



bimak



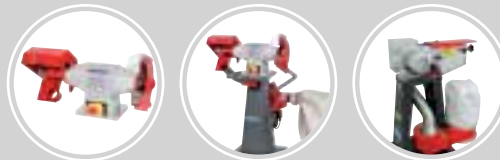
VOLUMEK



EDOGA



SNIP
BIANCO
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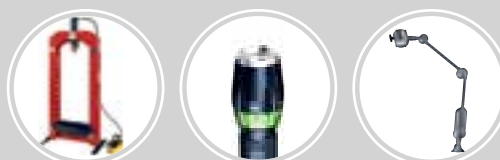
BOSCH
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LTEC
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WODEX
B-HANDLING
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ZECA
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fischer
WRK
DESTACO
VoRnA



WRK

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DRILLING MACHINES 18CO



ITEM: 18CO

Precise, silent and reliable drilling machines, compliant with safety standards.

Features:

- Steel column
- Cast iron base
- Ground swivel table and vice
- Manual downfeed with depth stop
- Three phase motor 400 Volt
- Safety guard

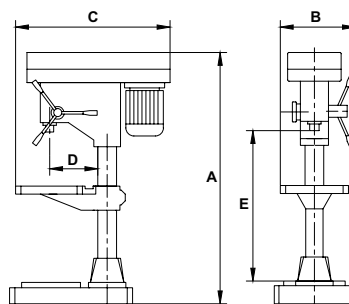
Variants:

- 2 speed motor (10 speed spindle via step pulley drive)
- Motor with electronic Speedtronic speed variator and digital display

VARIANTS



Electronic variator speedtronic with digital reading of RPM of the spindle



Tech. Code	GR78 Euro	Drilling mm	Coupling	Range mm	Table mm	Column Ø mm	Distance spindle to table mm	Kw HP	A mm	B mm	C mm	D mm	E mm	Weight kg	Variants
N038018	(3475,00)	1 - 18/20	CM2	90	240 x 240	80	50 - 630	0.56 0.75	1625	490	660	200	1160	140	2-speed motor
N038018VE	(5019,00)	1 - 18/20	CM2	90	240 x 240	80	50 - 630	0.56 0.75	1625	490	660	200	1160	140	Electronic speed variator

DRILLING MACHINES 25TM



ITEM: 25TM

Precise, silent and reliable drilling machines, compliant with safety standards.

Features:

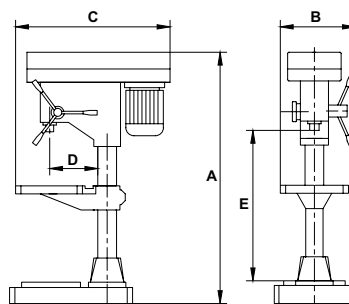
- Steel column
- Cast iron base
- Ground swivel table and vice
- Manual downfeed with depth stop
- Three phase motor 400 Volt
- Safety guard

Variants:

- 2 speed motor (10 speed spindle via step pulley drive)
- Motor with electronic Speedtronic speed variator and digital display



Electronic variator speedtronic with digital reading of RPM of the spindle



Tech. Code	GR78 Euro	Drilling mm	Coupling	Range mm	Table mm	Column Ø mm	Distance spindle to table mm	Kw HP	A mm	B mm	C mm	D mm	E mm	Weight kg	Variants
N043825	(4060,00)	1 - 25/28	CM3	110	300 x 300	100	50 - 620	0.75 1	1710	580	830	250	1185	230	2-speed motor
N043825VE	(5736,00)	1 - 25/28	CM3	110	300 x 300	100	50 - 620	0.75 1	1710	580	830	250	1185	230	Electronic speed variator

DRILLING MACHINES 30LE



ITEM: 30LE

Precise, silent and reliable drilling machines, compliant with safety standards.

Features:

- Steel column
- Cast iron base
- Ground swivel table and vice
- Manual downfeed with depth stop
- Three phase motor 400 Volt
- Safety guard

Variants:

- 2 speed motor (14 speed spindle via step pulley drive)
- Motor with electronic Speedtronic speed variator and digital display
- Tapping system and cooling system

VARIANTS



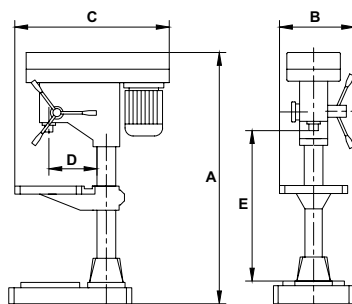
Electronic variator speedtronic with digital reading of RPM of the spindle



Tapping system with teleinversion



Cooling system of tools



Tech. Code	GR78 Euro	Drilling mm	Coupling	Range mm	Table mm	Column Ø mm	Distance spindle to table mm	Kw HP	A mm	B mm	C mm	D mm	E mm	Weight kg	Variants
N044230	(5185,00)	1 - 30/32	CM3	110	350 x 350	110	50 - 630	1.1 1.5	1800	580	880	280	1210	290	2-speed motor
N044230VE	(7005,00)	1 - 30/32	CM3	110	350 x 350	110	50 - 630	1.1 1.5	1800	580	880	280	1210	290	Electronic speed variator
N044230MR	(7082,00)	1 - 30/32	CM3	110	350 x 350	110	50 - 630	1.1 1.5	1800	580	880	280	1210	290	Tapping system cooling

DRILLING MACHINE WITH 6 SPEEDS



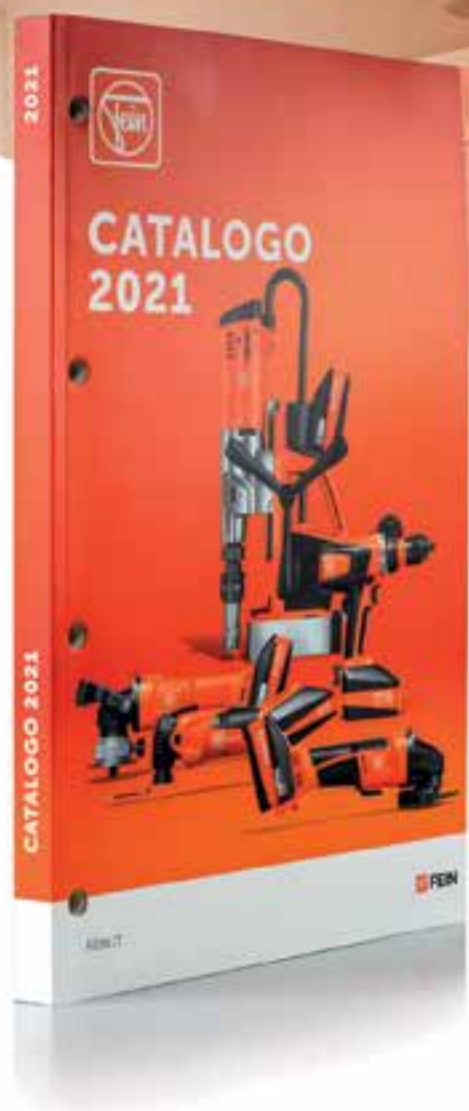
ITEM: N0360

Sensitive drilling machine with the highest accuracy, mounted on high-speed ball bearings of the best brands. The ground steel bush pulley holder and spindle shaft holder as also the mechanic cast iron column are highly resistant. These features ensure long machine life. 6-speed drill (2000 - 3000 - 4000 - 6000 - 8500 - 11500). B10 spindle coupling, three-phase 2-pole motor - 2800 rpm, 0.25 HP. It is supplied with reflector, rack chuck, hole depth micrometer measuring.

Tech. Code	GR78 Euro	Drilling capacity (force) mm	Distance chuck/table mm	Excursion mm	Ø column mm	Distance col. /chuck centre mm
N0360-B10	(1964,00)	6 max.	200 max.	45 - 50	60	115



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DRILLS WITH MAGNETIC BASE



ITEM: KBE 35

KBE 35 drill with magnetic base for 1-speed crown drills, small with a very wide stroke with basic functionality for drilling with crown and helical drill bits on site. FEIN high-performance engine. Durability and speed of processing without compromise with an excellent quality-price ratio. Integrated refrigerant tank. High magnetic holding force. Excellent weight/power ratio. Integrated internal hexagon support.

Tech. Code		N0510850
GR82	Euro	(934,00)
Rated power consumption	W	850
Rendered power	W	450
Speed under load	Rpm	460
Rpm		620
Propeller tip Ø max.	mm	13
Depth of drilling max. with crown	mm	35
HSS crown cutter Ø max.	mm	35
Weldon - Hole cutters coupling		3/4" (19)
Excursion	mm	135
Overall excursion	mm	260
Magnetic holding force	N	12000
Dimension of magnetic base	mm	195 x 90
Weight	kg	11,8

Supplied with:
 Tank of cooling lubricant
 Fixing strap
 Centering pin of 100 mm
 Protection grid
 Hexagonal head keys of 5 and 6 mm



ITEM: KBU 35 Q

KBU 35 Q universal drill with crown tip and 1-speed magnetic base, with reduced dimensions and a very wide stroke, with left and right rotation and maximum functionality to work flexibly on site. High load capacity thanks to the solid structure of the machine with the sheathing of the swiveling motor. Quick change of the crown tip without service keys. Electronic regulation of the number of revolutions. High magnetic holding force. Feeding knob mountable on both sides. Anti-tipping sensor.

Tech. Code		N05301100
GR82	Euro	(1160,00)
Rated power consumption	W	1100
Rendered power	W	550
Speed under load	Rpm	130 - 520
Tapping		M14
Countersink Ø max.	mm	31
Boring Ø max.	mm	16
Crown tip Ø max.	mm	35
HSS crown cutter Ø max.	mm	35
Hole cutters coupling		QUICK IN
Excursion	mm	135
Overall excursion	mm	260
Magnetic holding force	N	10000
Dimension of magnetic base	mm	175 x 80
Weight	kg	10,6

Supplied with :
 Case
 Tank of cooling lubricant
 Fixing strap
 Chip hook
 Centering pin
 Protection grid
 Extraction wedge



ITEM: KBM 50 U

KBM 50 U universal drill with 2 -speed gearbox and maximum functionality for flexible work in the workshop and on site. Compact with high functionality for universal use on site and in the workshop. Ideal for using large drilling tools thanks to the dual motor drive. Right / left rotation. Electronic speed regulation. FEIN high-performance motor with stable speed. High magnetic holding force. Integrated refrigerant tank.

Tech. Code		N05201200
GR82	Euro	(1976,00)
Rated power consumption	W	1200
Rendered power	W	610
Speed under load 1st gear	Rpm	130 - 260
Speed under load 2nd gear	Rpm	260 - 520
Tapping		M16
Countersink Ø max.	mm	50
Boring Ø max.	mm	23
Crown tip Ø max.	mm	50
Propeller tip Ø max.	mm	23
Depth of drilling max. with crown	mm	50
HSS crown cutter Ø max.	mm	40
Hole cutters coupling		QUICK IN
Excursion	mm	145
Overall excursion	mm	315
Magnetic holding force	N	12500
Dimension of magnetic base	mm	195 x 90
Weight	kg	13,9

Supplied with:
 Case
 Tank of cooling lubricant
 Fixing strap
 Chip hook
 Centering pin
 Protection grid
 Extraction wedge



CORDLESS MAGNETIC BASE DRILLS WITH 18 V BATTERY



ITEM: M18 FMDP-502C M18 FUEL

Two-speed M18 FMDP-502C drill with magnetic base for use with end mills or drill bits. The brushless POWERSTATE™ motor provides corded drilling performance with a strong magnet holding force on 1/4" steel and can make 40 x 18 mm holes per battery charge. The intelligent REDLINK PLUS™ system provides advanced digital overload protection for the tool and battery. The REDLITHIUM-ION™ battery, by monitoring the individual battery cells, optimises the durability and performance of the battery pack to deliver more tool run time. The AUTOSTOP™ sensor detects misalignment of the magnetic base compared to its original position and automatically stops the drill. Fast release 19 mm Weldon adapter (keyless). On board lubrication tank with magnet, easy to fix to the material, especially when drilling in vertical positions. Handle can be positioned for right or left hand usage.

Tech. Code		N05018
GR64	Euro	(3111,00)
Battery capacity	Ah	5
Magnetic holding force	N	8890
Blade stroke length	mm	146
Max. solid drilling bit hole	mm	13
Max drilling capacity	mm	38
Max drilling depth	mm	50
Battery charge time	min	59
Battery type		Lithium
No-load speed	Rpm	400/690
Weight with battery	kg	13

Included:
 2 batteries 5 Ah
 Battery charger
 Lubrication tank
 Chuck 13 mm
 Ejector pin
 Safety strap
 Case



ELECTRIC TAPPING MACHINES WITH ARTICULATED ARM SNIPER



ITEM: SNIPER 400

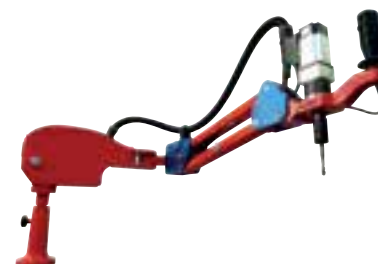
Compact and handy Made in Italy electric tapping machine with 400 Watt Brushless motor, articulated supporting structure in aluminum and control unit integrated inside the arm. The Sniper 400 is a machine with a wide range of tapping on multiple materials and can be fitted with a fixed head for vertical machining only, or with an adjustable head for vertical and inclined machining +/- 180 °

Features:

- Articulated arm system with adjustable balance
- High performance IP65 motor, minimum noise and low consumption
- Wide adjustment of the tapping speed
- Maximum counter-clockwise speed for quick tool extraction
- Possibility to thread blind and through holes thanks to the adjustable clutches

Optional accessories:

- GR1 quick change bushes for taps and dies
- GR1 quick change chucks for drills and countersinks
- Depth sensor with automatic inversion
- Trolley or bench for tapping machine



Tech. Code		N060016SM	N060016M
GR78	Euro	(3297,00)	(3684,00)
Tapping on steel		M2 - M14 (*)	M2 - M14 (*)
Adjustable head		No	Yes
Speed	RPM	40 - 450	40 - 450
Torque max	Nm	39	39
Chuck coupling		GR1	GR1
Operation area	mm	1102	1102
Power supply	V - Hz	230 - 50/60	230 - 50/60
Weight	kg	15	15

(*) M16 on aluminum

The machine with swivel head is equipped with a quick-change compass with magnetic base for fast and precise alignment to the workpiece.

ITEM: JOYTAP JT2

Made in Italy electric machines with Brushless motor and balanced articulated arm system entirely in aluminum that guarantees fast and precise alignment on the holes. All JOYTAP machines can be equipped with the VASTC or VASCT Industry 4.0 WI-FI Touch Screen Control (Optional) for semi-automatic tapping operations, controlled screwing, installation of self-tapping bushes and inserted threads, drilling and countersinking operations.

Features:

- Articulated arm system with adjustable balance
- IP65 high performance motor, minimum noise and low consumption
- Wide adjustment of the tapping speed
- Double counter-clockwise extraction speed that can be set at 100% or 50% of the maximum speed
- Joystick with control buttons that facilitates tool alignment and speeds up the execution of machining
- Balance and fluidity in movements guaranteed by adjustable gas springs and joints mounted on ball bearings
- Possibility to thread blind and through holes thanks to the adjustable clutches

Optional accessories:

- Volumec Assisted Screwing Tapping Control "VASTC"
- Depth sensor with automatic inversion
- Device for automatic tool lubrication
- GR2 - GR3 - GR4 quick change bushes for taps
- GR2 - GR3 quick change die holders
- GR2 quick change chucks for drills and countersinks
- Quick change chucks GR2 insert holder with 1/4 "E connection
- GR2 quick change adapters for 1/4 " - 3/8" - 1/2 "sockets
- GR2 quick change installers for self-tapping bushes
- Reduction sleeves GR4> GR3 - GR3> GR2 - GR2> GR1
- Trolleys, benches or tapping columns

**Version:**

- JT2 series with double articulated arm and swiveling head for machining vertically off inclined +/- 180°

Tech. Code		N060512M	N060516M	N060524M
GR78	Euro	(3850,00)	(3850,00)	(4350,00)
Tapping on steel		M3 - M12	M3 - M16	M5 - M24
Adjustable head		Yes	Yes	Yes
Speed	RPM	100 - 1000	50 - 500	20 - 200
Torque max	Nm	28	70	180
Chuck coupling		GR2	GR2	GR2
Operation area	mm	1300	1300	1300
Power supply	V - Hz	230 - 50/60	230 - 50/60	230 - 50/60
Weight	kg	15	15	15

The machines with swiveling head are equipped with a quick-change compass with magnetic base for fast and accurate alignment to the workpiece.

ITEM: JOYTAP JT3**Version:**

- JT3 series with triple articulated arm with fixed head for vertical machining
- JT3 series with triple articulated arm and swiveling head for machining vertically and inclined +/- 180°



Tech. Code		N061012M	N061016M	N061024M	N061036M	N061036SM	N061048SM
GR78	Euro	(4350,00)	(4350,00)	(4800,00)	(6650,00)	(6000,00)	(11750,00)
Steel tapping		M3 - M12	M3 - M16 (*)	M5 - M24 (**)	M8 - M36	M8 - M36	M18 - M48
Adjustable head		Yes	Yes	Yes	Yes	No	No
Speed	RPM	100 - 1000	50 - 500	20 - 200	10 - 150	10 - 150	10 - 90
Torque max	Nm	28	70	180	250	250	450
Chuck coupling		GR2	GR2	GR2	GR3	GR3	GR4
Operation area	mm	1900	1900	1900	1900	1900	1500
Power supply		230V - 50/60Hz	230V - 50/60Hz	230V - 50/60Hz	230V - 50/60Hz	230V - 50/60Hz	230V - 50/60Hz
Weight	kg	19	19	20	25	25	50

(*) M20 on aluminum (**) M27 on aluminum.

The machines with swiveling head are equipped with a quick-change compass with magnetic base for fast and accurate alignment to the workpiece.

DEVICE FOR AUTOMATIC LUBRICATION OF THE TOOL



ITEM: LST01

The automatic lubrication system is activated autonomously at each tapping cycle, lubricating the tool in the desired quantity. The device can be installed (by the manufacturer) on all Joytap tapping machines.

Tech. Code	GR78 Euro	MODEL
N061800	(630,00)	LST01



ASSISTED CHECK FOR SCREWING AND TAPPING



ITEM: VASTC - VASTC-4.0 WI-FI

All JOYTAP machines can be equipped with Touch Screen Control **VASTC** or **VASTC Industry 4.0 WI-FI** for semi-automatic tapping operations, controlled tightening, installation of self-tapping bushes and inserted threads.

TAPPING:

- Semi-automatic tapping (pitch - depth - speed - torque Nm setting).
- Manual tapping (speed setting - torque Nm).
- Constant speed and torque during tapping thanks to the control encoder.
- Simplified programming through the integrated interface.
- Count of threads performed.
- Data archive for later reuse.

SCREWING:

- Tightening with Automatic Stop (when the preset torque is reached).
- Luminous signal at the end of tightening.
- Centering system before screwing.
- Simplified programming through the integrated interface.
- Constant speed and torque during tightening thanks to the control encoder.
- Counting of run-downs performed.
- Data archive for later reuse.

Version:

- Standard VASCT control installed on the machine
- VASTC-4.0 WI-FI control installed on the machine



Tech. Code	GR78 Euro	MODEL
N061200	(1155,00)	Standard
N061240	(2258,00)	Industry 4.0 WI-FI

The VASTC-4.0 Industry 4.0 version is equipped with a WI-FI connection for remote control

ITEM: VASTC-1 - VASTC-4.0-1 WI-FI

All JOYTAP machines can be equipped with the **VASTC** or **VASTC-4.0 WI-FI** Touch Screen Control for semi-automatic tapping operations, controlled tightening, installation of self-tapping bushes and inserted threads

TAPPING:

- Semi-automatic tapping (pitch - depth - speed - torque Nm setting).
- Manual tapping (speed setting - torque Nm).
- Constant speed and torque during tapping thanks to the control encoder.
- Simplified programming through the integrated interface.
- Count of threads performed. - Data archive for later reuse.

SCREWING:

- Tightening with Automatic Stop (when the preset torque is reached).
- Luminous signal at the end of tightening.
- Centering system before screwing.
- Simplified programming through the integrated interface.
- Constant speed and torque during tightening thanks to the control encoder.
- Counting of run-downs performed.
- Data archive for later reuse.

Version:

- Standard VASCT-1 control fixed to the motor
- VASTC-4.0-1 WI-FI control fixed to the motor

Tech. Code	GR78 Euro	MODEL
N061400	(1650,00)	Standard
N061440	(2750,00)	Industry 4.0 WI-FI

The VASTC-4.0-1 Industry 4.0 version is equipped with a WI-FI connection for remote control



ELECTRONIC DEPTH SENSOR



ITEM: EDS01

Electronic sensor with automatic tool return after reaching the predetermined working depth. The electronic depth sensor can be installed (by the manufacturer) on all Sniper and Joytap tappers.

