40
Shank diameter ..	inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Total length.....	mm	400	400	400	400	400	400	400	400	400	400	400	400
Pack.....	qty	5	5	5	5	5	5	5	5	5	5	5	5

Sets

Luna. Centre drill set with 1/4" hexagonal drive. Flat with pilot. Supplied in plastic case.

Art. no.	20722	-0104
Drill sizes.....	mm	8, 10, 12, 14, 16, 25
Shank.....	inch	1/4
Pack.....	qty	5



No 20722



No 20143

Drills for wood

Speedbits

Sets

Luna. 10 parts centre drill set with 1/4" -drive. Supplied in plastic case.

Art. no.	20143	-0105	
Size	mm	6-8-10-12-14-16-18-20-22-25	
Drive 	inch	1/4	
Pack.	qty	5	



No 20724

Drill extensions

Luna. Suitable for pilot drills and twist drills with 1/4" hexagonal drive.

Art. no.	20724	-0102	
Total length	mm	300	
Head's outside diameter	mm	15	
Cyl. hole	mm	7	
For drills with 1/4" hexagonal drive	mm	16-40	
Pack.	qty	5	



No 20725

Luna. Suitable for twist drills with 3/8" hexagonal drive.

Art. no.	20725	-0101	
Total length	mm	300	
Head's outside diameter	mm	18	
Cyl. hole	mm	10.5	
For drills with 3/8" hexagonal drive	mm	20-38	
Pack.	qty	5	



No 20184

Wallbits

Luna. For wood. With 1/4" -drive.

Art. no.	20184	-0105	-0204
For plugs	mm	10	12
Total length	mm	64	64



No 20047

Countersink

For wood

Luna. 5-flute countersink for wood. With 1/4" -drive. Countersink angle 90°.

Art. no.	20047	-0102	-0201
Diameter	mm	10	12
Total length	mm	54	54



No 20897

Luna. With two tungsten carbide tips. For assembly on cylindrical drills. Drilling and countersinking then takes place at one time. Countersink angle 90°.

Art. no.	20897	-0103	
For drill diameters	mm	3.0-7.2	
Countersink angle		90°	



No 20048

For metal

Luna. 3-flute countersink made of high speed steel HSS. With 1/4" -drive. Countersink angle 90°.

Art. no.	20048	-0101	-0200	-0309	-0408
Diameter	mm	8	10	12	16
Total length	mm	50	50	50	50

Router bits

Luna. Hard metal.

Slotting bits: series 20999 all models are double fluted except those marked (1) = single flute, marking (S) denotes solid tungsten carbide. Series 21001 are extra long slotting bits.

Lock case bits: 2100-0103 has shank mounted bearing 16x8 mm. 21002-0202 and 21003-03013 without bearings with angled cutter that lifts up chips. Extra bearings see 21072 page 191.

Dia- meter mm	Blade- width mm	Total length mm	Shank diam. mm	No bottom cutter	Bottom cutter
				<i>Artnr</i> <i>20999</i>	<i>Artnr</i>
Slotting bits 20999					
2(S) (1)	10	54	6	-	<i>20999-0100</i>
3(S) (1)	10	54	6	-	<i>20999-0209</i>
4(S) (1)	12	66	6	-	<i>20999-0308</i>
5(S) (1)	15	63	6	-	<i>20999-0407</i>
6(S) (1)	20	70	6	-	<i>20999-0506</i>
8	25	63	6	<i>-0605</i>	-
10	25	63	6	<i>-0704</i>	-
12	25	63	6	<i>-0803</i>	-
14	25	63	6	<i>-0902</i>	-
16	25	63	6	<i>-1009</i>	-
18	25	63	6	<i>-1108</i>	-
20	25	63	6	<i>-1207</i>	-
2(S)	10	53	8	-	<i>20999-1306</i>
3(1)	10	53	8	<i>-1405</i>	-
3(S)	10	53	8	-	<i>20999-1504</i>
4(1)	12	56	8	<i>-1603</i>	-
4(S)	12	56	8	-	<i>20999-1702</i>
5(1)	15	60	8	<i>-1801</i>	-
5(S)	15	60	8	-	<i>20999-1900</i>
6(1)	18	65	8	<i>-2007</i>	-
6(S)	20	66	8	-	<i>20999-2106</i>
8	20	62	8	<i>-2205</i>	<i>20999-2957</i>
8(S)	20	70	8	-	<i>20999-2304</i>
10	25	63	8	<i>-2403</i>	<i>20999-2502</i>
12	25	63	8	<i>-2601</i>	<i>20999-2700</i>
14	25	63	8	<i>-2809</i>	<i>20999-2908</i>
16	25	63	8	<i>-3005</i>	<i>20999-3104</i>
17	25	63	8	-	<i>20999-3203</i>
18	25	63	8	<i>-3302</i>	<i>20999-3401</i>
20	25	63	8	<i>-3500</i>	<i>20999-3609</i>
22	25	63	8	<i>-3708</i>	<i>20999-3807</i>
24	25	63	8	-	<i>20999-3906</i>
25	25	63	8	<i>-4003</i>	<i>20999-4102</i>
26	25	63	8	-	<i>20999-4201</i>
28	25	63	8	-	<i>20999-4300</i>
35	25	63	8	-	<i>20999-4409</i>
12	30	75	12	-	<i>20999-4508</i>
16	30	72	12	-	<i>20999-4607</i>
18	30	72	12	-	<i>20999-4706</i>
20	30	72	12	-	<i>20999-4805</i>
22	30	72	12	-	<i>20999-4904</i>
25	30	72	12	-	<i>20999-5000</i>
30	30	72	12	-	<i>20999-5109</i>
35	30	72	12	-	<i>20999-5208</i>
8	20	60	13	-	<i>21000-0105</i>
10	25	67	13	-	<i>21000-0204</i>
12	30	70	13	-	<i>21000-0303</i>
14	30	75	13	-	<i>21000-0402</i>
16	35	75	13	-	<i>21000-0501</i>
18	35	75	13	-	<i>21000-0600</i>
20	35	75	13	-	<i>21000-0709</i>
25	35	80	13	-	<i>21000-0808</i>
Slotting bits. Extra long 21001					
8	20	80	8	-	<i>21001-0104</i>
10	20	80	8	-	<i>21001-0203</i>
10	30	90	12	-	<i>21001-0302</i>
12	20	80	8	-	<i>21001-0401</i>
12	35	90	12	-	<i>21001-0500</i>
14	20	80	8	-	<i>21001-0609</i>
16	20	80	8	-	<i>21001-0708</i>
16	35	90	12	-	<i>21001-0807</i>
18	20	80	8	-	<i>21001-0906</i>
18	35	90	12	-	<i>21001-1003</i>
20	20	80	8	-	<i>21001-1102</i>
20	35	90	12	-	<i>21001-1201</i>
22	20	80	8	-	<i>21001-1300</i>
22	35	90	12	-	<i>21001-1409</i>
25	20	80	8	-	<i>21001-1508</i>
25	35	90	12	-	<i>21001-1607</i>
30	35	90	12	-	<i>21001-1706</i>
35	35	90	12	-	<i>21001-1805</i>
Lock case bits 21002					
16	15	110	8	-	<i>21002-0103</i>
20	20	110	8	-	<i>21002-0202</i>
20	20	110	12	-	<i>21002-0301</i>



No 20999



No 21001



No 21002

Luna Router bits



No 21003



No 21004



No 21005



No 21006-0109



No 21006-0901



No 21007



No 21008

Luna. Hard metal.

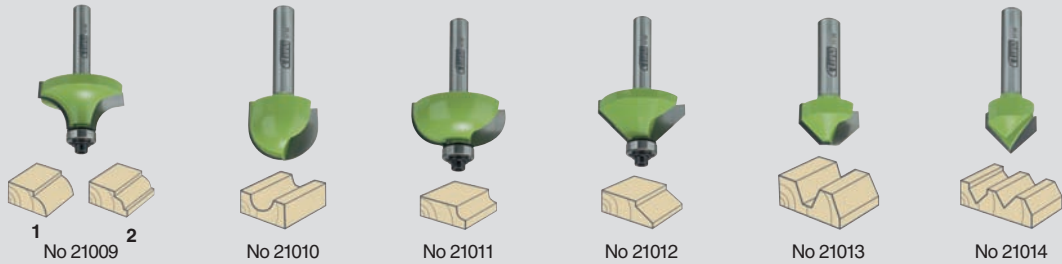
Edge moulder: series 21003 has a bottom mounted bearing while series 21004 has a shank mounted bearing. Milling cutters marked with (3)= three fluted otherwise two fluted.

Tongue and groove bits, series 21005 has a shank mounted bearing. On series 21006 the bearing can be mounted above, under or between the tongue and groove bits. Grooving bit and ball bearings not supplied for this series except art. no. 21006-0106, 0208 and 0307. These numbers are spindles only.

Rebate bits: series 21007 and 21008 have bottom mounted bearings
Extra ball bearings see 21072 page 191.

Dia-meter mm	Blade width mm	Rebate depth mm	Total length mm	Ball bearing	Shaft diam. mm	Art. no.
Edge bits 21003, 21004						
9,5	25	-	66	9.5x4.8 mm	8	21003-0102
13	25	-	63	13x5 mm	6	21003-0201
13	25	-	65	13x5 mm	8	21003-0300
13(3)	25	-	65	13x5 mm	8	21003-0409
13(3)	50	-	88	13x5 mm	8	21003-0508
13(3)	50	-	88	13x5 mm	12	21003-0607
19	32	-	70	19x8 mm	8	21003-0706
19	13	-	45	19x8 mm	8	21004-0101
19	25	-	67	19x8 mm	8	21004-0200
19	25	-	67	19x8 mm	8	21004-0309
12	15	-	57	12x8 mm	8	21004-0408
Tongue and groove bits 21005, 21006						
36	2	4	42	28x 8 mm	8	21005-0100
36	2	6	42	24x8 mm	8	21005-0209
36	2	8,5	42	19x8 mm	8	21005-0308
36	2	10	42	16x8 mm	8	21005-0407
36	2,5	6	43	24x8 mm	8	21005-0506
36	2,5	8,5	43	19x8 mm	8	21005-0605
36	2,5	10	43	16x8 mm	8	21005-0704
36	3	8,5	43	19x8 mm	8	21005-0803
36	3	10	43	16x8 mm	8	21005-0902
36	3,5	6	44	24x8 mm	8	21005-1009
36	3,5	8,5	44	19x8 mm	8	21005-1108
36	3,5	10	44	16x8 mm	8	21005-1207
36	4	4	45	28x8 mm	8	21005-1306
36	4	6	45	24x8 mm	8	21005-1405
36	4	8,5	45	19x8 mm	8	21005-1504
36	4	10	45	16x8 mm	8	21005-1603
36	5	4	46	28x8 mm	8	21005-1702
36	5	6	46	24x8 mm	8	21005-1801
36	5	8,5	46	19x8 mm	8	21005-1900
36	5	10	46	16x8 mm	8	21005-2007
36	6	6	47	24x8 mm	8	21005-2106
36	6	8,5	47	19x8 mm	8	21005-2205
36	6	10	47	16x8 mm	8	21005-2304
36	7	10	47	16x8 mm	8	21005-2403
40	8	2	48	16x8 mm	8	21005-2502
15	-	-	82	-	6	21006-0109
15	-	-	82	-	8	21006-0208
15	-	-	82	-	12	21006-0307
48	3	-	-	-	8	21006-0406
48	4	-	-	-	8	21006-0505
48	5	-	-	-	8	21006-0604
48	6	-	-	-	8	21006-0703
48	3+4+5+6	13	81	22x8 mm	8	21006-0802
48	3+4+5+6	13	81	22x8 mm	12	21006-0901
Rebate bits 21007, 21008						
32	4	5	41	22x8 mm	8	21007-0108
32	4	8	41	16x8 mm	8	21007-0207
32	4	10	41	12x8 mm	8	21007-0306
32	5	5	42	22x8 mm	8	21007-0405
32	5	8	41	16x8 mm	8	21007-0504
32	6	8	43	16x8 mm	8	21007-0603
32	6	10	43	12x8 mm	8	21007-0702
32	8	8	45	16x8 mm	8	21007-0801
32	8	10	45	12x8 mm	8	21007-0900
32	10	5	37	22x8 mm	8	21007-1007
32	10	8	47	16x8 mm	8	21007-1106
32	10	10	45	12x8 mm	8	21007-1205
32	12	10	49	12x8 mm	8	21007-1304
32	12	8	49	16x8 mm	8	21007-1353
32	15	5	52	22x8 mm	8	21007-1403
32	15	8	52	16x8 mm	8	21007-1502
32	15	10	52	12x8 mm	8	21007-1601
40	15	15	53	10x5 mm	8	21008-0107

Router bits



Luna. Hard metal.

Round nose bit: with bearings as per. fig. 1. Bit can be supplemented with smaller bearings to get contour 2. Size see table or 2.

Moulding bit: series 210010 is without bearings and series: 21011 is with bearings.

Chamfer bit: series 21013 marked with a * are bits without bearings, other bits in the series are with bearings.

