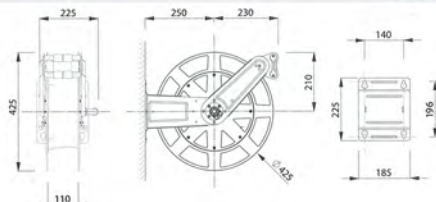


Reel mural for high water pressure



- Retractor fixed wall with a rubber hose to pass high-pressure water inside diameter 3/8 " (9.5 mm), max 200 bar and maximum temperature of 155 ° C. Ideal for connection to a water cleaning machines both cold and hot.
- Indicated for use in workshops, car washes and industries generally. Can be installed on the wall or floor.
- Reel port tube high strength polymer, support brackets fixed galvanized steel, stop device of the pipe to the desired length, hose stop buffer.
- Incoming attack on the swivel: 1/2 " male. Attack output: 3/8 " female. Tube length: 15 meters.
- With reduction 1/2 " F-3/8" male.



Code	Desc.
3450100700	1707

Cold high pressure washer high pressure 130 bar - 600 l/h



- Professional high pressure washer high pressure, functioning to cold water with or without detergents, with a hose reel, the reservoir for cleaning agents and rubber wheels for easy displacement.
- Suitable for quick and easy cleaning of vehicles, industrial floors, exterior walls, fences, industrial, motorcycles and scooters, equipment in general.
- With the kit on request and 'used to unclog clogged drain pipes.
- Useful for all business fields: mechanical, body shops, drivers, artisans typically, maintenance, etc.
- Three axial piston pump with ceramic rod / crank pressure adjustable output, automatic safety valve with pressure in the head, single phase electric motor with thermal protection, motor quiet, shock-proof plastic casing resistant and easy to clean.
- Total stop: high pressure cleaner shutdown system when not in use.
- Standard equipment: hose reel, rubber wheels of large diameter, high pressure hose of 10 meters, dispensing gun, lance with adjustable nozzle direct or fan, reservoir for application of detergents.

Code	Desc.
4430058490	RLW 767

Tecnical Features		Spare Parts		
		Article	Code	Description
Weight kg	36			
Dimensions Length x Depth x H (cm)	39 X 38 X 90	Pipe for water connection 4.5 m	4430054100	1096
Giri motore (rpm)	1450	High pressure hose 10 m	4430054105	1097
Power output (Kw)	2,6	Lance Handle	4430054110	1098
Pression max (bar)	150	Spare wheel	4430055765	1505
Portata d'acqua (l/h)	600	Spare lance	4430058500	1796
Minimum supply hose diameter (mm)	13			
High pressure hose threaded connection and accessories	M 22X1,5			
Lunghezza tubo alta pressione (m)	10			
Power supply cable length (m)	5			
Tensione di alimentazione (V/Hz)	220/50			

Jet lance rotating pressure washer RLW767 - AR4550



- Jet lance round that form a powerful jet and rotating at high speed, the reduced diameter of the rotation allows him to impress firmly as possible to the jet.
- Ideal for fast and precise cleaning of stubborn dirt resistant, and cleaning of machinery and equipment or agricultural.
- **WARNING:** Do not use on motor vehicle bodies.

Code	Desc.
4430054020	1088

Rotating brush with tank cleaner pressure washer RLW 767



- Rotary brush cleaner for Meccanocar RLW 757, complete with automatic tank for dispensing of the detergent.
- Ideal for intensive washing of cars, vans, campers, awnings, boats, wooden buildings, fixtures, etc.
- The softness of the brush allows its use on any surface, even the most 'delicate'. The rotating brushes, combined delivery of detergent, allow to remove the dirt more 'tenacious hold without preventing scratches and tarnishing and removing the need for hot water, especially on the means of transport very dirty.

Code	Desc.
4430054030	1089

Kit cleaning pipes for pressure washer RLW 767



- High-pressure piping with special head power, to release any type of pipe clogged by waste.
- Ideal for freeing domestic sewage, underground pipes, rain gutters, plumbing, etc .. The special head has a central jet that breaks through the shutter, and the side shoots that push forward into the pipe and clean it thoroughly the walls.
- It applies easily handle standard, which allows the drive. Available in lengths of 8 m to 16 m.

Code	Desc.	Length m
4430054040	1090	8
4430054050	1091	16

Hot high pressure washer 150 bar 380V-900 liters / h



- Professional high pressure washer high pressure, with a boiler for heating water, the reservoir for cleaning agents and rubber wheels for easy displacement.
- Suitable for quick and easy cleaning of vehicles, industrial floors, exterior walls, fences, industrial vehicles, motorcycles and scooters, equipment in general.
- Useful for all business fields: mechanical, body shops, truck drivers, bus companies, craftsmen in general, maintenance, car washes, etc.
- Pump with three ceramic pistons, rod / crank pressure adjustable output, automatic safety valve with pressure in the head, three-phase electric motor with thermal protection, system Machine total stopping distance, silent motor, housing material shock resistant and easy to clean.
- Vertical boiler with cooling spiral, bottom refractory. Precision thermostat for temperatures from 30 to 150 ° C (with inlet water at 60 ° C), safety pressure switch for lack of water, water filter and diesel fuel.
- Standard: rubber wheels of large diameter, high-pressure pipe 10 meters, dispensing gun, lance with fan jet, tank for the application of detergents.
- * ATTENTION: the spears are sold without nozzle, to be ordered separately.

Code	Desc.
4430054091	AR7850

Tecnical Features		Spare Parts		
		Article	Code	Description
Tensione di alimentazione (V/Hz)	380/50	High pressure hose 10 m	4430054121	1100/10A
Power supply cable length (m)	10	High pressure hose 20 m	4430054146	1105/20
Lunghezza tubo alta pressione (m)	10	Lance handle	4430054126	1101/A
High pressure hose threaded connection and accessories	M 22X1,5	Lance to handle *	4430054131	1102/A
Minimum supply hose diameter (mm)	13	Lance 2m to handle *	4430054150	1106
Portata d'acqua (l/h)	900	Fan nozzle 1/4 "for lance *	4430054136	1103/A
Pression max (bar)	150			
Fuel tank capacity (l)	15			
Detergent tank capacity (l)	4			
Temperatura acqua (°C)	30 - 150			
Power output (Kw)	4,0			
Giri motore (rpm)	1450			
Dimensions Length x Depth x H (cm)	98 X 59 X 92			
Weight kg	94			

Hose reel AP pressure washers AR 7850-8860



- Reel manual for the correct positioning of the high pressure hose on pressure washers hot Meccanocar AR7850-AR8860
- Kit complete with mounting hardware. It allows to keep the machinery in order in the best way, and keep the pipe AP protected from abrasion and crushing.

Code	Desc.
4430054140	1104

Jet lance rotating pressure washer AR7850



- Lance with round nozzle that forms a powerful jet and rotating at high speed, the restricted diameter of the rotation allows him to impress firmly as possible to the jet.
- Ideal for fast and precise cleaning of stubborn dirt resistant, and cleaning of machinery and equipment or agricultural.
- **WARNING:** Do not use on motor vehicle bodies.

Code	Desc.
4430054025	1088/A

Rotating brush for pressure washers AR 7850-8860



- Rotating brush for pressure washers hot Meccanocar AR-7850 AR 8860.
- Ideal for intensive washing of cars, vans, campers, awnings, boats, wooden buildings, fixtures, etc ..
- The softness of the brush allows its use on any surface, even the most delicate. The rotating brushes, combined delivery of detergent, allow to remove stubborn dirt without holding, preventing scratches and tarnishing especially on the means of transport very dirty.

Code	Desc.
4430054095	1095

Hot high pressure washer 200 bar 380V-1260 liters / h



- Professional high pressure washer high pressure, with a boiler for heating water, the reservoir for cleaning agents and rubber wheels for easy displacement. High pressure and water flow rate for easy descaling of dirt more 'intense and difficult.
- Suitable for intensive cleaning of vehicles, industrial floors, exterior walls, fences, industrial vehicles, construction equipment and quarrying, construction equipment, equipment in general.
- Useful for all business fields: mechanical, body shops, drivers, artisans typically, maintenance, car washes, farms, shipyards, dry docks, construction sites, etc.
- Pump with three ceramic pistons, rod / crank pressure adjustable output, automatic safety valve with pressure in the head, three-phase electric motor with thermal protection, system Machine total stopping distance, silent motor, housing material shock resistant and easy to clean.
- Vertical boiler with cooling spiral, bottom refractory. Precision thermostat for temperatures from 30 to 150 ° C (with inlet water at 60 ° C), safety pressure switch for lack of water, water filter and diesel fuel.
- Standard: rubber wheels of large diameter, high pressure hose of 10 meters, dispensing gun, lance with fan jet, tank for the application of detergents.
- CAUTION: the current consumption of very important of the machine requires a power supply of at least 7.4 kW. Using extension cords with electric cables must be made with the most 'short as possible and suitable section.
- * ATTENTION: the spears are sold without nozzle, to be ordered separately.

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Code	Desc.
4430054092	AR8860

Tecnical Features		Spare Parts		
		Article	Code	Description
Weight kg	135			
Dimensions Length x Depth x H (cm)	112 X 73 X 106	High pressure hose 10 m	4430054122	1100/10B
Giri motore (rpm)	1450	High pressure hose 20 m	4430054146	1105/20
Power output (Kw)	7,4	Lance Handle	4430054126	1101/A
Temperatura acqua (°C)	30 - 150	Lance to handle *	4430054131	1102/A
Detergent tank capacity (l)	8	Lance 2m to handle *	4430054150	1106
Fuel tank capacity (l)	15	Fan nozzle 1/4 "for lance *	4430054137	1103/B
Pression max (bar)	200			
Minimum supply hose diameter (mm)	13			
Portata d'acqua (l/h)	1260			
High pressure hose threaded connection and accessories	M 22X1,5			
Power supply cable length (m)	10			
Lunghezza tubo alta pressione (m)	10			
Tensione di alimentazione (V/Hz)	380/50			

Angular grinder 750W – 115 mm



- Compact angular grinder, handy and light, suitable for all types of jobs. Equipped with a 750W motor, possibility of mounting 115 mm discs with a standard 22.2 mm hole.
- Indicated for light/medium grinding jobs, cutting and sanding in all sectors: metalwork, metal processing, car body shops, etc..
- Powerful motor with a high resistance to overloads, torque-resistant protective guard and anti-restart protection that stops accidental restarts following an interruption to the power supply. Motor equipped with self-releasing brushes to protect the armature.
- Supplied as standard: supplementary handgrip, protective steel guard, nut and flange for fixing the discs and a spanner for fixing the discs. Supplied in a cardboard box.

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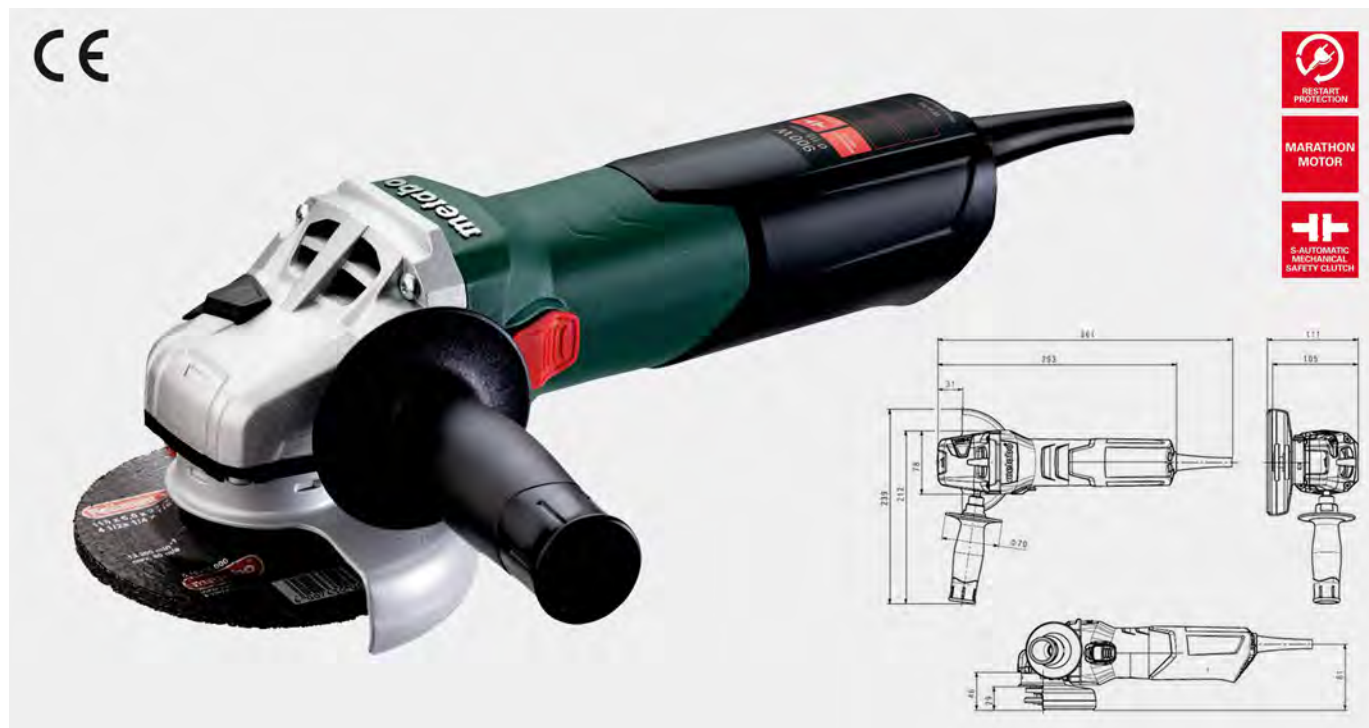
Code	Desc.
4170040010	W750-115

Spare Parts			
Article	Code	Desc.	
Pare brush pair	417RC16300	1240	
Disc blocking flange	417RC16310	1241	
Disc locking nut	417RC16320	1242	
Supplementary handgrip	417RC16330	1243	
Supplementary vibration-resistant handgrip	417RC16340	1244	
Protective cap	417RC16350	1245	

Technical Features	
Cable length	2,5 m
Weight without cable	1,8 Kg
Dimensions	351 x 234 x 99 mm
Grinder diameter	115 mm
Max. Power	750 W
Max. revolutions when idling No.	11.000/minutes
Shaft threading	M14
Max torque	1,7 Nm

Vibrations	
Sanding with disc	10 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Sanding utilising an abrasive sheet	5 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	88 dB(A)
Sound power level	99 dB(A)
Uncertainty of the measurement K	3 dB(A)

Angular grinder 900W – 115 mm



- Compact angular grinder, handy and light, suitable for all types of jobs. Equipped with the new Metabo Marathon motor (patent deposited) with up to 50% more torque and up to 20% more resistance to overloads that gives a greater removal performance and is more long lasting.
- Indicated for grinding jobs, cutting and sanding in all sectors: metalwork, metal processing, car body shops, etc..
- Even less tiring: compact angular grinders with the slimmest handgrip in its power class for perfect ergonomic.
- Powerful motor with a high resistance to overloads, torque-resistant protective guard and anti-restart protection that stops accidental restarts following an interruption to the power supply. Equipped with self-releasing brushes to protect the armature.
- Metabo S-automatic mechanical safety clutch: reduces recoil when the grindstone blocks that is the lowest level on the market. Maximum protection for the operator and less time taken to restart work.
- 90° pitch, revolving and fixed gearhead to permit the left-handed utilisation or for breaking off.
- Supplied as standard: Supplementary handgrip, steel protective guard positioned without using tools, nut and flange for fixing discs and key for blocking the discs. Supplied in a cardboard box.