Tech. Code	GR78 Euro	MODEL
N061600	(425,00)	EDS01



TROLLEY FOR TAPPING MACHINES



ITEM: MCA001

Trolley for Sniper and Joytap tapping machines complete with shelf for sockets.

Tech. Code	GR78 Euro	Dimension mm	Weight kg
N062000	(683,00)	850 x 750 x 870 h	65



ITEM: CPA001

Joytap tapping machine trolley with structural aluminum top and slots for fixing accessories to block pieces.

Tech. Code	GR78 Euro	Dimension mm	Weight kg
N062200	(772,00)	800 x 640 x 870 h	55



WORK BENCH WITH T-SLOTS FOR TAPPING MACHINES



ITEM: BML001 - BML001-R

Sniper and Joytap tapping machine bench with 30 mm thick steel worktop and T-slots for fixing piece-locking accessories.

Tech. Code	GR78 Euro	MODEL	Dimension mm	Weight kg
N062400	(1650,00)	Stationary	800 x 600 x 870 h	150
N062400R	(1980,00)	With wheels	800 x 600 x 870 h	150



BUSHES FOR TAPPING WITH ADJUSTABLE CLUTCH



ITEM: BFGR1

Size 1 bushes with adjustable clutch for DIN371 M2 to M10 and DIN376 M12 to M16 taps.

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063002	(56,00)	M2	2,8	2,1
N063003	(56,00)	M3	3,5	2,7
N063004	(56,00)	M4	4,5	3,4
N063005	(56,00)	M5	6	4,9
N063006	(56,00)	M6	6	4,9

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063008	(56,00)	M8	8	6,2
N063010	(56,00)	M10	10	8
N063012	(56,00)	M12	9	7
N063014	(89,00)	M14	11	9
N063016	(89,00)	M16	12	9



BUSHES FOR TAPPING WITH ADJUSTABLE CLUTCH



ITEM: BFGR2

Size 2 bushes with clutch for DIN371 taps from M3 to M10 and DIN376 from M12 to M30.

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063203	(71,00)	M3	3,5	2,7
N063204	(71,00)	M4	4,5	3,4
N063205	(71,00)	M5	6	4,9
N063206	(71,00)	M6	6	4,9
N063208	(71,00)	M8	8	6,2
N063210	(71,00)	M10	10	8
N063212	(71,00)	M12	9	7
N063214	(71,00)	M14	11	9

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063216	(71,00)	M16	12	9
N063218	(71,00)	M18	14	11
N063220	(71,00)	M20	16	12
N063222	(71,00)	M22	18	14,5
N063224	(71,00)	M24	18	14,5
N063227	(95,00)	M27	20	16
N063230	(95,00)	M30	22	18

ITEM: BFGR3

Size 3 bushes with clutch for DIN376 M20 to M36 taps.

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063420	(185,00)	M20	16	12
N063422	(185,00)	M22	18	14,5
N063424	(185,00)	M24	18	14,5
N063427	(185,00)	M27	20	16

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063430	(185,00)	M30	22	18
N063433	(185,00)	M33	25	20
N063436	(300,00)	M36	28	22

ITEM: BFGR4

Size 4 bushes with clutch for DIN376 M18 to M48 taps.

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063618	(330,00)	M18	14	11
N063620	(330,00)	M20	16	12
N063622	(330,00)	M22	18	14,5
N063624	(330,00)	M24	18	14,5
N063627	(330,00)	M27	20	16
N063630	(330,00)	M30	22	18

Tech. Code	GR78 Euro	For taps	Shank Ø mm	■ mm
N063633	(330,00)	M33	25	20
N063636	(330,00)	M36	28	22
N063639	(330,00)	M39	32	24
N063642	(330,00)	M42	32	24
N063645	(330,00)	M45	36	29
N063648	(330,00)	M48	36	29



REDUCING BUSHES FOR TAPPING MACHINES



ITEM: BRGR

Reduction sleeves for Joytap tapping machines

Tech. Code	GR78 Euro	GR
N063821	(76,00)	GR2 - GR1
N063832	(120,00)	GR3 - GR2
N063843	(260,00)	GR4 - GR3



BUSHES WITH DRILL CHUCK



ITEM: MPS10GR1 - MPS13GR1

Size 1 bushes with drill chuck and countersinks

Tech. Code	GR78 Euro	Opening mm
N064610	(155,00)	0,5 - 10
N064613	(175,00)	1 - 13



ITEM: MPS10GR2 - MPS13GR2

Size 2 bushes with drill chuck and countersinks

Tech. Code	GR78 Euro	Opening mm
N064810	(155,00)	0,5 - 10
N064813	(175,00)	1 - 13



BUSHES WITH BIT HOLDER 1/4 "HEXAGONAL ATTACHMENT

ITEM: MPAE1/4

Bushes Size 2 with bit holder for 1/4 "hexagonal shank bits to DIN ISO 1173-C 6.3

Tech. Code	GR78 Euro		Max strength Nm
N065014	(135,00)	1/4"	15



SAFETY SHIELDS FOR DRILLS

ITEM: N1040

Impact-proof transparent plastic shield. Chrome-plated attachment.

Tech. Code	GR76 Euro	Ø mm	Band mm	Type
N1040200	130,00	200	130	-
N1040200M	226,00	200	130	With micro-switch
N1040300	137,00	300	130	-
N1040300M	238,00	300	130	With micro-switch



ATTACHMENTS FOR SAFETY SHIELDS

ITEM: N1010

Chrome-plated side attachment with lamp holder hole.

Tech. Code	GR76 Euro	For shields Ø mm
N1010200500	43,00	200-500
N10105501000	95,00	550-1000



ITEM: N1015

With micro-switch. Chrome-plated universal attachment.

Tech. Code	GR76 Euro	For shields Ø mm
N1015200500	155,00	200-500
N10155501000	180,00	550-1000



SAFETY SHIELDS FOR LATHES

ITEM: N1020

Impact-proof transparent plastic.

Tech. Code	GR76 Euro	Ø mm	Band mm
N1020300	48,00	300	150
N1020350	54,00	350	150
N1020400	60,00	400	180
N1020450	67,00	450	190

Tech. Code	GR76 Euro	Ø mm	Band mm
N1020500	75,00	500	200
N1020550	132,00	550	240
N1020650	180,00	650	265
N1020800	232,00	800	300



ITEM: N1025

Polycarbonate shield, steel structure with 30 mm Ø hole for attachment to the lathe.

Tech. Code	GR76 Euro	Ø mm	Band mm
N1025300	176,00	300	240
N1025400	181,00	400	240



SAFETY SHIELDS FOR GRINDING WHEELS

ITEM: N1035

Slotted bracket for quick mounting on any grinding wheel, friction joint for perfect positioning. Shield with the optical area made of replaceable impact-proof plastic and of glass.

Tech. Code	GR76 Euro	Shield mm
N1035115110	115,00	115 x 110



PARALLEL LATHE ECOCA



TECHNICAL CHARACTERISTICS

- Height of centres: 230 mm
- Swing over bed: 460 mm
- Swing over cross slide: 258 mm
- Swing over gap: 670 mm
- Width of bed: 300 mm
- Spindle bore: 58 mm
- Cam-Lock 6"
- Taper of spindle bore: MT6
- N° of speed 12, range of single speed 20-2000 rpm
- Cross slide travel 247 mm
- Upper slide travel 132 mm
- Longitudinal feed range 0,05-0,82 mm
- Cross feed range 0,02-0,4 mm
- Inch threads 4-56 TPI
- Metric threads P.0,5-P.7
- Main motor power 7,5 HP
- Cooling system motor power 0,125 HP
- Quill travel 127 mm
- Quill taper CM4
- Overall dimension cm (LxWxH): L2700 x W810 x H1230
- Weight 2000 Kg

ACCESSORIES (included)

- Simple guide self-centering chuck ø 230mm (3+3 jaws for internal/external
- Plateau 4 independent jaws (diam. 320 mm)
- Drive plate diam 400
- Fix rest and removable rest
- Cooling system
- Alogen Lamp
- Lathe carriage safety guard
- Tools box. Positioning stands.
- ALGRA tool post (B)
- Instruction manual and CE certification

DIGITAL READOUT

- Layout 1/2 - 3 axis (n.2 display)
- Green Numeric and Alphanumeric display height 14 mm
- Resolution: 0,01 - 0,005 - 0,002 - 0,001 - 0,0005 selectable from keyboard
- Beam/diameter conversion
- Bidirectional counting
- Dimensions setting through keyboard
- Separate axis reset
- Automatic research index pulse
- Standby ignition test
- N.200 Abs absolute reading
- Protected warehouse 200 tools
- Incremental reading
- Data end work automatic rescue
- Data automatic rescue during power failure
- Algebraic sum between axis (only 3-axis)
- Mm/inch conversion
- Linear error compensation - Calculation taper
- Power supply: 230V - 50/60 Hz

Tech. Code		N14901500
GR78	Euro	(-)
MODEL		SJ 460 x 1500 Tips clearance 1500 mm



Tech. Code		N1491VISU
GR78	Euro	(-)
MODEL		3-axis display complete with assembly



Hydro pro

ART. H202032B1



Recommended for
LATHES

Oilgear

ART. H2030220B1



Recommended for
GEAR GROUPS

Waylube

ART. H201568B1



Recommended for
MACHINE TOOL GUIDE

ANTI-VIBRATION STANDS

ITEM: N1300

Zinc plated steel base, anti-vibration sole in anti-oil and anti-slip rubber compound, removable threaded shank complete with two hexagonal nuts and two galvanised steel washers, preserves machine tools from wear that can be accumulated over time and significantly increases noise damping, suitable for simple, fast and accurate positioning and levelling of machine tools.

Tech. Code	GR76 Euro	D mm	d mm	H mm	h mm	Dynamic load kg max	Static load kg max
N130080	33,70	80	M12	80	27	max. 320	max. 900
N1300110	37,90	110	M14	125	32	max. 550	max. 1500
N1300140	42,50	140	M16	130	39	max. 750	max. 2000
N1300200	(87,50)	200	M20	175	62	max. 1450	max. 3600



ANTI-VIBRATION STANDS

ITEM: N1310

Zinc-plated steel base, anti-vibration sole in anti-oil and anti-slip rubber compound, with two stages of different density separated by a metal reinforcement.

Tech. Code	GR76 Euro	D mm	d mm	H mm	h mm	Dynamic load kg max	Static load kg max
N131080R	45,90	80	M12	80	27	400	1200
N1310110R	54,30	110	M14	125	32	650	1900
N1310140R	65,20	140	M16	130	39	900	2850



ANTI-VIBRATION STANDS

ITEM: N1315

Self levelling and adjustable for height vibration-control mounts for machine tools and machineries. Zinc plated steel structure with lower surface in NBR 80 Shore, fine threaded square headed bolt, 1 nut and 1 washer. Base and spindle not assembled.

Tech. Code	GR76 Euro	D mm	H mm	M/MF mm	Shaft mm	Stat. load kg max
N1315080	48,30	80	45	12 x 1,25	100	700
N1315120	62,00	120	45	16 x 1,5	120	1000
N1315160	77,70	160	45	20 x 1,5	150	1500
N1315200	(163,80)	200	55	20 x 2,5	160	4000



Related products

WODEX COMBINATION WRENCHES IN FOAM

Tech. Code	Pieces	Module size mm
E000712	12	400 x 223,5 - 1/3 Horizontal position
E000716	16	400 x 447 - 2/3 Vertical position



The products are available in chapter E

BAND SAWS PORTABLE INVERTER - SNIP 105MI

SNIP 105 MI



NEW

ITEM: SNIP 105MI

Powerful 1800 watt motor. Cutting angle adjustable from 0° to 45° right. Automatic belt tensioning. Electronic speed variator with torque control. Oversized steel clamping vice and sliding blade guide. The use of coolant is not recommended.

Tech. Code	GR78 Euro	Tension V	Blades length mm	Cutting capacity	Round Ø mm	Rectangle mm	Square mm	Weight kg
N22911140	745,00	230	1140 x 13 x 0,65	0° 45°	100 55	100 x 105 55 x 60	90 x 90 45 x 45	19



ITEM: A7012

Blade width 13 x 0.65 mm

Length mm	GR12 Euro	Tooth pitch 6/10	Tooth pitch 8/12	Tooth pitch 10/14	
1140	13,81	A70121140610	A70121140812	A701211401014	10

BAND SAWS INVERTER - SNIP 125MI

SNIP 125 MI



NEW

ITEM: SNIP 125MI

Powerful 1800 watt motor. Cutting angle adjustable from 0° to 60° right. Automatic belt tensioning. Electronic speed variator. Gear reducer with long life grease. Metal clamping vice and sliding blade guide. Arch locking system.

Tech. Code	GR78 Euro	Tension V	Blades length mm	Cutting capacity	Round Ø mm	Rectangle mm	Square mm	Weight kg
N22931440	950,00	230	1440 x 13 x 0,65	0° 45° 60°	125 102 60	130 x 115 90 x 110 60 x 90	115 x 115 90 x 90 60 x 60	19



ITEM: A7012

Blade width 13 x 0.65 mm

Length mm	GR12 Euro	Tooth pitch 6/10	Tooth pitch 8/12	Tooth pitch 10/14	
1440	16,28	A70121440610	A70121440812	A701214401014	10

BAND SAWS INVERTER- SNIP 176MI

SNIP 176 MI



NEW

ITEM: SNIP 176MI

Powerful 1800 watt motor. Cutting angle adjustable from 0° to 45° right. Automatic belt tensioning. Electronic speed variator. Gear reducer with long life grease. Metal clamping vice and sliding blade guide. Arch locking system. Base in die-cast aluminum. Cutting angle adjustment. Self-lubricating bushings. The use of coolant is not recommended.

Tech. Code	GR78 Euro	Tension V	Blades length mm	Cutting capacity	Round Ø mm	Rectangle mm	Square mm	Weight kg
N22961440	1320,00	230	1440 x 13 x 0,65	0° 45°	150 75	150 x 125 70 x 50	125 x 125 50 x 50	35



ITEM: A7012

Blade width 13 x 0.65 mm

Length mm	GR12 Euro	Tooth pitch 6/10	Tooth pitch 8/12	Tooth pitch 10/14	
1440	16,28	A70121440610	A70121440812	A701214401014	10

STAND FOR INVERTER BAND SAW MACHINES SNIP 105MI - 125MI - 176MI



ITEM: N2299

Foldable moving stand for portable band saw machines, can be positioned in three different heights. Can be used as a trolley, thanks to the two rubber wheels. A safety locking system fix the stand to prevent injuries to the operator. Wheels are equipped with brake, for maximum stability.

Tech. Code	GR78 Euro	Load capacity kg	Weight kg
N229900	(145,00)	50	10



CUT-OFF BENCH SAWS FOR PUNCHES

ITEM: ABZ DIAMOND

Particularly suited for cutting pins, punches, columns and guide bushings, cobalt steel bars, special profiles of stainless steel, aluminium, brass, copper, nylon, etc. It leaves no burrs and does not alter the hardening treatment, 1HP/0.75 kW motor, three-phase supply voltage 400 V, on request available also with single-phase supply voltage 230 V for hobbyists. 150 x 1-1.5 mm Ø abrasive disc for high speeds, approximate rotation speed of 6000 rpm, swivel graduated vice for cuts up to 45°. Low-voltage start micro-switch in the handle, wraparound casing for total protection of the abrasive disc.

Tech. Code	GR78 Euro	Power supply	Electric motor	Ø Disc mm	Rotating speed rpm
N2310150	1000,00	400V three-phase	1HP/0.75kW	150 x 1-1,6 x 20	6000



NEW

Related products

GUABO READY TO USE OIL FOR BAND SAWS

Tech. Code	Quantity L	Specific weight a 20°C kg/L	Appearance
H005020	20	1,0	Translucent



The products are available in chapter H

MANUAL BAND SAW MACHINES

ITEM: 280 M

Small and robust band saw machine.

- Particularly recommended for structural steel and workshops that need to cut small batches
- Vice holder unit, suitable for the cutting capacity, designed to make the machine reliable while containing costs
- Low voltage electrical system compliant with EC standards
- Can only be supplied with a top control panel
- Worm reduction gearbox
- Cutting capacity up to 60° right
- Two speed three-phase motor
- Worktable height 965 mm
- Hardened and ground gears

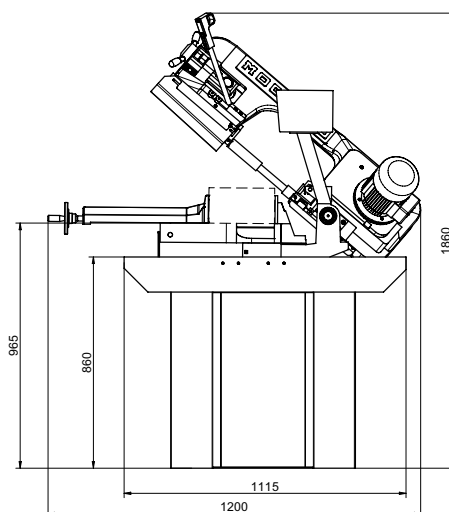
Product Made in Italy

STANDARD ACCESSORIES

- Millimetre scale 0-500 mm with stop block
- Infeed roller
- Workpiece discharge chute

Tech. Code		N2327280M
GR78	Euro	(-)
Band dimension	mm	2450 x 27 x 0,9
Tension	V	400
Power	Kw	0,5 - 0,7
Cutting speed	m/min	35 - 70
Weight	kg	240

Cutting capacity mm		
○	0° / 45° / 60°	220 / 160 / 95
□	0° / 45° / 60°	220 / 155 / 95
▢	0° / 45° / 60°	260 x 140 / 160 x 140 / 95 x 95



Standard colours: Red upper part RAL 3002 - Black lower part RAL 7022.
BLUE RAL 5015 on request at an additional cost.

MANUAL GRAVITY FEED BANDSAW MACHINES

ITEM: 330 M + SA

Manual gravity feed band saws.

- Cutting capacity up to 60° right
- Suitable for cutting round, flat and medium size profiles
- High cutting precision and absolute reliability
- Hardened die-cast aluminium blade unit for flexibility and strength
- Low voltage electrical system compliant with all EC standards
- Can only be supplied with a top control panel
- Controlled down feed device included (art.SA)

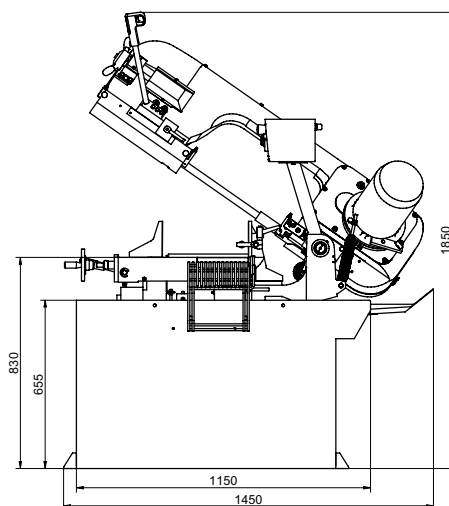
Product Made in Italy

STANDARD ACCESSORIES

- Millimetre scale 0-500 mm with stop block
- Infeed roller
- Workpiece unloading chute
- Blade cleaning brush

Tech. Code		N2326330
GR78	Euro	(-)
Band dimension	mm	3010 x 27 x 0,9
Tension	V	400
Power	Kw	0,9-1,5
Cutting speed	m/min	35-70
Weight	kg	345

Cutting capacity mm		
○	0° / 45° / 60°	260 / 200 / 120
□	0° / 45° / 60°	240 / 190 / 115
▢	0° / 45° / 60°	330 x 120 / 200 x 130 / 120 x 100



Standard colours: Red upper part RAL 3002 - Black lower part RAL 7022.
BLUE RAL 5015 on request at an additional cost.

SEMI-AUTOMATIC SAWING MACHINES

ITEM: 280 SA E

Semi-automatic band saw machine.

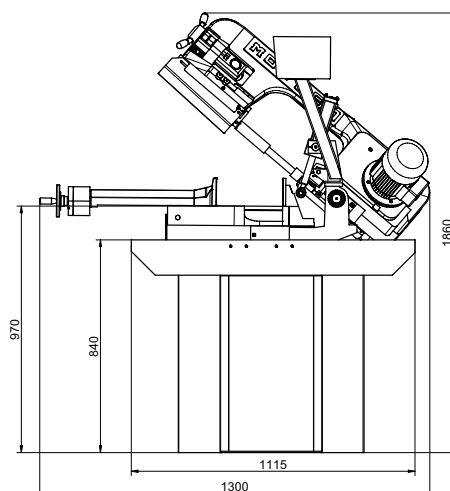
- Cutting capacity up to 60° right
- Blade unit and hydraulic vice
- Touch probe-controlled rapid up / down movement and infinitely adjustable cutting feed
- Rear blade unit lifting cylinder
- Fitted with double cycle start safety button and low voltage electrical system compliant with EC standards
- Can only be supplied with a top control panel
- Two speed three-phase motor

Product Made in Italy

STANDARD ACCESSORIES

- Millimetre scale 0-500 mm with stop block
- Workpiece unloading chute

Tech. Code		N2328280SEM
GR78	Euro	(-)
Band dimension	mm	2450 x 27 x 0.9
Tension	V	400
Power	Kw	0.5 - 0.7
Cutting speed	m/min	35 - 70
Weight	kg	290



Standard colours: Red upper part RAL 3002 - Black lower part RAL 7022.
BLUE RAL 5015 on request at an additional cost.