V-slot bits: without bearings.

Extra bearings see 21072 page 191.

Dia- meter mm	Blade- width mm	Radius mm	Chamfer- angle degrees	Total length mm	Ball bearing standard	Ball bearing alt. II	Shaft diam. mm	Art. no.
Rounding bits 21009								
16	8	1.6	-	56	13x5 mm	10x5 mm	8	21009-0106
18	8	2.4	-	56	13x5 mm	10x5 mm	8	21009-0205
19	9.5	3	-	47	13x5 mm	10x5 mm	6	21009-0304
19.5	9.5	3.2	-	47	13x5 mm	10x5 mm	8	21009-0403
22.5	9.5	4.8	-	47	13x5 mm	10x5 mm	8	21009-0502
23	9.5	5	-	47	13x5 mm	10x5 mm	6	21009-0601
26	11	6.4	-	49	13x5 mm	10x5 mm	8	21009-0700
29	13	8	-	51	13x5 mm	10x5 mm	8	21009-0809
29	13	8	-	51	13x5 mm	10x5 mm	6	21009-0908
32	16	9.5	-	54	13x5 mm	10x5 mm	8	21009-1005
33	16	10	-	54	13x5 mm	10x5 mm	6	21009-1104
38.5	19	12.7	-	57	13x5 mm	10x5 mm	8	21009-1203
39	19	13	-	57	13x5 mm	10x5 mm	6	21009-1302
43	22	15	-	60	13x5 mm	10x5 mm	6	21009-1401
45	22	16	-	60	13x5 mm	10x5 mm	8	21009-1500
45	22	16	-	60	13x5 mm	10x5 mm	12	21009-1609
51	25	19	-	67	13x5 mm	10x5 mm	12	21009-1708
57	28	22	-	70	13x5 mm	10x5 mm	12	21009-1807
63	32	25	-	77	13x5 mm	10x5 mm	12	21009-1906
73	35	30	-	80	13x5 mm	10x5 mm	12	21009-2003
Moulding bits 21010, 21011								
3.2	8	1.6	-	52	-	-	8	21010-0103
4.5	8	2.25	-	51	-	-	8	21010-0202
6	8	3	-	50	-	-	8	21010-0301
8	10	4	-	51	-	-	8	21010-0400
10	10	5	-	48	-	-	8	21010-0509
13	10	6.5	-	48	-	-	8	21010-0608
16	12	8	-	50	-	-	8	21010-0707
20	16	10	-	54	-	-	8	21010-0806
25	16	12.5	-	58	-	-	12	21010-0905
25	20	12.5	-	58	-	-	8	21010-1002
30	20	15	-	62	-	-	12	21010-1101
40	25	20	-	67	-	-	12	21010-1200
23	8	4.8	-	56	13x5 mm	-	8	21011-0102
26	10	6.4	-	48	13x5 mm	-	8	21011-0201
29	12	8	-	50	13x5 mm	-	8	21011-0300
32	13	9.5	-	51	13x5 mm	-	8	21011-0409
38	16	12.7	-	54	13x5 mm	-	8	21011-0508
Chamfer bits 21012, 21013								
25	11.6	-	45	50	13x5 mm	-	8	21012-0101
36	16.5	-	45	55	13x5 mm	-	8	21012-0200
36	16.5	-	45	55	13x5 mm	-	6	21012-0309
48	22.5	-	45	60	13x5 mm	-	8	21012-0408
56	26.7	-	45	69	13x5 mm	-	12	21012-0507
15.5	20.5	-	8	58	10x5 mm	-	8	21013-0100
17.5*	19	-	15	57	-	-	8	21013-0209
20.5	20	-	15	58	10x5 mm	-	8	21013-0308
27*	17	-	30	55	-	-	8	21013-0407
30	17.5	-	30	55	10x5 mm	-	8	21013-0506
21*	13	-	45	51	-	-	8	21013-0605
V-bits 21014								
9.5	12.7	-	45	53	-	-	8	21014-0109
16	16	-	45	57	-	-	8	21014-0208
19	16	-	45	57	-	-	8	21014-0307
25	18	-	45	60	-	-	8	21014-0406

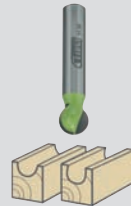
Luna Router bits



No 21015



No 21016



No 21017



No 21018



No 21019



No 21020



No 21021



No 21022

Luna. Tungsten carbide.

Lettering bits: series 21015 three-fluted made of tungsten carbide.

Beading bits: series 21016 double fluted with bearing.

Moulding bits: series 21017 double fluted.

Channel bits: series 21018 bottom cutting without bearing.

Dovetail bits: series 21019 without pilot, series 21020 with pilot for small chips and space for glue expansion.

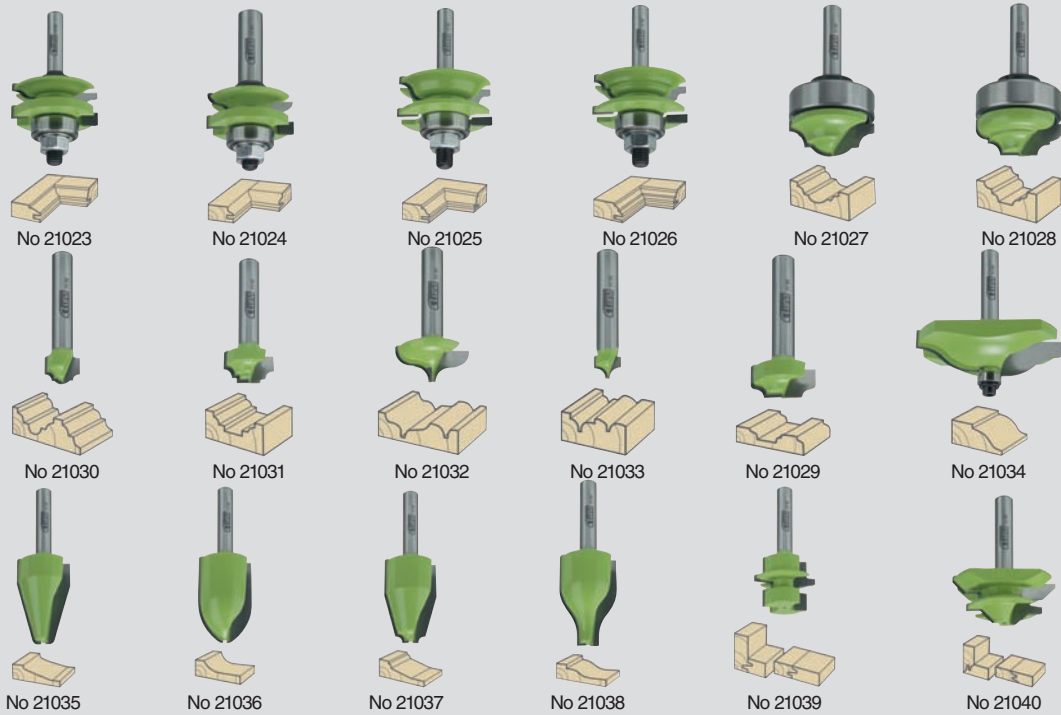
Finger joint bits: series 21021 with ball-bearing.

Keyhole bits: series 21022 double fluted for hanging holes.

Extra bearings see 21072 page 191.

Dia- meter mm	Blade width mm	Radius mm	Phase- angle degree	Total length mm	Ball bearing	Shaft diam. mm	Art. no.
Lettering bit 21015							
14	12	-	30	69	-	8	21015-0108
Beading bits 21016							
22	16	3	-	54	16x8 mm	8	21016-0107
24	18	4	-	56	16x8 mm	8	21016-0206
26	20	5	-	58	16x8 mm	8	21016-0305
31	22	6	-	60	19x8 mm	8	21016-0404
35	26	8	-	64	19x8 mm	8	21016-0503
39	30	10	-	68	19x8 mm	8	21016-0602
Moulding bits 21017							
10	9	5	-	46	-	8	21017-0106
13	12	6.5	-	49	-	8	21017-0205
16	15	8	-	53	-	8	21017-0304
20	19	10	-	57	-	8	21017-0403
Channel bits 21018							
22	16	4.5	-	58	-	8	21018-0105
32	16	5	-	58	-	8	21018-0204
32	16	5	-	58	-	12	21018-0303
Dovetail bits 21019, 21020							
9.5	9.5	-	9	52	-	8	21019-0104
12.7	13	-	14	54	-	8	21019-0203
14.3	13	-	14	57	-	8	21020-0101
17.6	16	-	14	57	-	8	21020-0200
Finger joint bits 21021							
35	38	-	-	80	19x6 mm	12	21021-0100
Keyhole bits 21022							
9.5	10.5	-	-	52	-	8	21022-0109
12.7	12.5	-	-	52	-	8	21022-0208

Router bits



Luna. Hard metal.

Counter contour bits: series 21023, 21024, 21025, 21026 with ball-bearings for manufacturing cupboard doors, doors and panels. By switching the places of the groove and contour cutters both length and end contours can be made using the same bit. The router should be mounted on a milling table for the best result.

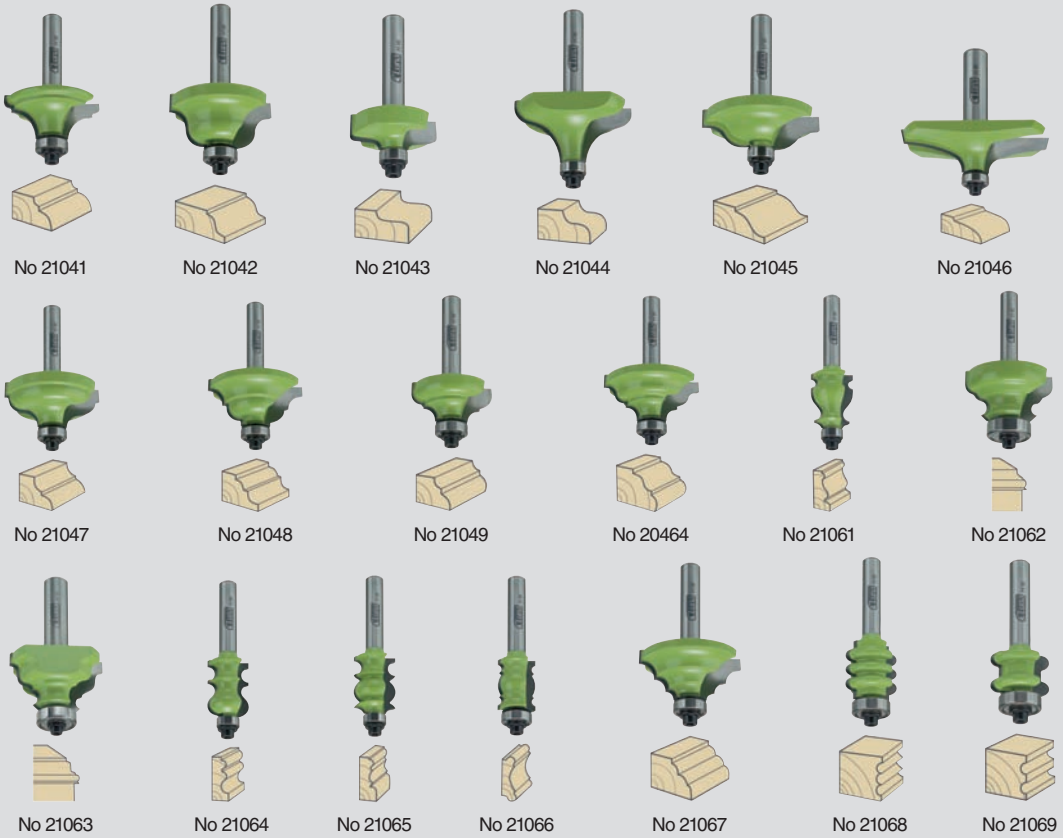
Mirror bits: series 21027, 21028, 21029-0102 with top mounted ball-bearing. Series 21030, 21032, 21033, 21029-0201 without bearings for décor routing on doors, mirrors, panels or boxes.

Cornice bits: series 21034 horizontal cornice bit with ball-bearing. Series 21035, 21036, 21037, 21037 vertical cornice bits for edge routing on e.g. mirror frames. The router should be mounted on a milling table for the best result.

Glue joint bits: series 21039 and 21040 without bearings.