Code	Desc.
4170040020	W9-115

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16360	1246
Disc blocking flange	417RC16310	1241
Disc locking nut	417RC16320	1242
Supplementary handgrip	417RC16330	1243
Supplementary vibration-resistant handgrip	417RC16340	1244
Protective cap	417RC16370	1247

Technical Features	
Cable length	2,5 m
Weight without cable	2,1 Kg
Grinder diameter	115 mm
Max. Power	900 W
Max. revolutions when idling No.	10.500/minute
Max torque	2,5 Nm
Dimensions	361 x 239 x 111 mm
Shaft threading	M 14

Vibrations	
Sanding with disc	4.9 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Sanding utilising an abrasive sheet	2.5 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	93 dB(A)
Sound power level	104 dB(A)
Uncertainty of the measurement K	3 dB(A)

Angular grinder 1100W – 125 mm



- Compact angular grinder, handy and light, suitable for all types of jobs. Equipped with a 1100 W motor, possibility of mounting 125 mm discs with a standard 22.2 mm hole.
- Indicated for grinding jobs, cutting and sanding in all sectors: metalwork, metal processing, car body shops, etc..
- Powerful motor with a high resistance to overloads, torque-resistant protective guard and anti-restart protection that stops accidental restarts following an interruption to the power supply. Motor equipped with self-releasing brushes to protect the armature.
- Supplied as standard: Supplementary handgrip, steel protective guard positioned without using tools, nut and flange for fixing discs and key for blocking the discs. Supplied in a cardboard box.

9

Code	Desc.
4170040030	W1100-125

Spare Parts			
Article	Code	Desc.	
Spare parts - pair of brushes	417RC16380	1248	
Disc blocking flange	417RC16310	1241	
Disc locking nut	417RC16320	1242	
Supplementary handgrip	417RC16330	1243	
Supplementary vibration-resistant handgrip	417RC16340	1244	
Protective cap	417RC16390	1249	

Technical Features	
Cable length	2,5 m
Weight without cable	1,8 Kg
Dimensions	351 x 234 x 99 mm
Shaft threading	M 14
Max. revolutions when idling No.	11.000/minute
Max torque	1,7 Nm
Grinder diameter	125 mm
Max. Power	1.100 W

Vibrations	
Sanding with disc	6 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Sanding utilising an abrasive sheet	4.2 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	91 dB(A)
Sound power level	102 dB(A)
Uncertainty of the measurement K	3 dB(A)

Angular grinder 1550W – 125 mm with speed adjustment



- Compact angular grinder, handy and light, suitable for all types of jobs. Equipped with the new Metabo Marathon motor with up to 50% more torque and up to 20% more resistance to overloads that gives a greater removal performance and is more long lasting.
- Indicated for demanding and finishing jobs with all types of abrasives, thanks to the speed adjustment that adapts to all types of required finish. Optimum for processing metals such as stainless steel, titanium, brass, bronze, etc.
- Powerful motor with a high resistance to overloads, torque-resistant protective guard and anti-restart protection that stops accidental restarts following an interruption to the power supply. Equipped with self-releasing brushes to protect the armature.
- Metabo S-automatic mechanical safety clutch: reduces recoil when the grindstone blocks that is the lowest level on the market. Maximum protection for the operator and less time taken to restart work.
- 90° pitch, revolving and fixed gearhead to permit the left-handed utilisation or for breaking off.
- Supplied as standard: Supplementary handgrip, steel protective guard positioned without using tools, nut for fixing discs "Quick" for tool-free assembly, flange for blocking the discs. Supplied in a plastic case.

Code	Desc.
4170040040	W15-125Q

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16400	1250
Disc blocking flange	417RC16310	1241
Disc locking nut	417RC16320	1242
Supplementary handgrip	417RC16330	1243
Supplementary vibration-resistant handgrip	417RC16340	1244
Protective cap	417RC16410	1251

Technical Features	
Cable length	4 m
Weight without cable	2,5 Kg
Dimensions	383 x 248 x 111 mm
Shaft threading	M 14
Max torque	3,5 Nm
Grinder diameter	125 mm
Max. Power	1550 W
Max. revolutions when idling No.	2.800-11.000/minute

Vibrations	
Sanding with disc	6 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Sanding utilising an abrasive sheet	3.6 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	93 dB(A)
Sound power level	104 dB(A)
Uncertainty of the measurement K	3 dB(A)

Angular grinder 1900W – 180 mm



- Compact, angular grinder with a powerful Metabo Marathon motor for intensive work of cutting and grinding with 180 mm diam. discs. The same cutting depth of a 230 mm grinder with only half the weight.
- Indicated for heavy grinding jobs, cutting and sanding in all sectors: metalwork, metal processing, construction sites, etc.
- Powerful motor with a high resistance to overloads, torque-resistant protective guard that can be positioned without using tools, and anti-restart protection that stops accidental restarts following an interruption to the power supply. Motor equipped with self-releasing brushes to protect the armature.
- Equipped with an electronic control for slow start-up and no recoil, constant speed of the discs even under load, mechanical safety clutch that blocks the disc in the case blocking, thereby avoiding recoil for the operator.
- It is supplied with a supplementary vibration-resistant handgrip and also the possibility of rotating the gear head in steps of 90° to adapt it to all types of work. "M-Quick" disc locking nut for fixing and disassembly without tools.
- Supplied as standard: supplementary vibration-resistant handgrip, protective steel guard, M-Quick nut and flange for fixing the discs. Supplied in a cardboard box.

9

Code	Desc.
4170040270	WE19-180QRT

Spare Parts			
Article	Code	Desc.	
Spare parts - pair of brushes	417RC17380	1342	
Disc blocking flange	417RC16310	1241	
Disc locking nut	417RC16320	1242	
Supplementary vibration-resistant handgrip	417RC16440	1254	
Protective cap	417RC17390	1343	

Technical Features	
Cable length	4 m
Weight without cable	2,7 Kg
Max torque	5 Nm
Dimensions	495 x 348 x 149
Shaft threading	M 14
Max. revolutions when idling No.	8.200/minute
Max. Power	1900 W
Grinder diameter	180 mm

Vibrations	
Sanding with disc	7.7 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Sanding utilising an abrasive sheet	2.8 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	94 dB(A)
Sound power level	105 dB(A)
Uncertainty of the measurement K	3 dB(A)

Angular grinder 2400W – 230 mm



- Angular grinder with a contained weight, equipped with a powerful, 2,400W slow start motor. Supplementary handgrip mountable in three positions.
- Indicated for heavy grinding jobs, cutting and sanding in all sectors: metalwork, metal processing, construction sites, etc.
- Powerful motor with a high resistance to overloads, torque-resistant protective guard and anti-restart protection that stops accidental restarts following an interruption to the power supply. Motor equipped with self-releasing brushes to protect the armature.
- Supplied as standard: supplementary handgrip, protective steel guard, nut and flange for fixing the discs and a spanner for fixing the discs. Supplied in a cardboard box.

Code	Desc.
4170040050	WX2400-230

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16420	1252
Disc blocking flange	417RC16310	1241
Disc locking nut	417RC16320	1242
Supplementary handgrip	417RC16430	1253
Supplementary vibration-resistant handgrip	417RC16440	1254
Protective cap	417RC16450	1255

Technical Features	
Cable length	4 m
Weight without cable	6,2 Kg
Shaft threading	M 14
Dimensions	495 x 348 x 149
Grinder diameter	230 mm
Max. revolutions when idling No.	6.600/minute
Max. Power	2400 W

Vibrations	
Sanding with disc	8.1 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Sanding utilising an abrasive sheet	2.5 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	94 dB(A)
Sound power level	105 dB(A)
Uncertainty of the measurement K	3 dB(A)

Electronic straight grinder 710W – 6 mm



- Compact, straight grinder of a reduced weight with 710W of high power. Equipped with electronic speed adjustment and speed maintained when under load. Prolonged shaft with a removable rubber finish for maximum ease of handling and processing precision.
- Ideal for all types of precision processing on metals with the utilisation of milling cutters with a 6 mm cylindrical shaft.
- Supplied as standard: shaft lock button for simple substitution of tools, die-cast aluminium bearing holder flange for a long working life of the grinder, Vario-Constamatic (VC) electronics to work materials at sufficient speed that remains constant even under load.
- Electronic safety stop of the motor when the tool is blocked so as to operate in complete safety, anti-restart protection: blocks the accidental restart after an interruption to the power supply, electronic protection of the motor against overloads for a longer working life.
- Equipped with the new Metabo Marathon motor with dust-resistant protection (patent deposited) for an optimum protection and long-wearing over a long period of time.
- Supplied as standard: pincer with a 6 mm nut, rubber protective cap and a service key. Supplied in a cardboard box.

9

Code	Desc.
4170040060	GE710P

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16460	1256
Pincer with a 6 mm nut	417RC16470	1257
Pincer with a an 8 mm nut	417RC16480	1258

Technical Features	
Cable length	4 m
Weight without cable	1,6 Kg
Apertura della pinza	6 mm
Collar diameter	43 mm
Max. Power	710 W
Max. revolutions when idling No.	10.000-30.500/minute

Vibrations	
Sanding of surfaces	5.6 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	80 dB(A)
Sound power level	91 dB(A)
Uncertainty of the measurement K	3 dB(A)

Levigatrice rotorbitale palmare 350 W – 2,5 mm



- Levigatrice rotorbitale palmare con platorello velcrato multiforo da 150 mm, compatta e molto ergonomica, con regolazione di velocità elettronica per adattarsi a tutti i tipi di abrasivo utilizzati.
- Orbita da 2,5 mm indicata per lavorazioni che richiedono la massima finitura con un buon grado di asportazione nei settori dell'autocarrozzeria, su superfici grezze e verniciate o su stucchi, nella falegnameria e in tutti i settori per la lavorazione di resine, plastiche, metalli, legni, ecc.
- Funzionamento sicuro e duraturo assicurato dal nuovissimo motore ultracompatto senza spazzole. Bassissima emissione di vibrazioni alle mani dell'utilizzatore.
- Impugnatura palmare con interruttore/regolatore di velocità a leva, preselezione elettronica della velocità massima, avviamento lento, freno motore del platorello per poter appoggiare velocemente la macchina, mantenimento elettronico della velocità anche sotto sforzo.
- Dotata di aspirazione integrata delle polveri per usarla con un aspirapolvere, cavo velocemente intercambiabile ad attacco rapido.
- Dotazione di serie: platorello multiforo di diametro 150 mm fissaggio velcro, chiave di servizio. Fornita in scatola di cartone.

Code	Desc.
4170040250	SXE150-2.5BL

Spare Parts		
Article	Code	Desc.
150 mm multi-drilled pad	417RC17400	1344
Spare part power supply cable	417RC17410	1345

Technical Features	
Cable length	4,3 m
Weight without cable	1 Kg
Orbit diameter	2,5 mm
Pad diameter	150 mm
Max. revolutions when idling No.	4.000 - 10.000/minute
Max. Power	350 W

Acoustic emissions	
Sound pressure level	71 dB(A)
Sound power level	82 dB(A)
Uncertainty of the measurement K	2 dB(A)

Hand-held orbital sander, 350W – 5.0 mm



- Hand-held sander with 150 mm, multi-drilled, Velcro pad with the same technical characteristics as our model, code 4170040250-SXE150-2.5BL, but with an orbital diameter of 5.0 mm to ensure a much faster dust removal with a lesser degree of finish.
- The 5.0 mm orbit permits much quicker work processing and dust removal in the bodyshop sector, on unfinished and painted surfaces or on stucco, in woodwork departments and in all sectors for the processing of resin, plastics, metals, woods, etc.