Cutting capacity mm		
○	0° / 45° / 60°	220 / 160 / 90
□	0° / 45° / 60°	200 / 140 / 90
▢	0° / 45° / 60°	250 x 150 / 140 x 140 / 90 x 90

ITEM: 330 SA E

Semi-automatic band saw machine.

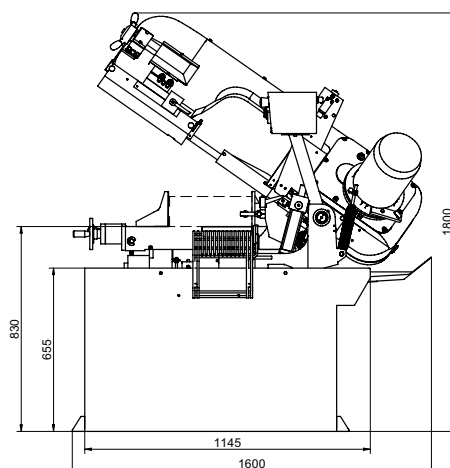
- Cutting capacity of up to 60° right
- Hydraulic blade unit and vice
- Touch probe-controlled rapid up / down movement and infinitely adjustable cutting feed
- Rear blade unit lifting cylinder
- Double cycle start safety button and low voltage electrical system compliant with EC standards
- Can be supplied with a top or bottom control panel (to be specified when placing the order)
- Two speed three-phase motor

Product made in Italy

STANDARD ACCESSORIES

- Millimetre scale 0-500 mm with stop block
- Workpiece unloading chute
- Blade cleaning brush

Tech. Code		N2329330SEM
GR78	Euro	(-)
Band dimension	mm	3010 x 27 x 0.9
Tension	V	400
Power	Kw	0.9 - 1.5
Cutting speed	m/min	35 - 70
Weight	kg	394



Standard colours: Red upper part RAL 3002 - Black lower part RAL 7022.
BLUE RAL 5015 on request at an additional cost.

Cutting capacity mm		
○	0° / 45° / 60°	260 / 200 / 120
□	0° / 45° / 60°	240 / 190 / 115
▢	0° / 45° / 60°	330 x 120 / 200 x 130 / 120 x 100

BENCH GRINDERS 230V

GRIND



ITEM: N3102

Industrial bench grinder Made in Italy, induction motor with thermal bimetallic protection that protects against overloads ensuring a virtually unlimited life of the grinder.
Grinding wheel to be ordered separately.

Tech. Code	GR78 Euro	Grinding wheels mm	Electric motor	RPM	HP	W	Weight kg	Model column
N3102150	185,00	150 x 20 x 20	Single-phase 230V	2800	0,5	375	8	-
N3102200	269,00	200 x 25 x 16/20	Single-phase 230V	2800	0,9	675	16	A1



BENCH GRINDERS 400V

GRIND



ITEM: N3104

Industrial bench grinder Made in Italy, induction motor with thermal bimetallic protection that protects against overloads ensuring a virtually unlimited life of the grinder.
Grinding wheel to be ordered separately.

Tech. Code	GR78 Euro	Grinding wheels mm	Electric motor	RPM	HP	W	Weight kg	Model column
N3104150	307,00	150 x 20 x 16	Three-phase 400 V	2800	0,5	375	11	A1
N3104200	400,00	200 x 25 x 20	Three-phase 400 V	2800	1	750	17	A2



COMBINED BENCH GRINDERS 230V

GRIND



ITEM: N3106

Industrial combined bench grinder (GRINDING WHEEL/BRUSH) Made in Italy, induction motor with thermal bimetallic protection that protects against overloads ensuring a virtually unlimited life of the grinder.
Grinding wheel and brushes to be ordered separately.

Tech. Code	GR78 Euro	Grinding wheels Brushes mm	Electric motor	RPM	HP	W	Weight kg	Model column
N3106150	242,00	150 x 20 x 20 100 x 12 x 12	Single-phase 230 V	2800	0,5	375	7,5	-



COMBINED BENCH GRINDERS 400V

GRIND



ITEM: N3108

Industrial combined bench grinder (GRINDING WHEEL/BRUSH) Made in Italy, induction motor with thermal bimetallic protection that protects against overloads ensuring a virtually unlimited life of the grinder.
Grinding wheel and brushes to be ordered separately.

Tech. Code	GR78 Euro	Grinding wheels Brushes mm	Electric motor	RPM	HP	W	Weight kg	Model column
N3108150	371,00	150 x 20 x 16	Three-phase 400 V	2800	0,5	375	12,1	A1
N3108200	495,00	200 x 25 x 20	Three-phase 400 V	2800	1	750	18,8	A2



POLISHING MACHINES

GRIND



ITEM: N3109

Industrial polishing machines Made in Italy, induction motor with thermal bimetallic protection that protects against overloads ensuring a virtually unlimited life of the grinder.

Brushes to be ordered separately.

Tech. Code	GR78 Euro	Brushes mm	Electric motor	RPM	HP	W	Weight kg	Model column
N3109150	404,00	150 x 20 x 16	Single phase 230 V	2800	0,9	675	15,5	A1
N3109200	594,00	200 x 25 x 20	Three-phase 400 V	2800	1	750	20	A2



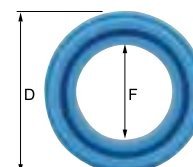
BUSH FOR GRINDING WHEELS

ITEM: N3121

Plastic bush for grinding wheel bore.

Tech. Code	GR76 Euro	D x F mm
N31212012	0,50	20 x 12
N31212013	0,50	20 x 13
N31212016	0,50	20 x 16

Tech. Code	GR76 Euro	D x F mm
N31212520	0,50	25 x 20
N31213220	0,50	32 x 20
N31213225	0,50	32 x 25



COLUMN FOR BENCH GRINDERS



ITEM: N3110

Sturdy column in pressed steel fitter with removable water reservoir for tool cooling.

Tech. Code	GR78 Euro	MODEL	Dimension mm	Hole interaxis mm	Weight kg
N3110A1	171,00	A1	370 x 360 x 790h	145 x 120	26
N3110A2	212,00	A2	400 x 370 x 760h	180 x 130	33
N3110VR	13,00	Cooling tray	-	-	-



ECOLOGICAL BENCH GRINDERS 400V



ITEM: N3116

Industrial bench grinder Made in Italy designed with a view to fully comply with workplace health and safety regulations, complete with column and integrated vacuum system.

Grinding wheels to be ordered separately.

Tech. Code	GR78 Euro	Grinding wheels mm	Electric motor	RPM	HP	W	Weight kg
N3116200	1251,00	200 x 25 x 20	Three-phase 400 V	2800	1	750	57



COMBINED ECOLOGICAL BENCH GRINDERS 400V



ITEM: N3118

Industrial combined bench grinder (GRINDING WHEEL/BRUSH) Made in Italy designed with a view to fully comply with workplace health and safety regulations, complete with column and integrated vacuum system.

Grinding wheel and brushes to be ordered separately.

Tech. Code	GR78 Euro	Grinding wheels Brushes mm	Electric motor	RPM	HP	W	Weight kg
N3118200	1345,00	200 x 25 x 20	Three-phase 400 V	2800	1	750	59,2



ECOLOGICAL POLISHING MACHINES



ITEM: N3120

Industrial polishing machines Made in Italy, designed with a view to fully comply with workplace health and safety regulations, complete with column and integrated vacuum system.

Brushes to be ordered separately.

Tech. Code	GR78 Euro	Brushes mm	Electric motor	RPM	HP	W	Weight kg
N3120200	1430,00	200 x 25 x 20	Three-Phase 400 V	2800	1	750	60,2

On request we can supply machines with engines up to 6 kw for brush units up to 300 mm diameter and control units with low voltage controls. 24 Volts.



BENCH BELT SANDERS

GRIND



ITEM: N3200

Industrial bench belt sanders. Made in Italy. Engine induction with thermal protection bimetallica which protects from any overloading ensuring an almost unlimited process of the sander. Quick substitution of the abrasive belt.

Belts to be ordered separately.

Tech. Code	GR78 Euro	Belt mm	Electric motor	HP	Kw	RPM	m/s	Weight kg
N320003	1056,00	100 x 1000	Three-Phase 400 V	1,5	1,1	2800	19	38



TILTING BELT SANDERS

GRIND



ITEM: N3205

Industrial belt sanders. Made in Italy, double speed engine induction (N320503BT), arm orientated 0° a 360°, pulley drive loader, complete with a low voltage control unit of 24 volts (N320503BT) Emergency stop button. Quick substitution of the abrasive belt.

Belts to be ordered separately

Tech. Code	GR78 Euro	Belt mm	Motor	HP	Kw	RPM	m/s	Weight kg
N320503	1717,00	120 x 1500	Three-Phase 400 V	1,1	0,8	2800	14	87
N320503BT	2072,00	120 x 1500	Three-Phase 400 V	0,8 - 1,1	0,6 - 0,8	1400 - 2800	14 - 28	88



INDUSTRIAL BELT SANDERS

GRIND



ITEM: N3210

Industrial belt sanders. Made in Italy. Designed in the total respect of Health and Safety regulations of the working environment. Intergrated with a complete vacume cleaner. Adjustable double speed drive 0° a 360°, pulley wheel, full control of commands with a low voltage control unit of 24 volts. Emergency stop button. Quick substitution of the abrasive belt.

Belts to be ordered separately.

Tech. Code	GR78 Euro	Belt mm	Electric motor	HP	Kw	RPM	m/s	Weight kg
N321003BT	3023,00	120 x 1500	Three-Phase 400 V	0,8 - 1,1	0,6 - 0,8	1400 - 2800	14 - 28	38



ICONS LEGEND BOSCH



 2 Speed	 Antistatic function	 Tool coupling SDS plus	 Li-Ion technology
 Anti-rotation protection cap	 Ergonomic	 Velcro strap	 Rotation control clutch
 Soft grip	 Charging level indicator	 Metal gear	 Soft start
 Cable length 4 meters	 Auto-Lock	 Quick clamping chuck 1 - 13 mm	 Quick clamping chuck 13 mm
 Brushless motor	 Fluctuation blade	 Orbital fluctuation Ø 1,6 mm	 Electronic motor protection
 Speed selection	 Restart protection	 Overload protection	 Direct cooling
 Quick change direct / rotorbital mode	 Suction system	 Spindle lock	 Flexiclick system
 Precision control	 Constant speed	 Variable speed	 Reduced vibration (EN60745)
 Reduced vibration (EN60745)	 Belt clip/hook	 LED light	 Microfilter
 Electronic cell protection	 Reversible	 Kickback control	 X-LOCK X-Lock system
 Easy-Fit	 Heavy Duty		

**ITEM: GSR 12V-15 PROFESSIONAL**

At just 169 mm, they are the most compact design in their class.

The 2-speed gearbox ensures a powerful 30 Nm when drilling (up to 19 mm) and screwdriving (up to 7 mm). The Bosch Premium lithium-ion technology provides a 400% longer battery life. The Bosch Electronic Cell Protection (ECP) protects the battery against overload, overheating and total discharge. Bosch Hyper Charge: due to the rapid charging process, the batteries are charged to 75% after just half the charge time. No memory effect: the battery can be charged at any time regardless of the charging state, without damaging the cells. Motor brake for precise work when driving rows of screws.

Tech. Code		N402012V
GR25	Euro	199,00
Battery voltage	V	12
No-load speed (speed 1/speed 2)	Rpm	0-350/1,300
Chuck clamping range min./max.	mm	1/10
Max. screw Ø	mm	7
Max. drilling Ø - Steel	mm	10
Max. drilling Ø - Wood	mm	19
Max. hard/soft tightening torque	Nm	30/15
Tightening torque settings		20 + 1
Weight (with battery)	kg	0.95

Included:
2 lithium batteries 2 Ah
Charger GAL 12V-20
L-BOXX inlay

**ITEM: GSR 12V-35 FLEXICLICK**

Cordless screwdriver drill GSR 12V-35 FLEXICLICK, versatile, compact and powerful.

Its FlexiClick system includes four easy to use accessories (10mm drill chuck, lockable bit, right-angle attachment and eccentric attachment) that can be easily combined and adjusted to provide up to eight configurations for maximum flexibility. Its 35 Nm torque and 1,750 rpm makes the tool extremely handy and perfect for working in difficult to reach places.

The brushless motor in combination with the Electronic Motor Protection system offers protection against overload and provides the tool with a longer service life. Compatible with all Bosch 12 V batteries and chargers.

Tech. Code		N405112
GR25	Euro	429,00
Battery tension	V	12
Battery capacity	Ah	3
Battery type		Lithium
No-load speed	Rpm	0-460 / 0-1750
Ø max screws	mm	8
Ø Max. drilling - Wood	mm	32
Ø Max. drilling - Steel	mm	10
Max. hard/soft tightening torque	Nm	20/35
Weight	kg	1

Included:
2 batteries 12V 3 Ah
Quick charger GAL 12V-40
Keyless chuck adapter GFA 12-B
Bit holder adapter GFA 12-X
Angle adapter GFA 12-W
Angle adapter GFA 12-E
Carrying case L-boxx

**ITEM: GSR 12V-35 PROFESSIONAL**

The GSR 12V-35 PROFESSIONAL screwdriver drill is the most compact and offers the best performance in the 12V category. Its extremely compact design and excellent performance-size ratio provides optimum handling, especially when working over head or in tight places. The brushless motor along with the Electronic Motor Protection system prevents overload and ensures a longer tool lifetime. 2 speed, auto-lock, belt clip/hook, bit holder, charging status display, Electronic Cell Protection, LED light, right/left-handed rotation. Compatible with all Bosch Professional 12 Volt batteries and chargers (Professional 12V System line).

Tech. Code		N401212
GR25	Euro	285,00
Battery tension	V	12
Battery capacity	Ah	3
Battery type		Lithium
No-load speed (1 st /2 nd gear)	Rpm	0/460 - 0/1750
Ø max screws	mm	8
Ø Max. drilling - Wood	mm	32
Max. drilling Ø - Steel	mm	10
Tightening torque for hard/elas. coupling max	Nm	20/35
Weight (with battery)	kg	0.95
Tightening torque settings		20 + 1

Included:
2 batteries GBA 12V 3 Ah
Quick charger GAL 12V-40
Carrying case Lboxx



CORDLESS SCREWDRIVER DRILLS 12V



ITEM: M12BDD-202C

This M12 BDD-202C compact drill driver measures 187 mm in length, making it ideal for working within confined spaces. The REDLINK™ electronics protect the tool and the battery pack from overload by monitoring the individual cells. The REDLITHIUM™ battery provides superior pack construction to deliver more run time and longer battery life. 10 mm quick-change keyless metal chuck. Ergonomic handle for better control and improved grip. Flexible 12V battery system works with all Milwaukee M12 batteries.

Tech. Code		N402312
GR25	Euro	220,00
Battery tension	V	12
Battery capacity	Ah	2
Battery type		Li-ion
Battery charging time	min	40
Ø Max. drilling - Wood	mm	22
Ø Max. drilling - Steel	mm	10
Max torque	Nm	30
Quick clamping chuck	mm	10
Speed settings		2
Speed 1	Rpm	0 - 400
Speed 2	Rpm	0 - 1500
Weight (with battery)	kg	1,2

Included:
2 batteries 12V 2 Ah
Battery charger
Carrying case



ITEM: M12 BD-202C

The M12 BD-202C compact cordless drill: with 175 mm length making it ideal for working in confined spaces. REDLINK™ electronics protect the tool and battery against overload by monitoring individual cells. The REDLITHIUM™ battery offers a superior quality battery pack construction ensuring greater efficiency in terms of autonomy and duration. 1/4 " hexagonal connection. Ergonomic handle for better control and a secure grip. 12V platform works with all Milwaukee M12 batteries.

Tech. Code		N402518
GR25	Euro	220,00
Battery tension	V	12
Battery capacity	Ah	2
Battery type		Li-Ion
Ø Max. drilling - Wood	mm	22
Ø Max. drilling - Metal	mm	10
Torque max	Nm	30
Coupling		1/4" Hex
Speed settings		2
Speed 1	Rpm	0-400
Speed 2	Rpm	0-1500
Weight (with battery)	kg	1

Included:
2 batteries 12V da 2 Ah
Battery charger
Case



ITEM: M12 FDD-202X

Screwdriver drill M12 FDD-202X with POWERSTATE™ bushless motor, designed and built by Milwaukee®, capable of delivering more power while remaining intrepidly compact. The intelligent REDLINK PLUS™ system provides advanced digital overload protection for tools and batteries and improves the performance of the tools under load. The REDLITHIUM™ battery offers superior battery pack construction, electronics and consistent performance to provide more autonomy and more work during battery life. Metal spindle 13 mm. Battery charge indicator. Works with all Milwaukee® M12™ batteries.

Tech. Code		N402612
GR25	Euro	364,00
Battery tension	V	12
Battery capacity	Ah	2
Battery type		Li-ion
Battery charging time	min	40
Ø Max. drilling - Wood	mm	35
Ø Max. drilling - Steel	mm	13
Torque max.	Nm	37
Quick clamping chuck	mm	13
Speed settings		2
Speed 1	Rpm	0 - 450
Speed 2	Rpm	0 - 1700
Weight (with battery)	kg	1,2

Included:
2 Batteries 12V da 2 Ah
Battery charger
Heavy Duty carrying case



CORDLESS SCREWDRIVER DRILLS WITH BATTERY PERCUSSION 12V



ITEM: GSB 12V-15 PROFESSIONAL

Screwdriver drill GSB 12V-15 robust, with its only 189 mm, has the most compact shape in its class, for optimal handling especially in drilling and screwing work over head and in tight places. Newly developed 2-speed planetary gears for powerful screwing and drilling applications in wood and metal and for drilling with a hammer in to the wall. Sturdy 10 mm keyless chuck. The practical LED indicating the battery charge level which indicates at any time the available charge status. Electronic Cell Protection (ECP) Bosch protects the battery against overload, overheating and complete discharge. Integrated LED for illuminating the work area, even in poorly lit areas.

Tech. Code		N402112V
GR25	Euro	215,00
Battery tension	V	12
Battery capacity	Ah	2
Battery type		Lithium
No-load speed (1 st /2 nd gear)	Rpm	0-380/1300
Ø max screws	mm	7
Ø Max. drilling - Wood	mm	19
Ø Max. drilling - Steel	mm	10
Ø Max. drilling - Masonry	mm	10
Tightening torque for hard/elas. coupling max	Nm	30/15
Weight (with battery)	kg	1

Included:
2 batteries GBA 12V 2 Ah
Rapid battery charger GAL 12V-20



CORDLESS IMPACT WRENCHES 12V



ITEM: M12 FIWF12-422X

Powerful and compact (124.5 mm long) M12 FIWF12-422X impact wrench. 1/2" drive with friction ring for quick and easy socket changes. The brushless POWERSTATE™ motor delivers more power in a more compact size. The intelligent REDLINK PLUS™ system provides advanced digital overload protection for the tool and battery, vastly improving tool performance under load. The REDLITHIUM™ battery, by monitoring the individual battery cells, optimises the durability and performance of the battery pack to deliver more tool run time. The DRIVE CONTROL™ system allows you to choose between 4 different speed and torque settings, including auto-shut off mode. Works with all Milwaukee M12 batteries.

Tech. Code		N402712
GR25	Euro	507,00
Voltage	V	12
Battery capacity	Ah	1x2Ah - 1x4Ah
Battery type		Li-ion
Battery charging time	min	80
Max. tightening torque	Nm	339
Max. bolt Ø		M16
Impact rate	Bpm	1100/3200
No-load speed	Rpm	1200/2700
Weight	kg	1.1

Included:
Battery 12V 2 Ah
Battery 12V 4 Ah
Battery charger
Heavy Duty carrying case



Related products

WRK GLOVES IN CONTINUOUS POLYESTER WIRE COATED IN POLYURETHANE

Tech. Code	Size	EU size
K23106	S	6
K23107	M	7
K23108	L	8
K23109	XL	9

The products are available in chapter K



CORDLESS SCREWDRIVER DRILLS 18V



ITEM: M18 CBLDD-202C

Compact brushless M18 CBLDD-202C drill driver, 165 mm long for easy access in tight spaces. Heavy-duty 13 mm metal chuck for quick bit changes and superior bit retention. The REDLINK™ electronics protect the tool and the battery pack from overload by monitoring the individual cells. The REDLITHIUM™ battery provides superior pack construction to deliver more run time and longer battery life. Works with all Milwaukee M18 batteries.