Dia-meter mm	Blade width mm	Radius mm	Phase-angle degree	Total length mm	Ball bearing standard	Shaft diam. mm	Art. no.
Counter contour bits 21023, 21024, 21025, 21026							
41	17	5+5	-	73	22x8 mm	8	21023-0108
41	17	5+5	-	78	22x8 mm	12	21023-0207
41	17	5+5	-	73	22x8 mm	8	21024-0107
41	17	5+5	-	78	22x8 mm	12	21024-0206
43	18	5+5	-	73	22x8 mm	8	21025-0106
43	18	3.5+3.5	-	73	22x8 mm	8	21026-0105
43	18	3.5+3.5	-	78	22x8 mm	12	21026-0204
Mirror bits 21027, 21028, 21030, 21031, 21032, 21033, 21029							
22	12.7	4+5.5	-	58	8x25 mm	8	21027-0104
35	14.3	6.5+10.5	-	56	8x25 mm	8	21027-0203
35	14.3	6.5+10.5	-	75	12x35 mm	12	21027-0302
22	10	3.2+3.2	-	55	8x22 mm	8	21028-0103
35	14	5+5	-	65	8x35 mm	8	21028-0202
22	10	1.5+3	-	51	28x8 mm	8	21029-0102
13	10	2.4+2.4	-	51	-	8	21030-0109
19	13	4+4	-	54	-	8	21030-0208
13	9.5	2	-	47	-	8	21031-0108
19	11	3.2	-	49	-	8	21031-0207
26	12	6+6	-	50	-	8	21032-0107
9.5	8	4	-	48	-	8	21033-0106
22	10	1.5+3	-	51	-	8	21029-0201
Cornice bits 21034, 21035, 21036, 21037, 21038							
60	15.5	16+16	-	53	10x5 mm	8	21034-0105
66	16	16+16	-	58	10x5 mm	12	21034-0204
26	42	3	15	80	-	8	21035-0104
26	42	3	15	84	-	12	21035-0203
26	42	25	-	80	-	8	21036-0103
26	42	-	15	80	-	8	21037-0102
26	42	-	15	84	-	12	21037-0201
26	42	19+19	-	80	-	8	21038-0101
26	42	19+19	-	84	-	12	21038-0200
Glue joint bits 21039, 21040							
30	25	-	-	63	-	8	21039-0100
44	19	-	-	57	-	8	21040-0107

Luna Router bits



Luna. Hard metal.

Contour bits: series 21041-21066 with bottom mounted bearing. With smaller bearings on series 21047-21049 another contour can be obtained see illustration and bearing option II.

Multi-contour bits: series 21067-21069 with bottom mounted bearing.

Extra bearings see 21072 page 191.

Dia-meter mm	Blade width mm	Radius mm	Phase-angle degree	Total length mm	Ball bearing standard	Ball bearing alt. II	shaft diam. mm	Art. no.
Contour bits 21041-21066								
38	16	3+9.5	-	54	13x5 mm	-	8	21041-0106
29	13.5	4+4	-	51	13x5 mm	-	8	21042-0105
38.5	18.5	6.4+6.4	-	56	13x5 mm	-	8	21042-0204
33	11	2+3	-	49	10x5 mm	-	8	21043-0104
44	22	7+14	-	60	10x5 mm	-	8	21044-0103
42	12.5	8+8	-	50	10x5 mm	-	8	21045-0102
52	18	12+12	-	56	10x5 mm	-	8	21045-0201
53	15	-	-	58	13x5 mm	-	8	21046-0101
70	19	-	-	61	13x5 mm	-	12	21046-0200
35	15	4.8+4.8	-	53	13x5 mm	10x5 mm	8	21047-0100
42	19	6.4+6.4	-	57	13x5 mm	10x5 mm	8	21047-0209
30	13	3.2+3.2	-	51	13x5 mm	10x5 mm	8	21048-0109
36	17	4.8+4.8	-	55	13x5 mm	10x5 mm	8	21048-0208
42	19.5	6.4+6.4	-	57	13x5 mm	10x5 mm	8	21048-0307
32	14.5	4.8+4.8	-	52.5	13x5 mm	10x5 mm	8	21049-0108
41	18.5	4.5+4+4.5	-	50.5	13x5 mm	-	8	20464-0106
19	25	-	-	63	10x5 mm	-	8	21061-0101
27	41	-	-	83	13x5 mm	-	12	21061-0200
38	21	-	-	59	19x5 mm	-	8	21062-0100
45	27	-	-	69	19x5 mm	-	12	21063-0109
18	25	-	-	63	10x5 mm	-	8	21064-0108
18	25	-	-	62	10x5 mm	-	8	21065-0107
16	22	-	-	60	13x5 mm	-	8	21066-0106
Multi-contour bits 21064-21069								
40	18	6+4.5+3	-	66	13x5 mm	-	8	21067-0105
22	25	3+3+3	-	63	16x5 mm	-	8	21068-0104
22	25	3+3+3	-	63	16x5 mm	-	8	21068-0203
22	16	3+3	-	54	16x5 mm	-	8	21069-0103

Power tools accessories

Router bit sets

Luna. Complete router bit set in HM for manufacturing mirror doors and shutters. Contains 2 contra profile bits that allow efficient production without time-consuming adjustments. 1 vertical cornice bit for milling door mirrors. 1 glued joint miller for manufacturing solid wood door mirrors and one profile miller for decorative profiling of frame outer edges. All bits have a shaft diameter of 8 mm. Supplied in a wooden box.

Art. no.	20520	-0108
Number of millers	ea.	5
Shank diameter	mm	8



No 20520

Luna. Router bit set with 6 rounding tools in tungsten carbide. Contains the following radii: 3.2, 4.8, 6.4, 8.0, 9.5, 12.7. Extra bearing mounts for décor counters supplied. Teflon-covered tool heads that prevent deposits. Supplied in a wooden box.

Extra bearing guide - see this page.

Art. no.	21070	-0100
Number of routers	ea.	6
Shank diameter	mm	8



No 21070

Luna. Handiwork set with 12 hard metal bits of which 6 are ball bearing controlled. Straight shank 8 mm. Supplied in a wooden box. Teflon-covered tool heads that prevent deposits. Contains: Slotting bit 20999-2007 6 mm, 20999-2403 10 mm, 20999-3500 20 mm. Chamfer bit 21012-0101 45° with bearing guide. Rebate bit 9.5x9.5 mm with bearing guide. Moulding bit 21010-0608 13 mm. V-bit 21014-0208 45°. Dovetail bit 14.8 mm. Moulding bit 21011-0102 radius 4.8 mm with bearing guide. Round nose bit 21009-0502 radius 4.8 mm with bearing guide. Edge bit 21003-0300 with bearing guide. Mirror bit 21028-0103 22 mm with bearing guide.

Extra bearing guide - see this page.

Art. no.	21071	-0109
Number of routers	ea.	12
Shank diameter	mm	8

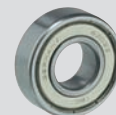


No 21071

Bearing guides

Luna. Extra bearing guide.

Art. no.	21072	-0108	-0207	-0306	-0405	-0504	-0603	-0702	-0801
Diameter×hole	mm	1/2 x 3/16, 12,7 x 4,8	9.5×4.8	10×5	12×8	13×5	14×8	16×5	16×8
Art. no.	21072	-0900	-1106	-1007	-1205	-1304	-1403	-1502	
Diameter×hole	mm	19×5	19×6	19×8	22×8	24×8	28×8	35×15	



No 21072

Chuck collets

Luna. Chuck collets for millers and cylindrical attachments. Used when the check collet and the miller cylindrical attachment do not have the same diameter.

Art. no.	20971	-0102	-0201	-0300	-0409	-0508
Chuck inner – outer diameter	mm	6-8	6.3-8	6.3-9.5	6-12	6-13
Art. no.	20971	-0607	-0706	-0805	-0904	-1001
Chuck inner – outer diameter	mm	8-9.5	8-12	8-13	9.5-12	12-13



No 20971

Planer knives

Luna. Reversible hard metal plane steel designed for rapid attachment in the blade slot for most hand planes available on the market.

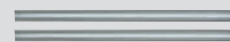
Adaptors. If the plane has not previously been equipped with reversible plane steel, special adaptors are also required.

Plane steel, reversible.

Art. no.	20917	-0109	-0208	-0307	-0406	-0505
Width	mm	75.5	80.5	82.0	92.0	102.0
Depth	mm	5.5	5.9	5.5	5.5	5.5
Thickness	mm	1.1	1.1	1.1	1.2	1.2



Adaptor



Reversible plane knives

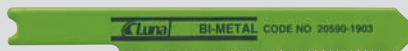
Adaptors

Art. no.	20917	-1008
Type		AD-82

Jig saw blades



Attachment A



Attachment C

Luna. Saw blade for electric jig saws. Supplied in SB-pack of 5 blades.

Application area	Manufactured of	Cutting length x Width x thickness mm	Quantity teeth per inch	Equal to Bosch no.	Attachment type A for Bosch, etc Art. no.
Fast, coarse cut in wood, plywood, chipboard	Tool steel, ground set teeth	75x8x1.3	6	T144D	20590 -0103
Fast, coarse cut in wood, plywood, chipboard	Tool steel, ground set teeth	125x9x1.3	6	T344D	-0400
Figure sawing. Fine cut in wood, plywood, chipboard, plastic	Tool steel, ground teeth, tapered back	50x5x1.3	20	-	-0657
Fine cut in wood, plywood, chipboard, plastic	Tool steel, ground teeth, tapered back	75x8x1.5	10	T101B	-0707
Fast, fine cut in wood, plywood chipboard, plastic	Tool steel, ground teeth, tapered back	75x8x1.5	6	T101D	-0905
Fast, fine cut in wood and plastic	Tool steel, ground teeth, tapered back	105x10x1.5	6	T301DL	-1002
Fine cut in wood laminate, work tops, etc. with reversed tothing pattern to prevent chipping on top of the material	Tool steel, ground teeth, tapered back	75x8x1.5	10	T101BR	-1101
Fine cut in metal section, sheet-metal with material thickness max 4 mm	Bi-Metal	50x8x1.0	21	T118AF	-1200
Fine cut in metal section, sheet-metal with material thickness 3-6 mm	Bi-Metal	50x8x1.0	13	T118BF	-1309
Wood with brads, plastic, aluminium. Soft metals with material thickness 5-10 mm	Bi-Metal	75x8x1.0	8	T127DF	-1408
Fine cut in metal section, sheet-metal with material thickness 3-6 mm Sandwich material	Bi-Metal	100x8x1.0	13	T318BF	-1507

Saw blade for electric jig saws. Supplied in SB-pack of 5 blades.					
Application area	Manufactured of	Cutting length x Width x thickness. No master mm	Quantity teeth per inch	Attachment type C for Black&Decker, etc Art. no.	
Fast, coarse cut in wood, plywood, chipboard, plastic	Tool steel, milled set teeth	75x8x1.3	6	20590 -1754	
Fine cut in wood laminate, work tops, etc. with reversed tothing pattern to prevent chipping on top of the material	Tool steel, ground teeth, tapered back	75x8x1.5	10	-1804	
Fine cut in metal section, sheet-metal with material thickness max 4 mm	Bi-Metal	50x8x1.0	21	-1903	



No 20034

Luna. Saw blade for electric jig saws. with tungsten carbide teeth for materials that are difficult to process. **Shank type A** for Bosch, etc. Supplied in SB-pack of 1 blades.

Art. no.	20034	-0107
Cutting length x width x thickness.....	mm	70x8x1.3
Correspond. Bosch	No	6T141HM

Jig saw blades Sets



No 20973/Set A



No 20973/Set B

Luna. Set with Jig saw blade.

Art. no.	20973	-0100	-0209
Blades with attachment.	type	A	C
Quantity blades.	per set	10	10

A-attachment Contains blades Art. no.	No. of blade	Application area	Cutting length x width x thickness mm	No. of teeth per inch
20590-0657	2	Fast, coarse cut in wood, plywood, chipboard	75x8x1.3	20
20590-0707	3	Fine cut in wood, plywood, chipboard, plastic	75x8x1.5	10
20590-0608	3	Rip sawing in wood, plywood, chipboard, plastic	75x8x1.3	6
20590-1200	2	Fine cut in metal section, sheet-metal with material thickness max. 4 mm	50x8x1.0	21

C-attachment Contains blades Art. no.	No. of blade	Application area	Cutting length x width x thickness mm	No. of teeth per inch
20590-2109	3	Fine cut in wood, plywood, chipboard, plastic	75x8x1.3	8
20590-1754	5	Wood, plywood, chipboard, plastic	65x8x1.0	6
20590-1903	2	Fine cut in metal section, sheet-metal with material thickness max. 4 mm	50x8x1.0	21

Sabre saw blades



Normal shape



Tapered tip shape



Cone shaped

Luna. Saw blade for electrical sabre saws. Supplied in SB-pack of 5 blades.