Code	Desc.
4170040240	SXE150-5.0BL

Spare Parts		
Article	Code	Desc.
150 mm multi-drilled pad	417RC17400	1344
Spare part power supply cable	417RC17410	1345

Technical Features	
Cable length	4,3 m
Weight without cable	1 Kg
Orbit diameter	5,0 mm
Max. revolutions when idling No.	4.000 – 10.000/minute
Pad diameter	150 mm
Max. Power	350 W

Acoustic emissions	
Sound pressure level	71 dB(A)
Sound power level	82 dB(A)
Uncertainty of the measurement K	2 dB(A)

310 W - 150 mm rotary orbital sander



- Compact and very ergonomic rotary orbital sander with 150 mm velcro pad with electronic speed adjustment to adapt to all types of abrasive materials utilised.
- Indicated for processing untreated and painted metals, wood and plastics. Work processing in carpentry shops, body shops, preparation for painting and the removal of old paints, etc.
- Softgrip slip-resistant handgrip even for hand processing, solid bearing housing in die-cast aluminium, work processing with less vibration, thanks to the well-balanced mechanism.
- Easy to empty fabric dust bag to work without vacuum extraction, or the possibility of a vacuum extractor thanks to the connection to a universal extractor.
- Supplied as standard: 150 mm velcro fixing, multi-drilled pad, service key, fabric dust bag. Supplied in a plastic case.

Code	Desc.
4170040070	SXE3150

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16490	1259
150 mm multi-drilled pad	417RC16500	1260
Fabric dust bag	417RC16510	1261

Technical Features	
Cable length	4 m
Orbit diameter	3 mm
Weight without cable	1,6 Kg
Pad diameter	150 mm
Max. revolutions when idling No.	4.000 - 12.000/minute
Max. Power	310 W

Vibrations	
Sanding of surfaces	5.5 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Polishing	8.2 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	80 dB(A)
Sound power level	91 dB(A)
Uncertainty of the measurement K	3 dB(A)

Orbital sander 92 x 184 mm – 210W



- Powerful and easy to handle, orbital sander with drilled plate with a velcro attachment or with 92 x 184 mm retaining clips. Equipped with electronic speed adjustment and speed maintained when under load.
 - Indicated for processing untreated and painted metals, wood and plastics. Work processing in carpentry shops, body shops, preparation for painting and the removal of old paints, etc.
 - Softgrip slip-resistant handgrip even for hand processing, work processing with less vibration, thanks to the well-balanced mechanism. Robust aluminium plate with a velcro surface and lateral clips for utilising with classical sand paper.
 - Easy to empty fabric dust bag to work without vacuum extraction, or the possibility of a vacuum extractor thanks to the connection to a universal extractor.
 - Supplied as standard: fabric dust bag. Supplied in a plastic case.
- P { margin-bottom: 0.21cm; }

9

Code	Desc.
4170040080	SRE3185

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16490	1259
Drilled plate 92 x 184 mm	417RC16520	1262
Fabric dust bag	417RC16510	1261

Technical Features	
Cable length	4 m
Weight without cable	1,5 Kg
Orbit diameter	2 mm
Plate dimensions	92 x 184 mm
Max. Power	210 W
Max. oscillations	8.800 – 22.300 /minute

Vibrations	
Sanding of surfaces	4 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	73 dB(A)
Sound power level	84 dB(A)
Uncertainty of the measurement K	3 dB(A)

175 mm electronic polisher – 1200W



- Small, but powerful rotary polisher equipped with electronic speed adjustment and preset speed maintained when under load. Useful for polishing and sanding all types of surfaces.
- Indicated for polishing vehicle paintwork, stone and marble, for sanding paints and all types of untreated surfaces in the carpentry and metalwork sector.
- Extremely compact machine body that can be easily handled, with ergonomic slip-resistant front handgrip. Supplementary lateral handgrip can be mounted.
- High torque mechanism with double gear reduction transmission for microfinishing and mirror polishing surfaces. Full wave Vario-Tacho-Constamatic (VTC) electronics with a rotating knob to work at speeds that remain constant even under load and adequate for the materials being processed.
- Electronic protection against overloads, slow start to avoid recoil, anti-restart protection if the power supply fails. Motor equipped with self-releasing brushes to protect the armature.
- Supplied as standard: hand protection, supplementary lateral handgrip. Supplied without pad.

Code	Desc.
4170040090	PE12-175

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16530	1263
Supplementary handgrip	417RC16330	1243
147 mm diameter pad	3420102160	71

Technical Features	
Cable length	4 m
Weight without cable	2,4 Kg
Shaft threading	M 14
Max. revolutions when idling No.	700-2.200/minute
Max torque	14 Nm
Max. pad diameter	175 mm
Max. Power	1.200 W

Vibrations	
Polishing	5 m/s ²
Uncertainty of the measurement K	2.5 m/s ²
Acoustic emissions	
Sound pressure level	85 dB(A)
Sound power level	96 dB(A)
Uncertainty of the measurement K	3 dB(A)

Reversible rotating drill 650W – 1.5/13 mm



- Compact, high performance reversible rotating drill with electronic speed adjustment that can drill up to 13 mm diameter holes in steel.
- Indicated for all types of jobs in all sectors. Any type of bit can be used with a cylindrical attachment and the adjustable speed permits the drill to be used for any type of work processing. The reversibility allows the drill to be used for small screwing/unscrewing jobs.
- Slip-resistant Softgrip handgrip, rack and pinion mandrel with jaws that open from 1.5 mm to 13 mm, speed adjustment wheel on the ON button and its locking button.
- Removing the mandrel, the shaft displays a ¼" hexagonal shank for the direct mounting of screw bits.
- Supplied as standard: 1.5/13 mm rack and pinion mandrel with a mandrel key. Supplied in a cardboard box.

9

Code	Desc.
4170040100	BE650

Spare Parts			
Article	Code	Desc.	
Spare parts - pair of brushes	417RC16550	1265	
1.5/13 mm rack and pinion mandrel	417RC00130	4-1,5/13	
Rack and pinion mandrel key	421RC00650	221378	
1.5/13 mm plastic self-tightening mandrel	417RC00090	2-1,5/13	
1.5/13 mm metal self-tightening mandrel	417RC00110	3-1,5/13	

Technical Features	
Max. Power	650 W
Ø max. hole in steel (mm)	13
Ø max hole in wood (mm)	30
Cable length	2,55 m
Weight without cable	1,8 Kg
Shaft threading	1/2" x 20 UNF
Spindle opening	1,5/13 mm
Collar diameter	43 mm
Max. revolution No.	0-2.800/minute

Vibrations	
Metal drilling	4.8 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	85 dB(A)
Sound power level	96 dB(A)
Uncertainty of the measurement K	3 dB(A)

Dual-speed reversible rotating drill 850W – 1.5/13 mm



- Compact, high performance reversible rotating drill with electronic adjustment of speed and dual mechanical speed, that can drill up to 13 mm diameter holes in steel.
- Indicated for all types of jobs in all sectors. Any type of bit can be used with a cylindrical attachment and the adjustable speed permits the drill to be used for any type of work processing. The reversibility allows the drill to be used for small screwing/unscrewing jobs.
- Slip-resistant Softgrip handgrip, rack and pinion mandrel with jaws that open from 1.5 mm to 13 mm, speed adjustment wheel on the ON button and its locking button, switch for 1st speed and high torque or 2nd speed and low torque.
- Mechanical safety clutch for the highest safety at work, powerful motor with high resistance to overload.
- Removing the mandrel, the shaft displays a ¼" hexagonal shank for the direct mounting of screw bits.
- Supplied as standard: 1.5/13 mm rack and pinion mandrel, supplementary handgrip. Supplied in a cardboard box.

Code	Desc.
4170040110	BE850-2

Spare Parts			
Article	Code	Desc.	
Spare parts - pair of brushes	417RC16560	1266	
1.5/13 mm rack and pinion mandrel	417RC00130	4-1,5/13	
Mandrel key	421RC00650	221378	
1.5/13 mm plastic self-tightening mandrel	417RC00090	2-1,5/13	
1.5/13 mm metal self-tightening mandrel	417RC00110	3-1,5/13	

Technical Features	
Cable length	4 m
Weight without cable	2,8 Kg
Shaft threading	1/2" x 20 UNF
Spindle opening	1,5/13 mm
Collar diameter	43 mm
Mechanical speed No.	2
Max. revolution No.	0-1.100 – 0-3.400/minute
Max. Power	850 W
Maximum torque	36/14 Nm
Ø max hole in wood (mm)	40/25
Ø max. hole in steel (mm)	13/8

Vibrations	
Metal drilling	4 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	100 dB(A)
Sound power level	111 dB(A)
Uncertainty of the measurement K	3 dB(A)

Reversible rotating core drill 1,100W



- Extra powerful reversible rotating core drill equipped with mechanical dual-speed adjustment designed to drill large diameter holes and for utilisation as a mixer for dense liquid materials.
- Indicated for drilling jobs even on hard and very thick steel and wood, dry crown coring of masonry and for mixing paints and mortar.
- Robust, die-cast aluminium gearhead for the maximum heat dissipation and long life, Vario electronics to work at an adequate speed on materials, mechanical dual speed for low speed and high torque or high speed and low torque.
- Mechanical safety clutch for the highest safety at work, powerful motor with high resistance to overload.
- Supplied as standard: 3/16 mm rack and pinion mandrel with supplementary handgrip with a depth rod. Supplied in a cardboard box.

9

Code	Desc.
4170040120	BDE1100

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16570	1267
3/16 mm rack and pinion mandrel	417RC00140	4-3/16
Mandrel key	417RC00170	5-3/16

Technical Features	
Cable length	3 m
Weight without cable	4,3 Kg
Shaft threading	5/8" x 16 UNF
Spindle opening	3/16 mm
Collar diameter	43 mm
Maximum torque	55/22 Nm
Max. Power	1.100 W
Ø max. hole in steel (mm)	16/10
Ø max hole in wood (mm)	40/25
Mechanical speed No.	2
Max. revolutions when idling No.	0-640/0-1.200/minute

Vibrations	
Metal drilling	4 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	85 dB(A)
Sound power level	96 dB(A)
Uncertainty of the measurement K	3 dB(A)

Reversible hammer drill 1,010W



- Powerful reversible hammer drill equipped with mechanical dual-speed adjustment and electronic speed adjustment to maintain the speed even under load and reversibility.
- Indicated for drilling jobs even on hard and very thick steel and wood, for hammer drilling on building materials and for screwing/unscrewing operations. Removing the mandrel, the shaft displays a 1/4" hexagonal shank for the direct mounting of screw bits.
- Vario-Tacho-Constamatic (VTC) full wave electronics to adjust the speed constantly for the materials being drilled. Robust, die-cast aluminium gearhead for the maximum heat dissipation and long life. Rotating brush holder for maximum power even when rotating anticlockwise; e.g., to easily unscrew even blocked screws.
- Metabo Marathon motor dust-resistant protection for long life. Metabo S-automatic safety clutch: mechanical release of the transmission when the tool being utilised becomes blocked and to work in complete safety.
- Supplied as standard: 1.5/13 mm self-tightening mandrel with supplementary vibration-resistant handgrip with a depth rod. Supplied in a plastic case.

Code	Desc.
4170040130	SBEV1000-2

Spare Parts			
Article	Code	Desc.	
Spare parts - pair of brushes	417RC16580	1268	
1.5/13 mm self-tightening mandrel	417RC00110	3-1,5/13	
Supplementary handgrip	417RC16590	1269	

Technical Features	
Weight without cable	2,7 Kg
Shaft threading	1/2" x 20 UNF
Collar diameter	43 mm
Spindle opening	1,5/13 mm
Mechanical speed No.	2
Max. No. of impacts	53.200/minute
Max. revolutions when idling No.	0-1.000/0-2800/minute
Ø max hole in wood (mm)	40/25
Ø max hole in masonry (mm)	22
Max. Ø hole in concrete (mm)	20
Ø max. hole in steel (mm)	16/10
Max. Power	1.010 W
Maximum torque	40/14 Nm

Vibrations	
Metal drilling	4.2 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Hammer drilling in reinforced concrete	17 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	103 dB(A)
Sound power level	114 dB(A)
Uncertainty of the measurement K	3 dB(A)

1/2" impact screwdriver – 600 Nm



- High-power, light, and compact screwdriver, which can be used for heavy duty, even continuous, of assembly of screws and bolts in each processing sector.
- Indicated for mechanical workshops, metalwork, woodwork, servicemen, assembly lines, etc.
- Current power supply 220 V - 50 Hz Supplied with a 5 m long power cable, speed adjustment by means of the ON button, reversibility, 1/2" tool cabinet attachment.
- Very strong structure with motor body in shock-resistant material and aluminium impact gearhead for the highest lightness and the optimal heat dissipation. Central handgrip for an optimal balancing during use.
- Supplied in a cardboard box.

Code	Desc.
4170040230	SSW650

Technical Features	
Weight without cable	3 Kg
Power supply cable length (m)	5 m
Square connection	1/2"
Max. No. of impacts	2800/minute
Maximum torque	600 Nm
Max. revolution No.	0 – 2100/minute
Power feed	220 V – 50 Hz
Power output	650 W

Vibrazioni	
Avvitatura a percussione	12 m/s ²
Insicurezza di misurazione K	1,5 m/s ²
Emissioni acustiche	
Livello di pressione acustica	98 dB(A)
Livello di potenza sonora	109 dB(A)
Incertezza della misurazione K	3 dB(A)

SDS-Plus wall plug drill 800W – 2.3 Joules



- Compact and handy SDS-Plus wall plug drill with rapid bit and scalpel attachment suitable for drilling in reinforced concrete, masonry and light chiselling of plaster and finishes.
- Indicated for all drilling jobs of building materials, fixing of objects, drilling for anchorage fixings, removal of plaster and tiles and small chasing jobs, etc.
- Reversible, equipped with electronic speed adjustment. Suitable for hammer drilling, normal drilling and chiselling without rotation.
- Vario electronics to operate at the correct speed for various materials. Metabo S-automatic safety clutch: mechanical release of the transmission when the tool being utilised becomes blocked and to work in complete safety. Switch can be locked in position to work comfortably if the job being carried out is a long one.
- Supplied as standard: Supplementary handgrip with a depth rod. Supplied in a plastic case.