Tech. Code		N405818
GR25	Euro	396,00
Voltage	V	18
Battery capacity	Ah	2
Battery type		Li-ion
Battery charging time	min	40
Ø Max. drilling - Wood	mm	52
Max. drilling Ø - Metal	mm	13
Max torque	Nm	60
Quick clamping chuck	mm	13
Speed settings		2
Speed 1	Rpm	0-500
Speed 2	Rpm	0-1800
Weight	kg	1.5

Included:
2 batteries 2 Ah
Battery charger
Carrying case



CORDLESS SCREWDRIVER DRILLS 18V



ITEM: GSR 18V-28 PROFESSIONAL

Screwdriver drill GSR 18V-28 powerful, robust and durable due to Electronic Motor Protection technology that protects the motor from overload and overheating.

The Bosch Electronic Cell Protection system protects the battery against overload, overheating and discharge.

Ergonomic design, comfortable to grip and handle, all metal 13 mm chuck.

20 +1 clutch settings.

Tech. Code		N405418
GR25	Euro	365,00
Battery voltage	V	18
Battery capacity	Ah	4
Battery type		Lithium
No-load speed (speed 1/speed 2)	Rpm	0-500/1900
Max. screw Ø	mm	8
Max. drilling Ø - Wood	mm	38
Max. drilling Ø - Steel	mm	13
Max. hard/soft tightening torque	Nm	63/28
Weight (with battery)	kg	1.49

Included:
2 batteries 18 V 4 Ah
Battery charger GAL 1860 CV
Carrying case L-BOXX



CORDLESS SCREWDRIVER DRILLS BATTERY OPERATED 18V



ITEM: ASCM 18 QM

Cordless screwdrivers battery operated 18V 6 Ah with 4-speed gearbox and electronic torque adjustment. FEIN® Brushless PowerDrive motor and steel transmission gears. Power without compromise for drilling with hole saws in HM up to Ø 25 mm and tapping up to M12. optimal tool also for screwing the self-drilling screws. **QuickIN MAX** quick coupling for quick change of tool spindles.

Possibility of use:

- Drilling of Ø < 4 mm with 4th gear
- Drilling of Ø < 8 mm with 3rd gear
- Tapping up to M12 with 1st gear
- Tightening of wood screws up to Ø 10x400 mm
- Tightening of over 2200 wood screws Ø 5x40 mm with a single charge

The battery charge status can be read directly on the battery.

FEIN® SafetyCell Technology protects the battery against overloads and overheating.

3 year warranty FEIN PLUS® including battery and charger.

Tech. Code		N405018
GR25	Euro	602,00
Battery tension	V	18
Battery capacity	Ah	6
Tool holder accessories coupling		QuickIN MAX
No-load speed (speed 1 / 2)	Rpm	400 / 800
No-load speed (speed 3 / 4)	Rpm	1950 / 3850
Torque max tightening	Nm	90
Chuck	mm	1,5 - 13
Ø Max. drilling - Steel	mm	25
Ø Max. drilling - Wood	mm	50
Tapping		M12
Weight with battery	kg	2,2

Included:
2 batteries 18V 6Ah lithium
Rapid battery charger ALG 80
Drill chuck
Magnetic bit-holder
Handle
Tool case



CORDLESS SCREWDRIVER DRILLS WITH IMPACT FUNCTION 18V



ITEM: GSB 18V-55 PROFESSIONAL

The GSB 18V-55 Professional cordless screwdriver drill is reliable and long lasting due to the integral metal gears and the innovative "Electronic Cell Protection" system that protects the battery against overload, overheating and total discharge. 13 mm keyless chuck.

Tech. Code		N405618
GR25	Euro	379,00
Battery tension	V	18
Battery capacity	Ah	4
Battery type		Lithium
No-load speed (speed 1/speed 2)	Rpm	0-460 / 0-1800
Max hard/soft tightening torque	Nm	55/28
Max. screw Ø	mm	10
Ø Max. drilling - Wood	mm	35
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Masonry	mm	13
Weight with battery	kg	1,6

Included:
2 batteries GBA 18V 4 Ah
Battery charger GAL 18V-40
Carrying case L-BOXX



ITEM: GSB 18V-60 C PROFESSIONAL

Cordless screwdriver drills with percussion GSB 18V-60 C efficient, durable and ergonomic. Excellent results, thanks to the high power and customized tool settings in the App Toolbox. Compatible with «TrackMyTools», the intelligent management system of your Bosch tool park. The Kick-Back Control system offers better user protection, the power tool shuts off in case of sudden rotation around the drilling axes. Designed for heavy duty use, thanks to the EC brushless motor and the sturdy all-metal spindle. Drilling function with integrated percussion, for holes in masonry up to 13 mm. Perfect handling thanks to the reduced length of the head and the new design of the handle.

Tech. Code		N405518
GR25	Euro	585,00
Battery tension	V	18
Battery capacity	Ah	5
Battery type		Lithium
No-load speed (1°/2° gear)	Rpm	0-600/1900
Ø max screws	mm	10
Ø Max. drilling - Wood	mm	38
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Masonry	mm	13
Tightening torque for hard/elas. coupling max	Nm	60/31
Weight with battery	kg	1,9

Included:
2 batteries GBA 18V 5 Ah
Rapid battery charger GAL 18V-40
Case L-BOXX
Module Bluetooth Low Energy



CORDLESS SCREWDRIVER DRILLS 18 V



ITEM: M18 CBLPD-402C

Cordless screwdriver drills M18 CBLPD-402C with 165 mm length for easy access even in tight spaces. 13 mm Heavy Duty metal spindle for quick changeover and better bit retention. The REDLINK™ electronics offers superior battery pack construction, electronics and consistent performance to provide more battery life and work during battery life. 60 Nm of torque - maximum performance, maximum compactness. Works with all Milwaukee® M18™ batteries.

Tech. Code		N405718
GR25	Euro	507,00
Battery tension	V	18
Battery capacity	Ah	4
Battery type		Li-ion
Battery charging time	min	80
Ø Max. drilling - Wood	mm	52
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Masonry	mm	16
Torque max.	Nm	60
Quick clamping chuck	mm	13
Speed settings		2
Speed 1	Rpm	0 - 500
Speed 2	Rpm	0 - 1800
Weight with battery	kg	1,8

Included:
2 Batteries 18V 4 Ah
Battery charger
Case



CORDLESS SCREWDRIVER DRILLS WITH 18V PERCUSSION



ITEM: M18 FPD2-502X

Cordless drill screwdriver with M18 FPD2-502X percussion even more effective under stress - unmatched maximum torque of 135 Nm. Extremely compact: 175 mm in length for working in tight spaces. New Heavy Duty spindle ensures greater retention of the inserts. The POWERSTATE™ brushless motor, designed and built by Milwaukee®, for heavyduty applications. The intelligent REDLINK PLUS™ system provides advanced digital overload protection for tools and batteries, and improves the performance of the tool under load. Works with all Milwaukee® M18™ batteries.

Tech. Code		N405918
GR25	Euro	776,00
Battery tension	V	18
Battery capacity	Ah	5
Battery type		Li-ion
Battery charging time	min	59
Ø Max. drilling - Wood	mm	89
Ø Max. drilling - Steel	mm	16
Ø Max. drilling - Masonry	mm	16
Torque max.	Nm	135
Quick clamping chuck	mm	13
Speed settings		2
Speed 1	Rpm	0 - 550
Speed 2	Rpm	0 - 2000
Weight (with battery)	kg	2,2

Included:
2 Batteries 18V 5 Ah
Battery charger
Heavy Duty carrying case



IMPULSE SCREWDRIVERS 18V



ITEM: M18 FID2-502X

Impulse screwdrivers M18 FID2-502X even more effective under unequaled maximum torque force of 226 Nm. 1/4 " hexagonal connection for quick and easy insertion changes. The highest screwdring speed - up to 3600 rpm and 4300 strokes per minute. Extremely compact: only 117 mm in length for easy access even in rough spaces. The intelligent REDLINK PLUS™ system provides advanced digital overload protection for tools and batteries and dramatically improves tool performance under load. The REDLITHIUM™ battery offers superior quality battery pack construction, electronics and consistent performance for offering more autonomy and more work during the life of the battery. Works with all Milwaukee® M18™ batteries.

Tech. Code		N406318
GR25	Euro	(793,00)
Battery tension	V	18
Battery capacity	Ah	5
Battery type		Li-ion
Battery charging time	min	59
Tightening torque coupling max.	Nm	226
Ø max. bolt		M16
Impact rate	Bpm	0 - 4300
No-load speed	Rpm	0 - 3600
Weight (with battery)	kg	1,7

Included:
2 Batteries 18V to 5 Ah
Battery charger
Heavy Duty carrying case



ITEM: M18 FHIWF12-502X

The M18 FHIWF12-502X FUEL impact wrenches deliver 1356 Nm of tightening torque in a compact size of 213 mm, giving greater access in tight spaces. The DRIVE CONTROL system allows you to choose between four different speed and torque settings for maximum flexibility in various applications. 1/2" drive with friction ring. The brushless POWERSTATE™ motor offers increased power efficiency and durability. The intelligent REDLINK PLUS™ system provides advanced digital overload protection for the tool and battery, improving tool performance under load. The REDLITHIUM™ battery provides superior pack construction to deliver more run time and longer battery life. Works with all Milwaukee M18 batteries.

Tech. Code		N406118
GR25	Euro	920,00
Voltage	V	18
Battery capacity	Ah	5
Battery type		Li-ion
Battery charging time	min	59
Max. tightening torque	Nm	130/1356
Impact rate	Bpm	0-950/ 0-2100
No-load speed	Rpm	0-550/ 0-1750
Weight (with battery)	kg	3.3

Included:
2 batteries 18V 5 Ah
Battery charger
Heavy Duty carrying case



CORDLESS REVERSIBLE SCREWDRIVERS 18V



ITEM: M18 FIW2F12-502X

High performance impact wrenches thanks to the MILWAUKEE® DRIVE CONTROL electronics that allows you to select 4 different speeds and torque settings to ensure maximum versatility in each application, specifically:

- Speed 1: precision work
- Speed 2: allows to prevent and avoid damage to the material
- Speed 3: heavy work
- Speed 4: the tool automatically locks one second after impact, avoiding excessive tightening and therefore damage to the material.

The POWERSTATE™ brushless motor ensures greater durability, efficiency and power.

The REDLINK PLUS™ intelligent system provides advanced digital protection against tool and battery overload, improving tool performance under load.

The REDLITHIUM™ battery offers a superior quality battery pack construction ensuring greater efficiency in terms of autonomy and duration.

Works with all Milwaukee M18 batteries.

Tech. Code		N407118
GR25	Euro	793,00
Battery tension	V	18
Battery capacity	Ah	5
Battery type		Li-ion
Tightening torque coupling max.	Nm	339
Impact rate	Bpm	1000/2400/3500
No-load speed	Rpm	900/1650/2400/1200
Weight (with battery)	kg	1,8

Included:
2 batteries 18V of 5 Amp
Battery charger
Heavy Duty Case



REVISIBLE SCREWDRIVERS HIGH TORQUE 18 V



ITEM: M18 ONE FHIWF1-802X

M18 ONE FHIWF1-802X is the first 1" M18 FUEL™ ONE KEY™ high torque impact wrench capable of replacing corded and pneumatic tools.

DRIVE CONTROL system that allows you to choose between four different speed and torque settings, for maximum flexibility in different applications. It guarantees the repeatability of applications with extreme torque accuracy.

The ONE KEY™ technology allows you to customize the tool according to the application to be carried out, increasing its productivity and also guarantees the remote monitoring of all the tools in the inventory, preventing tampering.

The REDLINK PLUS™ intelligent system provides advanced digital overload protection for tools and batteries, and dramatically improves tool performance under load. The REDLITHIUM™ battery pack offers superior quality battery pack construction, electronics and consistent performance to deliver longer range.

Works with all Milwaukee® M18™ batteries.

Tech. Code		N407018
GR25	Euro	(1332,00)
Battery tension	V	18
Battery capacity	Ah	8
Battery type		Li-ion
Max. tightening torque	Nm	530/1020/1800/2033
Ø max. bolt		M42
Impact rate	Bpm	1350-2500
No-load speed	Rpm	0-1670
Max torque in reverse	Nm	2400
Weight (with battery)	kg	5,9

Included:
2 batteries 18V of 8 Amp
Battery charger
Heavy Duty Case



BAND SAWS COMPACT 18V



ITEM: M18 FBS85-202C

Band saws compact M18 FBS85- with cutting capacity up to 85mm. Blade protection cap adjustable without tools to ensure maximum safety, as well as a blade removal system using a lever to facilitate replacement. Variable speed switch and safety switch. Adjustable support base without tools.

POWERSTATE™ brushless motor for longer life, efficiency and power. The REDLINK PLUS™ intelligent system provides advanced digital protection against overload of tool and battery, improving tool performance under load. Battery REDLITHIUM™ offers superior quality battery pack construction ensuring better efficiency in terms of autonomy and duration.

Works with all Milwaukee M18 batteries.

Tech. Code		N406918
GR25	Euro	(793,00)
Battery tension	V	18
Battery capacity	Ah	2
Battery type		Li-Ion
Cutting capacity of rectangular beams	mm	85
Blade length	mm	898,52
No-load speed	m/min	0-165
Weight (with battery)	kg	3,9

Included:
2 batteries 18V da 2 Ah
Battery charger
Case



BATTERY RATCHETS 12V



ITEM: M12 IR-201B 3/8

Powerful and fast Ratchets M12 IR-201B with a torque of 47 Nm and 250 Rpm. Compact head, ideal for working in confined spaces. Variable speed switch for better control in different types of applications. REDLINK™ electronics protects the tool and battery against overcharging. The REDLITHIUM™ battery offers a superior quality battery pack construction ensuring greater efficiency in terms of autonomy and duration.

Works with all Milwaukee M12 batteries.



Tech. Code		N407318
GR25	Euro	(364,00)
Battery tension	V	12
Battery capacity	Ah	2
Battery type		Li-Ion
Coupling		3/8 square
Handle circumference	mm	45
Torque max	Nm	47
Length	mm	274
Head profile	mm	20
No-load speed	Rpm	0-250
Weight (with battery)	kg	0,9

Included:
1 battery of 2 Amp
Battery charger
Bag

CORDLESS REVERSIBLE SCREWDRIVERS BATTERY OPERATED 20V



ITEM: W5153

Drill screwdrivers 1/2" Impact wrench with a maximum torque of 500 Nm and a torque of 750 Nm.

The IQV series power control system includes 4 modes:

Maximum power, Medium power, Key lock and Manual tightening.

IQV technology with brushless motor and lighting without shadows.

Tech. Code		N409620
GR25	Euro	(864,00)
Battery tension	V	20
Battery capacity	Ah	2,5 / 5,0
Battery type		Lithium
Torque max	Nm	500
No-load speed/min.	Rpm	2100
Square drive	Inch	1/2
Strokes/min.	Bpm	3300
Length	mm	183
Noise level	Db(A)	90
Vibration (with battery BL 2012)	m/s²/K	12,6/1,7
Vibration (with battery BL 2022)	m/s²/K	16,1/2,6
Weight (with battery BL 2012)	kg	2,1
Weight (with battery BL 2022)	kg	2,4

Included:
Battery charger of 12/20 V
Lithium-ion batteries
BL2012 (2,5 Ah)
BL2022 (5 Ah)
Case



CORDLESS REVERSIBLE SCREWDRIVERS BATTERY OPERATED 20V



ITEM: W7152EU-K22

Drill screwdrivers 1/2" Impact wrench with a maximum torque of 1.360 Nm and a torque of 2033 Nm. The IQV series power control system includes 4 modes: Maximum power, Medium power, Key lock and Manual tightening. IQV technology with brushless motor and lighting without shadows.

LED light ring with 4 intensity settings.

Tech. Code		N410120
GR25	Euro	(897,00)
Battery tension	V	20
Battery capacity	Ah	5
Battery type		Lithium
Torque max	Nm	1360
No-load speed/min	Rpm	1900
Square drive	Inch	1/2
Strokes/min.	Bpm	2450
Length	mm	207
Noise level	Db(A)	95
Vibration	m/s²/K	17/3,7
Weight (with battery)	kg	3,4

Included:
Battery charger of 12/20 V
2 Lithium-ion batteries
BL2022 (5 Ah)
Case



CORDLESS ROTARY HAMMER DRILLS 18 V



ITEM: GBH 18V-20

The GBH 18V-20 is the entry-level tool in the SDS plus cordless rotary hammer drill category. Provides reliable performance in standard applications. It features robust components and is extremely easy to maintain due to its replaceable carbon brushes. This tool is intended for drilling and chiselling work in concrete masonry, wood, and metal. Compatible with all Bosch Professional 18 V batteries and chargers (Professional 18V System line).

Tech. Code		N406718VN
GR25	Euro	(529,00)
Battery tension	V	18
Stroke power	J	2
Impact rate at rated speed		0 - 5100
Rated speed	Rpm	0 - 1800
Tool coupling		SDS-plus
Ø concrete hole with hammer drills	mm	4-21
Application range - concrete with impact drill bits	mm	6-10
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Wood	mm	30

Included:
2 GBA batteries 18V 4 Ah
Battery charger
Machine cloth
Depth bushing
Carrying case L-BOXX



CORDLESS ANGLE GRINDER BATTERY OPERATED 18V



ITEM: GWS 18V-10 PROFESSIONAL

GWS 18V-10 angle grinder with high stock removal and cutting capacity in its class. Restart Protection for protection against accidental restart, Kickback Control protect against Kickbacks. Drop Control to switch off the motor if the machine falls. New generation brushless motor.

Tech. Code		N407418
GR25	Euro	(489,00)
Battery tension	V	18
Battery capacity	Ah	4
Battery type		Lithium
No-load speed/min.	Rpm	9000
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Threaded shaft coupling		M14
Weight (with battery)	kg	2,8

Included:
2 batteries GBA 18V 4 Ah
Rapid battery charger GAL 18V-40
Carrying case L-BOXX
Protective cap
Tightening nut
Clamping flange



IMPULSE SCREWDRIVERS BATTERY OPERATED 18V

ITEM: M18 ONE FHIWF34-502X

Compact size high torque impact wrench. DRIVE CONTROL system allows you to select 4 different speed and torque setting modes. Possibility of repeating applications with extreme torque accuracy. 3/4" square drive with friction ring. The KEY™ technology allows you to customize the tool according to the application to be carried out, increasing its productivity and also guarantees remote, monitoring of all tools in the inventory, preventing tampering. The REDLINK PLUS™ intelligent system provides protection advanced digital overload protection for tools and batteries, and dramatically improves tool performance under load. The REDLITHIUM™ battery offers superior quality battery pack construction, electronics and consistent performance to deliver longer range. Works with all Milwaukee® M18™ batteries.

Tech. Code		N407618
GR25	Euro	(1031,00)
Battery tension	V	18
Battery capacity	Ah	5
Battery type		Li-ion
Max. tightening torque	Nm	702/1138/1627/1627
Ø max. bolt		M33
Impact rate	Bpm	0-850/0-1850/0-2400
No-load speed	Rpm	0-800/0-1300/0-1800/0-1800
Max torque in reverse	Nm	2034
Weight (with battery)	kg	3,5

Included:
2 batteries 18V 5 Ah
Battery charger
Heavy Duty Case



MITER SAWS BATTERY OPERATED 12V



ITEM: M12 FCOT-422X

Multi-material mini-miter saws guarantee precise cuts up to 20.000 rpm. Compact and optimized for one handed use. Versatile for cutting steel, stainless steel, non ferrous materials, plasterboard, fiber cement, plastic and ceramic. The REDLINK PLUS™ intelligent system provides advanced digital overload protection for tools and batteries, and dramatically improves tool performance under load. The REDLITHIUM™ battery offers superior quality battery pack construction, electronics, and consistent performance to deliver more range. Works with all Milwaukee M12™ batteries.



Tech. Code		N407718
GR25	Euro	(475,00)
Battery tension	V	12
Battery capacity	Ah	4 Ah/2 Ah
Battery type		Li-ion
Bore	mm	10
Disc diameter	mm	76
Cutting depth max	mm	16,3
No-load speed	Rpm	20.000
Weight (with battery)	kg	1,1

Included:
1 battery 12V 4 Ah + 1 battery 12V 2 Ah
Battery charger
Heavy Duty case

IN LINE SCREWDRIVERS 4V

ITEM: M4 D

Compact 244 mm screwdriver. Tool suitable for small screwdriving on metal that require little power, typically assemblies. Extremely accurate 8% clutch. Two speeds for screwing and drilling. Electronic switch with variable speed 1/4" hexagonal shank.