Application area	Manufactured of	Total length x Width x thickness. mm	Quantity teeth per inch	Attachment type F Art. no. 20094
Normal shape				
Metal: pipe and bar material 3-6 mm	Bi-Metal	150x19x0.9	18	-0104
Wood with brads. Metal: pipe and bar material 5-10 mm	Bi-Metal	150x19x0.9	10/14	-0203
Metal: pipe and bar material 3-6 mm	Bi-Metal	200x19x0.9	18	-0302
Wood with brads. Metal: pipe and bar material 5-10 mm	Bi-Metal	200x19x0.9	10/14	-0401
Wood with brads. Straight effective sawing in metal: pipe and solid material, material thickness over 5 mm	Bi-Metal	150x19x1.3	8/12	-0500
Wood with brads. Straight effective sawing in metal: pipe and bar material, material thickness over 5 mm	Bi-Metal	200x19x1.3	8/12	-0609
Wood with brads. Straight effective sawing in metal: pipe and bar material, material thickness over 5 mm	Bi-Metal	300x19x1.3	8/12	-0708
Cast iron	Tungsten carbide	200x19x1.1	HM-Kross	-0807
Tapered tip shape				
Demolition work, wood with brads, quick sawing	Bi-Metal	225x22x1.6	6	-0906
Demolition work, wood with brads, straight cut in metal: pipe and solid material over 5 mm	Bi-Metal	225x22x1.6	10	-1003
Demolition work, wood with brads, quick sawing	Bi-Metal	300x22x1.6	6	-1102
Cone shaped				
wood and plastic, quick sawing	Bi-Metal	150x19x1.3	5/8	-1201
wood and plastic, quick sawing	Bi-Metal	200x19x1.3	5/8	-1300
wood and plastic, quick sawing	Bi-Metal	300x19x1.3	5/8	-1409

Power tools accessories



No 20095

Luna. Saw blade made of tool steel for electrical sabre saws. For quick sawing in wood - even fresh wood. Supplied in pack of 5 blades.

Art. no.	20095	-0103
Length x width x thickness	mm	240x19x1.5
No. of teeth	per inch	4/5



No 20096

Luna. Saw blade with tungsten carbide teeth for electric sabre saws. For sawing brick, non-reinforced lightweight concrete, ceramsite concrete.

Art. no.	20096	-0102
Length x width x thickness	mm	450x50x1.3
No. of teeth	per inch	2

Circular saw blades

Hard metal saw blade portable circular, stationary and construction saws

Luna. Circular saw blades with tungsten-carbide teeth for cutting and splitting of all types of wood and for sawing in different forms of board. Manufactured with hardened main blade and high demands on quality for professional use. The blade can be reground several times.



No 20577

Diam. mm	Holes resp. insert mm	Quantity teeth ea.	Cut width/ blade life mm	Front- angle	Tooth grinding	Art. no. <i>20577</i>
125	20/16/13	16	2.4/1.6	15	Alternately	-0100
130	20/16/13	16	2.4/1.6	15	Alternately	-0209
140	20/16/13	16	2.4/1.6	15	Alternately	-0308
152	20/16/15/13	18	2.4/1.6	15	Alternately	-0407
152	30	18	2.4/1.6	15	Alternately	-0506
155	20/16/12/7	18	2.4/1.6	15	Alternately	-0605
160	20/16	18	2.4/1.6	15	Alternately	-0704
160	20/16	30	2.4/1.6	10	Alternately	-0803
165	30/20	18	2.4/1.6	15	Alternately	-0902
165	30/20	30	2.4/1.6	10	Alternately	-1009
165	16	18	2.4/1.6	15	Alternately	-1108
165	16	30	2.4/1.6	10	Alternately	-1207
170	30	20	2.4/1.6	15	Alternately	-1306
180	30/20	24	2.4/1.6	15	Alternately	-1405
180	30/20	40	2.4/1.6	10	Alternately	-1504
184	30/20/16	24	2.4/1.6	15	Alternately	-1603
184	16	40	2.4/1.6	10	Alternately	-1702
185	30/20/16	40	2.4/1.6	10	Alternately	-1801
190	20/16	24	2.4/1.6	15	Alternately	-1900
190	30/20/16	24	2.4/1.6	15	Alternately	-2007
190	30/20/16	40	2.4/1.6	10	Alternately	-2106
200	30/25/15	24	2.6/1.8	15	Alternately	-2205
200	30/25/15	40	2.6/1.8	10	Alternately	-2304
204	30	24	2.6/1.7	22	Alternately	-2403
210	35/30/25/20	24	2.6/1.8	15	Alternately	-2502
216	30	50	2.8/2.0	-5	Trapets	-2601
216	30	24	2.8/2.0	10	Alternately	-2700
235	35/30/25	40	2.8/2.0	10	Alternately	-2809
250	30/20	24	2.8/2.0	15	Alternately	-2908
250	30/20	40	2.8/2.0	10	Alternately	-3005
254	30/25/20	40	2.8/2.0	10	Alternately	-3104
250	30/20	60	2.8/2.0	10	Alternately	-3203
300	30	30	3.2/2.2	22	Alternately	-3302
300	30	36	2.8/1.9	22	Alternately	-3401
300	30	48	2.8/1.9	22	Alternately	-3500
300	30	60	2.8/1.9	22	Alternately	-3609
305	30	60	2.8/1.9	22	Alternately	-3708
315	30	30	3.2/2.2	22	Alternately	-3807
315	30	48	2.8/1.9	22	Alternately	-3906
350	30	36	3.2/2.5	22	Alternately	-4003
350	30	42	3.2/2.2	22	Alternately	-4102
350	30	56	3.2/2.2	22	Alternately	-4201
400	30	40	3.2/2.5	22	Alternately	-4300
400	30	48	3.2/2.2	22	Alternately	-4409
400	30	64	3.2/2.2	22	Alternately	-4508

Insert rings

Luna. From metal. For reducing the hole diameter of circular saw blades. Allows greater flexibility – same circular saw blade fits several circular saws.



No 20743

Art. no.	<i>20743</i>	-0109	-0208	-0307	-0406	-0505	-0604	-0703	-0802
Dimension	mm	20×15	20×16	30×15	30×16	30×20	30×22.2	30×25	30×25.4
Thickness	mm	1.4	1.4	1.4	1.9	1.9	1.5	1.9	1.5



No 20118
No 20119

Cut-off wheels

For angle grinders

Luna. Cut-off wheels for cutting iron, steel and stainless steel as well as stone, brick, concrete and glazed tiles. Cut-off wheels for metal are iron-free, i.e. have a very low content of iron, chlorine and sulphur. Reinforced. Max. peripheral speed 80 m/s.

Diam. x thickness x hole mm	Max. speed rpm	For iron and steel		For brick and concrete	
		Art. no. 20118	Pack. qty	Art. no. 20119	Pack. qty
115x1.0x22	13300	-0106	25*	-	-
115x1.6x22	13300	-0205	25*	-0105	25*
125x1.0x22	12300	-0304	25*	-	-
125x1.6x22	12300	-0403	25*	-0204	25*
150x1.6x22	10190	-0502	25*	-	-
180x1.6x22	8500	-0601	25*	-0303	25*
230x1.9x22	6650	-0700	25*	-0402	25*



No 20120
No 20121

Depressed centre wheels

For angle grinders

Luna. Depressed centre wheels for grinding of iron, steel and stainless steel resp. stone, brick, concrete and glazed tile. Depressed centre wheels for metal are iron-free, i.e. have a very low content of iron, chlorine and sulphur. Reinforced. Max. peripheral speed 80 m/s.

Diam. x thickness x hole mm	Max. speed rpm	For iron and steel		For brick and concrete	
		Art. no. 20120	Pack. qty	Art. no. 20121	Pack. qty
115x6.5x22	13300	-0102	10*	-	-
125x6.5x22	12300	-0201	10*	-0101	10*
180x6.5x22	8500	-0300	10*	-0200	10*
230x6.5x22	6650	-0409	10*	-	-



No 20146

Diamond cut-off wheels

For angle grinders

Luna. Concrete. For dry and wet cutting of concrete, brick and stone. Gives coarse cut. Sintered segments, segmented. Max. peripheral speed 80 m/s.

Diam.xthick- nessxhole mm	Segment heightxwidth mm	Art. no.	Pack.
		20146	qty
115x2.0x22	7.0x2.0	-0102	5
125x2.1x22	7.0x2.1	-0201	5
180x2.4x22	7.0x2.4	-0300	5
230x2.5x22	7.0x2.5	-0409	5



No 20148

Luna. Turbo. Sintered, full tuck pointed rim, smooth main blade. For dry and wet cutting of concrete, brick, marble and stone. Max. peripheral speed 80 m/s.

Diam.xthick- nessxhole mm	Segment heightxwidth mm	Art. no.	Pack.
		20148	qty
115x2.1x22	7.0x2.1	-0100	5
125x2.1x22	7.0x2.1	-0209	5
180x2.5x22	7.0x2.5	-0308	5
230x2.5x22	7.0x2.6	-0407	5



No 20147

Luna. Ceram. Sintered, completely flat rim. For dry and wet cutting of glazed tile, clinker and ceramics. Gives a very fine sectional area. Max. peripheral speed 80 m/s.

Diam.xthick- nessxhole mm	Segment heightxwidth mm	Art. no.	Pack.
		20147	qty
115x1.8x22	5.0x1.8	-0101	5
125x1.8x22	5.0x1.8	-0200	5
180x1.8x25.4/22	5.0x1.8	-0305	5

Back-up pads

Luna. Support cup for abrasive discs and polishing hats. with 6 mm spindle.

Art. no.	21104	-0100	-0209
Type		Rubber	Velcro
Diameter.....	mm	125	125



No 21104

Luna. Support cup for fibre discs. With M 14 female thread for direct assembly on the machine spindle.

Art. no.	21105	-0109	-0208
Diameter	mm	125	178
Hole thread		M 14	M 14



No 21105

Polishing hats

Luna. Polishing hat with Velcro back or cord. Used with back-up pad.

Art. no.	20111	-0103	-0202
Attachment		Velcro	Cord
Diameter	mm	125	125
Pack.....	qty	5*	5*



No 20111-0103

No 20111-0202

Polishing sponges

Luna. Polishing sponge 125 mm. With **Velcro back**. Used with back-up pad.

Art. no.	20112	-0102
Diameter	mm	125
Pack.....	qty	5*



No 20112

Sandpaper discs

Luna. Sanding paper discs for wood, paint and metal. Diameter 125 mm. With **Velcro back**.

Grit size	Quantity discs per pack.	Diameter 125 mm	
		Art. no.	Quantity pack. per box
ness		21106	
50	5	-0108	5*
80	5	-0207	5*
120	5	-0308	5*
Grade.	5	-0407	5*



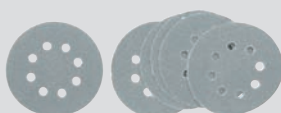
No 21106

Luna. Sanding paper discs **PEX** for wood, paint and metal. Diameter 125 mm. With **Velcro back** and 8 dust extraction holes.

Grit size	Quantity discs per pack.	Diameter 125 mm	
		Art. no.	Pack.
ness		21108	qty
50	5	-0106	5*
80	5	-0205	5*
120	5	-0304	5*
180	5	-0403	5*
240	5	-0502	5*
320	5	-0601	5*
Grade.	5	-0700	5*
Type bulk pack	20	-0809	5*



No 21108



No 20098

Sandpaper discs

Luna. Sanding paper discs PEX for wood, paint and metal. Diameter 125 mm. With **Velcro back** and 8 dust extraction holes. **NO-FILL** with special coating, stearate coated, counteracts clogging and makes the abrasive paper free cutting and strong; particularly suitable for varnish and filler.

Grit size	Diameter 125 mm		Diameter 125 mm Bulk pack	
	Art. no.	Quantity discs per pack.	Art. no.	Quantity discs per pack.
ness	20098		20098	
40	-0100	5	-0605	25
60	-0209	5	-0704	25
80	-0308	5	-0803	25
120	-0407	5	-0902	25
Grade.	-0506	5	-1009	25



No 20099

Fibre discs

Luna. Fibre discs for machine sanding of wood, paint and metal.

Grit size	Quantity discs per pack.	125x22 mm		178x22 mm	
		Art. no.	Quantity pack.	Art. no.	Quantity pack.
ness		20099		20099	
36	5	-0109	5*	-0406	5*
50	5	-0208	5*	-0505	5*
80	5	-0307	5*	-0604	5*

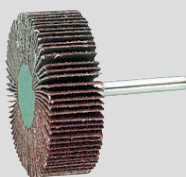


No 20117 Convex

Flap discs

Luna. Flap discs for grinding iron, steel and stainless steel. Built-up of rectangular abrasive cloth flaps, overlapping each other and bonded on a reinforced fibre backing. The convex form is ideal for both fine grinding with the full area and for grinding with a high peripheral working pressure. Max. periphery speed 80 m/sec.

Grit size	125x22 mm convex	
	Art. no.	Pack. qty
ness	20117	
40	-0107	10*
60	-0206	10*
80	-0305	10*



No 20100

Flap wheels

Luna. Flap wheel with abrasive cloth radially attached in Bakelite hub for sanding of wood, paint and metal. For sanding of contoured surfaces and internal sanding.

Art. no.	20100	-0106	-0205	-0304
Diameter	mm	20	50	60
Width	mm	20	20	40
Grit size		80	80	80
Pack.	qty	5*	5*	5*



No 20101

Abrasive sheet

Luna. Abrasive paper sheet for hand sanding of wood, paint and metal. Sheet size 230x280 mm.

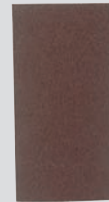
Art. no.	20101	-0105	-0204	-0303	-0402
Grit size		50	80	120	180
No. of sheets	per pack.	5	5	5	5
No. pack.		10*	10*	10*	10*
Art. no.	20101	-0501	-0600	-0709	
Grit size		Grade.	Wet grade.	Emery grade.	
No. of sheets	per pack.	5	5	5	
No. pack.		10*	10*	10*	

Abrasive sheet

For surface grinders

Luna. Abrasive paper sheet for machine and hand sanding of wood, paint and metal.