Code	Desc.
4170040140	KHE2444

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16600	1270
Supplementary handgrip	417RC16610	1271

Technical Features	
Cable length	4 m
Weight without cable	2,4 Kg
Collar diameter	43 mm
Rapid tool attachment	SDS-Plus
Ø max hole in wood (mm)	30
Max. revolution No.	0-1.230/minute
Maximum torque	15 Nm
Max. energy per single strike	2,3 Joule
Max. No. of impacts	5.400/minute
Max. hole Ø in reinforced concrete with full bits	24 mm
Ø max. hole in steel (mm)	13
Max. hole Ø in reinforced concrete with crown bits	68 mm
Max. Power	800 W

Vibrations	
Hammer drilling in reinforced concrete	13.7 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Chiselling	15 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	87 dB(A)
Sound power level	98 dB(A)
Uncertainty of the measurement K	3 dB(A)

SDS-Plus wall plug drill 850W – 3 Joule



- Wall plug drill with double mandrel: SDS-Plus rapid attachment and 13 mm max. self-tightening mandrel, suitable for drilling in reinforced concrete, masonry and light chiselling of plaster and finishes.
- Indicated for all drilling jobs of building materials, fixing of objects, drilling for anchorage fixings, removal of plaster and tiles and small chasing jobs, etc.
- Reversible, equipped with electronic speed adjustment. Suitable for hammer drilling, normal drilling and chiselling without rotation.
- Metabo Quick: rapid substitution between mandrel and SDS-Plus hammer bit and self-tightening mandrel for drilling in wood and in metal. Vario electronics to operate at the correct speed for various materials. Metabo S-automatic safety clutch: mechanical release of the transmission when the tool being utilised becomes blocked and to work in complete safety. Switch can be locked in position to work comfortably if the job being carried out is a long one.
- High performance hammer action precisely mounted in an aluminium alloy housing: long lasting and robust
- Supplied as standard: Quick release double mandrel and supplementary vibration-resistant handgrip with depth rod. Supplied in a plastic case.

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Code	Desc.
4170040150	KHE2660Q

Spare Parts			
Article	Code	Desc.	
Spare parts - pair of brushes	417RC16620	1272	
SDS-Plus mandrel spare part	417RC16630	1273	
1.5/13 self-tightening mandrel spare part	417RC16640	1274	
Supplementary handgrip	417RC16650	1275	

Technical Features	
Cable length	4 m
Weight without cable	3,1 Kg
Self-tightening mandrel opening	1,5/13 mm
Collar diameter	50 mm
Rapid tool attachment	SDS-Plus
Ø max hole in wood (mm)	32
Max. revolution No.	0-1.100/minute
Maximum torque	18 Nm
Max. hole Ø in reinforced concrete with full bits	26 mm
Max. hole Ø in reinforced concrete with crown bits	68 mm
Ø max. hole in steel (mm)	13
Max. energy per single strike	3 Joule
Max. No. of impacts	4.300/minute
Max. Power	850 W

Vibrations	
Hammer drilling in reinforced concrete	12.9 m/s ²
Uncertainty of the measurement K	2.4 m/s ²
Chiselling	8.5 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	89 dB(A)
Sound power level	99 dB(A)
Uncertainty of the measurement K	3 dB(A)

SDS-Plus combined drill 800W – 3.1 Joules



- Combination drill with double mandrel: SDS-Plus rapid attachment and 13 mm max. self-tightening mandrel, suitable for drilling in reinforced concrete, masonry and light chiselling of plaster and finishes.
- Indicated for all drilling jobs of building materials, fixing of objects, drilling for anchorage fixings, removal of plaster and tiles and small chasing jobs, etc.
- Reversible, equipped with electronic speed adjustment. Suitable for hammer drilling, normal drilling and chiselling without rotation.
- Metabo VibraTech (MVT): integrated damping system and supplementary handle to reduce vibrations in order to protect the user's health Ergonomic housing shape for chiselling tasks without supplementary handle Vario electronics to operate at the correct speed for various materials. Metabo Marathon motor dust-resistant protection for long life.
- High performance hammer action precisely mounted in an aluminium alloy housing: long lasting and robust Metabo S-automatic safety clutch: mechanical release of the transmission when the tool being utilised becomes blocked and to work in complete safety. Cable-protecting ball joint for optimal freedom of motion when working
- Supplied as standard: Quick release double mandrel and supplementary vibration-resistant handgrip with depth rod. Supplied in a plastic case.

Code	Desc.
4170040160	KHE3251

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16660	1276
SDS-Plus mandrel spare part	417RC16635	1273
1.5/13 self-tightening mandrel spare part	417RC16640	1274
Supplementary handgrip	417RC16670	1277

Technical Features	
Cable length	4 m
Weight without cable	3,6 Kg
Self-tightening mandrel opening	1,5/13 mm
Collar diameter	50 mm
Rapid tool attachment	SDS-Plus
Maximum torque	20 Nm
Max. revolution No.	0-1.150/minute
Ø max hole in wood (mm)	35
Ø max. hole in steel (mm)	13
Max. Power	800 W
Max. energy per single strike	3,1 Joule
Max. No. of impacts	4.470/minute
Max. hole Ø in reinforced concrete with crown bits	82 mm
Max. hole Ø in reinforced concrete with full bits	32 mm

Vibrations	
Hammer drilling in reinforced concrete	12.9 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Chiselling	10.9 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	91 dB(A)
Sound power level	102 dB(A)
Uncertainty of the measurement K	3 dB(A)

SDS-Max combined drill 1100W – 8.5 Joules


- Combination drill with rapid attachment of SDS-Max tools, suitable for drilling in reinforced concrete, masonry, light chiselling of plaster and finishes, and light demolitions.
- Indicated for all drilling jobs of building materials, fixing of objects, drilling for anchorage fixings, removal of plaster and tiles, chasing jobs, demolitions, etc.
- Ergonomic housing shape for chiselling tasks also without supplementary handle. Optimal heat dissipation and weight reduction via the die-cast magnesium gearhead. Metabo S-automatic safety clutch: mechanical release of the transmission when the tool being utilised becomes blocked and to work in complete safety.
- Supplied as standard: supplementary rubberised handgrip, depth rod, tool lubricant. Supplied in plastic case.

Code	Desc.
4170040340	KH 5-40

Tecnical Features	
Cable length	4 m
Weight without cable	7,1 Kg
Collar diameter	61 mm
Rapid tool attachment	SDS-Max
Max. hole Ø in reinforced concrete with crown bits	105 mm
Max. revolution No.	620/minutes
Max. hole Ø in reinforced concrete with full bits	40 mm
Max. Power	110 W
Max. No. of impacts	2800/minutes
Max. energy per single strike	8,5 joule

Vibrazioni	
Foratura a martello su calcestruzzo	16,5 m/s ²
Insicurezza della misurazione K	1,5 m/s ²
Scalpellatura	13,3 m/s ²
Insicurezza della misurazione K	1,5 m/s ²
Emissioni acustiche	
Livello di pressione acustica	96 dB (A)
Livello di potenza sonora	106 dB(A)
Insicurezza della misurazione K	3 dB(A)

SDS-Max combined drill 1300W – 8.5 Joules



- Combination drill with rapid attachment of SDS-Max tools, suitable for drilling in reinforced concrete, masonry, light chiselling of plaster and finishes, and light demolitions.
- Indicated for all drilling jobs of building materials, fixing of objects, drilling for anchorage fixings, removal of plaster and tiles, chasing jobs, demolitions, etc.
- Metabo VibraTech (MVT): integrated damping system and supplementary handle to reduce vibrations in order to protect the user's health Ergonomic housing shape for chiselling tasks without supplementary handle Vario-Tacho-Constamatic (VTC) electronics to operate at the correct speed for various materials.
- Selector for the optional 30% reduction of strikes to work with softer materials. Electronic soft start to start drilling with precision.
- Optimal heat dissipation and weight reduction via the die-cast magnesium gearhead. Metabo S-automatic safety clutch: mechanical release of the transmission when the tool being utilised becomes blocked and to work in complete safety. Service indicator: e.g., immediately before the substitution of the brushes; there is also a luminous warning light that advises that the power supply is on. Switch can be locked in position to work comfortably if the job being carried out is a long one.
- Supplied as standard: supplementary vibration-resistant handgrip, depth rod, tool lubricant, cleaning cloth. Supplied in a plastic case.

Code	Desc.
4170040170	KHE56

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16680	1278
Supplementary handgrip	417RC16690	1279

Technical Features	
Cable length	6 m
Weight without cable	6,7 Kg
Collar diameter	66 mm
Rapid tool attachment	SDS-Max
Maximum torque	90 Nm
Max. No. of impacts	2.840/minute
Max. hole Ø in reinforced concrete with full bits	45 mm
Max. revolution No.	0-300/minute
Max. Power	1.300 W
Max. energy per single strike	8,5 Joule

Vibrations	
Hammer drilling in reinforced concrete	11.5 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Chiselling	9.7 m/s ²
Uncertainty of the measurement	2.4 m/s ²
Acoustic emissions	
Sound pressure level	96 dB(A)
Sound power level	107 dB(A)
Uncertainty of the measurement K	3 dB(A)

SDS-Max combined drill 1500W – 11.9 Joules



- Combination drill with rapid attachment of SDS-Max tools, suitable for drilling in reinforced concrete, masonry, light chiselling of plaster and finishes, and medium demolitions.
- Indicated for all drilling jobs of building materials, fixing of objects, drilling for anchorage fixings, removal of plaster and tiles, chasing jobs, demolitions, etc.
- Metabo VibraTech (MVT): integrated damping system and supplementary handle to reduce vibrations in order to protect the user's health Ergonomic housing shape. Vario-Tacho-Constamatic (VTC) electronics to operate at the correct speed for various materials.
- Selector for the optional 30% reduction of strikes to work with softer materials. Electronic soft start to start drilling with precision.
- Optimal heat dissipation and weight reduction via the die-cast magnesium gearhead. Metabo S-automatic safety clutch: mechanical release of the transmission when the tool being utilised becomes blocked and to work in complete safety. Service indicator: e.g., immediately before the substitution of the brushes; there is also a luminous warning light that advises that the power supply is on. Switch can be locked in position to work comfortably if the job being carried out is a long one.
- Supplied as standard: supplementary vibration-resistant handgrip, depth rod, tool lubricant, cleaning cloth. Supplied in a plastic case.

9

Code	Desc.
4170040000	KHE76

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16700	1280
Supplementary handgrip	417RC16710	1281

Technical Features	
Cable length	6 m
Weight without cable	8,4 Kg
Collar diameter	66 mm
Rapid tool attachment	SDS-Max
Maximum torque	100 Nm
Max. revolution No.	0-300/minute
Max. Power	1.500 W
Max. hole Ø in reinforced concrete with full bits	50 mm
Max. No. of impacts	2.735/minute
Max. energy per single strike	11,9 Joule

Vibrations	
Hammer drilling in reinforced concrete	9.7 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Chiselling	9.7 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	96 dB(A)
Sound power level	107 dB(A)
Uncertainty of the measurement K	3 dB(A)

Multiuse electronic tool MT400Q



- Multiuse electronic tool for sawing, sanding, scraping and removing paint and protective materials, thanks to the variety of accessories that can be mounted.
- Indicated for all types of work sectors: metal, wood, resin, fibre, ceramic finishes, plasterboard, plastering, etc.
- A vast range of accessories is available that are compatible with electro-tools of other makes that have the OIOS attachment, Starlock, etc. Rapid change of the tools without the utilisation of equipment, dual LEDs for anterior illumination of the work zone, slip-resistant handgrip, possibility of dust removal via connection to a vacuum cleaner.
- Oscillation angle of 3.2° for fast action, electronic oscillation speed setting to adapt to different materials, maintenance of oscillation speed under load by electronic control.
- Supplied as standard: 93 mm triangular, drilled, Velcro plate, 32 mm blade for cutting wood, adaptors for vacuum cleaners and multiple adaptors for accessories. Supplied in a cardboard box.

Code	Desc.
4170040260	MT400Q

Technical Features	
Weight without cable	1,4 Kg
Max. oscillation number	11000 - 18500/min
Velcro drilled plate	93 mm
Oscillation angle	3,2°
Max. Power	400 W

Vibrations	
Sanding of surfaces	5 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Scraping	3.7 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Immersed blade cutting	6.1 m/s ²
Cutting with segment blade	4.6 m/s ²
Uncertainty of the measurement K	1.5 m/s ²
Acoustic emissions	
Sound pressure level	83 dB(A)
Sound power level	94 dB(A)
Uncertainty of the measurement K	3 dB(A)

Triangular, drilled, Velcro plate for the multiuse electric tool MT400Q

- Spare part triangular plate for utilisation with triangular, abrasive Velcro sheets with holes for the removal of the dust. Measurement from corner to corner: 93 mm. Starlock rapid attachment.