Tech. Code		N407804V
GR25	Euro	189,00
Battery tension	V	4
Capacity	Ah	2
Battery type		Li-ion
No-load speed (1°/2°vel.)	Rpm	0-200/0-600
Tightening torque coupling max.	Nm	5
Weight (with battery)	kg	0,5

Included:
Battery Charger

ROTARY HAMMERS BATTERY OPERATED 18V

ITEM: M18 BLHX-502X

Powerful cordless rotary hammers with compact ergonomic design. FIXTEC™ system for keyless spindle change (SDS plus coupling). 4 operating modes: rotary percussion, chisel rotation and neutral position for chisel orientation. Anti-vibration side handle. Metal gearbox for maximum strength. The REDLINK PLUS™ intelligent system provides advanced digital overload protection for tools and batteries, and dramatically improves tool performance under load. The REDLITHIUM™ battery offers superior quality battery pack construction, electronics, consistent performance to deliver more range. Works with all Milwaukee® M18™ batteries.



Tech. Code		N407918
GR25	Euro	(793,00)
Battery tension	V	18
Battery capacity	Ah	5
Stroke power	J	2,3
percussion frequency (strokes / min)		0-5100
No-load speed	Rpm	0-1400
Capacity max wood drilling	mm	26
Capacity max metal drilling	mm	13
Capacity max concrete drilling	mm	26
Vibration drilling	m/s²	8.9
Vibration chisel	m/s²	9.5
Weight (with battery)	kg	3,5

Included:
2 batteries 18v 5 Ah
Battery charger
Heavy Duty case

CORDLESS ANGLE GRINDERS BATTERY OPERATED 18V



ITEM: M18 FSAG125XB-502X

Cordless Angle Grinders M18 FSAG125XB-502X equipped with Brushless motor POWERSTATE™ new generation electric REDLINK PLUS™ battery REDLITHIUM™ offers superior performance and durability, power equal to 1200 W. System RAPIDSTOP™ capable of braking the disc in less than 2 seconds, for added safety. Small head size and optimized battery housing: maximum handling. Ergonomic side handle and AVS anti-vibration. FIXTEC™ system for tool-free disc replacement. Removable dust grids to protect the motor from abrasive dust and quick release cap that allows maximum cutting capacity and quick adjustment. Protection against accidental restart. Compatible with all MILWAUKEE® M18™ batteries.



Tech. Code		N404818
GR25	Euro	809,00
Battery tension	V	18
Battery capacity	Ah	5
Battery type		Li-Ion
Battery charging time	min.	59
No-load speed/min.	Rpm	8500
Ø Disc	mm	125
Cutting depth max.	mm	33
Threaded shaft coupling		M14
Accidental restart lock		Si
Weight (with battery)	kg	2,7

Included :
2 batteries M18 5 Ah
Battery charger M12-18 FC
HeavyDuty case

ITEM: M18 FHSAG125XPDB-552X

Cordless angle grinder HIGH OUTPUT™ guarantees the power needed to make up to 145 cuts per load on raceways. The POWERSTATE™ brushless motor guarantees maximum performance and durability. REDLINK PLUS™ electronics offer advanced overload protection. The REDLITHIUM™ HIGH OUTPUT™ battery pack exponentially increases the yield of the individual cells to ensure a result that is absolutely comparable to that of a wire tool. Non-locking paddle switch with protection against accidental restart. Anti-vibration side handle. FIXTEC™ attachment that allows you to change the blade without using any tools. Removable anti-dust grids.



Tech. Code		N406818
GR25	Euro	(967,00)
Battery tension	V	18
Cutting depth max.	mm	33
No-load speed/min	Rpm	9000
Ø Disc	mm	125
Threaded shaft coupling		M14
Battery type		Li-Ion
Accidental restart lock		Yes
Battery capacity	Ah	5,5
Kickback protection		Yes
Switch type		Paddle
Weight (with battery)	kg	3,4

Included:
2 batteries 18 V 5,5 Ah
Battery charger
Heavy Duty Case

LITHIUM BATTERIES

Tech. Code	GR25 Euro	Battery tension V	Ah
N4080122	62,00	12	2
N4080124	109,00	12	4
N4080185	205,00	18	5



BATTERY CHARGER

Tech. Code	GR25 Euro	Battery tension V	Supplier art.
N408112/18	94,00	12 - 18	M12-18 C



LITHIUM BATTERIES



Tech. Code	GR25 Euro	Battery tension V	Ah
N409012	65,00	12	2
N409012/3	79,00	12	3
N409018/4	129,00	18	4



PROCORE BATTERIES



The batteries are 100% compatible with all new and existing Bosch 18V power tools and battery chargers. 87% more power compared to standard batteries due to the latest cell technology that provides superior and intelligent heat management. 135% longer life with the Coolpack 2.0 technology that prevents the battery from overheating.

Tech. Code	GR25 Euro	Battery tension V	Ah
N409118/4PRO	129,00	18	4
N409118/8PRO	219,00	18	8
N409118/12PRO	309,00	18	12



LITHIUM CELL BATTERY CHARGERS



Tech. Code	GR25 Euro	Battery tension V	Supplier item
N409518	89,00	12 - 18	GAX 18V-30



BATTERIES 20V



ITEM: BL2022

The BL2022, 5 Ah has the same weight and the same dimensions as its 3 Ah predecessor, but guarantees a longer operating time of 68%. Ergonomics: patent-pending two-sided button designed for easier battery installation. Durability: The Intelligent management system (BMS) allows the battery to communicate with the tool and the charger to provide triple battery protection, to avoid overloads and to check the charge / discharge status to ensure a longer useful life of the tool and battery.

Tech. Code	GR25 Euro	Battery tension V	Battery capacity Ah	Weight kg
N409820	(255,00)	20	5	0,72



BATTERY CHARGER 20V



ITEM: BC1121-EU

Versatility: A charger for all Ingersoll Rand batteries, compatible with all existing 20 V and 12 V IR batteries, can charge USB mobile devices. Durability: The composite housing is hard wearing, resistant to abrasion and falls, it can also be fixed with screws to walls or tool boxes.

Tech. Code	GR25 Euro	Battery tension V
N409920	(135,00)	12/20



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GENERAL CATALOGUE

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The MILWAUKEE items included in our LINK22 catalogue are ready to be delivered in 24 h.

www.linkindustrialtools.com
info@linkindustrialtools.it

ELECTRIC REVERSIBLE DRILLS



ITEM: GBM 10 RE PROFESSIONAL

Supply voltage 230 Volt, powerful and compact, electronic control for a precise initial drilling phase. Auto-locking metal chuck for high precision and long service life, with anti-loosening safety screw during left-hand rotation, handle with Softgrip coating for a secure and comfortable grip, practical belt clip attachment, 43 mm collar Ø for use on a column support.

Tech. Code		N4100600/1
GR25	Euro	169,00
Power	W	600
No-load speed	Rpm	0-2600
Threaded shaft coupling		3/8"
Chuck	mm	10
Ø Max. drilling - Steel	mm	10
Ø Max. drilling - Aluminium	mm	10
Ø Max. drilling - Wood	mm	25
Weight	kg	1,7

Included:
Keyless chuck
Dimension: 249 x 194 h mm



ITEM: GBM 13-2 RE PROFESSIONAL

Supply voltage 230 Volt, powerful and accurate, fully equipped with ball and roller bearings for long service life and precise work, pre-set number of revolutions with setting wheel. Auto-locking metal chuck for high precision and long service life, with anti-loosening safety screw during left-hand rotation, 43 mm collar Ø for use on a column support.

Tech. Code		N4103750/1
GR25	Euro	359,00
Power	W	750
No-load speed	Rpm	0-1000/3200
Threaded shaft coupling		1/2 UNF
Chuck	mm	1,5-13
Ø Max. drilling - Steel	mm	13/8
Ø Max. drilling - Aluminium	mm	20/12
Ø Max. drilling - Wood	mm	32/20
Weight	kg	2,4

Included:
Auxiliary handle
Depth stop 210 mm
Keyless chuck high precision

Dimension: 332 x 208 h mm



ELECTRIC REVERSIBLE DRILLS

ITEM: BOP 6

Compact drills with optimal Rpm for small diameter holes. FEIN® high-performance motor with variable speed, right and left rotation. Equipped with SUPRA SKE steel quick-release chuck and Sensitiv handle FEIN®. 5 meter cable.

Tech. Code		N410206
GR82	Euro	326,00
Power supply	V	230 - 50 Hz
Power	W	500
No-load speed	Rpm	0 - 4000
Threaded shaft coupling		1/2 20 UNF
Chuck	mm	0,5 - 10
Ø Max. drilling - Steel	mm	6
Ø Max. drilling - Aluminium	mm	10
Ø Max. drilling - Wood	mm	20
Weight	kg	1,7

Included:
Chuck
Handle



ITEM: BOP 10

Compact variable speed drills with high Rpm stability, suitable for holes in steel up to 10 mm. FEIN® high-performance motor with right and left rotation. Equipped with SUPRA SKE steel quick-release chuck and FEIN® Sensitiv handle. 5 meter cable.

Tech. Code		N410410
GR82	Euro	326,00
Power supply	V	230 - 50 Hz
Power	W	500
No-load speed	Rpm	0 - 1500
Threaded shaft coupling		1/2 20 UNF
Chuck	mm	1,5 - 13
Ø Max. drilling - Steel	mm	10
Ø Max. drilling - Aluminium	mm	15
Ø Max. drilling - Wood	mm	30
Weight	kg	1,8

Included:
Chuck
Handle



REVERSIBLE DRILLS

ITEM: BOP 13-2

Universal drills with two-speed mechanical gearbox for holes up to 13 mm in steel and stainless steel. FEIN® high-performance motor with variable speed, right and left rotation. Equipped with SUPRA SKE steel quick-release chuck and FEIN® Sensitiv handle. 5 meter cable.

Tech. Code		N410513
GR82	Euro	(416,00)
Power supply	V	230 - 50 Hz
Power	W	550
No-load speed	Rpm	0 - 680/2200
Threaded shaft coupling		1/2 20 UNF
Chuck	mm	1,5 - 13
Ø Max. drilling - Steel	mm	13/10
Ø Max. drilling - Aluminium	mm	16/10
Ø Max. drilling - Wood	mm	37/27
Weight	kg	2

Included:
Chuck
Handle



ELECTRIC REVERSIBLE ANGLED DRILLS



ITEM: GWB 10 RE PROFESSIONAL

Supply voltage 230 Volt, slender cylindrical body, small angular size (only 23 mm) and very low height thanks to the cashed chuck. Pre-set number of revolutions with speed setting wheel, chuck rack.

Tech. Code		N4109400ANG
GR25	Euro	475,00
Power	W	400
No-load speed	Rpm	0-1300
Chuck	mm	10
Ø Max. drilling - Steel	mm	10
Ø Max. drilling - Aluminium	mm	12
Ø Max. drilling - Wood	mm	22
Weight	kg	1,7

Included:
Rack and pinion chuck
Dimension: 298 x 76 h mm



ELECTRIC REVERSIBLE IMPACT DRILLS



ITEM: GSB 13 RE PROFESSIONAL

Percussion drill GSB 13 RE extremely easy to handle and only 1,8 Kg heavy. Softgrip for a safer grip and more comfortable, robust, self-locking chuck with two metal bushes for a quick tool change. Preselection of the speed with adjustment wheel, clock-wise and anti-clock wise.

Tech. Code		N4111600P/1
GR25	Euro	109,00
Power	W	600
No-load speed	Rpm	0 - 2800
Impact frequency at no-load/min.		0 - 44800
Threaded shaft coupling		1/2 UNF
Chuck	mm	13
Ø Max. drilling - Concrete	mm	13
Ø Max. drilling - Masonry	mm	15
Ø Max. drilling - Steel	mm	10
Ø Max. drilling - Wood	mm	25
Weight	kg	1,8

Included:
Extra handle
Depth limiter 210 mm
Keyless chuck 13 mm
Dimension: 266x180h mm



ITEM: GSB 16 RE PROFESSIONAL

Supply voltage 230 Volt, compact and handy with sturdy metal gear housing, pre-set number of revolutions with setting wheel. Auto-locking metal chuck with Auto-Lock for quick one-handed tool changes, handle with Softgrip coating for a secure and comfortable grip, ball coupling of the cable to prevent breakage and improve operation, 43 mm collar Ø for use also on a column support.

Tech. Code		N4110750P/1
GR25	Euro	199,00
Power	W	750
No-load speed	Rpm	0-2800
Impact frequency at no-load/min.		0-47600
Threaded shaft coupling		1/2 UNF
Chuck		13
Ø Max. drilling - Concrete	mm	16
Ø Max. drilling - Masonry	mm	18
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Wood	mm	30
Weight	kg	2,2

Included:
Auxiliary handle
Depth stop 210 mm
Plastic case
Dimension: 285 x 214 h mm



REVERSIBLE ELECTRIC IMPACT DRILLS



ITEM: GSB 20-2 RE

Supply voltage 230 V. The GSB 20-2 RE Professional is a versatile 2-speed impact drill with a KickBack Control function for greater user protection in more complex drilling applications. The powerful 850 Watt motor ensures a very high workflow. This impact drill is designed for drilling concrete, stone and masonry. It is fitted with a sturdy metal gear housing to ensure greater durability. Autolock, overload clutch and speed selector included.

Tech. Code		N4121850P/1
GR25	Euro	255,00
Power	W	850
No-load speed	Rpm	0-1000 / 3000
Impact rate at no-load speed/bpm		0-17000 / 51000
Threaded shaft coupling		1/2" - 20 UNF
Chuck	mm	13
Ø Max. drilling - Concrete	mm	18/13
Ø Max. drilling - Masonry	mm	20/15
Max. drilling Ø - Steel	mm	13/8
Ø Max. drilling - Wood	mm	40/25
Min/max chuck clamping range	mm	1.5 / 13
Max torque	Nm	36 / 15.5
Weight	kg	2.6

Included:
Keyless chuck 13 mm
Auxiliary handle
Depth stop 210 mm
Carrying case L-case



ITEM: GSB 21-2 RCT PROFESSIONAL

Supply voltage 230 Volt, powerful and suitable for the most demanding applications, Constant Electronic for constant rpm even when under load, Torque Control for rotation power pre-selection, mechanical anti-rotation and anti-overload clutch. Auto-locking metal chuck with Auto-Lock for quick one-handed tool changes, handle with Softgrip coating for a secure and comfortable grip, ball coupling of the cable to prevent breakage and improve operation, 43 mm collar Ø for use also on a column support.

Tech. Code		N41221300P/1
GR25	Euro	325,00
Power	W	1300
No-load speed		0-900/3000
Impact frequency at no-load/min. (1°/2° speed)		0-15300/51000
Threaded shaft coupling		1/2 UNF
Chuck	mm	13
Ø Max. drilling (1°/2° speed) - Concrete	mm	22/13
Ø Max. drilling (1°/2° speed) - Brickwork	mm	24/16
Ø Max. drilling (1°/2° speed) - Steel	mm	16/10
Ø Max. drilling (1°/2° speed) - Wood	mm	40/25
Weight	kg	2,9

Included:
Auxiliary handle
Depth stop 210 mm
Plastic case
Dimension: 355 x 220 h mm



Related products

PROTECTIVE EYEWEAR

Tech. Code	Filter	Grade	Optical Class
K4120100	2C - UV plus Filter	1.2 - Clear lens	Class 1



The products are available in chapter K

ELECTRIC SDS PLUS REVERSIBLE ROTARY HAMMERS



ITEM: GBH 2-26 PROFESSIONAL

Supply voltage 230 Volts, compact and balanced thanks to its "L" shape, system for quick replacement of the SDS Plus coupling with auto-locking chuck. Stepless adjustment of the number of revolutions for a more sensitive drilling start, impact stop for drilling steel and wood and rotation stop for chiselling. Safety clutch against overload, Vibration Control for effective vibration reduction, handle with Softgrip coating for a secure and comfortable grip, ball coupling of the cable to prevent breakage and impediments.

Tech. Code		N4133790M/1
GR25	Euro	256,00
Power	W	830
Rated speed	Rpm	0 - 900
Max stroke power	J	2,7
Impact frequency at no-load/min.		0-4000
Chuck tool coupling		SDS plus
Ø Max. drilling - Concrete with SDS drills	mm	4 - 26
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Wood	mm	30
Hollow crowns for drilling masonry	mm	68
Weight	kg	2,9

Included:
Auto-locking chuck
Quick-change 13mm
Auxiliary handle
Depth stop 210 mm
Plastic case
Dimension: 354 x 233 h mm



ITEM: GBH 2-28 F PROFESSIONAL

Maximum drilling progress and chiselling performance in its class. Operation increased as much as 25% compared to other rotary hammers in its class, provides greater convenience. 27% vibration reduction compared to the previous model thanks to the active cushioning of vibrations. Replaceable chuck for quick passage from impact drilling in concrete to drilling without impact in wood and metal. Adjustable brush holder to guarantee the same power in right and left-hand rotation. Safety clutch for user and tool protection. Reversibility (right and-left hand rotation) for freeing blocked bits.

Tech. Code		N4130800M/1
GR25	Euro	375,00
Power	W	880
Stroke power	J	3,2
Impact frequency at no-load/min.		0 - 4000
Rated speed	Rpm	0 - 900
Tool coupling		SDS-plus
Ø Drilling - Concrete with hammers drills	mm	4 - 28
Ø Max. drilling - Brickwork with hollows crowns for drilling	mm	68
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Wood	mm	30
Weight	kg	3,1

Included:
Case
Auxiliary handle
Depth stop 210 mm
Chuck SDS Plus
Auto-locking chuck 13 mm
Dimension: 402 x 216 h mm



ELECTRIC SDS PLUS REVERSIBLE ROTARY HAMMERS



ITEM: GBH 3-28 DFR PROFESSIONAL

Supply voltage 230 Volt, compact and balanced thanks to its "L" shape, system for quick replacement of the SDS Plus coupling with auto-locking chuck. Stepless adjustment of the number of revolutions for a more sensitive drilling start, impact stop for drilling steel and wood and rotation stop for chiselling. Safety clutch against overload, Vibration Control for effective vibration reduction, handle with Softgrip coating for a secure and comfortable grip, ball coupling of the cable to prevent breakage and impediments.

Tech. Code		N4140800M/2
GR25	Euro	499,00
Power	W	800
Rated speed	Rpm	0-900
Max stroke power	J	3,1
Impact frequency at no-load/min.		0-4000
Chuck tool coupling		SDS plus
Ø Max. drilling - Concrete with SDS drills	mm	28
Ø Max. drilling - Brickwork with hollow crowns	mm	82
Ø Max. drilling - Steel	mm	13
Ø Max. drilling - Wood	mm	30
Weight	kg	3,6

Included:
Auto-locking chuck
Quick-change 13mm
Auxiliary handle
Depth stop 210 mm
Plastic case
Dimension: 354 x 233 h mm



ELECTRIC SDS MAX ROTARY HAMMERS



ITEM: GBH 5-40 DCE PROFESSIONAL

Supply voltage 230 Volt, powerful multi-purpose, variable adjustment of number of revolutions and strokes for optimum power, CONSTANT ELECTRONIC for constant rpm even under load. TURBO POWER with automatic insertion for increased power and high material removal, safety clutch against overload, VIBRATION CONTROL for effective vibration reduction. Start switch with lock for effortless chipping work, Vibration Control for effective vibration reduction, handle with Softgrip coating for a secure and comfortable grip, ball coupling of the cable to prevent breakage and impediments.



Tech. Code		N41431150M/1
GR25	Euro	909,00
Power	W	1150
Rated speed	Rpm	170-340
Max stroke power	J	8,8
Impact frequency at no-load/min.		1500-3050
Chuck tool coupling		SDS max
Ø Max. drilling - Concrete with SDS drills	mm	40
Ø Max. drilling - Concrete with hollow crowns	mm	90
Weight	kg	6,8

Equipment:
Auxiliary handle
Grease tube
Cloth
Plastic case
Dimension: 485 x 260 h mm

ELECTRIC PORTABLE TAPPING MACHINES

ITEM: GWP 10

Portable tappers with reverser gear that allows automatic reversal of the direction of rotation by extracting the male from the threaded hole, rapid return at 680 rpm for very fast operating cycles. FEIN® high-performance motor with stable number of revolutions even in the most demanding jobs. FEIN® metal head and Sensitiv handle. Chuck to be ordered separately.



Tech. Code		N416010
GR82	Euro	725,00
Power supply	V	230 - 50 Hz
Power	W	450
No-load speed left	Rpm	0 - 1000
Rpm during tapping	Rpm	0 - 450
Rpm during extraction of taps	Rpm	0 - 680
Tapping on steel		M 10
Shaft coupling		B 12
Weight	kg	1,6

Supplied with:
Handle
Machine supplied without chuck, demonstration image.

CHUCKS FOR PORTABLE TAPPING MACHINES

ITEM: 63206019009

Self-centering chucks for portable tapping machines.