Grit size	Quantity sheets per pack.	93x230 mm		115x280 mm	
		Art. no.	Quantity pack. per box	Art. no.	Quantity pack. per box
lek		20102		20103	
50	5	-0104	5*	-0103	5*
80	5	-0203	5*	-0202	5*
120	5	-0302	5*	-0301	5*
180	5	-0401	5*	-	-
240	5	-0500	5*	-	-
Grade.	5	-0609	5*	-	-
Type bulk pack	50	-0708	5*	-	-



No 20102
No 20103

Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 93x185 mm. With **Velcro back** and dust extraction holes.

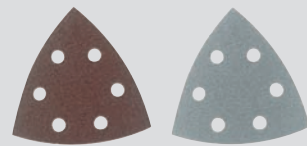
Art. no.	20104	-0102
Grit size		Grade.
No. of sheets	per pack.	5
No. per pack.	per box	5*



No 20104

Triangular

Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 93x93x93 mm. With **Velcro back** and dust extraction holes. **NO-FILL** with special coating, stearate coated, counteracts clogging and makes the abrasive paper free cutting and strong; particularly suitable for varnish and filler.



No 20106

No 20107

Grit size	93x93x93 mm			93x93x93 mm NO-FILL			93x93x93 mm NO-FILL Bulk pack		
	Art. no.	Quantity sheets per pack.	Quantity pack. per box	Art. no.	Quantity sheets per pack.	Quantity pack. per box	Art. no.	Quantity sheets per pack.	Quantity pack. per box
	20106			20107			20107		
50	-0100	5	5*	-0109	5	5*	-0505	25	5*
80	-0209	5	5*	-0208	5	5*	-0604	25	5*
120	-0308	5	5*	-0307	5	5*	-0703	25	5*
240	-0407	5	5*	-	-	-	-	-	-
Grade.	-0506	20	5*	-0406	20	5*	-	-	-

Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 95x145 mm. With **Velcro back** and dust extraction holes.

Grit size	Quantity sheets per pack.	95x145 mm	
		Art. no.	Quantity pack.
ness		20108	
50	5	-0108	5*
80	5	-0207	5*
120	5	-0306	5*
180	5	-0405	5*
240	5	-0504	5*
Grade.	5	-0603	5*
Type bulk pack	20	-0702	5*



No 20108

Abrasive sheet

Triangular



No 20109

Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 105x175 mm. With **Velcro back** and dust extraction holes.

Grit size	Quantity sheets per pack.	105x175 mm	
		Art. no.	Quantity pack. per box
ness		20109	
50	5	-0107	5*
80	5	-0206	5*
120	5	-0305	5*
240	5	-0404	5*
Grade.	5	-0503	5*
Type bulk pack	20	-0602	5*



No 20110

Abrasive belts

For wood and metal sanding

Luna. Abrasive cloth belt for machine sanding of wood, paint and metal.

Dimensions mm	Quantity tie per pack.	Grit 40		Grit 80		Grit 120	
		Art. no.	Quantity pack. per box	Art. no.	Quantity pack. per box	Art. no.	Quantity pack. per box
		20110		20110		20110	
13x455	2	-0104	5*	-0203	5*	-0302	5*
60x400	2	-0401	5*	-0500	5*	-0609	5*
65x410	2	-0708	5*	-0807	5*	-0906	5*
75x457	2	-1003	5*	-1102	5*	-1201	5*
75x480	2	-1300	5*	-1409	5*	-1508	5*
75x510	2	-1607	5*	-1706	5*	-1805	5*
75x533	2	-1904	5*	-2001	5*	-2100	5*
100x552	2	-2209	5*	-2308	5*	-2407	5*
100x560	2	-2506	5*	-2605	5*	-2704	5*
100x620	2	-2803	5*	-2902	5*	-3009	5*

*) Only unopened pack.

Axial brushes

With 6 mm stub axle

Luna. With wavy steel wire for lighter cleaning work and surface treatment.



No 20151

Art. no.	20151	-0104	-0203
Diameter	mm	40	60
Wire thickness	mm	0.30	0.30
Max. speed	rpm	13000	10000
Pack.	qty	5	5

With thread

Luna. With wavy steel wire for lighter cleaning work and surface treatment.



No 20155

Art. no.	20155	-0100
Diameter	mm	70
Wire diameter	mm	0.30
Thread		M 14
Max. speed	rpm	12500
Pack.	qty	4

Luna. With wound steel wire for demanding cleaning work and surface treatment.



No 20153

Art. no.	20153	-0102	-0201
Diameter	mm	65	65
Wire thickness	mm	0.35	0.50
Row quantity		1	1
Shaft hole thread		M 14	M 14
Max. speed	rpm	12500	12500
Pack.	qty	4	4

Axial brushes

With thread

Luna. Slightly cupped. With wound steel wire for demanding cleaning work and surface treatment.

Art. no.	20150	-0105	-0204
Diameter	mm	100	115
Wire diameter	mm	0.35	0.35
Row quantity		1	1
Hub bore		M 14	M 14
Max. speed	rpm	12500	12500
Pack.	qty	4	4



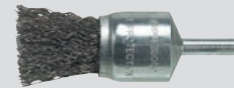
No 20150

End brushes

With 6 mm stub axle

Luna. With wavy steel wire for lighter cleaning work and surface treatment.

Art. no.	20152	-0103	-0202
Diameter	mm	15	26
Wire thickness	mm	0.40	0.50
Max. speed	rpm	20000	20000
Pack.	qty	5	5



No 20152

Circular brushes

With 6 mm stub axle

Luna. With wound steel wire for demanding cleaning work and surface treatment.

Art. no.	20149	-0109
Diameter	mm	75
Width	mm	7
Wire thickness	mm	0.35
Max. speed	rpm	20000
Pack.	qty	5



No 20149

Luna. With wavy steel wire for lighter cleaning work and surface treatment.

Art. no.	20154	-0101	-0200	-0309	-0408
Diameter	mm	25	50	75	100
Width	mm	7	14	14	14
Wire thickness	mm	0.20	0.30	0.30	0.30
Max. speed	rpm	20000	20000	12000	7000
Pack.	qty	5	5	5	5



No 20154

Drill chucks

Luna. Three-jaw. The jaws are hardened and ground. Key holes hardened. With tapered mounting hole according to DIN 238 or with threaded mounting hole. Key supplied.

* marked chucks with threaded mounting hole bored for screw lock for left rotation.

Clamping width mm	Outside diam. mm	Length open mm	Spanner DIN 6349/4	Drive	Art. no.
1.5-10*	34	49	S 2	3/8x24	20085
1.5-13*	42	59	S 2	1/2x20	-0402 -0709



No 20085

Luna. Three-jaw drill chucks with chuck key. Chucks with threaded mounting hole are bored and have screw lock for left rotation.

Clamping width mm	Outside diam. mm	Length open mm	Spanner DIN 6349/4	Drive	Art. no.
1.5-10	34	49	S 1	3/8x24	20990
1.5-10	34	49	S 1	1/2x20	-0109 -0208
1.5-13	42	59	S 2	1/2x20	-0307



No 20990

With 1/4" ⬡ - attachment

Luna. For drill/screw driver with 1/4" ⬡ -drive. For right/left rotation. Three-jaw. The jaws are hardened and ground. Key supplied.

Art. no.	20993	-0106
Clamping width	mm	0.5-6.5
Outside diameter	mm	30



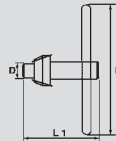
No 20993

Drill chucks

Chuck keys



No 20083



Luna. For three-jaw drill chucks.

Art. no.	20083	-0206	-0404	-0503
For Luna chucks	mm	10	13	16
Size DIN 6349/4		S 1	S 2	S 3
Size D	No	6 M	13 M	16 M
Size L1	mm	35	39	45
Size L	mm	56	80	110



No 20992-0107



No 20992-0503

Keyless

Luna. Safety chuck with self-locking system specially designed for hammer drilling machines. High clamping force. Three-jaw. Hardened and ground jaws. Bored through with screw locking device for both right and left rotation. With metal casing for greater durability.

Art. no.	20992	-0107	-0206	-0305	-0404	-0503
Luna	No	13	P 10	P 10	P 13	P 13
Threaded mounting hole	UNC	1/2x20	3/8x24	1/2x20	3/8x24	1/2x20
Clamping width	mm	2-13	0.8-10	0.8-10	1.5-13	1.5-13
Outside diameter	mm	43	41	41	43	43
Length	mm	67-75	54-64	54-64	62-75	62-75

Screwdrivers

Bit holder - with magnet and protective sleeve



No 20138

Luna. Magnetic sleeve with hex opening with recessed magnet that holds the screw. 1/4" \odot -drive.

Art. no.	20138	-0102	-1001	-2009
Size for screws	inches/mm	1/4	8	10
Length	mm	48	48	48
Pack	qty	5	5	5

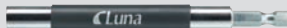
Bit holder - with magnet



No 20136

Luna. Bit holder with recessed magnet. Stainless in one piece. 1/4" \odot -drive.

Art. no.	20136	-0104	-1003
For bits \odot	inch	1/4	1/4
Length	mm	57	150
Diameter	mm	10	10
Pack	qty	5	5



No 20137

Luna. Bit holder with recessed magnet and screw guide. With 1/4" \odot -drive.

Art. no.	20137	-0103	-1002
For bits \odot	inch	1/4	1/4
Length	mm	80	120
Diameter	mm	10	10
Pack	qty	5	5



No 20135

Luna. Bit holder with recessed magnet. Stainless sleeve. 1/4" \odot -drive.

Art. no.	20135	-0105	-1004
For bits \odot	inch	1/4	1/4
Length	mm	60	75
Diameter	mm	10	10
Pack	qty	5	5

Bit holder - with quick release chuck



No 20133

Luna. Quick chuck holder with recessed magnet and ball lock. 1/4" \odot -drive.

Art. no.	20133	-0107
For bits \odot	inch	1/4
Length	mm	50
Pack	qty	5



No 20134

Luna. Quick chuck for bits with shoulder. 1/4" \odot -drive.

Art. no.	20134	-0106
For bits \odot	inch	1/4
Length	mm	65
Pack	qty	5

Screwdrivers

Bits for slotted heads

Luna. Standard bits for slotted heads. With 1/4"-drive.

Art. no.	20122	-0100	-1009
Driver thickness × width	mm	0.6 x 3.5	0.6 x 4.5
Length	mm	25	25
Number of bits per	pack.	2	2
Pack	qty	5	5
Art. no.	20122	-4003	-5000
Driver thickness × width	mm	0.6 x 3.5	0.6 x 4.5
Length	mm	25	25
Number of bits per	pack.	10	10
Pack	qty	3	3
Art. no.	20122	-2007	-3005
Driver thickness × width	mm	0.8 x 5.5	1.2 x 6.5
Length	mm	25	25
Number of bits per	pack.	2	2
Pack	qty	5	5
Art. no.	20122	-6008	-7006
Driver thickness × width	mm	0.8 x 5.5	1.2 x 6.5
Length	mm	25	25
Number of bits per	pack.	10	10
Pack	qty	3	3



No 20122

Bits for Phillips heads

Luna. Standard bits for Phillips heads. With 1/4"-drive.

Art. no.	20123	-0109	-1008	-2006
Phillips-head	No	1	2	3
Length	mm	25	25	25
Number of bits per	pack.	2	2	2
Pack	qty	5	5	5
Art. no.	20123	-3004	-4002	-5009
Phillips-head	No	1	2	3
Length	mm	25	25	25
Number of bits per	pack.	10	10	10
Pack	qty	3	3	3
Art. no.	20123	-	-6007	-
Phillips-head	No	-	2	-
Length	mm	-	25	-
Number of bits per	pack.	-	50	-
Pack	qty	-	3	-



No 20123

Luna. Standard bits for Phillips heads. With 1/4"-drive.

Length 50 mm			
Art. no.	20129	-0103	
Phillips-head	No	2	
Number of bits per	pack.	2	
Pack	qty	5	
Art. no.	20129	-2000	
Phillips-head	No	2	
Number of bits per	pack.	10	
Pack	qty	3	
Length 150 mm			
Art. no.	20129	-1002	
Phillips-head	No	2	
Number of bits per	pack.	1	
Pack	qty	5	



No 20129

Screwdrivers

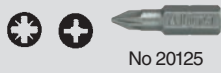
Bits for Phillips heads



Luna. Bits with machined throat. For cross heads Phillips according to the **American standard** (shallower hole). Also fits in heads according to the European standard. Suitable for tightening plasterboard screws. with 1/4" -drive.

Art. no.	20124	-0108
Phillips-head	No	2
Length	mm	25
Number of bits per	pack.	2
Pack.....	qty	5
Art. no.	20124	-1007
Length	mm	25
Number of bits per	pack.	10
Pack.....	qty	3
Art. no.	20124	-2005
Length	mm	25
Number of bits per	pack.	50
Pack.....	qty	3

Bits for Pozidriv and Supadriv heads



Luna. Standard bits for Pozidriv and Supadriv cross heads. With 1/4" -drive.