Code	Desc.
417RC17200	1324

Set of accessories for restorations for the multiuse electric tool MT400Q

- Set for internal restorations, for work on floors and assembling, such as the reshaping of laminate/parquet, cutting to measure of door frames on floors, plunge cuts in finished panels, wood, cavity cutting in pieces of furniture
- Set composed of: 1 x 32 mm HCS immersion blade (wood), 1 x 85 mm segment blade BiM (wood + metal), 1 x 52 mm rigid scraper HCS, 1 x 32 mm immersion blade BiM (metal)



Code	Desc.
417RC17210	1325

Set of accessories for tilers for the multiuse electric tool MT400Q

- Set for tilers, various restoration works and modifications, such as the removal of tile mortar or tile glue, milling of grout lines on wall and floor tiles, milling of small refinishings on soft wall tiles.
- Set composed of: 1 x 85 mm segment blade HM (tiles), 1 x 78 mm triangular sanding plate HM (tiles), 1 x 52 mm rigid scraper HCS, 1 x 32 mm immersion blade BiM (metal).



Code	Desc.
417RC17220	1326

Triangular, Velcro, drilled Corundum sheets for the multiuse electric tool MT400Q



- Quality abrasive sheets with half-opened dissipation and high machining yield for a homogeneous sanded result.
- For veneering, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light metals.
- For sanding veneered doors of wardrobes and side parts, for sanding laminate furniture with hot-glued edges, for decorative sanding of stainless steel sheets, for refinishing and removals of burrs from sheets cut to measure.

Code	Desc.	Grain
417RC17230	1327	P 40
417RC17240	1328	P 80
417RC17250	1329	P 100
417RC17260	1330	P 120
417RC17270	1331	P 180
417RC17280	1332	P 240
417RC17290	1333	P 320

Top, triangular, drilled, Velcro sheets for the multiuse electric tool MT400Q



- Quality abrasive sheets with half-opened dissipation and high machining yield
- For working on details of paint, lacquers of all types and stucco.
- For chamfering and cleaning up compensate, veneered wood, solid wood, painted surfaces and for chamfering the edges of veneered furniture.

Code	Desc.	Grain
417RC17300	1334	P 40
417RC17310	1335	P 60
417RC17320	1336	P 80
417RC17330	1337	P 100
417RC17340	1338	P 120
417RC17350	1339	P 180
417RC17360	1340	P 240
417RC17370	1341	P 320

Blades for multipurpose tools with Starlock attachment

- Vast assortment of blades compatible with the majority of Multitool tools on sale, with Starlock attachment, recommended for working all types of material. A range of lengths, widths and tooth sizes means you always have the right tool for every need.
- **CAUTION:** Always make sure that the machine has a Starlock coupling as other types (Starlock Plus – Starlock Max) are not compatible with these tools.

Plunge cutting blade for wood (32 x 45 mm)



- HCS blade for clean cuts on soft wood, including plunge cuts. Convex teeth for cleaner, easier cuts.
- Graded scale engraved by laser on the body of the blade to check the depth of cut while machining.

Code	Desc.
417RC17430	1347

Technical Features	
Larghezza	32 mm
Dentatura	1,3 mm/20 TPI
Idoneità materiale	Soft wood
Tipo di attacco	Starlock
Materiale lama	HCS
Lunghezza	45 mm

Plunge cutting blade for hard wood (32 x 45 mm)



- HCS blade for clean cuts on hard wood and panels with laminate base, including plunge cuts. Convex teeth for cleaner, easier cuts.
- Graded scale engraved by laser on the body of the blade to check the depth of cut while machining.

Code	Desc.
417RC17440	1348

Technical Features	
Dentatura	1,8 mm/14 TPI
Materiale lama	HCS
Lunghezza	45 mm
Larghezza	32 mm
Idoneità materiale	Hard wood laminates
Tipo di attacco	Starlock

Plunge cutting blade for wood/metal (20 x 30 mm)



- Bimetallic blade for clean cuts on soft wood, hard wood, wood with nails, panels faced with plastics, including plunge cuts. Bimetallic teeth for excellent durability and cutting quality.
- Graded scale engraved by laser on the body of the blade to check the depth of cut while machining.

Code	Desc.
417RC17450	1349

Tecnical Features	
Materiale lama	BiM
Lunghezza	30 mm
Dentatura	1,3 mm/20 TPI
Larghezza	20 mm
Idoneità materiale	Soft wood Hard wood Wood with nails Faced panels Plastics
Tipo di attacco	Starlock

Plunge cutting blade for wood/metal 32 x 45 mm



- Bimetallic blade for clean cuts on soft wood, hard wood, wood with nails, panels faced with plastics, including plunge cuts. Bimetallic teeth for excellent durability and cutting quality.
- Graded scale engraved by laser on the body of the blade to check the depth of cut while machining.

Code	Desc.
417RC17460	1350

Tecnical Features	
Materiale lama	BiM
Lunghezza	45 mm
Dentatura	1,3 mm/20 TPI
Larghezza	32 mm
Idoneità materiale	Soft wood Hard wood Wood with nails Faced panels Plastics
Tipo di attacco	Starlock

Plunge cutting blade for wood/metal 65 x 35 mm

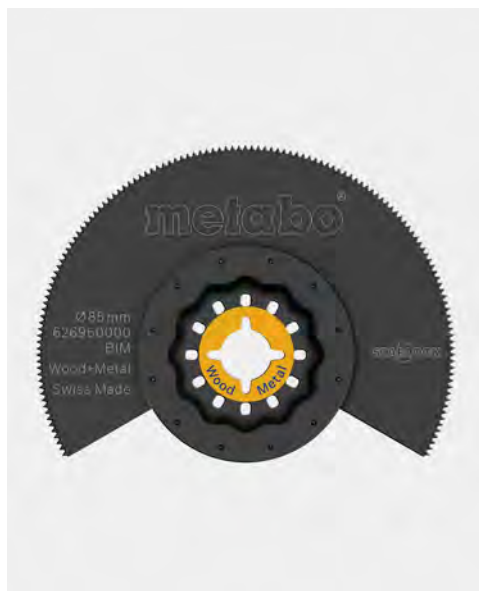


- Bimetallic blade for clean cuts on soft wood, hard wood, wood with nails, panels faced with plastics, including plunge cuts. Bimetallic teeth for excellent durability and cutting quality.
- Graded scale engraved by laser on the body of the blade to check the depth of cut while machining.

Code	Desc.
417RC17470	1351

Tecnical Features	
Idoneità materiale	Soft wood Hard wood Wood with nails Faced panels Plastics
Dentatura	1,3 mm/20 TPI
Lunghezza	35 mm
Larghezza	65 mm
Materiale lama	BiM
Tipo di attacco	Starlock

Segmented blade for wood/metal Ø 85 mm



- Bimetallic blade for clean cuts on soft wood, hard wood, wood with nails, panels faced with plastics, including plunge cuts. Bimetallic teeth for excellent durability and cutting quality.

Code	Desc.
417RC17480	1352

Tecnical Features	
Idoneità materiale	Soft wood Hard wood Wood with nails Faced panels Plastics
Dentatura	1,3 mm/20 TPI
Materiale lama	BiM
Blade diameter mm	85 mm
Tipo di attacco	Starlock

Plunge cutting blade for metal 32 x 45 mm



- Bi-metallic blade for clean cuts on light alloy profiles such as copper or aluminium, including plunge cutting. Bi-metallic teeth for excellent durability and cutting quality.
- Graded scale engraved by laser on the body of the blade to check the depth of cut while machining.

Code	Desc.
417RC17490	1353

Tecnical Features	
Dentatura	1,3 mm/20 TPI
Lunghezza	45 mm
Larghezza	32 mm
Materiale lama	BiM
Tipo di attacco	Starlock
Idoneità materiale	Copper profiles Aluminium profiles

Plunge cutting blade for steel 32 x 35 mm



- Hartmetal blade that is ideal for clean cuts on all types of metal, iron, steel and stainless steel, including plunge cuts. Hard metal teeth for excellent durability and cutting quality.
- Graded scale engraved by laser on the body of the blade to check the depth of cut while machining.

Code	Desc.
417RC17500	1354

Tecnical Features	
Dentatura	1,3 mm/20 TPI
Larghezza	32 mm
Idoneità materiale	Metal Steel Stainless steel
Tipo di attacco	Starlock
Lunghezza	35 mm
Materiale lama	HM

HCS scraper (52 mm)



- HCS blade width 52 mm, to remove paint, coverings, tongue and groove, fitted carpet, etc. Sharp, durable blade.

Code	Desc.
417RC17510	1355

Tecnical Features	
Lunghezza	25 mm
Larghezza	52 mm
Idoneità materiale	Paints Coatings Carpets
Materiale lama	HCS
Tipo di attacco	Starlock

Segmented blade in HM for tiles and putty Ø 85 mm



- Blade with perimeter covered with Hartmetal granules (hard metal), suitable for clean cuts on tiles, building material, plaster, putty, grout widths, including plunge cuts.
- The covering on the cutting section guarantees a high degree of material removal and durable working life.

Code	Desc.
417RC17520	1356

Tecnical Features	
Dentatura	Riff 30
Idoneità materiale	Tiles Plaster Putty Building materials
Materiale lama	HM
Blade diameter mm	85 mm
Tipo di attacco	Starlock

Triangular sanding plate in HM for building materials and putty 78 mm



- Triangular plate with 78 mm sides covered with Hartmetal granules (hard metal), suitable for sanding building material, plaster, putty, grout widths, and plasterboard.
- The covering on the plate guarantees a high degree of material removal and durable working life.

Code	Desc.
417RC17530	1357

Tecnical Features	
Materiale lama	HM
Idoneità materiale	Plaster Putty Plasterboard Building materials
Dentatura	Riff 30
Lato	78 mm
Tipo di attacco	Starlock

Alternative electronic jigsaw 710W



- Alternative small jigsaw with a slim and compact body for the maximum handleability and ease of use. Equipped with electronic speed adjustment, pendulum movement of the blade, swarf blowing function and the possibility of mounting an extractor vacuum system.
- Indicated for all types of straight or shaped cuts on wood, compensate, metal, plastic, fibre, etc.
- Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support Metabo Quick system for tool-free saw blade change and with automatic ejection Selectable chip blowing function ensures free view of cutting line Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for work with materials requiring customised stroke rates that remain almost constant under load
- Supplied as standard: anti-splinter plate, transparent anti-swarf protection, blade for wood, service key, inlet for vacuum extraction. Supplied in a plastic case.

9

Code	Desc.
4170040180	STE100Q

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16720	1282
Anti-splinter plate	417RC16730	1283

Technical Features	
Cable length	4 m
Weight without cable	2 Kg
Blade stroke (mm)	22
Number of strokes	1.000 - 3.100/minute
Max. Power	710 W
Blade pendulum movement levels	4
Max. cutting tilting	45° sx + dx
Maximum depth of the cut in steel mm	10
Max. cutting depth in non-ferrous metals (mm)	25
Maximum depth of the cut in wood (mm)	100

Vibrations	
Sawdust	13 m/s ²
Shavings	13.7 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	86 dB(A)
Sound power level	97 dB(A)
Uncertainty of the measurement K	3 dB(A)

1100 W reciprocating saw



- Powerful 1,100W reciprocating saw with a tapered and ergonomic body equipped with a soft handgrip for a comfortable, easy and not tiring utilisation, ideal for cutting in all processing sectors.
- Indicated for all sectors: metalwork, cutting wood, metal, wood with nails, bodywork transformation, demolition, etc.
- Robust gearhead in die-cast aluminium and finished for an optimum grip. Metabo Quick system for tool-free saw blade change. 180° rotating blade for comfortable, overhead utilisation. Depth rod adjustable without using tools, for an optimal utilisation of the blade and various applications, such as plunge.
- Vario electronics (V) to operate at the correct number of strokes for various materials. Accelerator switch with locking function for continuous use. Gearing protected from dust and water spray.
- Supplied as standard: blade for wood and metal. Supplied in a plastic case.

9

Code	Desc.
4170040190	SSE1100

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16740	1284

Technical Features	
Cable length	4 m
Weight without cable	3,9 Kg
Blade stroke (mm)	28
Max. Power	1100
Number of strokes	0-2600

Vibrations	
Sawdust	14 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	89 dB(A)
Sound power level	100 dB(A)
Uncertainty of the measurement K	3 dB(A)

Portable circular saw 1,400 W – 190 mm


- Circular saw with 190 mm diam. Blade, maximum 66 mm cutting depth for clean and precise cutting. on most materials Powerful 1,400W motor and compact dimensions.
- Indicated for processing wood and metals: modifications, restorations, trimming, etc.
- Metabo S-automatic safety clutch: mechanical release of the transmission when the blade being utilised becomes blocked and to work in complete safety. Clearly visible cutting indicator for accurate line and curve sawing. Adjustable 0° rear position for maximum cutting precision. Lubrication system for longevity of the gearing.
- Possibility of vacuum extraction thanks to the universal extractor connection. Removal of loose shavings by the rotating extractor attachment. Self-releasing brushes to protect the motor.
- Supplied as standard: blade for cutting wood, guide for stop and parallel cuts, hexagonal service key. Supplied in a cardboard box.

9

Code	Desc.
4170040200	KS66

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16750	1285
Blade with 56 teeth for cutting laminates, plastics, aluminium, copper and brass at a reduced thickness	417RC16760	1286
Blade with 48 teeth for cutting soft and hard wood	417RC16770	1287
Blade with 16 teeth for cutting solid wood	417RC16780	1288

Technical Features	
Cable length	4 m
Weight without cable	5,5 Kg
Maximum torque	9 Nm
Max. revolution No.	4.200/minute
Side tilting	Da 0° a 45°
Hole blade Ø	190 x 30 mm
Max. Power	1400 W
Max. cutting depth at 45° mm.	47 mm
Max. cutting depth at 90° mm.	66 mm

Vibrations	
Chipboard sawing	2.5 m/s ²
Uncertainty of the measurement	1.5 m/s ²
Acoustic emissions	
Sound pressure level	95 dB(A)
Sound power level	106 dB(A)
Uncertainty of the measurement K	3 dB(A)

1200 W two-speed mixer



- Mixer equipped with a powerful 1,200W motor, mechanical two speeds and electronic speed adjustment, suitable for simple and easy mixing jobs of very dense and viscous materials.
- Indicated for building sector: restorations, painting, etc., or wherever it is necessary to quickly and simply mix any type of paint, mortar, glue or resin.
- Rounded edges and angles of the body for an efficient protection against injury, to replace the mixer safely and to place against the wall without slipping. The lateral exit of the cable reduces the risk of breakage. High torque thanks to the two speed transmission for viscous materials.
- Robust, die-cast aluminium gearhead for the maximum heat dissipation and long life. Accelerator switch rubber protection against dust and mud. Hermetic motor cover that protects against dirt, mud and sprays of water. Electronic soft start to avoid spraying. Vario-Tacho-Constamatic (VTC) full wave electronics to adjust the speed constantly for the materials being drilled. Speed selection knob
- Supplied as standard: 140 mm diam. paddle with mixing starting from the bottom upwards. Supplied in a cardboard box.