Tech. Code		N416210
GR82	Euro	103,00
For taps	DIN 371 / 376	M3 - M10
Clamping range	mm	2 - 8,1
Morse taper		B 12

Supplied with:
Key



XLOCK

FITTING



Centre the disc



Push it until it clicks



Pull the lever



Remove the disc

REMOVING



ANGLE GRINDERS



ITEM: GWX 9-125S X-LOCK

The corded GWX 9-125S angle grinder is the most compact and powerful in the 900W category. The patented innovative keyless X-LOCK click system enables fast and convenient accessory changes. The speed pre-selection feature produces perfect working results in a variety of materials. The anti-rotation guard protects the user if the grinding disc breaks. Fitted with restart protection system.

Tech. Code		N42379125
GR25	Euro	170,00
Power	W	900
No-load speed	Rpm	2800 - 11,000
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Weight	kg	2.1

Included:
Auxiliary handle
Protective guard



ITEM: GWS 17-125S X-LOCK

The compact GWS 17-125S XLOCK angle grinder offers high performance and extreme durability in industrial applications. The powerful 1700 W motor with Constant Electronics and speed selection allows a very high workflow. The patented innovative keyless X-LOCK click system enables fast and convenient accessory changes. The KickBack Control function, auxiliary Vibration Control handle, direct motor cooling, overload and accidental restart protection provide the user with greater protection.

Tech. Code		N423817125
GR25	Euro	330,00
Power	W	1700
No-load speed	Rpm	2800 - 11,500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Weight	kg	2.5

Included:
Auxiliary Vibration Control handle
Protective guard



ELECTRIC ANGLE GRINDERS



ITEM: GWS 750 PROFESSIONAL

Supply voltage 230 Volt, lightweight and easy to handle, chuck lock for easy wheel change, safety switch to prevent accidental starting. Gear head rotatable in steps of 90°, adjustable grinding wheel guard with axial safety lock and extra handle for both right and left-hand use. Equipped with the RESTART PROTECTION, protection against the restarting in case of power interruption.

Tech. Code		N4205115
GR25	Euro	80,00
Power	W	750
No-load speed	Rpm	11000
Ø Grinding wheels	mm	115
Ø Pad	mm	115
Ø hole brushes max	mm	70
Threaded shaft coupling		M 14
Weight	kg	1,8

Included:
Mounting flange
Protection cap
Clamping nut
Dual hole wrench
Dimension: 263 x 104 h mm



Tech. Code		N4200RIC
GR76	Euro	15,21
SPARE PARTS		Brushes (pair) 1607014145

ELECTRIC ANGLE GRINDERS



ITEM: WSG 7-115

Compact and handy angle grinders for simple cutting and sanding work. Lateral switch and small handle, metal head rotating in 90 °steps to work even in very tight spots. Increased security thanks to the integrated restart interlock device. Lock button of the tool holder shaft.

Tech. Code		N4203115
GR82	Euro	87,00
Power supply	V	230 - 50 Hz
Rated power consumption	W	760
No-load speed	Rpm	12500
Ø Grinding wheels	mm	115
Ø Pad	mm	115
Ø hole brushes max	mm	70
Threaded shaft coupling		M 14
Weight	kg	1,7

Included:
Protection cap
Pair of flanges
Handle
Key



ELECTRIC ANGLE GRINDERS



ITEM: GWS 9-115/125 PROFESSIONAL

GWS 9-115 / 125 S Angle grinders powerful and ergonomic. Long life, thanks to the motors with direct cooling, protection against overload and long life of the brushes. Suitable for processing all materials thanks to the adjustable speed. Perfect control thanks to the optimized weight, only 1.9 kg and the smallest handle in its class (187 mm).

Tech. Code		N4210125
GR25	Euro	125,00
Power	W	900
No-load speed	Rpm	2800 - 11000
Ø Grinding wheels	mm	115/125
Ø Pad	mm	115/125
Ø Hole brushes	mm	70
Threaded shaft coupling		M14
Weight	kg	1,9

Included:
Mounting flange
Protection cap
Clamping nut
Vibration Control handle
Dual hole wrench
Dimension: 284 x 102 h mm



Tech. Code		N4200RIC5
GR76	Euro	(8,67)
SPARE PARTS		Brushes (pair) 1619P11715

ANGLE GRINDERS

ITEM: AG 800 E

Grinders with powerful 800w motor and extremely light. Compact design, slim body. Protection against accidental restart. Steel gears for maximum durability. Protected air intakes for better cooling.

Tech. Code		N4207115
GR25	Euro	94,00
Power	W	800
No-load speed	Rpm	11500
Ø Grinding wheels	mm	115
Ø Pad	mm	115
Ø hole brushes max	mm	70
Threaded shaft coupling		M14
Weight	kg	2

Included:
Side handle
Flange
Flange key
Protective cover



ITEM: AG 10-125 EK

AG 10-125 EK grinder, powerful 1000 W motor for high performance. Compact design: only 276 mm in length and 2.1 kg in weight for greater maneuverability. Protection against accidental restart (LLO). Resistant adjustable protective cover without tools, slide switch, 4 meter cable.

Tech. Code		N4208125
GR25	Euro	151,00
Power	W	1000
No-load speed	Rpm	11000
Variable speed		No
AVS (Anti-Vibration-System)		No
Accidental restart lock		Yes
Ø Disc	mm	125
Threading shaft coupling		M14
Weight	kg	2,1

Included:
Side handle
Flange
Flange wrench
Adjustable protection cover without tools



ANGLE GRINDERS

ITEM: CG 10-125

Angle grinders compact and handy for cutting, deburring and sanding jobs. 90° rotatable head for a wide range of applications. Quick-release disc lock ring as standard allows you to change abrasives without the need for tools. High overload capacity thanks to direct motor cooling.

Tech. Code		N4213125
GR82	Euro	(108,00)
Power supply	V	230 - 50 Hz
Rated power consumption	W	1000
No-load speed	Rpm	11.000
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Ø hole brushes max	mm	70
Threaded shaft coupling		M14
Weight	kg	2,1

Included:
Protective cap
Pair of flanges
Handle
Key



ANGLE GRINDERS

ITEM: AGV13-125 XE

Powerful 1250 W PROTECTOR-MOTOR with epoxy resin coated windings for greater durability and maximum resistance to abrasive dust. Power supply 230V, powerful and compact. Constant power and speed under load. Accidental restart protection (LLO). Protection against overheating. Overload clutch to protect the user in case the disc jams. New integrated Milwaukee FIXTEC™ system for fast and tool-less disc changes. Durable tool-free protective cover. Anti-Vibration handle for maximum user comfort. 90° Rotatable head. 4 m cable.

Tech. Code		N421413125
GR25	Euro	220,00
Power	W	1250
No-load speed	Rpm	2800 - 11,500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Max. cutting depth	mm	33
Threaded shaft coupling		M14
Weight	kg	2.4

Included:
Side handle AVS
Flange
Flange wrench
Protective cover - adjustable without tools



**ITEM: GWS 11-125 PROFESSIONAL**

Supply voltage 230 Volt, powerful and compact, direct cooling for overload, high resistance and long service life. Chuck lock for easy wheel change, safety switch to prevent accidental starting. Gear head rotatable in steps of 90°, anti-rotating quick positioning guard for grinding wheel. Equipped with the RESTART PROTECTION, protection against the restarting in case of power interruption.

Tech. Code		N4212125/1
GR25	Euro	189,00
Power	W	1100
No-load speed	Rpm	11500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Ø hole brushes max	mm	75
Threaded shaft coupling		M14
Weight	kg	2,2

Included:
Mounting flange
Protection cap
Clamping nut
Handle
Dual hole wrench
Dimension: 336 x 102 h mm



Tech. Code		N4200RIC1
GR76	Euro	21,57
SPARE PARTS		Brushes (pair) 167000V53

**ITEM: GWS 13-125 CI PROFESSIONAL**

Supply voltage 230 Volt, powerful, compact, technologically advanced, starting current limiter for a smooth and safe start and Constant Electronic for constant rpm even under load. Kick-Back-Stop for power turn-off in case of wheel lock, protection against accidental restarting, direct cooling for overload, high resistance and long service life. Chuck lock for easy wheel change, safety switch to prevent accidental starting. Gear head rotatable in steps of 90°, anti-rotating quick positioning guard for grinding wheel, extra Vibration Control handle for both right and left-hand use.

Tech. Code		N4215125/2
GR25	Euro	209,00
Power	W	1300
No-load speed	Rpm	11500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Ø hole brushes max	mm	75
Threaded shaft coupling		M 14
Weight	kg	2,3

Included:
Mounting flange
Protection cap
Clamping nut
Vibration Control handle
Dual hole wrench
Dimension: 297x103h mm



Tech. Code		N4200RIC2
GR76	Euro	24,30
SPARE PARTS		Brushes (pair) 167000V37

**ITEM: GWS 17-125 CI PROFESSIONAL**

Extremely powerful and technologically advanced 230 Volt angle grinder with starting current limiter for a smooth and safe start and Constant Electronic for constant speed, even under load. KickBack Stop to shut down the tool if the grinding wheel jams, accidental restart protection and direct cooling for high overload capability and long lifetime. Spindle lock for easy disc change, restart protection switch, gear head can be rotated in 90° steps, anti-rotation disc guard with quick and easily adjustment without the need for tools, Vibration Control handle can be used on right or left.

Tech. Code		N4218125/3
GR25	Euro	275,00
Power	W	1700
No-load speed	Rpm	11500
Grinding disc Ø	mm	125
Backing pad Ø	mm	125
Cup brushes max. Ø	mm	75
Spindle thread		M 14
Weight	kg	2.4

Included:
Backing flange
Protective guard
Locking nut
Auxiliary vibration control handle
Two-hole spanner
Dimension: 311x103h mm



Tech. Code		N4200RIC2
GR76	Euro	24,30
SPARE PARTS		Brushes (pair) 167000V37

**ITEM: GWS 1400 PROFESSIONAL**

Supply voltage 230 Volt, powerful, compact, technologically advanced, starting current limiter for a smooth and safe start and Constant Electronic for constant rpm even under load. Kick-Back-Stop for power turn-off in case of wheel lock, protection against accidental restarting, direct cooling for overload, high resistance and long service life. Chuck lock for easy wheel change, safety switch to prevent accidental starting. Gear head rotatable in steps of 90°, anti-rotating quick positioning guard for grinding wheel.

Tech. Code		N4217125/1
GR25	Euro	189,00
Power	W	1400
No-load speed	Rpm	11000
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Ø hole brushes max	mm	70
Threaded shaft coupling		M14
Weight	kg	2,2

Tech. Code		N4200RIC3
GR76	Euro	21,57
SPARE PARTS		Brushes (pair) 1607014176

Included:
Mounting flange
Protection cap
Clamping nut
Handle
Dual hole wrench
Dimension: 297x103h mm

**ITEM: GWS 17-125 INOX**

Voltage 230 Volt, the specialist at high performance for finishing stainless steel, starting current limiter for a smooth start and safe, preset speed of six positions. Constant Electronic for constant speed under load, Kick Back Stop to stop the power in case of blocking of the grinding wheel, protection against unexpected restart, direct cooling and dust protection for a high resistance, overload protection for a long lifespan. Large spindle lock button for easy replacement of the grinding wheel, safety switch against accidental switch, head gear rotated by 90°, headphone wheel cover with quick positioning positioning, auxiliary handle Vibration Control applicable both right and left. Plastic casing.

Tech. Code		N42201700/2
GR25	Euro	350,00
Absolute power	W	1700
No-load speed	Rpm	2200-7500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Ø Max. hole brushes	mm	75
Threaded shaft coupling		M14
Weight	kg	2,4

Tech. Code		N4200RIC2
GR76	Euro	24,30
SPARE PARTS		Brushes (pair) 167000V37

Included:
Mounting flange
Protection cap
Clamping nut
Vibration Control handle
Dual hole wrench
Dimension: 311x103 mm



UNIVERSAL BEVELLING MACHINES FOR EDGES UP TO 15MM



ITEM: KFH 17-15 R

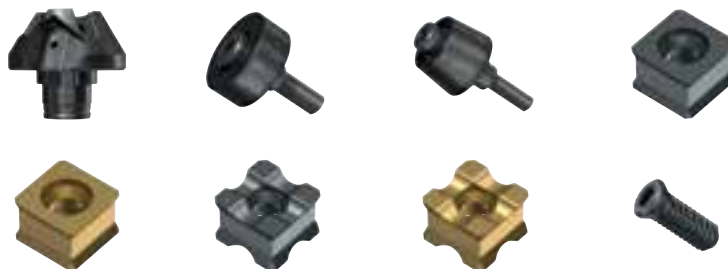
Universal beveling machines equipped with booster technology that allows to increase the milling performance from 30% to 80% and to drastically reduce vibration compared to a traditional machine. Spring cushioning system for ideal preparation of the weld seam. Ergonomic FeinErgoGrip handle with two-hand control for fatigue-free work. Soft start, restart interlock, anti-lock control, electronic overload protection. Quick change of cutter to minimize machining interruptions. High stock removal capacity.



Tech. Code		N422200
GR82	Euro	(2548,00)
Rated power connection	watt	1700
Rendered power	watt	1000
No-load speed	Rpm	2300-7500
Max length bevel to 45°	mm	15
Max height bevel to 45°	mm	10,6
Bevel angle		30°/37,5°/45°/60°
Radius	mm	3
Support plate	Ø	137
Cable with plug	m	4
Weight	kg	6,4
Vibration exposure limit value	m/s ²	ah, 3,7

Included:
Tool without cutter head, without guide roller, without inserts
Allen key 5 mm
6 clamping screws
Torx screwdriver TX15
Copper paste
Plastic tool case

Tech. Code	GR82 Euro	Accessories
N422201	(567,00)	Milling head for bevel 45° and rounded bevels
N422202	(149,00)	Guide roller Ø 26.30 mm for 45° bevel
N422203	(149,00)	Guide roller Ø 28.55 mm for 45° bevel
N422204	(314,00)	Straight plate kx cut for bevels
N422205	(314,00)	Straight plate kx cut for bevels
N422206	(349,00)	Cutting plate kx for r3 alu and soft materials
N422207	(349,00)	Cutting plate kx for r3 universal applications
N422208	(40,40)	Clamping screws for cutting plate kx



ITEM: WSG 20-230

High-power angle grinders for cutting and grinding.
High performance FEIN® motor with outstanding removal over the full working range up to 150 % load.
Flat drive head allows the tool to be plunged into workpieces. Soft start for safe handling, rear handle can be rotated through 4 positions.
Dustproof ball bearings, sealed electronic components. Spindle lock button.

Tech. Code		N4228230
GR82	Euro	(346,00)
Power supply	V	230-50 Hz
Rated input power	W	2000
No-load speed		6600
Grinding disc Ø	mm	230
Backing pad Ø	mm	230
Mounting threaded spindle		M14
Weight	kg	5.6

Included:
Wheel guard
Pair of flanges
Handle
Key



ANGLE GRINDERS



ITEM: CG 17-125

Angle grinders compact and easy to handle for heavy cutting and roughing operations. High overload capacity thanks to direct motor cooling. Kickback sensor, device against accidental restart, anti-vibration handle. 90° rotatable head for a wide range of applications. Quick-release disc lock ring allows abrasives to be change without tools.

NEW

Tech. Code		N4229125
GR82	Euro	(216,00)
Power supply	V	230 - 50 Hz
Rated power consumption	W	1700
No-load speed	Rpm	11.500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Ø hole brushes max	mm	70
Threaded shaft coupling		M14
Weight	kg	2,4

Included:
Protection cap
Pair of flanges
Anti-vibration handle
Key



ELECTRIC ANGLE GRINDERS



ITEM: GWS 19-125 CIE PROFESSIONAL

GWS 19-125 CIE angle grinders high performance, thanks to the powerful 1.900 engine Watts with Constant Electronic system. Long life, thanks to the engines with direct cooling, protection against the overload and long life of the brushes. Safety for the user thanks to the Kick-Back device Control, to protect against accidental reboot, to the anti-rotation protection cuff and to reduced vibrations. Good handling thanks to the slim casing design with Soft grip lining for a secure grip. Optimized air conduction and better protection against dust. Preselection of the number of laps in 6 stages, depending on the different materials.

Tech. Code		N42241900
GR25	Euro	315,00
Power	W	1900
Delivered power	W	1220
No-load speed	Rpm	2800 - 11500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Ø Hole brushes	mm	75
Threaded shaft coupling		M 14
Weight	kg	2,4

Included:
Two-hole key
Protection cap
Clamping nut
Clamping flange
Vibration control handle
Anti-dust filter
Dimension: 311x103h mm



Tech. Code		N4200RIC2
GR76	Euro	24,30
SPARE PARTS		Brushes (pair) 167000V37



ITEM: GWS 22-230 LVI PROFESSIONAL

Supply voltage 230 Volt, powerful, easy to handle and technologically advanced, starting current limiter for a safe and smooth start. Kick-Back-Stop: turns off the machine immediately if there is a grinding wheel block. Chuck lock for easy wheel change, three-control safety switch, anti-rotating quick positioning guard for grinding wheel, primary Vibration Control handle and auxiliary Vibration Control handle for both right and left-hand use.

Tech. Code		N42322200/2
GR25	Euro	309,00
Power	W	2200
No-load speed	Rpm	6600
Ø Grinding wheels	mm	230
Threaded shaft coupling		M 14
Weight	kg	5,4

Included:
Mounting flange
Casing
Protection cap
Clamping nut
Vibration Control handle
Dual hole wrench
Dimension: 500 x 130 h mm



Tech. Code		N4200RIC4
GR76	Euro	24,30
SPARE PARTS		Brushes (pair) 1607014171

ITEM: GWS 22-230 J

Power supply 230V. New motor, patented by Bosch, which guarantees more efficiency in the removal of the material and less consumption of the charcoals, Vibration reduction during machining. Oversized fan with new design to reduce overheating under overload conditions. Protection against accidental restart.

Tech. Code		N42342200
GR25	Euro	(185,00)
Tension	V	230
Power	W	2200
No-load speed	Rpm	6.500
Ø Grinding wheels	mm	230
Threaded shaft coupling		M14
Weight	kg	5,4

Included:
Dual hole wrench
Protection cap
Clamping nut
Mounting flange
Vibration control handle
Dimension: 500 x 140h mm



Tech. Code		N4200RIC4
GR76	Euro	24,30
SPARE PARTS		Brushes (pair) 1607014171

ANGLE GRINDERS

ITEM: CG 17-125 INOX

Angle grinders with variable number of revolutions and high power reserve for processing stainless steel in various applications, from satin finishing to grinding. Removes up to 30% more material than similar grinders. Particularly constant speed under load. Anti-blocking system against accidental starting.

Tech. Code		N4231125
GR82	Euro	(238,00)
Power supply	V	230 - 50 Hz
Rated power consumption	W	1700
No-load speed	Rpm	2200-7500
Ø Grinding wheels	mm	125
Ø Pad	mm	125
Threaded shaft coupling		M14
Weight	kg	2,4

Included:
Protective cap
Pair of flanges
Anti-vibration handle
Key



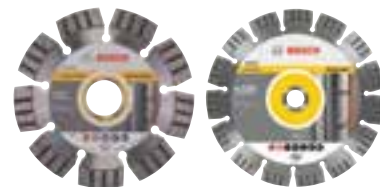
DIAMOND CUTTING DISCS



Ideal for all construction materials, such as concrete, reinforced concrete, brick, sandstone, limestone.

Tech. Code	GR76 Euro	Ø mm
N505011520	20,50	115 x 2.0 x 22.2

Tech. Code	GR76 Euro	Ø mm
N505023024	96,50	230 x 2.4 x 22.2



PORTABLE SATIN FINISHING MACHINES FOR STAINLESS STEEL



ITEM: WPO 14-25 E-START SET INOX

Extremely powerful portable angle grinder-polisher, even with low rpm thanks to the mechanical drive and high-performance FEIN motor. Continuously adjustable speed, ideal for sanding, satin finishing, brushing and mirror polishing of stainless steel. Maximum safety guaranteed by soft start-up and by the device against accidental starting.

Set composition:

Satin finisher WPO 14-25 E

Plastic case

2 Service keys

Adjustable support 63733006010

Protection guard 30229216005

Fixing shaft M14 Ø 19x100 63803067028

Fixing shaft M14 Ø 15x50 63803066024

Anti-vibration handle 32119124010

Disc in corrugated viles Ø 150x30 M14 63723021013

Backing pad with velcro Ø 115-M14 63806172010

10 Velcro discs in Viles Ø 115 FINE 63732003015

Elastic Abrasive wheel WNW Ø 100x100-19 MEDIUM 63721006012

Abrasive wheel WNW Ø 100x100-19 FINE 63721006012



Tech. Code	N422600
GR82 Euro	(876,00)
Power supply V	230 - 50 Hz
Rated power consumption W	1200
Rendered power W	750
No-load speed Rpm	900 - 2500
Ø max standard pad mm	115
Ø max polishing pad mm	230
Abrasive wheel Ø x L max mm	110 x 100
Threaded shaft coupling	M14
Weight kg	2,5

PORTABLE BELT SANDERS FOR TUBES



ITEM: RS 12-70 E-PROFI SET INOX

Portable belt sanders with continuous speed adjustment, ideal for processing steel and stainless steel tubes. Removal of weld seams, satin finishing and mirror polishing of assembled pipes. Flexible sanding belts also adapt optimally to narrow tubes and bends and thus guarantee uniform surfaces. 360° grinding in only 2 phases. Safety against accidental starts.