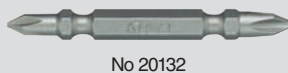
Art. no.	20125	-0107	-1006	-2004
Pozidriv head	No	1	2	3
Length	mm	25	25	25
Number of bits per	pack.	2	2	2
Pack.....	qty	5	5	5
Art. no.	20125	-3002	-4000	-5007
Pozidriv head	No	1	2	3
Length	mm	25	25	25
Number of bits per	pack.	10	10	10
Pack.....	qty	3	3	3
Art. no.	20125	-6005	-7003	-8001
Pozidriv head	No	1	2	3
Length	mm	25	25	25
Number of bits per	pack.	50	50	50
Pack.....	qty	3	3	3



Luna. Standard bits for Pozidriv and Supadriv cross heads. With 1/4" -drive.

Length 50 mm				
Art. no.	20130	-0100	-1009	-2007
Phillips-head	No	1	2	3
Number of bits per	pack.	2	2	2
Pack.....	qty	5	5	5
Art. no.	20130	-4003	-5000	-6008
Phillips-head	No	1	2	3
Number of bits per	pack.	10	10	10
Pack.....	qty	3	3	3
Length 150 mm				
Art. no.	20130	-	-3005	-
Phillips-head	No	-	2	-
Number of bits per	pack.	-	1	-
Pack.....	qty	-	5	-

Long bits




Luna. Double bits for crosspoint tip. With 1/4" -drive.

Art. no.	20132	-0108	-1007
Phillips-head	No	1, 2	-
Pozidriv	No	-	1, 2
Length	mm	65	65
Number of bits per	pack.	2	2
Pack.....	qty	5	5

Screwdrivers


Bits for hex holes

Luna. Standard bits for hex holes. With 1/4"--drive.

Art. no.	20126	-0106	-1005	-2003	-3001
For hex holes.....	mm	3	4	5	6
Length.....	mm	25	25	25	25
Number of bits per.....	pack.	2	2	2	2
Pack.....	qty	5	5	5	5
Art. no.	20126	-4009	-5006	-6004	-7002
For hex holes.....	mm	3	4	5	6
Length.....	mm	25	25	25	25
Number of bits per.....	pack.	10	10	10	10
Pack.....	qty	3	3	3	3




Bits for square recessed heads

Luna. Standard bits for Robertson square recessed heads. With 1/4"--drive.

Art. no.	20127	-0105	-1004
For square recessed heads.....	No	1	2
Length.....	mm	25	25
Number of bits per.....	pack.	2	2
Pack.....	qty	5	5
Art. no.	20127	-2002	-3000
For square recessed heads.....	No	1	2
Length.....	mm	25	25
Number of bits per.....	pack.	10	10
Pack.....	qty	3	3



Bits for TX heads

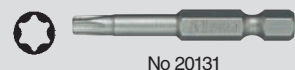
Luna. Torx standard bits for **internal** six point heads. With 1/4"--drive.

Art. no.	20128	-0104	-0500	-1003	-1508	-2001	-2506	-3009
TX-slot.....	No	TX10	TX15	TX20	TX25	TX27	TX30	TX40
Length.....	mm	25	25	25	25	25	25	25
Number of bits per.....	pack.	2	2	2	2	2	2	2
Pack.....	qty	5	5	5	5	5	5	5
Art. no.	20128	-3504	-4007	-4502	-5004	-5509	-6002	-6507
TX-slot.....	No	TX10	TX15	TX20	TX25	TX27	TX30	TX40
Length.....	mm	25	25	25	25	25	25	25
Number of bits per.....	pack.	10	10	10	10	10	10	10
Pack.....	qty	3	3	3	3	3	3	3
Art. no.	20128	-7000	-	-7505	-8008	-	-8503	-
TX-slot.....	No	TX10	-	TX20	TX25	-	TX30	-
Length.....	mm	25	-	25	25	-	25	-
Number of bits per.....	pack.	50	-	50	50	-	50	-
Pack.....	qty	3	-	3	3	-	3	-



Luna. Torx standard bits for **internal** six point heads. With 1/4"--drive.

Length 50 mm								
Art. no.	20131	-0109	-0505	-1008	-1503			
TX-slot.....	No	TX10	TX20	TX25	TX30			
Number of bits per.....	pack.	2	2	2	2			
Pack.....	qty	5	5	5	5			
Art. no.	20131	-5504	-6007	-6502	-7005			
TX-slot.....	No	TX10	TX20	TX25	TX30			
Number of bits per.....	pack.	10	10	10	10			
Pack.....	qty	3	3	3	3			
Length 70 mm								
Art. no.	20131	-2006	-2501	-3004	-3509			
TX-slot.....	No	TX10	TX20	TX25	TX30			
Number of bits per.....	pack.	1	1	1	1			
Pack.....	qty	5	5	5	5			
Length 150 mm								
Art. no.	20131	-4002	-4507	-5009	-			
TX-slot.....	No	TX10	TX20	TX25	-			
Number of bits per.....	pack.	1	1	1	-			
Pack.....	qty	5	5	5	-			





No 20035

Screwdrivers

Bits for TX heads

Luna. TX bits with holes for tamper proof screws.. For internal sex point heads according to TX-system. The head gives minimal loss of torque transmission. With 1/4" drive.

Art. no.	20035	-0106	-0205	-0304	-0403	-0502	-0601	-0700
TX-no.	No	TX10	TX15	TX20	TX25	TX27	TX30	TX40
Max. head width.	mm	2.79	3.27	3.86	4.43	4.99	5.52	6.65
For screw	M	3-3.5	3.5-4	4-4.5	4.5-5	4.5-6	6-7	7-8
Length	mm	25	25	25	25	25	25	25
Number of bits per pack.	pack.	1	1	1	1	1	1	1
Pack.	qty	5	5	5	5	5	5	5
Ditto 10 pack.	20035	-	-	-0809	-0908	-	-	-
Number of bits per pack.	pack.	-	-	10	10	-	-	-
Pack.	qty	5	-	5	5	-	-	-



No 20139 A

Bit sets

Luna. 25 part bit set with quick chuck holder in practical storage box with belt clip. 1/4" drive.

Art. no.	20139	-0101	-1000
Model		A	B
Bits for slotted heads	mm	3.5, 4.5, 5.5, 6.5	-
Bits for Phillips heads	No	1, 2, 3	-
Bits for Phillips heads (grabber)	No	2	2 (3)
Bits for Pozidriv heads	No	1, 2, 3	1, 2, 3 (3 of each)
Bits for square hole	No	1, 2	-
Bits for hexagon hole	mm	3, 4, 5, 6	-
Bits for TX heads	No	10, 15, 20, 25, 27, 30, 40	10, 20, 25, 30, (3 of each)
Bit holder with quick chuck, length	mm	50	50
Pack.	qty	10	10
Ditto 50 pack, without blisterpack	20139	-0200	-
Pack.	qty	50*	-



No 20140

Luna. 31 part bit set with magnetic bit holder in practical storage box with belt clip. 1/4" drive.

Art. no.	20140	-0108
No. of pieces	ea	31
Bits for slotted heads	mm	3.5, 4.5, 5.5, 6.5
Bits for Phillips heads	No	1, 2 (x 2), 3
Bits for Phillips head (grabber)	No	2 (2)
Bits for Pozidriv heads	No	1, 2 (x 2), 3
Bits for square hole	No	1, 2
Bits for hexagon hole	mm	3, 4, 5, 6
Bits for TX heads	No	10 (x 2), 15, 20 (x 2), 25 (x 2), 27, 30, 40
Stainless bit holder with magnet, length	mm	57
Plastic holder for 10 bits	ea	3
Pack.	qty	10



No 20141

Luna. 30 part bit and drill set. Supplied in plastic case.

Art. no.	20141	-0107
Bits for slotted heads (25 mm)	mm	3.5, 4.5
Bits for Phillips heads (25 mm)	No	1, 2, 3
Bits for Phillips heads (grabber 25 mm)	No	2 (2)
Bits for Pozidriv heads (25 mm)	No	1 2 3
Bits for Torx-heads (25 mm)	No	10, 15, 20, 25, 30, 40
Bits for slotted heads (50 mm)	mm	5.5
Bits for Phillips heads (50 mm)	No	2
Bits for Pozidriv heads (50 mm)	No	2
Drill with bit attachment	mm	2, 2.5, 3, 4, 5
Countersink	mm	35
Magnetic sleeve for screws	inches/mm	1/4, 8, 10
Quick chuck for bits with shoulder	inch	1/4
Bit holder with screw guide	mm	75
Pack.	qty	5

Hammers

Carpenter's hammers with tubular steel handle

Luna. Mini hammer. Oval, chromium plated tubular handle. Perforated rubber grip.

Art. no.	20919	-0107
Weight without handle	oz	8
Weight with handle	g	430
Handle length	mm	280
Head diameter	mm	20
Pack.	qty	6



No 20919

Luna. With round face and octagonal throat. Chrome, oval steel handle covered with perforated rubber grip.

Art. no.	20051	-0105	-0204	-0303
Weight without handle	oz	13	16	20
Weight with handle	g	575	675	790
Length of handle	mm	315	315	340
Head diameter	mm	25	27	29
Pack.	qty	6	6	6



No 20051

Luna. With magnet and groove in the head that holds brads. Round face and octagonal throat. Chrome, oval steel tube handle with perforated rubber grip.

Art. no.	20052	-0104
Weight without handle	oz	16
Weight with handle	g	675
Head diameter	mm	28
Pack.	qty	6



No 20052

Carpenter's hammer with fibre glass handle

Luna. With round face and octagonal throat. Equipped with fibre glass handle with rubber grip.

Art. no.	20053	-0103
Weight without handle	oz	16
Weight with handle	g	720
Length of handle	mm	320
Head diameter	mm	27
Pack.	qty	6

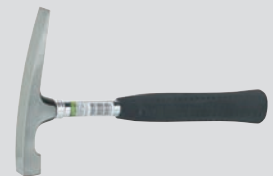


No 20053

Bricklayer's hammers with steel tube handle

Luna. With square face and steel tube handle, covered with perforated rubber grip. Black enamelled neck, otherwise polished finish.

Art. no.	20054	-0102
Weight without handle	oz	16
Weight with handle	g	700
Pack.	qty	6



No 20054

Chisel hammer

Club hammer

Luna. Hammer finish. Oval steel tube handle, covered with perforated rubber grip.

Art. no.	20055	-0101
Weight without handle	g	1200
Weight with handle	g	1500
Pack.	qty	6



No 20055



No 20859

Art. no.
 Tip diameter
 Total length

Centre punches

Luna. Made of tool steel. Tapered with 60° tip. With round knurled shank.

20859	-0109	-0208	-0307	-0406
mm	2	3	4	6
mm	100	100	100	100



No 20861

Art. no.
 Tip diameter
 Total length

Hole punches Nail punches

Luna. Made of tool steel. Flat tip. With round knurled shank.

20861	-0105	-0204	-0303
mm	2	3	4
mm	100	100	100



No 20860

Art. no.
 Tip diameter
 Total length

Luna. Made of tool steel. Concave tip. With round knurled shank.

20860	-0106	-0205	-0304
mm	2	3	4
mm	100	100	100



No 20858

Luna. Nail punch set Made of black oxidized chrome vanadium steel. Rubber covered handle. Concave tip.

Art. no.	20858	-0100
Tip diameters	mm	1.5 2.5 3.5
Length	mm	125

Chisels

Motrise chisels

Luna. Mortise chisel with grip-friendly handle in a two component material. Supplied in suspension pack.



No 20849

Art. no.	20849	-0201	-0300	-0409	-0508	-0607	-0706
Width.....	mm	6	8	10	12	14	16
Art. no.	20849	-0755	-0805	-0904	-1001	-1100	-1209
Width.....	mm	19	20	22	25	32	38

Set

Luna. Mortise chisel with grip-friendly handle in a two component material. Supplied in plastic case.



No 20849/Set

Art. no.	20849	-0102
Quantity	ea	4
Widths.....	mm	6, 12, 20, 25

Gouges

Luna. Gouges. Two component handle.



No 20850

Art. no.	20850	-0108	-0207	-0306	-0405
Width.....	mm	8	12	18	25

Measuring tapes

Short steel measuring tapes

Luna. With yellow enamelled steel tape. In impact resistant plastic casing with flat underside for internal measuring. Spring return tape with lock. Belt clip. Flexible end hook. Graduation: metric. Scale zero point according to IV Graduation tolerance according to EU precision standard II, see



No 20956

Art. no.	20956	-0101	-0200	-0309	-0408
Length.....	m	2	3	5	8
Width.....	mm	13	13	19	19
Pack.....	qty	6	6	6	6

Self-adhering steel measuring tape

Luna. Graduated from left to right. Continuous mm and dm graduation. Tolerance ± 0.7 mm.