Code	Desc.
4170040210	RWEV1200-2

Spare Parts		
Article	Code	Desc.
Spare parts - pair of brushes	417RC16790	1289
140 mm diam. paddle with mixing starting from the bottom upwards of viscous materials.	417RC16800	1290

Technical Features	
Weight without cable	4,3 Kg
Cable length	4 m
Collar diameter	43 mm
Tool connection	M 14 female
Mechanical speed No.	2
Diametro massimo delle fruste	140 mm
Recommended maximum quantity of mix	50 L
Max. Power	1200 W
Max. revolution No.	0-520/0-720/minute

Acoustic emissions	
Sound pressure level	85 dB(A)
Sound power level	96 dB(A)
Uncertainty of the measurement K	3 dB(A)

Band saw portable inverter 220V - 1.010 W



- Machine small portable dry cuts, designed for use on construction sites and in workshops.
- Ideal for working electricians, blacksmiths, tinsmiths, plumbers, carpenters, etc.
- Powerful 1000 W, single phase 230V-50Hz power supply with electronic speed control for adjusting the cutting of various materials, including stainless steel in small thicknesses.
- Cutting angle adjustable from 0 to 45 °, lock arc for easy transport, with most grip of precision steel, adjustable stop, power switch with system Antireset.

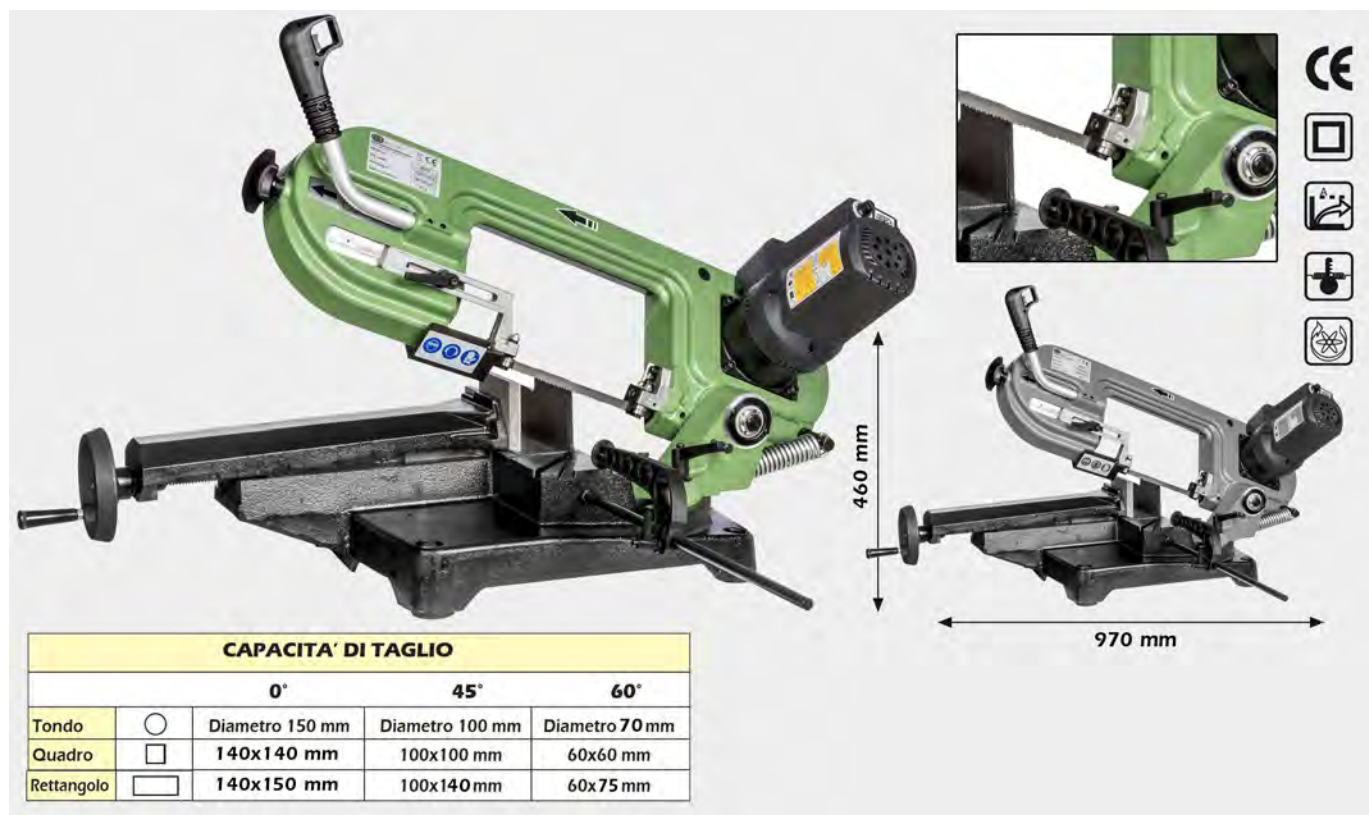
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Code	Desc.
4170007600	TM100V

Technical Features	
Weight kg	21,5
Velocità di taglio m/min	30/80
Single-phase power supply	220V - 50 Hz
Blade dimensions mm	1.330x13x0,6
Potenza assorbita (W)	1.010
Power output HP	1,35

Spare Parts		
Article	Code	Description
Blade 1330x13x0.6 step 6/10	4950000005	1330x13x0.6-6/10
Blade 1330x13x0.6 step 8/12	4950000007	1330x13x0.6-8/12

Band saw portable inverter 220V - 2.000 W



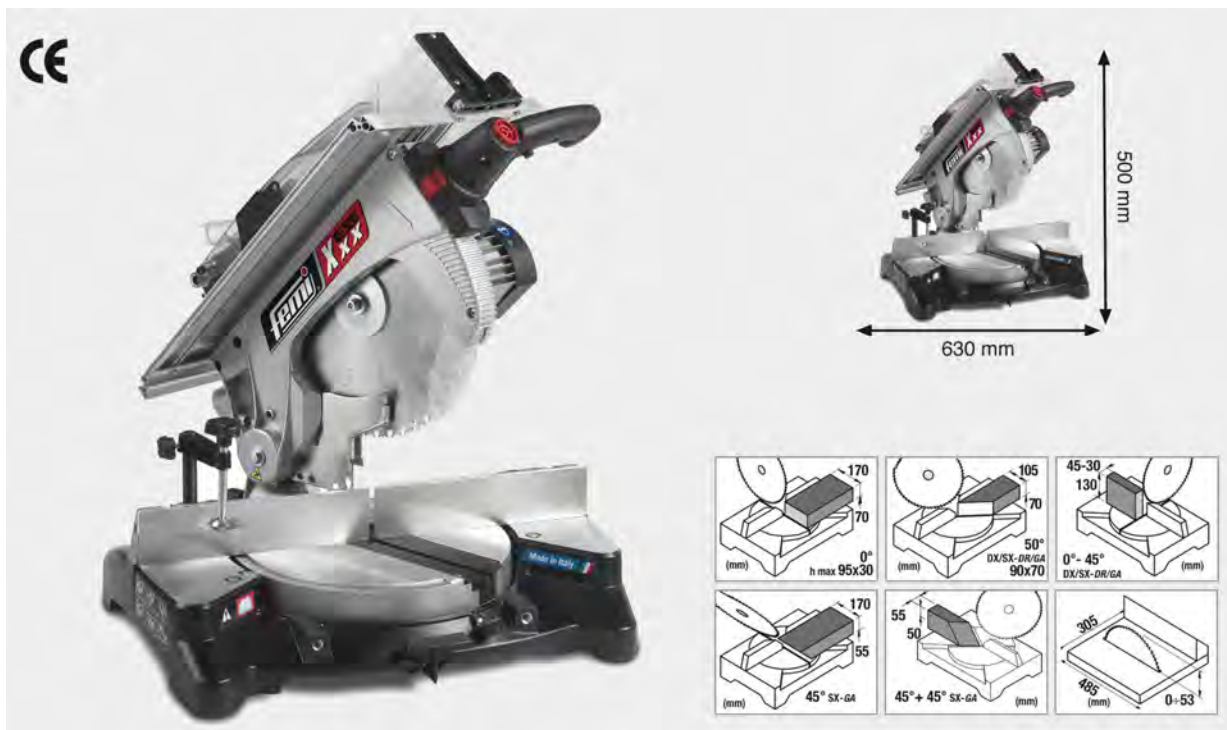
- Portable machine of average size for dry cutting, designed for use on construction sites and in workshops.
- Ideal for every type of machining, for cutting ferrous materials and plastics. Field of use vast possible thanks to the inclination of 60 °.
- Powerful 2,000 W, 230V-50Hz power supply with electronic speed control for adjusting the cutting of various materials, including stainless steel in small thicknesses.
- Cutting angle adjustable from 0 to 60 °, the locking device of the arc for easy transport, bitten accuracy with overs steel, adjustable stop, ignition switch with system Antireset.

Code	Desc.
4170007700	TM175

Technical Features	
Weight kg	64
Blade dimensions mm	1.735x13x 0,9
Potenza assorbita (W)	2.000
Velocità di taglio m/min	30/80
Single-phase power supply	220V - 50 Hz
Power output HP	2,65

Spare Parts		
Article	Code	Description
Blade 1735x13x0.9 step 6/10	4950000010	1735x13x0.6-6/10
Blade 1735x13x0.9 step 8/12	4950000015	1735x13x0.6-8/12

Compound saw combined



- **Motore monofase 230 Volt**

- Troncatrice combinata dalle grandi capacita' e prestazioni di taglio.
- Settori di utilizzo: carpenterie, fabbri, serramenti, falegnameria, montatori, manutentori, officine di trasformazione.
- Struttura in alluminio pressofuso, con movimenti su cuscinetti della tavola rotante, della testa e dello snodo.
- Controllo elettronico della funzione antiripristino di sicurezza.
- Impugnatura ergonomica frontale con comandi evidenziati per la massima sicurezza d'uso.
- Bocchetta di aspirazione di diametro 40mm per essere collegata ad appositi aspiratori.
- Angolo di taglio regolabile da 0° a 50° destra e sinistra, con dispositivo di bloccaggio semiautomatico a 0° - 15° - 22,5° - 30° - 45°.
- Taglio inclinato da 0° a 45° a sinistra. Taglio combinato 45° + 45° a sinistra.
- Motore a induzione silenzioso e potente da 1500 watt.
- La macchina e' predisposta per il montaggio di morsetti verticali e frontali per bloccare in modo stabile il pezzo da tagliare. Tali articoli sono ordinabili separatamente.
- Utilizzabile anche con dischi da taglio di diametro 300 mm, mediante regolazione del pomello fine corsa.
- Dotazione di serie: lama per legno in widia da 305mm, set di chiavi per la regolazione.