Set composition:

Sander RS 12-70 E

Plastic case

10 Abrasive belts in flex canvas 20x815 Grain 120 63714050015

10 Abrasive belts in flex canvas 20x815 Grain 180 63714051014

10 Abrasive belts in flex canvas 40x815 Grain 120 63714054019

10 Abrasive belts in flex canvas 40x815 Grain 180 63714055013

5 Abrasive belts TNT Viles 20x815 grain 280 63714058018



* Obtainable with optional guide rollers code 31335017011

Tech. Code	N422700
GR82 Euro	(1610,00)
Power supply V	230 - 50 Hz
Rated power consumption W	1200
Rendered power W	750
No-load speed Rpm	2700 - 7000
Band development mm	20/40 x 815
Max. speed of the band m/sec	22
For tubes Ø mm	8 - 80
Min. wall clearance distance mm	50
Weight kg	3,8

**ITEM: GGS 28 C PROFESSIONAL**

Supply voltage 230 Volt, compact, ergonomic and extremely easy to handle. Constant Electronic for constant rpm even under load, Kick-Back Stop device for immediate shut-down if the tool detects a block, ball bearing with double hermetic seal applied on rubber to minimise vibrations, brushes with automatic release for maximum motor protection, new direct fixing system for grinding wheels, efficient cooling, 43 mm collar Ø also for stationary use.

Tech. Code		N4240600/1A
GR25	Euro	285,00
Power	W	600
No-load speed	Rpm	30000
Colet chuck	mm	8
Weight	kg	1,4

Included:
2 x 19 mm fixed wrenches
6 mm collect chuck
Dimension: 291 x 75 h mm

**ITEM: GGS 28 LC PROFESSIONAL**

Powerful 650-Watt motor with soft start for fast work progress. Long and slender sanding spindle - particularly suited for use in hard-to-reach areas. Kick-Back-Stop: immediate tool shut-down when a block of the grinding wheel is detected - for superior user protection. Constant Electronic System for constant rpm even under load. Compact and ergonomic shape for versatile sanding. Brush disengagement for high motor protection. Reduced maintenance thanks to an optimised useful life of the brushes.

Tech. Code		N4241650
GR25	Euro	395,00
Power	W	650
No-load speed	Rpm	30000
Ø sanding body max	mm	50
Ø shaft collar	mm	43
Colet chuck	mm	8
Surface clamping nut wrench	mm ²	19
Surface sanding spindle wrench	mm ²	13
Weight	kg	1,6

Included:
13 mm fixed wrench
19 mm fixed wrench
6 mm collect chuck
Dimension: 375 x 75 h mm

**ITEM: GGS 28 LCE PROFESSIONAL**

Powerful 650-Watt motor with soft start for fast work progress. Long and slender sanding spindle - particularly suited for use in hard-to-reach areas. Kick-Back-Stop: immediate tool shut-down when a block of the grinding wheel is detected - for superior user protection. Constant Electronic System for constant rpm even under high load. Compact and ergonomic shape for versatile sanding. Brush disengagement for high motor protection. Reduced maintenance thanks to an optimised useful life of the brushes.

Tech. Code		N4242650
GR25	Euro	419,00
Power	W	650
No-load speed	Rpm	10000-30000
Colet chuck	mm	8
Ø sanding body max	mm	50
Ø shaft collar	mm	43
Surface clamping nut wrench	mm ²	19
Surface sanding spindle wrench	mm ²	13
Weight	kg	1,6

Included:
2 x 19 mm fixed wrenches
6 mm collect chuck
Dimension: 375 x 75 h mm

**ITEM: GGS 8 CE PROFESSIONAL**

Supply voltage 230 Volt, strong and very resistant, suitable for more challenging milling and grinding work, optimal management of the number of revolutions for every specific need and Constant Electronic for constant rpm under load. Robust gear housing, protection switch against accidental starting, optimally positioned air intakes for high resistance to overloads and long service life.

Tech. Code		N4243650
GR25	Euro	459,00
Power	W	750
No-load speed	Rpm	2500 - 8000
Ø sanding body	mm	50
Ø shaft collar	mm	43
Colet chuck	mm	8
Surface clamping nut wrench	mm ²	19
Surface sanding spindle wrench	mm ²	13
Weight	kg	1,7

Included:
13 mm fixed wrenches
19 mm fixed wrenches
6 mm collect chuck
Dimension: 332 x 82 h mm



ELECTRIC ORBITAL SANDERS



ITEM: GSS 140-1 A

Sanders with an intelligent mounting system, robust and stable, easy to use and replace, resistant felt cloth with sheet metal for a greater duration, less vibrations and a simple replacement. Ergonomic handle to work without effort, strong leg swing support system for grinding work that lasts hours, switch protected from dust for a greater duration of the power tool, transparent container for dust with microfilter enhanced by Bosch. A vision for a better and easier cleaning.

Tech. Code		N4251180/1
GR25	Euro	155,00
Power	W	180
No-load speed	Rpm	12000
Oscillation/min		24000
Ø fluctuations	mm	1,6
Fluctuation emission value ah	m/s ²	5
Uncertainty of measurement k	m/s ²	1,5
Sanding plate	mm	113 x 101
Strap fit - Abrasive paper	mm	115 x 107
Bracket fit - Abrasive paper	mm	115 x 140
Weight	kg	1,2

Included:

Plate base 113 x 101 mm with grinding plate
Plate punching
Dust container
Sand paper 120 K
Sheet of sand paper C470
Dimension: 250x110x143h mm



ITEM: GSS 23 AE PROFESSIONAL

Supply voltage 230 Volt, lightweight and manoeuvrable with electronic revolution and oscillation adjustment to work each type of material in the most appropriate way, Easy-Fit system with automatic tensioning for a perfect fit of the sandpaper roll or Velcro. Micro-filter dust collector box for perfect suction, palm handle with two gripping positions and Softgrip coating for maximum working comfort.

Tech. Code		N4252190/1
GR25	Euro	219,00
Power	W	190
No-load speed	Rpm	7000 -12000
Oscillation/min		14000-24000
Sanding plate	mm	92 x 182
Strap fit - Abrasive paper	mm	93 x 185
Bracket fit - Abrasive paper	mm	93 x 230
Weight	kg	1,7

Included:

Plate punching
2 paper sandpaper sheets
Plastic case
Dimension: 317 x 158 h mm



ELECTRIC ROTO-ORBITAL SANDERS



ITEM: GEX 150 AC PROFESSIONAL

Supply voltage 230 Volt, high removal model with revolution and oscillation adjustment and pre-setting for appropriate work in all types of applications. Constant Electronic for constant rpm even under load, pad brake to decrease wear and to avoid scratches and damage to the workpiece. Pad with Velcro abrasive disc fixing, micro-filter dust collector box for perfect suction, handle with palm position and removable front handle for wire sanding without obstacles.

Tech. Code		N4260340/1
GR25	Euro	329,00
Power	W	340
No-load speed	Rpm	4500-12000
Oscillation/min		9000-24000
Ø pad/ strap abrasive disc	mm	150
Weight	kg	2,1

Included:

5 mm hexagonal L wrench
120 grain abrasive disc
Dimension: 315 x 190 h mm



ITEM: GET 55-125

Corded 125 mm diameter 230V direct drive sander with outstanding ease of handling and control. Perfectly designed ergonomic palm rest and handle with a gripping circumference of only 18 cm. Multi-hole sanding pad is compatible with all sanding sheets, irrespective of the number of holes. 27% more material removal compared to the previous model. Suitable for simple and intermediate sanding, paint removal, surface finishing and polishing. Can be used on wood, wood veneers, paint, plaster, mineral and acrylic surfaces. Constant speed, direct drive mode, edge protection, speed pre-selection, hook and loop fastening system for attaching sanding sheets.

Tech. Code		N4262550
GR25	Euro	(599,00)
Power	W	550
No-load speed	Rpm	3,300 - 7,800
No-load orbital stroke rate		6,600 - 15,600
Ø pad/ strap abrasive disc	mm	125
Weight	kg	2.4

Included:

Backing pad 125 mm
Sanding sheet M480 - 80
Sanding sheet M480 - 120
Sanding sheet M480 - 180
Guard ring 125 mm
Suction socket 125 mm
Auxiliary handle
Allen key
Carrying case LBoxx



ELECTRIC BELT SANDERS



ITEM: GBS 75 AE PROFESSIONAL

Supply voltage 230 Volts, sturdy and extremely easy to handle with pre-selection of the number of revolutions for work suited to the material, sturdy toothed belt and related toothed metal wheels for long service life. Sanding pad with graphite coating, aluminium rollers, micro-adjustment of the guide roller for proper belt running and fast/stable tensioning lever for simple belt change. Direct suction connection to the aspirator or to the dust bag, removable front handle for wire sanding without obstacles.

Tech. Code		N4265750/1
GR25	Euro	359,00
Power	W	750
Rotating speed abrasive sheet mt/min	m/min	200-330
Abrasive tape	mm	533 x 75
Weight	kg	3,4

Included:
Abrasive belt
Dust bag
Dimension: 440 x 130 h mm



ELECTRIC BELT SANDERS



ITEM: BF 10-280 E

BF 10-280 E belt sanders powerful for sanding corners and edges when machining stainless steel. FEIN high-performance motor for maximum removal capacity and constant speed even in case of high stresses. Optimal belt speeds for the effective use of abrasive belts, felt belts and different polishing belts. Maximum ease of use - 180 ° rotatable sanding arm without service keys, assembly and adjustment of the belt without service keys. Belt widths from 3 to 20 mm. Continuously adjustable number of revolutions, optimal for protecting delicate surfaces.

Tech. Code		N4270800
GR82	Euro	627,00
Rated power consumption	W	800
Rendered power	W	550
No-load speed	Rpm	10000 / 28000
Belt speed	m/sec	12-32
Cable with plug	m	4
Belt dimension	mm	520 x 3 / 6 / 20
Weight	kg	2,1



MULTI-FUNCTION TOOLS



ITEM: GOP 30-28 PROFESSIONAL

GOP 30-28 multi-purpose tool category starlock plus for Increased work progress, magnetic Interface for a simple tool change, 3 D Interface for a transfer of power from tool to accessory with minimal losses.

Tech. Code		N4303300
GR25	Euro	269,00
Power	W	300
Number of oscillations at no-load/min		8000 - 20000
Oscillation angle on the right and on the left		1,4°
Weight	kg	1,5

Included:
BIM Starlock blade AIZ 32 APB
HCS Starlock blade AIZ 32 BSPC
HCS Starlock scraper ATZ 52 SC
Case L-BOXX



**ITEM: GST 90 BE PROFESSIONAL**

Supply voltage 230 Volt, standard model with high comfort, switch with acceleration function for soft-start cutting with all materials. SDS system for tool-free blade change, four-position adjustable blade oscillation, integrated suction duct for direct connection to the aspirator, sawdust blower device that can be switched off, handle with Softgrip-coated grip points for maximum working comfort.

Tech. Code		N4305650/1
GR25	Euro	199,00
Power	W	650
Idle runs/min		500-3100
Run height	mm	26
Max cutting depth - Wood	mm	90
Max cutting depth - Aluminum	mm	20
Max cutting depth - Non-alloyed steel	mm	10
Weight	kg	2,6

Included:
Blade
5 mm hexagonal L wrench
Plastic case

Dimension: 393 x 330 h mm

**ITEM: GST 160 CE**

Thanks to its double roller, the extremely precise guide prevents the blade from bending, providing excellent cutting precision. Compact and light structure, reduced handle size, for a maximised cutting control. Its blade replacement system (SDS), which does not require any tools while ensuring no gap, prevents blade vibration therefore also ensuring superior surface quality. A mass compensation system designed to attenuate vibrations, providing excellent rotational uniformity. High-performance LED ensures intense lighting of the cutting area. A powerful 800 watt motor complete with Constant Electronic system, represents a great power source for deep cutting also in case of hard materials. Accuracy with a systematic approach: compatible with the new guide rail and with our "Extra Clean for Wood" blades for splinter-free cutting. Compatible with all Bosch dust aspirator for clean work operations. Sturdy magnesium crankcase and tool-free adjustment.

Tech. Code		N4307800/1
GR25	Euro	379,00
Power	W	800
Idle runs/min		800-3000
Run height	mm	26
Max cutting depth - Wood	mm	160
Max cutting depth - Aluminum	mm	20
Max cutting depth - Non-alloyed steel	mm	10
Weight	kg	2,2

Included:
T 144 DP blade
T 244 D blade
2 T 308 B blades
1/1 insert for casing
L-BOXX for tool
Suction adapter
Splinter protection
L-BOXX 136 casing
Dimension 251x183h mm

**ITEM: GST 160 BCE**

Thanks to its patented double roller, the extremely precise guide prevents the blade from bending, providing excellent cutting precision. Its blade replacement system (SDS), which does not require any tools while ensuring no gap, prevents blade vibration therefore also ensuring superior surface quality. A mass compensation system designed to attenuate vibrations, providing excellent rotational uniformity. High-performance LED ensures intense lighting of the cutting area. A powerful 800 watt motor complete with Constant Electronic system, represents a great power source for deep cutting also in case of hard materials. Sturdy magnesium crankcase and tool-free adjustment.

Tech. Code		N4308800
GR25	Euro	379,00
Power	W	800
Idle runs/min		800-3000
Run height	mm	26
Max cutting depth - Wood	mm	160
Max cutting depth - Aluminum	mm	20
Max cutting depth - Non-alloyed steel	mm	10
Weight	kg	2,3

Included:
T 144 DP blade
T 244 D blade
2 T 308 B blades
1/1 insert for casing
L-BOXX for tool
Suction adapter
Splinter protection
L-BOXX 136 casing
Dimension 251x183h mm



ELECTRIC UNIVERSAL SAWS



ITEM: GSA 1100 E PROFESSIONAL

GSA 1100 E universal saw with a powerful 1,100 W motor for fast cutting progress, integrated LED for optimal workpiece visibility. Metal hook to hang the tool during work breaks. «SDS» system for a quick and convenient blade replacement, gear casing with rubber coating for a secure and comfortable grip.

Tech. Code		N43101100
GR25	Euro	219,00
Power	W	1100
Idle runs/min.		0 - 2700
Max cutting depth - wood	mm	230
Saw stroke length	mm	28
Weight	kg	3,6

Included:
Blade for wood S 2345 X
Blade for metal S 123 XF
Case
Dimension: 495x195h mm



ELECTRIC CIRCULAR SAW BLADES



ITEM: GKS 65 GCE PROFESSIONAL

Precise interaction with the new Bosch FSN guide system and with guide rails of other suppliers. Execution of angled cuts with the guide without any adapter. High cutting progress thanks to the powerful 1,800-Watt motor and the Constant Electronic system. Base in cast aluminium with a precisely milled groove for the guides.

Tech. Code		N44011800
GR25	Euro	449,00
Power	W	1800
No-load speed	Rpm	5000
Ø blade hole	mm	30
Ø blade	mm	190
Cutting depth max 90°	mm	65
Cutting depth max 45°	mm	48
Weight	kg	5,2

Included:
Suction adapter
MD blade 190 mm Ø
L-BOXX
5 mm hexagon L wrench
Dimension: 320 x 270 h mm



CIRCULAR BLADES WITH TEETH FOR WOOD HM OPTILINE



Special steel body with expansion groove to prevent deformation, suitable for fast and accurate cutting of soft and hard wood, pressed and plywood, laminboard and chipboard.

Tech. Code		N505536
GR76	Euro	55,50
Ø	mm	190
Hole	mm	30
Z		36
B1 x B2	mm	2,6 / 1,6

B1: Cutting width B2: Blade body thickness



ELECTRIC SHEARS



ITEM: GSC 75-16 PROFESSIONAL

Supply voltage 230 Volt, short, easy to handle, with an excellent view of the cutting line, tight curving radius, protected safety slide switch.

Tech. Code		N4501500/2
GR25	Euro	519,00
Power	W	750
Idle runs/min		5200
Max. cutting thickness - Steel 400 N/mm²	mm	1,6
Max. cutting thickness - Steel 600 N/mm²	mm	1,2
Max. cutting thickness - Steel 800 N/mm²	mm	0,7
Max. cutting thickness - Aluminium 200 N/mm²	mm	2,2
Weight	kg	1,7

Included:
Upper/lower blade
3 mm hexagon L wrench
Dimension: 232 x 115 h mm



Tech. Code		N4501LR/1
GR76	Euro	34,00
		Spare blade



ITEM: GNA 2.0 PROFESSIONAL

Supply voltage 230 Volt, slim and compact body with high manoeuvrability, adjustable matrix for better access to corners with locking option for straight cuts. Protected safety slide switch. Work without problems thanks to track templates and cuts from solid.

Tech. Code		N4520500/4
GR64	Euro	789,00
Power	W	500
Idle runs/min		2400
Max. cutting thickness - Steel 400 N/mm²	mm	2
Max. cutting thickness - Steel 600 N/mm²	mm	1,4
Max. cutting thickness - Steel 800 N/mm²	mm	1
Max. cutting thickness - Aluminium 200 N/mm²	mm	2,5
Minimum radius	mm	3
Track width	mm	6
Pre-drilling for cuts from solid	mm	16
Weight	kg	2

Included:
Punch for curve cut
Matrix
2.5 mm allen key
Dimension: 275 x 127 h mm



ITEM: GHG 20-60

Power supply 230V. Its linear shape gives it exceptional versatility in any working position. Two air flow speeds and panel for setting 9 temperature levels for maximum practicality. The 2000 Watt motor guarantees high power allowing you to reach a temperature of 630° quickly.

Tech. Code		N46012000/3
GR64	Euro	199,00
Power	W	2000
Operating temperature	°C	50-630
Airflow	litres/minute	150-500
Weight	kg	0.6

Dimension: 340x105h mm





LEGEND ICONS JIG SAW BLADES FOR SAWS



Fast cut



Circular cut, precise



Bar grain 30



Particular cutting from solid



Clean cut



Rectified sharpened teeth



Straight cut, accurate



Long life service
(Bimetallic / HM)



Fine and effortless cutting



Straight cut, rough



With HM coating



Powerful and rough cutting



Circular cut, rough



With HM insert



Flexible blade for wire cutting



Thin and thick materials

JIG SAW BLADES FOR WOOD



ITEM: T 111 C

HCS, set, milled, softwood, chipboard panels (4-50 mm), laminboard, fibre boards, for fast cut.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510111	5,70	100	3	5 blades	1



ITEM: T 144 D

HCS, set, rectified, softwood, chipboard panels (5-50 mm), laminboard, fibre boards.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510213	8,60	100	4 - 5,2	5 blades	1



ITEM: T 244 D

HCS set, rectified, softwood (5 - 50 mm), chipboard panels, laminboard, fibre boards, ideal for curved cuts.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510315	9,80	100	4 - 5,2	5 blades	1



ITEM: T 344 D

HCS, set, milled, thick wood, softwood (5 - 100 mm), chipboard panels, laminboard, fibre boards.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510417	17,20	152	4	3 blades	1



ITEM: T 101 B

HCS, straight, rectified and straight teeth, softwood, chipboard panels, laminboard, fibre boards (3 - 30 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510519	8,60	100	2,7	5 blades	1



ITEM: T 101 D

HCS, straight, rectified and straight teeth, softwood, chipboard panels, laminboard, fibre boards (10 - 45 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510621	9,00	100	4 - 5,2	5 blades	1

JIG SAW BLADES FOR WOOD



ITEM: T 301 CD

HCS, straight, rectified and straight teeth, softwood, chipboard panels, laminboard, fibre boards (10 - 65 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510723	22,50	117	3	5 blades	1

JIG SAW BLADES FOR WOOD WITH METAL



ITEM: T 345 XF

Two-metal, set, milled, wood for construction with nails (< 65 mm), wooden materials, plastic, sheet metal, pipes/profiles, including aluminum (3 - 10 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N510825	39,50	132	2,4 - 5	5 blades	1

JIG SAW BLADES FOR METAL



ITEM: T 118 AF

Two-metal, wavy corrugated, milled, thin sheet metal (1 - 3 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N512027	19,90	92	1,1 - 1,5	5 blades	1



ITEM: T 118 BF

Two-metal, wavy corrugated, milled, medium-thick sheet metal (1 - 3 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N512129	17,70	92	1,9 - 2,3	5 blades	1



ITEM: T 118 G

HSS, wavy corrugated, milled, very thin sheet metal (0.5 - 1.5 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N512231	8,10	92	0,7	5 blades	1



ITEM: T 118 A

HSS, wavy corrugated, milled, thin sheet metal (1 - 3 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N512333	8,10	92	1,1 - 1,5	5 blades	1



ITEM: T 218 A

HSS, wavy corrugated, milled, thin sheet metal (1 - 3 mm). Ideal for cutting curved



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N512435	9,00	92	1,1 - 1,5	5 blades	1



ITEM: T 318 A

HSS, wavy corrugated, milled, thin sheet metal (1 - 3 mm), pipes/profiles, including aluminium (< 65 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N512537	17,50	132	1,2	5 blades	1

JIG SAW BLADES FOR METAL



ITEM: T 118 B

HSS, wavy corrugated, milled, medium-thick sheet metal (2.5 - 6 mm).