Art. no.	20947	-0103
Luna.....	No	PIT 5M
Length.....	m	5
Width.....	mm	13



No 20947



No 20145

Glue clamps

Luna. Reinforced two-component plastic clamp with powerful springs.

Art. no.	20145	-0103	-0202	-0301	-0400
Length	mm	85	115	175	210
Size	mm	30	40	60	75



No 20857

Screw clamps

Luna. One-hand clamp with quick setting. Bar of steel. Pressure disc with plastic cover. The fixed jaw is reversible for internal clamping and stretching outwards. Clamping force 150 kg.

Art. no.	20857	-0101	-0200	-0309	-0408
Span width	mm	150	300	450	600
Throat depth	mm	85	85	85	85



No 20952

Luna. Of malleable hard iron. Bar of high-polish galvanized steel. Heavy duty square-threaded, bronzed screw with plastic protected, ball-jointed shoe. With wooden handle.

Clamping width	Throat depth	Bar dim.	Weight	Art. no.	Pack.	Extra shoes
mm	mm	mm	kg	20952	qty	Art. no.
120	60	20x5	0.45	-0105	10	-2002
150	80	25x6	0.75	-0204	10	-2101
200	100	30x8	1.12	-0303	10	-2200
250	120	30x8	1.67	-0402	10	-2200
300	120	30x8	1.60	-0501	10	-2200
300	140	35x9	2.14	-0600	10	-2309
400	140	35x9	2.35	-0709	5	-2309
400	175	35x9	2.74	-0808	5	-2309
500	120	30x8	2.03	-0907	10	-2309
500	175	35x9	2.05	-1004	5	-2309
800	120	30x8	2.50	-1103	5	-2200
1000	175	35x9	4.00	-1202	5	-2309



No 20757

Bench clamps

Glue presses

Luna. Profile of high strength steel, galvanized and with double toothing pattern. Runner of single action type locks eccentrically against the top and bottom of the rail. Jointed handle and hexagonal head for extra tensioning. Both jaws equipped with plastic guards.

Art. no.	20757	-0102	-0201	-0300	-0409	-0508	-0607
Span width	mm	650	1000	1500	2000	2500	3000
Rail size	mm	40 x 5	40 x 5	40 x 5	40 x 5	40 x 5	40 x 5
Max. clamping force	N	10000	10000	10000	10000	10000	10000

Quick acting clamps

Machine clamp



No 20490

Luna. Powder coated, self-locking and with single non-pinch release lever. Swivel clamping jaw also holds perforated parts. 5 holes in the base plate for securing in machine slots or to secure to a bench.

Art. no.	20490	-0104
Luna	No	222-12-039222-12-LU
Length	mm	300
Gap width	mm	0-100
Jaw depth	mm	70
Weight	g	880

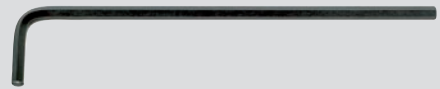
Hex keys



No 20521-20962-20522

Luna. Of chrome vanadium steel. Ground key ends. Size marked. Black.

Size mm	Length mm	Metric-series				AF-series				
		Unpack. Art. no. 20521	Pack. qty	SB-pack. Art. no. 20962	Pack. qty	Art. no. 20522	Size AF	Size mm	Length mm	Pack. qty
0.7	34x8	-0107	10	-0038	100	-	-	-	-	-
0.9	34x10	-0206	10	-0061	100	-	-	-	-	-
1.3	46x14	-0305	10	-0095	100	-	-	-	-	-
1.5	52x12	-0404	10*	-0103	20	-0106	1/16	1.6	46x13	10
2	58x12	-0503	10*	-0202	20	-0205	5/64	2	50x14	10
2.5	60x15	-0602	10*	-0301	20	-0304	3/32	2.4	56x17	10
3	65x20	-0701	10*	-0400	20	-0403	1/8	3.2	60x20	10
3.5	68x22	-0800	10	-	-	-	-	-	-	-
4	72x25	-0909	10*	-0509	20	-0502	5/32	4	68x24	10
5	80x28	-1006	10*	-0608	20	-0601	3/16	4.8	75x25	10
-	-	-	-	-	-	-0700	7/32	5.6	81x27	10
6	90x32	-1105	10*	-0707	20	-0809	1/4	6.4	88x30	10
7	95x34	-1204	10*	-0806	20	-	-	-	-	-
8	100x36	-1303	10*	-0905	20	-0908	5/16	8	98x34	10
9	106x38	-1402	10	-	-	-	-	-	-	-
10	112x40	-1501	10	-1002	20	-1005	3/8	9.5	110x37	10
11	118x42	-1600	5	-	-	-	-	-	-	-
12	125x45	-1709	5	-	-	-1104	1/2	12.7	125x45	5
13	132x50	-1808	5	-	-	-	-	-	-	-
14	140x55	-1907	5	-	-	-1203	5/16	14.3	140x55	5
15	150x57	-2004	5	-	-	-1302	3/8	15.9	153x57	5
16	153x57	-2103	5	-	-	-	-	-	-	-
17	160x60	-2202	5	-	-	-	-	-	-	-
18	170x65	-2301	5	-	-	-	-	-	-	-
19	175x70	-2400	5	-	-	-1401	3/4	19.1	175x70	5
22	200x80	-2509	1	-	-	-	-	-	-	-
27	250x100	-2608	1	-	-	-	-	-	-	-
30	290x120	-2657	1	-	-	-	-	-	-	-
32	315x125	-2707	1	-	-	-	-	-	-	-
36	315x125	-2806	1	-	-	-	-	-	-	-

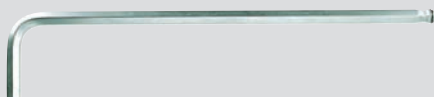


No 20523-20944

Luna. Long. Of chrome vanadium steel. Ground key ends. Size marked. Black.

Size mm	Length mm	Metric-series				AF-series				
		Unpacked 20523	Pack. qty	SB-pack. 20523	Pack. qty	Art. no. 20944	Size AF	Size mm	Length mm	Pack. qty
2	95x17	-0105	10	-	-	-	-	-	-	-
2.5	110x18	-0204	10	-	-	-	-	-	-	-
3	126x20	-0303	10	-0907	20	-0106	1/8	3.2	126x20	10
4	142x25	-0402	10	-1004	20	-	-	-	-	-
5	160x28	-0501	10	-1103	20	-0205	3/16	4.8	158x28	10
6	180x32	-0600	10	-1202	20	-0304	1/4	6.4	178x32	10
8	200x36	-0709	10	-	-	-0403	5/16	8	198x36	10
10	224x40	-0808	10	-	-	-0502	3/8	9.5	222x40	10

Hex keys



No 20516



Luna. Series BCT. **Extra long** hexagon keys of chrome vanadium steel. With globular hexagonal head and **screw holder** at the long key end. Ball shaped hexagonal heads at the long key end - which permits turning even at a 30° angle. Chromium plated.

Size mm	Length mm	Un-packed		SB-packed	
		Art. no. 20516	Pack qty	Art. no. 20516	Pack. qty
2.5	110x18	-0104	10	-	-
3	126x20	-0203	10	-0807	20
4	142x25	-0302	10	-0906	20
5	160x28	-0401	10	-1003	20
6	180x32	-0500	10	-1102	20
8	200x36	-0609	10	-	-
10	224x40	-0708	10	-	-



No 20965-20884



Luna. Chrome vanadium steel. Black. With ball shaped hexagonal head at the long key end - which permits turning even at a 30° angle.

Keys in sets, see 20964 page 217.

Size mm	Length mm	Un-packed		SB-packed			Un-packed			
		Art. no. 20965	Art. no. 20965	Art. no. 20884	Pack. qty	Size inch	Size mm	Length mm	Art. no. 20965	Pack. qty
1.5	79x16	-0100	-0108	-0108	20	1/16	1.6	79x15	-1108	50
2	86x17	-0209	-0207	-0207	20	5/64	2	84x17	-1207	50
2.5	94x18	-0308	-0306	-0306	20	3/32	2.4	92x17	-1306	50
3	101x20	-0407	-0405	-0405	20	1/8	3.2	102x20	-1405	50
4	110x25	-0506	-0504	-0504	20	5/32	4	108x25	-1504	50
5	120x28	-0605	-0603	-0603	20	3/16	4.8	118x28	-1603	50
5.5	127x30	-0654	-0702	-0702	1	-	-	-	-	-
6	133x32	-0704	-0801	-0801	20	7/32	5.6	125x30	-1702	50
7	145x34	-0803	-0900	-0900	20	1/4	6.4	135x32	-1801	50
8	154x36	-0902	-1007	-1007	20	5/16	8	152x36	-1900	25
10	172x40	-1009	-1106	-1106	20	3/8	9.5	170x40	-2007	25



No 20532

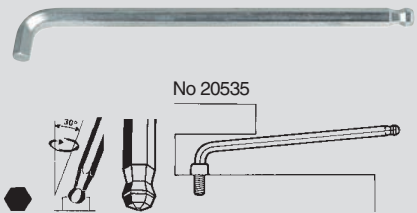


Luna. Chrome vanadium steel. With ballpoint, tapered hexagonal heads at the long key end - which permits turning at a 30° angle. Chrome plated.

Art. no.	20532	-0104	-0203	-0302	-0401	-0500	-0609	-0708
Luna TL Size	mm	1.5	2.0	2.5	3	4	5	6
Length	mm	79x16	95x17	110x18	126x20	142x25	160x28	180x32
Pack.	qty	10	10	10	10	10	10	10
Art. no.	20532	-0807	-0906	-1003	-1102	-1201	-1300	-1409
Luna TL Size	mm	8	10	11	12	14	17	19
Length	mm	200x36	224x40	240x43	250x45	280x55	320x60	360x70
Pack.	qty	10	10	4	4	4	4	4

Hex keys

Luna. Low height hexagon keys of chrome vanadium steel for good accessibility in confined areas. With ballpoint, tapered hexagonal heads at the long key end - which permits turning at a 30° angle. Chrome plated.



Art. no.	20535	-0101	-0200	-0309	-0408	-0507	-0606	-0705	-0804	-0903
Luna TT Size ...	mm	1.5	2	2.5	3	4	5	6	8	10
Length.....	mm	79x7.5	95x8.5	110x9	126x10	142x12.5	160x14	180x16	200x18	220x20
Pack.....	qty	20	20	20	20	20	20	20	20	20

In sets

Luna. In a ring. With spring. Set of 8 hexagon keys. Of chrome vanadium steel. Black.

Art. no.	20527	-0101	-0200
Measurement system		Metric	AF
Sizes.....		1.5 2 2.5 3	1/16 5/64 3/32 1/8
		4 5 5.5 6	5/32 3/16 7/32 1/4
Number of sets	per pack.	10	10



Luna. In a ring. With spring. Set of 10 hexagon keys. Of chrome vanadium steel. Black.

Art. no.	20918	-0108	-0207
Measuring system		Metric	AF
Sizes.....		1.5 2 2.5	1/16 5/64 3/32 1/8
		3 4 5 5.5	5/32 3/16 7/32 1/4
		6 8 10	5/16 3/8
Number of sets	per pack.	10	10



Luna. Set of 7 hexagon keys. Of chrome vanadium steel. Black. In plastic holder.

Art. no.	20939	-0103	-0202
Number of keys		7	7
Sizes.....		1.5 2 2.5	1/16 5/64 3/32 1/8
		3 4 5 6	5/32 3/16 1/4
Number of sets.....	per pack.	10	10





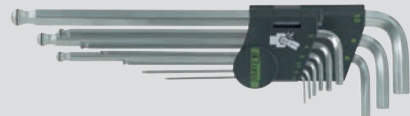
**Hex keys
In sets**

No 20893

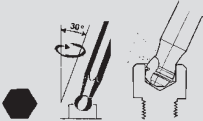


Luna. Set of 7 hexagon keys. Of chrome vanadium steel. Black. With ball shaped hexagonal head at the long key end - which permits turning even at a 30° angle. Supplied in plastic holder.

Art. no.	20893	-0107
Number of keys.....		7
Sizes.....	mm	1.5 2 2.5 3 4 5 6
Number of sets.....	per pack.	10



No 20515

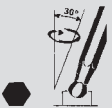


Luna. Set of **extra long** hexagon keys of chrome vanadium steel in sets of 9 keys. Sizes 2.5-10 mm with **screw holder**. With ball shaped, tapered hexagonal heads at the long key end - which permits turning even at a 30° angle. Chromium plated. Supplied in plastic holder.

Art. no.	20515	-0105
Luna.....	No	BCT-S9
Number of keys.....		9
Sizes.....	mm	1.5 2 2.5 3 4
Number of sets.....	per pack.	5 6 8 10
		5



No 20964



Luna. Sets of 10 long hexagon keys. Of chrome vanadium steel. With ball shaped hexagonal heads at the long key end - which permits turning even at a 30° angle. Supplied in plastic holder. Individual keys in millimetre sizes, see page 215.