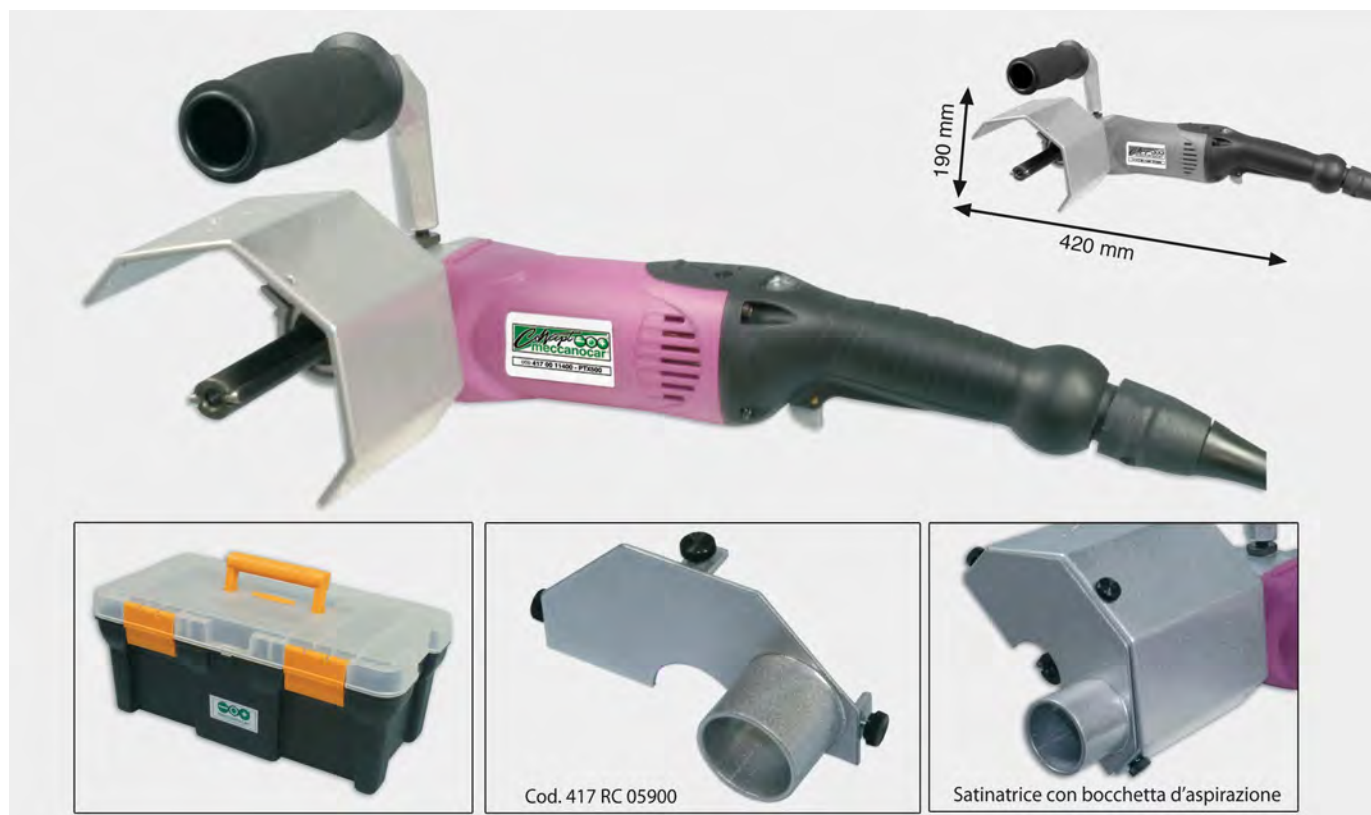
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Code	Desc.
4170015950	XXXEVO

Spare Parts				
Article	Code	Description	Photo	
DISC FOR CUTTING ALUMINIUM BLADE Ø 305 Ø HOLE 30	417RC12150	664	-	
DISC FOR WOOD CUTTING BLADE Ø 300 Ø HOLE 30	417RC12155	669	-	
DISC FOR CUTTING ALUMINIUM BLADE Ø 300 Ø HOLE 30	417RC12160	674	-	

Tecnical Features	
Weight kg	23,5
Spessore max taglio superiore mm	50
Diametro lama x foro centrale mm	305 x 30
Taglio max 0° mm	170 x H70
Power output	1500 W
Max. revolutions when idling No.	2850 rpm
Tensione	230 V

1520W electric polisher roller



- Tool robust and easy to handle and powerful 1520W motor.
- Applications: steel structures.
- Ideal for abrasion, sanding, polishing, calendering and polishing of tubes and flat surfaces: metal, stainless steel, aluminum, hard plastic materials, wood.
- Powerful motor with adjustable speed 'to adapt the operation to any type of abrasive roller, felt, cotton and the like.
- Roll holder shaft diameter 19 mm. with double key drive for the proper locking of the rollers.
- Protective cover wrap and adjustable, with possibility 'of applying cater for dust extraction 417RC05900 our code.
- Ergonomic anti-vibration side handle and rear handle rubber grip.
- Service cover for quick access to the couple brushes 417RC06200 our code.
- Bundled in plastic case for transport.

Code	Desc.
4170011400	PTX500

Tecnical Features	
V/Hz power supply	220 5
Potenza assorbita (W)	1520
Weight kg	3,1
Diametro massimo rulli mm	100
Shaft diameter mm	19

Spare Parts		
Article	Code	Description
Side closure suction nozzle	417RC05900	185
Clamping screw rollers	417RC06000	186
Electric cable parts	417RC06100	187
Replacement brushes	417RC06200	188/A
Roller grinding and polishing	Vedi 34200	-
Polishes	Vedi 41100	-

Combined single-phase bench grinders

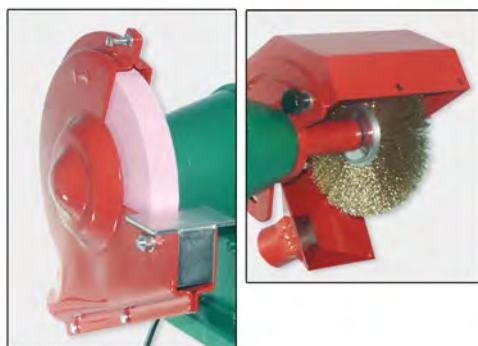


- Grinding machines Bench professional with aluminum body, steel guards thick, interlock Antireset.
- 50 Hz single-phase power 220 volts-, available with disc diameter 150 mm with central hole of 16 mm., And a diameter of 200 mm disc. with a central hole of 20 mm.
- Protective cap of the abrasive disk of thickness 3 mm., With protection slides orientable, protective cover of the brush of thickness 3 mm., With a predisposition for the dust suction.
- Suitable for all types of work in the workshops which, sharpening tools, burrs, polishing, peeling, etc.
- Standard equipment: protective covers, accessories for mounting disks.
- Warning: The machine is supplied without discs and brushes. To use it is recommended to provide the appropriate accessories.

Code	Desc.	Disc diameter mm
4170007900	CE9	150x20x16
4170008000	CE10	200x25x20

Technical Features	
Dimensions cm.	51x24x31 65x29x36
Brush diameter mm	Hole 16 150 200 Hole 20
Weight kg	12,2 19,9
Grinder diameter	150x20x16 200x25x20
Velocità di rotazione giri/min	2.800 2.800
Power output HP	0,5 1,0
Potenza assorbita (W)	375 750
Power supply	220/50 220/50
Modello	CE9 CE10

Spare Parts	
Article	Code
Vitrified abrasive wheels	44300*****
Brushes	44300*****/49400*****



Columns for bench grinders

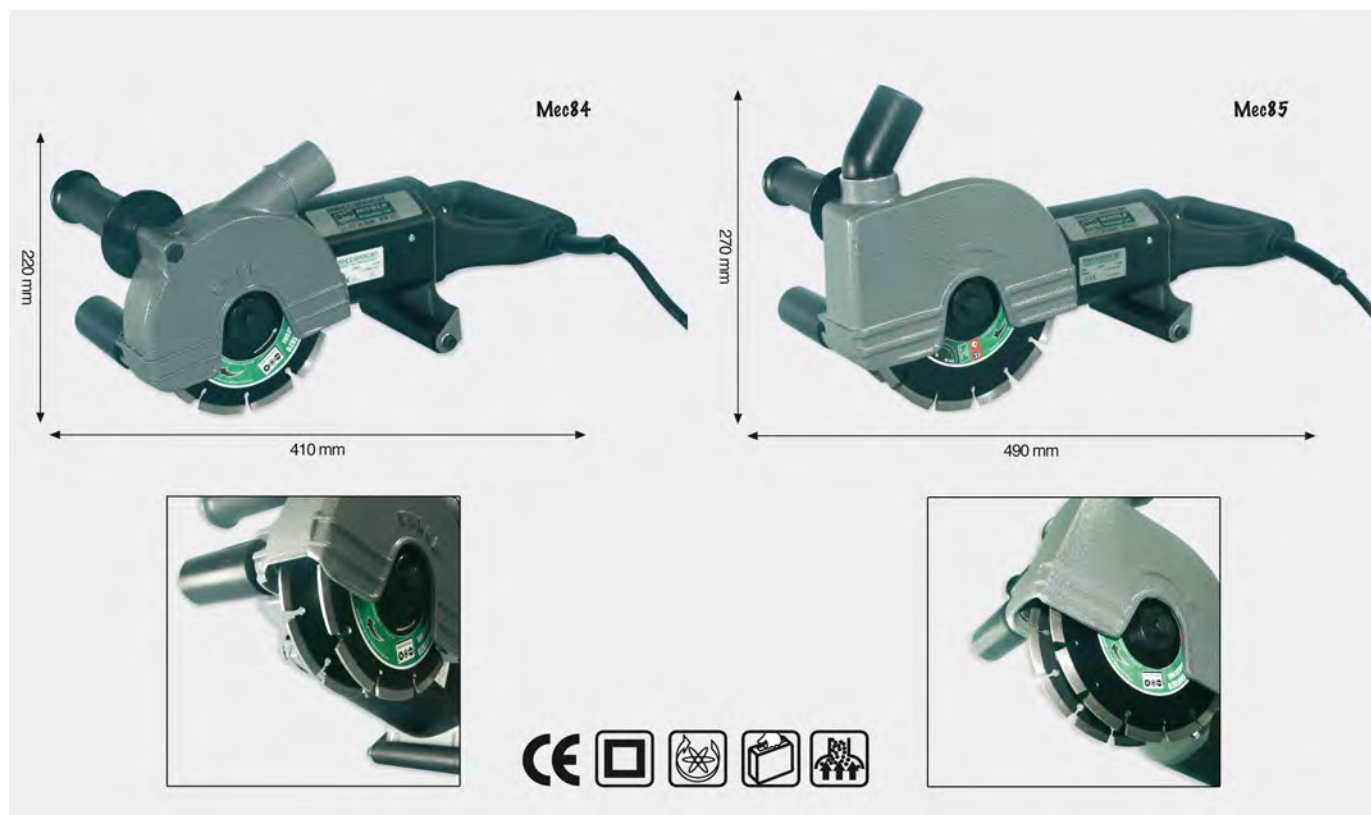


- Steel columns painted to fire, to secure the support of our bench grinders.
- Equipped with tray pieces, or for water cooling.
- Holes on the crankcase for eventual fixing, perforated base for locking the machine.
- Attention: to provide the right fit column for each type of machine.

DIMENSIONI E PESI		
	CVE1	CVE2
Altezza mm	700	700
Dimensioni piano mm	380x380	380x380
Dimensioni base mm	285x345	335x385
Peso Kg	26,0	33,0

Code	Desc.	For article
4170008100	CVE1	CE9
4170008150	CVE2	CE10

Groover to diamond disks



- Milling machines double diamond disc for the making of grooves on all types of masonry material, even the most 'hard and abrasive.
- Rugged construction. Die-cast aluminum powder coated with filler for vacuum integrated, hardened steel gears for long life, electronic pointer on the handle and overload protection against overload and overheating.
- Compact design, easy to handle and low weight, optimal synchrony between motor, gear and speed for performing traces in one step, starting slow controlled electronically.
- Electronic detachment of operation in case of overload or incorrect working angle. Immediate restart.
- The model MEC85 and 'able to achieve markings with width up to 43 mm. Ideal for professionals sanitary fixture.
- Standard equipment: double diamond wheel, keys for replacement discs, metal carrying case.

9

Code	Desc.	Model
4170008400	MEC84	Groover DISC 150 MM.
4170008500	MEC85	Groover DISC 180 MM.

Tecnical Features	
Modello	MEC84 MEC85
Weight kg	5.6 6.0
Elettronica di controllo	green / red green / red
Elettronica	Yes Yes
Discs diameter mm	150 185
Central disc hole diameter mm	22.2 22.2
Profondità di taglio mm	7-45 15-60
Larghezza di taglio mm	7-35 9-43
Max. speed rpm	7.800 4.100
Potenza assorbita (W)	1.800 1.800

Spare Parts		
Article	Code	Description
COUPLE BRUSHES	417RC02480	143A
DISCS FOR MEC84	417RC02250	135/150
DISCS FOR MEC 85	417RC02260	135/180

Thermo 1.600W dual temperature



- Conveyor unit heaters with temperature switching on two stages. Practical and easy to use tool for the most diverse applications such as brazing, forming, drying, keying, paint removal, bonding and detachment points pasted, disinfections, thawing, preheat, etc..
- Switching of the air temperature on two-stage fixed via the ignition switch.
- Ideal for use by painters, installers, carpenters, mechanics, body shops, etc.

Code	Desc.
4170016160	HL 1620S

Technical Features	
Dimensions	250x200x75 mm
Supply voltage	230 V 50 Hz
Power output	1.600 W
Temperature	Grade 1:300°C - Grade 2 :500°C
Weight	670 g.
Portata d'aria	Grade 1: 240 l/min - Grade 2: 450 l/min.

Thermo Electronic 2.300W 650 ° C



- Conveyor of warm air next-generation high performance.
- Continuous adjustment of the temperature rheostat via easily adjustable with one hand, filter incoming air, double turbine, heating system ceramic, temperature control via electronic probe.
- Continuous adjustment of the temperature and the indication through LCD, allows fine adjustment to better adapt to any type of work performed.
- Adjusting the air flow out of four preset positions.
- Ideal for use by painters, electricians, fitters, carpenters, mechanics, body shops, etc.
- Supplied in a metal carrying case.
- Available from a wide range of spouts To accommodate the tool to the type of machining to be carried out.

Code	Desc.
4170016170	HG 2320 E

Technical Features	
Dimensions	260x200x90 mm
Weight	960 g
Portata d'aria	Grade 1: 150 l/min. - Grade 2: 150-500 l/min.
Supply voltage	230 V 50HZ
Power output	2.300 W
Temperature	Grade 1: 250°C-350 l/min. - Grade 2: 350°C-400 l/min. - Grado 3: 450°C-500 l/min. - Grado 4: 550°C-400 l/min.

Reflector nozzle for hot air tool HG 2320 E



- Welding pipes or threading pipe.

Code	Desc.
417RC01300	51

Window nozzle for hot air tool HG 2320 E



- It protects from overheating by deflection, for example in narrow spots.

Code	Desc.
417RC01310	52

Soldering reflector nozzle for hot air tool HG 2320 E



- Welding and threaded sleeves welding and heat shrinkable.

Code	Desc.
417RC01320	53

Reduction nozzle 14 mm for hot air tool HG 2320 E



- To heat specific points when they melt solder joints or welds datatype of PVC, etc.

Code	Desc.
417RC01330	54

Surface nozzle for hot air tool HG 2320 E



- To be used with 14mm round nozzle
- Nozzle flow of heat expanded, to engage on our round nozzle 14mm diam, cod. 417 RC01330-54.
- Suitable for welding of tarpaulins, truck tarps type, etc. in conjunction with the pressure roller 417 RC 01350.

Code	Desc.
417RC01340	55

Manual pressure roller for hot air tool HG 2320 E



- Pressure roller manual useful to crush the material evenly heated to bond.
- Indicated for the gluing strips of any material and of tarpaulins PVC.

Code	Desc.
417RC01350	56

Aspire solids / liquids 3300 W-77 liters



- Industrial vacuum cleaner for solids and non-flammable liquids, equipped with three motors two-stage, stainless steel tank 77 liters, high strength for heavy work of all kinds and industrial cleaning.
- Suitable for every field of work where necessary a great suction power: car washes, car dealerships, truck drivers, cleaning environments, industries in general.
- Accessories and stainless steel body, the possibility of ignition of the three separate motors to select the desired power, stem folding for easy emptying and cleaning the inside, sponge filters and washable polyester.
- It equipped as standard with all accessories for cleaning floors, machinery and vehicles and aspiration of liquids, with pipe diameter 40 mm length 2.5 meters, sponge filter 36 liter, polyester filter.
- Available optional: cartridge filter hepa the detention of mites, pollen and allergens.
- Antifoam device to be fitted inside the vacuum cleaner for liquids containing detergents.

Code	Desc.
4170015790	AR4400

9



Diametro imbocco accessori 44 mm

** Articoli forniti di serie

* Articoli a richiesta

Spare Parts			
Article	Code	Description	Photo
Hose length 2.5 meters, diameter 40 mm	417RC12050**	564	1
Flat lance	417RC11800**	539	2
brush lance	417RC11810**	540	3
Full Brush for floors	417RC11820**	541	4
Full brush for liquids	417RC11830**	542	5
HEPA cartridge filter	417RC11840*	543	6
Foam cleaner for sucking up liquids	417RC11850**	544	7
Polyester filter for dust extraction	417RC11860**	545	8
Anti-foam device	417RC11870*	546	9
Fixed wheel	417RC11880*	547	-
Castor wheel	417RC11890*	548	-
40mm diameter flexible hose 15 meters	417RC12060*	565	-
Kit terminals for flex hose	417RC12070*	566	-
Extension plastic 45cm	417RC12080*	567	-

Tecnical Features	
Weight kg	29
Dimensions cm.	59 X 62 X 106
Barrel total capacity l.	77
Livello rumore dB(A)	68
Max. Power	3300
Air sucked m3/h	510
Depression mm H2O	2250
V/Hz power supply	220/50
Motori n°/stadi	3 engines / 2 stages

Aspires shavings Industrial 3600 W-77 liters



- Industrial vacuum cleaner designed to clean metal shavings from also mixed with liquids and lubricants of jobs and the machine tool, indispensable in the workshops of all kinds.
- Especially suitable for the cleaning of the machine tools and jobs around them. It allows you to vacuum without any problem scrap metal and shavings including cutting, alone or mixed with cutting fluids and coolants in general. Possibility to use the shavings aspires also as aspirator for solids or solids and liquids traditional.
- Large stainless steel tank, internal security system "cyclone" to protect the motor and the moving parts. Stem folding for easy emptying and cleaning.
- It equipped with three double stage motors with separate switches to select the desired suction force.
- Equipped as standard with anti-static tube can diameter 50 mm and length 2.5 m, 4 antistatic nozzles of various shapes to reach the furthest corners of machinery and floors available Optional kit internal basket in stainless steel for the separation of chips metallic oils, polyester filter tapered to a dust extraction adapter for mounting tubes 40 mm diameter for the intake of solids and liquids, complete kit for the use as an aspirator for solids and liquids with stainless steel tubes.
- For the bulk of the spare parts kits suction solid and liquid you can use parts of our solid and liquids vacuum 3300 W-77 liters code 417 00 15800 - AR4800.

Code	Desc.
4170015810	AR4900



** Articoli forniti di serie
* Articoli a richiesta

Spare Parts				
Article	Code	Description	Photo	
PU anti-static tube diameter 50 mm length 2.5 meters	417RC11940**	553	1	
Lancia conical antistatic	417RC11950**	554	2	
Windy wavy antistatic	417RC11960**	555	3	
Truncated cone antistatic	417RC11970**	556	4	
Lancia galvanized length 500 mm	417RC11980**	557	5	
Galvanized sleeve junction accessories	417RC11990**	558	6	
Cartridge filter in polyester	417RC12000**	559	7	
Internal system "Cyclone"	417RC12010**	560	8	
Foam cleaner for sucking up liquids	417RC11850**	544	9	
Polyester filter for dust extraction	417RC11860**	545	10	
Kit internal basket for separation shavings / oils	417RC12020*	561	11	
Adaptor sleeve for pipes of diameter 40 mm	417RC12030*	562	12	
Complete kit for use as solid and liquids vacuum	417RC12040*	563	-	
Fixed wheel	417RC11880*	547	-	
Castor wheel	417RC11890*	548	-	

Technical Features	
Weight kg	30
Dimensions cm.	50 X 60 X 106
Barrel total capacity l.	77
Livello rumore dB(A)	68
Max. Power	3600
Air sucked m3/h	645
Depression mm H2O	2400
V/Hz power supply	220/50
Motori n°/stadi	3 engines / 2 stages

Automatic vacuum-1400W 37 liters



- Industrial vacuum cleaner for non-toxic dusts also fine with a large suction force, additional outlet for starting and stopping with power tools, automatic shaking of the filters at regular intervals, tank and stainless steel accessories.
- Suitable for every field of work where necessary a great suction power and easy transportation: car washes, car dealerships, truck drivers, cleaning environments, carpenters, assembly of windows and frames, electricians, plumbers, etc..
- Automatic start and stop with auxiliary jack for the application of power tools with dust extraction with a maximum power of 2,000 watts. Series is to clean the filter cartridge. Automatic shaking the dust sucked for longer life without clogging.
- It equipped as standard with all accessories for cleaning floors, machinery and motor vehicles with tube diameter 40 mm length 2.5 meters. Pipe for connection of power tools diameter 28 mm length 3.3 meters with adjustable sleeves, cartridge filter is to clean.
- Available optional: polyester filter conical and polyester filters disposable 36 liter, both required for dust extraction purposes.



Code	Desc.
4170015800	AR4800

9



Diametro interno accessori 44 mm



** Articoli forniti di serie

* Articoli a richiesta

Spare Parts			
Article	Code	Description	Photo
Hose length 2.5 meters, diameter 40 mm	417RC12050**	564	1
Flat lance	417RC11800**	539	2
Nozzle brush	417RC11810**	540	3
Brush Full for floors	417RC11820**	541	4
Hose length 3.3 meters, diameter 28 mm	417RC11900**	549	5
Cartridge filter Conical	417RC11910**	550	6
Conical filter in polyester	417RC11920*	551	7
Polyester filters disposable 36 liter (5 pieces)	417RC11930*	552	8
Castor wheel	417RC11890*	548	-
40mm diameter flexible hose 15 meters	417RC12060*	565	-
Kit terminals for flex hose	417RC12070*	566	-
Extension plastic 45cm	417RC12080*	567	-

Tecnical Features	
Weight kg	13,9
Dimensions cm.	41 X 41 X 81
Barrel total capacity l.	37
Livello rumore dB(A)	60
Motori n°/stadi	Motor 1 / 2 stages
Max. Power	1400
V/Hz power supply	220/50
Depression mm H2O	2400
Air sucked m3/h	215

Professional sharpener Drill Doctor



- Affilapunte elettrico professionale per la perfetta riaffilatura di punte per foratura in HSS, Metallo Duro, Cobalto, Titanio, e con punta in Widiarm per muratura. Ricrea l'affilatura perfetta potendo scegliere fra due angolazioni di 118° o 135° per il modello 500X, o da 115° a 140° con il modello 750X, e permette di creare lo "Split Point" o punta autocentrante.
- Indicato per ogni tipo di professionista, permette il riutilizzo delle punte anche rotte o spezzate. Risparmio economico enorme per l'utilizzatore.
- La macchina funziona con corrente di rete 220 Volts, è leggera e facilmente trasportabile, dispone di predisposizione per l'applicazione di un aspiratore per le polveri. La mola al diamante montata di serie garantisce circa 400 affilature prima di dover essere sostituita, unico materiale di consumo della macchina.
- Disponibile in due versioni a seconda delle prestazioni occorrenti, fornite entrambe in valigetta in plastica per trasporto, libretto dettagliato di istruzioni, cd-rom con video sul funzionamento ed il corretto utilizzo, chiave per smontaggio e rimontaggio mola.
- **ATTENZIONE:** gli affilapunte Drill Doctor non sono adatti per la riaffilatura di punte per staccapunti, frese o simili.

Code	Desc.	Ø punte mm	Dimensions mm	Weight Kg.	Spare Parts		
					Article	Code	Desc. Grain
4170015760	DD750X	da 2,5 a 19	200 X 125 X 110 h	1,4	Grinding parts	417RC15165	1133 180
4170016150	DD500X	Da 2,5 a 13	200 X 125 X 110 h	1,4			

Professional labeling Meccanocar



- Etichettatrice professionale Meccanocar.
- Design compatto e portatile, con guscio protettivo in gomma.
- Costruisce etichette dettagliate, leggibili e durevoli.
- Simboli elettrici, audio e video incorporati. Memorizzazione delle etichette piu' utilizzate. Stampa su nastri con diversa ampiezza da 3,5; 6; 9; 12mm.
- Taglia nastro su lato macchina.
- Display LCD di facile lettura da 12 caratteri.
- Funzionamento con 6 batterie AAA (non incluse) ns codice 512 00 01030 o tramite presa elettrica grazie all'adattatore in dotazione.
- Stampa su una o due righe(su nastri 9 e 12mm). Funzione di impostazione margini identici su entrambi i lati del nastro.
- Settore di utilizzo: elettricisti, posatori di cavi, elettrauti, ufficio.
- Ideale per la creazioni di etichette per: quadri elettrici, identificazione cavi, etichettare fascicoli e oggetti.
- Contenuto: etichettatrice PT7100VP, adattatore, un nastro con fondo giallo e scritta nera (ns cod. 443 00 55046, istruzioni multilingua, valigetta in plastica antiurto).

Code	Desc.	Article
4430055020	PT7100VP	-
4430055025	IWB-500	ADAPTER PT7100VP

Tecnical Features	
Dimensions	19x9x5H cm
Peso (batterie incluse)	0,477 Kg
Memoria testo	720 characters
Impostazione lung. etichette	YES (30 TO 300mm)
N° copie di stampa	9
Dimensioni testo	Large, medium, small
Text width size	Small, normal, large
Stampa	Horizontal, vertical or mirror
Tipo di carattere	Helsinki (uppercase and lowercase)
Stili di stampa	9 (normal, bold, outline, shadow, italic, bold italic, strikethrough italics, italics ombreg., Vertical)
Tipi cornici	6 (pointed, round, candy, didactic, banner, wood)
AC power supply	100V-240V 50-60Hz
DC power supply	9V/1,6A
Velocità di stampa	10 mm/sec
Maximum print height	9 mm

Tapes Labeling Meccanocar



- Nastri laminati per uso professionale modello TZ.
- A differenza dei nastri tradizionali, quelli Meccanocar rimangono leggibili nel tempo e non si scollano.
- Pellicola trasparente che protegge l'etichetta da: luce del sole, abrasioni, umidità, caldo, freddo, i più comuni prodotti per la pulizia.
- Non si inceppano all'interno della macchina. Facili da sostituire, basta aprire il coperchio della etichettatrice ed inserire un nuovo nastro.
- L'etichettatrice professionale Meccanocar rileva automaticamente la larghezza del nastro inserito.
- Adatte per tutte le superfici piane, e per le applicazioni su cavi elettrici si consiglia l' utilizzo del nastro flessibile.
- Lunghezza dei nastri 8 metri.

Code	Desc.	Length <i>mt</i>	Width <i>tape</i>	Characteristics	For surface
4430055027	9x8MT-BN	8	9 mm	WRITTEN BLACK WHITE FUND	FLAT
4430055029	9x8MT-NB	8	9 mm	FUND WRITTEN BLACK WHITE	FLAT
4430055030	9x8MT-GN	8	9 mm	WRITTEN FUND YELLOW BLACK	FLAT
4430055031	9x8MT-FXGN	8	9 mm	YELLOW RIBBON FLEXIBLE FUND WRITTEN BLACK	CURVA
4430055032	9x8MT-RN	8	9 mm	RED BACKGROUND WRITTEN BLACK	FLAT
4430055040	12x8MT-TN	8	12 mm	BACKGROUND TRANSPARENT WRITTEN BLACK	FLAT
4430055041	12x8MT-BN	8	12 mm	WRITTEN BLACK WHITE FUND	FLAT
4430055042	12x8MT-FXBN	8	12 mm	TAPE FLEXIBLE FUND WRITTEN BLACK WHITE	CURVA
4430055043	12x8MT-BB	8	12 mm	WRITTEN BLUE WHITE FUND	FLAT
4430055044	12x8MT-NB	8	12 mm	BACKGROUND WRITTEN BLACK WHITE	FLAT
4430055046	12x8MT-GN	8	12 mm	YELLOW BACKGROUND WRITTEN BLACK	FLAT
4430055047	12x8MT-FXGN	8	12 mm	YELLOW RIBBON FLEXIBLE FUND WRITTEN BLACK	CURVA
4430055048	12x8MT-RN	8	12 mm	RED BACKGROUND WRITTEN BLACK	FLAT
4430055049	12x8MT-RB	8	12 mm	BACKGROUND WRITTEN RED WHITE	FLAT