Art. no.	20964	-0101	-0200
Measurement system ..		Metric	Inch
Number of keys.....		10	10
Sizes.....		1.5 2 2.5 3 4	1/16 5/64 3/32 1/8 5/32
Number of sets.....	per pack.	5 5.5 6 8 10	3/16 7/32 1/4 5/16 3/8
		5	5



No 20563

Luna. Keys of nickel-chromium molybdenum steel. With 7 keys fitted in chromium handle, and 8 long individual keys. Supplied in metal case.

Art. no.	20563	-0106
Luna.....	No	014-1
Keys in holder.....	mm	1.5 2 2.5 3
		4 5 6
Long keys.....	mm	3 4 5 6
Number of sets.....	per pack.	8 10 12 14
		10

Hex keys

In sets

Luna. Hexagon keys of chrome vanadium steel - retractable in the plastic covered steel core handle. Size markings on the side of the handle.

Metric sizes

Art. no.	20949	-0101	-0200	-0309
Number of keys		7	6	6
Sizes	mm	1.5 2.2.5 3	2.5 3 4	3 4 5
Number of sets	per pack.	4 5 6 10	5 6 8 10	6 8 10 10

AF sizes

Art. no.	20949	-0408
Number of keys		7
Sizes	inch	1/16 5/64 3/32 1/8
Number of sets	per pack.	5/32 3/16 7/32 10



No 20949/Metric



No 20949/AF

Luna. Hexagon keys of nickel-chromium steel, retractable in chromium plated handle. With hanging ring.

Metric sizes

Art. no.	20528	-0100	-0209	-0308
Luna	No	009-1	009-2	009-3
Number of keys		7	6	6
Sizes	mm	1.5 2.2.5	2.5 3 4	3 4 5
Number of sets	per pack.	3 4 5 6 10	5 6 8 10	6 8 10 10

AF sizes

Art. no.	20528	-0407	-0506	-0605
Luna	No	009-4	009-6	009-5
Number of keys		7	6	5
Sizes	AF	1/16 5/64 3/32 1/8	1/8 5/32 3/16 7/32	3/16 7/32 1/4
Number of sets	per pack.	5/32 3/16 7/32 10	1/4 5/16 10	5/16 3/8 10



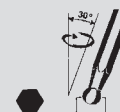
No 20528



No 20528/Ball

Luna. Set of 7 hexagon keys. Made of nickel-chromium steel, built-in the handle. With ball shaped hexagonal heads - which permits turning even at a 30° angle.

Art. no.	20528	-0704
Number of keys		7
Sizes	mm	2.5 3 4 5 6 8 10
Number of sets	per pack.	10



TX-keys



No 20894

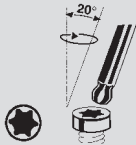


Luna. Of chrome vanadium steel. For **internal** heads according to the TX-system (set TXH-S5 also for screws with centre points). The shape of the head gives minimal torque transmission losses. Black. Supplied in plastic holder.

Art. no.	20894	-0106	-0205
Luna	No	TXL-5N	TXH-S5
Number of keys	5	5	5
Key-no.	TX	10 20 25 30 40	10 20 25 30 40
For max. head width ..	mm	2.74 3.86 4.43 5.52 6.65	2.74 3.86 4.43 5.52 6.65
For screw	M	3-3.5 4-5 4.5-5 6-7 7-8	3-3.5 4-5 4.5-5 6-7 7-8
Pack.....	set	10	10



No 20416



Luna. For **internal** heads according to the TX-system. Of chrome vanadium steel. One end with milled grooves, the other end ball-shaped which permits turning even at a 20° angle. The shape of the head gives minimal torque transmission losses.

Art. no.	20416	-0105
Luna	No	TXB-S8
Number of keys	ea	8
Key no.	TX	9 10 15 20
		25 27 30 40
For max. head width	mm	2.50 2.74 3.27 3.86
		4.43 4.99 5.52 6.65
For screw	M	3 3-3.5 3.5-4 4-5
		4.5-5 4.5-6 6-7 7-8
Pack.....	set	10



No 20950



Luna. For internal heads according to the TX-system. Of chrome vanadium steel. Retractable in the plastic covered steel core handles.

Art. no.	20950	-0107
Number of keys		8
Key-no.	TX-	9 10 15 20
		25 27 30 40
For max. head width	mm	2.5 2.74 3.27 3.86
		4.43 4.99 5.52 6.65
For screw	M	3 3-3.5 3.5-4 4-5
		4.5-5 4.5-6 6-7 7-8
Number of sets	per pack.	10



No 20415



Luna. For internal heads according to the TX-system. Of chrome vanadium steel. Black. Retractable in the handle, which is chromium plated and equipped with a hanging loop.

Art. no.	20415	-0106
No. of keys	ea.	8
Key no.	TX-	9 10 15 20
		25 27 30 40
For max. head width	mm	2.5 2.74 3.27 3.86
		4.43 4.99 5.52 6.65
For screw	M	3 3-3.5 3.5-4 4-5
		4.5-5 4.5-6 6-7 7-8
Pack.....	qty	10

Universal pliers

Standard

Luna. Powder coated, self-locking and with single non-pinch release lever. Long bent, serrated jaws for all round work.

Art. no.	21073	-0107	-0206	-0305
Luna	No	111-05-LU	111-07-LU	111-10-LU
Length	mm	135	190	235
Gap width	mm	0-30	0-42	0-63
Jaw depth	mm	22	33	40
Weight	g	180	370	600



No 21073

Luna. Omnimum grip multi-grips. Powder coated, self-locking and with single non-pinch release lever. The design of the jaws make it possible to hold all possible shapes such as round, square, flat, etc.

Art. no.	21093	-0103	-0202
Luna	No	131-07-LU	131-10-LU
Length	mm	200	235
Gap depth	mm	0-40	0-60
Jaw depth	mm	47	60
Weight	g	410	630



No 21093

Special jaws

Luna. ErgoGrip is a pair of ergonomically designed self-locking pliers for a multitude of applications. The design with jaws at a 70 degree angle means less load on the wrists and greater force on turning movements. The pliers are for single hand use, epoxy powder coated and with rubber covered support handles.

Art. no.	20156	-0109
Luna	No	727-08-LU
Length	mm	180
Size	mm	0-40
Jaw width	mm	10
Jaw depth	mm	65
Weight	g	380



No 20156

Luna. Powder coated, self-locking and with single non-pinch release lever. Flexible, serrated jaws for secure clamping of section materials.

Art. no.	20492	-0102	-0201
Luna	No	233-10-LU	233-12-LU
Length	mm	235	300
Gap width	mm	0-45	0-100
Jaw depth	mm	28	82
Weight	g	640	790



No 20492

Luna. Powder coated, self-locking and with single non-pinch release lever. Long narrow jaws for maximum access in confined passages. Curved section of the jaws to hold round objects.

Art. no.	21092	-0104	-0203
Luna	No	127-06-LU	127-10-LU
Length	mm	165	235
Gap width	mm	0-55	0-70
Jaw depth	mm	62	82
Weight	g	190	400



No 21092

Luna. For sheet metalwork, etc. Powder coated, self-closing and with single non-pinch release lever. Wide jaws that grip along the entire front edge for clamping and bending sheet metal.

Art. no.	20403	-0100
Luna	No	128-08-LU
Length	mm	200
Width of jaws	mm	80
Gap width	mm	0-45
Jaw depth	mm	48
Weight	g	520



No 20403



No 20497

Universal pliers

Sets

Luna. A set for a wide range of tasks. Contains one grip: 131-10, 111-10, 139-10, 131-07, 111-05 and a storage case.

Art. no	20497	-0107
Luna	No	GK-SET5-LU
Contains number of grips	ea.	5



No 20498

Luna. A set for a wide range of tasks that also includes grips for welding. Contains one grip: 131-10, 111-07, 111-10, 111-12, 112-10, 121-05, 127-06, 233-12, 125-09, 124-12, 912-07, 928-07, 1012-099 and wall holder EX-13-NE.

Art. no	20498	-0106
Luna	No	GK-SET5-LU
Contains number of grips	ea.	13



No 21078

Welding pliers

Luna. U-grip. Powder coated, self-locking and with single non-pinch release lever. Holds two sections in place when e.g. welding. The U-shape permits access to the entire joint.

Art. no	21078	-0102	-0201
Luna	No	125-09-LU	125-12-LU
Length	mm	200	300
Gap width	mm	∅ 0-60	∅ 0-90
Jaw depth	mm	67	87
Weight	g	690	960



No 21091

Luna. Grips for pipe work. Powder coated, self-locking and with a single non-pinch release lever. Secure grip on pipes when e.g. welding.

Art. no	21091	-0105
Luna	No	126-12-LU
Length	mm	300
Gap width	mm	∅ 90
Jaw depth	mm	93
Weight	g	960



No 21075

Luna. C-grip. Powder coated, self-locking and with single non-pinch release lever. Large and deep opening also permits work over thresholds and large distances.

Art. no	21075	-0105	-0204	-0303
Luna	No	124-06-LU	124-12-LU	124-18-LU
Length	mm	165	300	460
Gap width	mm	0-60	0-100	0-260
Jaw depth	mm	50	94	260
Weight	g	240	890	1300

Welding pliers

Luna. Made of aluminium for aluminium welding. C-shaped jaws for sections, etc. Self-locking and with single non-pinch release lever.

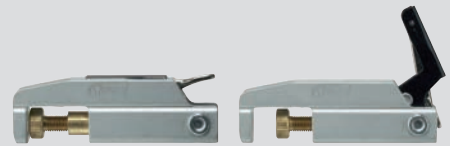
Art. no.....	21097	-0109	-0208
Luna.....	No	144-12-LU	144-14-LU
Length.....	mm	300	360
Gap width.....	mm	0-90	0-180
Jaw depth.....	mm	96	150
Weight.....	g	670	870



No 21097

Luna. The world's smallest locking grips. Body of aluminium, copper adjuster screw. Linear clamping force and with hole in the jaw to work with through materials.

Art. no.....	20495	-0109
Luna.....	No	Microgrip 2000
Length.....	mm	92
Gap width.....	mm	12
Weight.....	g	120



Closed

Open

Luna. Flexible, locking grips that clamp axially and in straight lines. Ideal for basic sheet-metal and chassis work.

Art. no.....	20494	-0100
Luna.....	No	912-07-LU
Length.....	mm	195
Gap width.....	mm	0-18
Weight.....	g	410



No 20494

Luna. C-grip. Powder coated, self-locking and with single non-pinch release lever. Large and deep opening also permits work over thresholds and large distances. Swivel clamping jaws make it possible to clamp sectioned materials.

Art. no.....	20491	-0103	-0202	-0301
Luna.....	No	224-06-LU	224-12-LU	224-14-LU
Length.....	mm	165	300	365
Gap width.....	mm	0-50	0-80	0-125
Jaw depth.....	mm	46	90	130
Weight.....	g	270	970	1200

Art. no.....	20491	-0400	-0509
Luna.....	No	224-18-LU	224-24-LU
Length.....	mm	470	630
Gap width.....	mm	0-240	0-400
Jaw depth.....	mm	230	410
Weight.....	g	1430	1740



No 20491

Luna. C-grip. Powder coated, self-locking and with single non-pinch release lever. Large and deep opening also permits work over thresholds and large distances. Swivel clamping jaws make it possible to clamp sectioned materials.

Art. no.....	20493	-0101	-0200
Luna.....	No	234/150-LU	234/230-LU
Length.....	mm	290	290
Gap width.....	mm	80-150	150-230
Jaw depth.....	mm	85	85
Weight.....	g	980	1020



No 20493



No 20499

Welding pliers

Set

Luna. A set containing only grips for linear clamping. Contains grips for 90 degree, spot welding, clamping above angles, etc. Contains the following grips: 912-07, 915-07, 918-07, 922-07, 925-07, 928-07 and a wall holder EX-AX-NE.

Art. no.	20499	-0105
Luna	No	AX-SET6-LU
Contains number of grips	ea.	6



No 20413

Pressure guard

Luna. Pressure guard made of plastic that protects the work piece from damage by the grips. Fit Luna grips with swivel pressure plates.

Art. no.	20413	-0108
Luna	No	224-LU
Pack.	qty	10*



No 21107

Pipe cutters

For tubular steel

Luna. For cutting thin-walled pipe (stainless steel pipe, copper pipe and PVC-pipe) up to a material thickness of 2.6 mm. Also ideal for cutting car exhaust pipes. Powder coated, self-locking and with single non-pinch release lever. The chain has 13 cutter wheels.

Pipe cutter	21107	-0107
Luna	No	182-10-LU
Length	mm	250
Capacity	mm	Ø 15-75
Weight	g	800
Spare chain	21107	-0206
Luna	No	CAD 182



No 20412

Luna. For cutting galvanised steel pipe, stainless pipe, copper, aluminium and PVC-pipe (up to a material thickness of 6 mm). Also ideal for cutting car exhaust pipes. Powder coated, self-locking and with single non-pinch release lever. The chain has 15 cutter wheels.

Pipe cutter	20412	-0109
Luna	No	186-12-LU
Length	mm	300
Capacity	mm	Ø 20-115
Weight	g	1250
Spare chain	20412	-0208
Luna	No	CAD 186