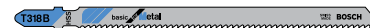
Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N512639	8,10	92	1,9 - 2,3	5 blades	1

JIG SAW BLADES FOR ALUMINIUM AND NON-FERROUS METALS



ITEM: T 318 B

HSS, wavy corrugated, milled, medium-thick sheet metal (2.5 - 6 mm), pipes/profiles, including aluminium (< 65 mm). Angle and precise cuts.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N513041	17,50	132	2	5 blades	1



ITEM: T 127 D

HSS, set, milled, thin and thick sheet metal (3 - 15 mm), pipes/profiles (< 30 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N513143	9,30	100	3	5 blades	10



ITEM: T 227 D

HSS, set, milled, thin and thick sheet metal (3 - 15 mm), pipes/profiles (< 30 mm). Ideal for cutting curved.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N513245	9,60	100	3	5 blades	10

JIG SAW BLADES FOR ACRYLIC MATERIAL



ITEM: T 102 BF

HSS, straight, ground teeth, clear cuts on PMMA panels.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N515052	15,80	92	1,8	5 blades	1

JIG SAW BLADES FOR CERAMIC MATERIALS



ITEM: T 130 RIFF

HM-coated with 30 grain, soft ceramic tiles, fibreglass, cast iron (5 - 15 mm). Rough cuts.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm	Package content	
N517057	24,50	83	-	3 blades	1

BLADES FOR UNIVERSAL SAWS - BLADES FOR WOOD



ITEM: S 2345 X

HCS, set, ground, wood for construction (< 150 mm), chipboard, MDF (6 - 60 mm), plywood, plastic material (< 150 mm), wooden walls (< 150 mm). Fine cut and effortlessly.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm/TPI	Package content	
N5180A	19,80	200	2,5-4,3 - 6/10	2 blades	1

BLADES FOR UNIVERSAL SAWS - BLADES FOR WOOD WITH NAILS/METAL



ITEM: S 922 HF

Two-metal, set, milled, for repairing pallets, wood with nails/metal (< 100 mm), sheet metal, pipes, aluminium profiles (3 - 12 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm/TPI	Package content	
N5190C	30,50	150	2,5 - 10	5 blades	1

BLADES FOR UNIVERSAL SAWS - BLADES FOR WOOD WITH NAILS/METAL



ITEM: S 3456 XF

Two-metal, set, milled, wood with nails/metal, chipboard panels (< 150 mm), sheet metals, aluminium profiles (3 - 18 mm), fibreglass/epoxy resin (< 150 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm/TPI	Package content	
N5191D	43,50	200	2,1-4,3 - 6-12	5 blades	5

BLADES FOR AIR RECIPROCATING SAWS



ITEM: P4EV-6 / P4CS-6 / P4FS-6

Bi-metal blades for use with all standard pneumatic saws with 1/2" shank.



Tech. Code	GR76 Euro	Total length mm	Teeth TPI	Package content pc.	
N519814	(25,00)	100	14/18	6	1
N519824	(25,00)	100	24	6	1
N519832	(25,00)	100	32	6	1

The price shown refers to a pack

UNIVERSAL SAW BLADES FOR METAL



ITEM: S 922 EF

Two-metal, set, milled, thin sheet metal (1.5 - 4 mm), tubes/profiles (< 100 mm).



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm/TPI	Package content	
N5111G	30,50	150	1,4 - 18	5 blades	5



ITEM: S 922 BF

Two-metal, set, milled, thick plates (3 - 8 mm), massive pipes/profiles (< 100 mm). Fast cuts.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm/TPI	Package content	
N5112F	27,50	150	1,8 - 14	5 blades	1



ITEM: S 1122 EF

Two-metal, set, milled, thin sheet metal (1.5 - 4 mm), tubes/profiles (< 175 mm). Flush cutting.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm/TPI	Package content	
N5113E	32,50	225	1,4 - 18	5 blades	5



ITEM: S 1122 BF

Two-metal, set, milled, thick plates (3 - 8 mm), massive pipes/profiles (< 175 mm). Flush and fast cuts.



Tech. Code	GR76 Euro	Total length mm	Tooth pitch mm/TPI	Package content	
N5114H	32,50	225	1,8 - 14	5 blades	1

KEYLESS DRILL CHUCKS



ITEM: SUPRA

Constant clamping force even under the most severe operating conditions. S-version recommended for portable drills.

* B18 cone shortened by 7 mm.

Tech. Code	GR76 Euro	Width	Opening mm	Coupling	External Ø mm
N520110	97,70	10S	0.5 - 10	3/8" - 24	35.8
N520111	125,50	10	0 - 10	B16	40.2
N520112	107,00	13S	1 - 13	1/2" - 20	40.2
N520113	135,10	13	1 - 13	B16	46
N520114	144,30	16	3 - 16	B16	51
N520115	144,30	16	3 - 16	B18*	51



ITEM: SUPRA SK

Safety clamping device for maximum reliability even with strong vibrations and reverse rotation, protection against dust and side drain holes with ejecting centrifuge in case of dust intrusion.

Tech. Code	GR76 Euro	Width	Opening mm	Coupling	External Ø mm
N520220	116,30	SK 13S	1 - 13	1/2" - 20	42.8



SAFETY DEVICE

ITEM: SPIRO

Accurate execution, chamfered cap and 0.05 mm concentricity. Recommended for high-speed drills, boring machines and special drilling units.

Tech. Code	GR76 Euro	Width	Opening mm	Coupling	External Ø mm
N520313	228,10	13	1 - 13	B16	50
N520316	243,20	16	3 - 16	B16	55



ITEM: EXTRA RV

Metal cap, ergonomic shape and high concentricity, radial locking and hexagon for assembly and disassembly. Suitable for all types of drills up to 1100 Watts. Carbide jaws.

a* - without retaining ring

b* - with retaining ring

Tech. Code	GR76 Euro	Width	Opening mm	Coupling	Execution	External Ø mm
N520440	50,00	10	1 - 10	1/2" - 20	a*	42.7
N520441	50,00	10	1 - 10	3/8" - 24	a*	42.7
N520442	59,30	13	1.5 - 13	1/2" - 20	b*	42.7



TAPER COUPLINGS FOR DRILL SPINDLES

ITEM: N5210

Taper shank with tang DIN 228 B. Completely hardened and ground.

Tech. Code	GR76 Euro	CM	Coupling	L mm	C mm	G mm
N5210CM1B10	7,80	1	B10	86	12,06	10.09
N5210CM1B12	7,80	1	B12	89	12,06	12.06
N5210CM1B16	7,80	1	B16	97	12,06	15.73
N5210CM1B18	7,80	1	B18	107	12,06	17.78
N5210CM2B10	8,20	2	B10	103,5	17,78	10.09
N5210CM2B12	8,20	2	B12	106,5	17,78	12.06
N5210CM2B16	8,20	2	B16	110,5	17,78	15.73
N5210CM2B18	8,40	2	B18	117,5	17,78	17.78
N5210CM2B22	9,90	2	B22	130	17,78	21.79

Tech. Code	GR76 Euro	CM	Coupling	L mm	C mm	G mm
N5210CM3B12	10,80	3	B12	124	23,82	12.06
N5210CM3B16	10,80	3	B16	134	23,82	15.73
N5210CM3B18	10,80	3	B18	141	23,82	17.78
N5210CM3B22	10,80	3	B22	147	23,82	21.79
N5210CM4B16	23,30	4	B16	159	31,26	15.73
N5210CM4B18	27,10	4	B18	168	31,26	17.78
N5210CM4B22	24,40	4	B22	176	31,26	21.79
N5210CM5B16	46,80	5	B16	196	44,39	15.73
N5210CM5B18	46,80	5	B18	204,5	44,39	17.78



REDUCTION BUSH FOR DRILLS

ITEM: N5211

Accurate execution DIN 2185. Fully hardened and ground internally and externally.

Tech. Code	GR76 Euro	CM	Length mm
N5211CM2/1	11,60	2 / 1	92
N5211CM3/1	14,80	3 / 1	99
N5211CM3/2	14,00	3 / 2	112
N5211CM4/1	23,40	4 / 1	124

Tech. Code	GR76 Euro	CM	Length mm
N5211CM4/2	22,20	4 / 2	124
N5211CM4/3	22,20	4 / 3	140
N5211CM5/3	48,00	5 / 3	156
N5211CM5/4	48,00	5 / 4	171



EXTRACTORS/PULLERS FOR MORSE CONES



ITEM: N5215

Vanadium chrome steel.

Tech. Code	GR76 Euro	CM	Length mm
N521501-2	6,30	1-2	140
N521503	8,20	3	190

Tech. Code	GR76 Euro	CM	Length mm
N521504	10,50	4	225
N521505-6	27,00	5-6	265



SEMI AUTOMATIC DRILL DRIFTS



ITEM: N5216

Special hardened burnished steel, thermoplastic handle.

Tech. Code	GR76 Euro	CM	Length mm
N52161-3	79,00	1-3	330



METRIC THREADING SET M3-M12 - 22 PCS

ITEM: N5220

Supplied in its sturdy rigid plastic box

Set:

- 21 pcs hand taps M3-M4-M5-M6-M8-M10-M12 3 pieces each
- 1 pcs tap wrenches

Tech. Code	GR76 Euro	Pieces
N5220M3M12	161,70	22



METRIC THREADING SET M3-M12 - 16 PCS



ITEM: N5221

Provided in foam covered comfortable tray contained in rigid plastic box.

Set:

- 7 pcs taps M3-M4-M5-M6-M8-M10-M12
- 1 pcs adjustable tap wrench gr. 1, 1/2
- Dies 7 pcs d.25 mm M3-M4-M5-M6-M8-M10-M12
- 1 pcs die wrench 25 x 9mm

Tech. Code	GR76 Euro	Pieces
N5221M3M12	173,40	16



METRIC THREADING SET M3-M12 - 43 PCS



ITEM: N5223

Supplied in its sturdy rigid plastic box

Set:

- 21 pcs hand taps M3-M4-M5-M6-M8-M10-M12 3 pieces each
- Dies 7 pcs M3-M4-M5-M6-M8-M10-M12
- Drills 7 pcs DIN 338 (2,5-10,2 mm)
- Die holder 5 pcs
- Tap wrenches 2 pcs
- Screw pitch gauge caliper 1 pcs

Tech. Code	GR76 Euro	Pieces
N5223SET43	310,00	43



CONICAL STEP DRILLS

WODEX

ITEM: WX7550

Conical step drills **PREMIUM QUALITY** in HSS steel with high surface resistance, suitable for drilling ferrous materials, aluminum, copper and plastic materials with thicknesses up to 5 mm. Dimensions of the drilling diameters laser engraved on the groove and cylindrical shank with driving planes.



Specifications:

N522713A - WX7550/13A	Ø 4-5-6-7-8-9-10-11-12-13 mm
N522722A - WX7550/22A	Ø 4-7-10-13-16-19-22 mm
N522723A - WX7550/23A	Ø 5-8-11-14-17-20-23 mm
N522724A - WX7550/24A	Ø 6-9-12-15-18-21-24 mm
N522724B - WX7550/24B	Ø 6-8-10-12-14-16-18-20-22-24 mm
N522730A - WX7550/30A	Ø 4-6-8-10-12-14-16-18-20-22-24-26-28-30 mm
N522732A - WX7550/32A	Ø 6,5-9,8-11-12,5-14-15,3-17,2-18,7 20,5-22,5-24,7-26,7-28,5-30,5-32,5 mm
N522740A - WX7550/40A	Ø 7-10,5-12,5-14,5-16,5-18,5-20,5 23,5-25,5-30,5-34-38,5-40,5 mm
N522742A - WX7550/42A	Ø 6-10-14-18-22-26-30-34-38-42 mm
N522743A - WX7550/43A	Ø 7-11-15-19-23-27-31-35-39-43 mm
N522744A - WX7550/44A	Ø 8-12-16-20-24-28-32-36-40-44 mm
N522745A - WX7550/45A	Ø 9-13-17-21-25-29-33-37-41-45 mm
N522750A - WX7550/50A	Ø 9-13-17-21-25-29-33-37-41-45-50 mm
N5227PG - WX7550/PG	Ø 6- 9-12,5-15-18,6-20,5-22,5-26-28,5-30,5-34-37,5 mm

Tech. Code	GR58 Euro	Ø min/max mm	Progression mm	Ø shank mm	Length mm
N522713A	33,00	4 - 13	1	8	80
N522722A	47,10	4 - 22	3	8	64
N522723A	48,90	5 - 23	3	8	64
N522724A	52,90	6 - 24	3	8	65
N522724B	68,70	6 - 24	2	9	88
N522730A	85,30	4 - 30	2	9	100
N522742A	151,80	6 - 42	4	11	82

Tech. Code	GR58 Euro	Ø min/max mm	Progression mm	Ø shank mm	Length mm
N522743A	(162,80)	7 - 43	4	11	82
N522744A	(171,30)	8 - 44	4	11	84
N522745A	178,60	9 - 45	4	11	84
N522750A	(181,50)	9 - 50	4 - 5	11	89
N522732A	(175,40)	6,5 - 32,5	-	10	120
N522740A	206,30	7 - 40,5	-	10	115
N5227PG	142,90	6 - 37,5	PG (*)	10	100

(*) Execution of through holes for cable gland fittings with PG thread

ITEM: WX7555

Conical step drills **PREMIUM QUALITY** in HSS-CO steel with high surface resistance, suitable for drilling ferrous materials, aluminum, copper and plastic materials with thicknesses up to 5 and 10 mm. Dimensions of the drilling diameters laser engraved on the groove and cylindrical shank with driving planes.



Specifications:

Drilling up to 10 mm

N522823A - WX7555/23A	Ø 5-8-11-14-17-20-23 mm
N522824A - WX7555/24A	Ø 6-9-12-15-18-21-24 mm
N522825A - WX7555/25A	Ø 7-10-13-16-19-22-25 mm

Drilling up to 5 mm

N522836A - WX7555/36A	Ø 6-9-12-15-18-21-24-27-30-33-36 mm
N522837A - WX7555/37A	Ø 7-10-13-16-19-22-25-28-31-34-37 mm
N522838A - WX7555/38A	Ø 8-11-14-17-20-23-26-29-32-35-38 mm

Tech. Code	GR58 Euro	Ø min/max mm	Progression mm	Ø shank mm	Length mm
N522823A	59,00	5 - 23	3	10	110
N522824A	61,20	6 - 24	3	10	110
N522825A	64,40	7 - 25	3	10	110

Tech. Code	GR58 Euro	Ø min/max mm	Progression mm	Ø shank mm	Length mm
N522836A	99,10	6 - 36	3	11	97
N522837A	101,60	7 - 37	3	11	97
N522838A	106,60	8 - 38	3	11	97

Related products

GLOVES IN NYLON/SPANDEX WITH 4/4 COATED IN NITRIL FOAM SANITIZED COATING

Tech. Code	Size	EU size
K232807	M	7
K232808	L	8
K232809	XL	9



Product available in index K

CONICAL STEP DRILLS

WRK

ITEM: N5230

HSS steel, suitable for ferrous and non-ferrous metal and plastic.

Tech. Code	GR76 Euro	Ø min/max mm	Ø intermediate mm	Ø shank mm	Total len. mm
N52300412	27,80	4-12	5-6-7-8-9 10-11	6	80
N52300420	35,10	4-20	6-8-10-12 14-16-18	8	67
N52300630	58,20	6-30	8-10-12-14-16-18 20-22-24-26-28	10	98
N52300936	94,50	9-36	12-15-18-21-24 27-30-33	12	86
N52301220	46,20	12-20	13-14-15-16 17-18-19	9	76
N52302030	80,00	20-30	21-22-23-24-25 26-27-28-29	12	88



CONICAL STEP DRILL BIT SET

WRK

ITEM: N5231

Step drill bit set in rigid plastic box.

Tech. Code	GR76 Euro	Series pcs	Milling cutters
N5231SET3/1	162,30	3	Ø4-12 Ø12-20 Ø20-30



CONICAL DRILLS FOR SHEET METAL

WRK

ITEM: N5233

HSS-E steel, suitable for ferrous and non-ferrous metal and plastic.

Tech. Code	GR76 Euro	Drill bit n°	Ø mm	Shank Ø mm	Total length mm
N52333-14	30,20	1	3-14	6	58
N52336-20	41,10	2	6-20	8	71
N523316-30,5	78,70	3	16-30.5	9	76
N523324-40	159,90	4	24-40	10	89
N523336-50	239,90	5	36-50	12	97
N523340-61	293,00	6	40-61	13	102



CONICAL DRILL BIT SET FOR SHEET METAL

WRK

ITEM: N5234

Conical drill bit set in metal case.

Tech. Code	GR76 Euro	Pieces in set	Drill bits n°
N5234SET3/1	187,60	3	1 - 2 - 3

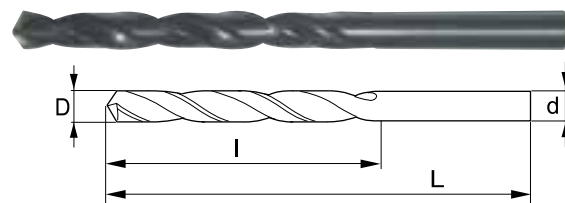


JOBBER DRILLS FOR SMALL PRODUCTION SERIES

DIN	HSS		N/R
338	+ HM	118°	

ITEM: N5240

Geometry Right hand N/R type normal flute
 Point angle 118°
 Surface treatment Vaporized
 Application General application
 Roll forged execution



< 500	< 850	< 1200	< 600	< 850	Duplex	< 240	< 300	< 10% Si	> 10% Si	Brass Copper	Bronze >700	Ti6Al4V	HTA	< 45	< 60
●	○	○								○	○				

Tech. Code	GR76 Euro	D H8 mm	I mm	L mm	d mm	
N524002,5	1,10	2,5	30	57	2,5	10
N524003	1,10	3	33	61	3	10
N524003,5	1,10	3,5	39	70	3,5	10
N524004	1,10	4	43	75	4	10
N524004,25	1,44	4,25	43	75	4,25	10
N524004,5	1,10	4,5	47	80	4,5	10
N524005	1,10	5	52	86	5	10
N524005,5	1,10	5,5	57	93	5,5	10
N524006	1,10	6	57	93	6	10
N524006,5	2,21	6,5	63	101	6,5	10
N524007	2,21	7	69	109	7	10
N524007,5	2,21	7,5	69	109	7,5	10

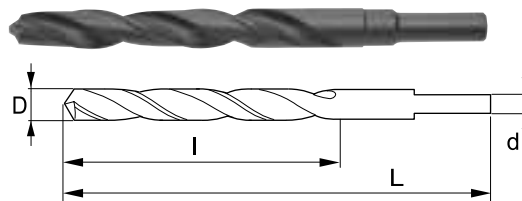
Tech. Code	GR76 Euro	D H8 mm	I mm	L mm	d mm	
N524008	2,21	8	75	117	8	10
N524008,5	2,21	8,5	75	117	8,5	10
N524009	3,31	9	81	125	9	10
N524009,5	3,31	9,5	81	125	9,5	10
N524010	3,31	10	87	133	10	10
N524010,5	4,41	10,5	87	133	10,5	10
N524011	4,41	11	94	142	11	5
N524011,5	4,41	11,5	94	142	11,5	5
N524012	5,52	12	101	151	12	5
N524012,5	7,72	12,5	101	151	12,5	5
N524013	8,83	13	101	151	13	5

DRILLS WITH REDUCED SHANK

DIN	HSS		N/R
338		118°	

ITEM: N5241

Geometry Right hand N/R type normal flute
 Point angle 118°
 Surface treatment Vaporized
 Application General application
 Roll forged execution.



< 500	< 850	< 1200	< 600	< 850	Duplex	< 240	< 300	< 10% Si	> 10% Si	Brass Copper	Bronze >700	Ti6Al4V	HTA	< 45	< 60
●	○	○								○	○				

Tech. Code	GR76 Euro	D mm	I mm	L mm	d mm	
N524110,5	4,41	10,5	87	133	10	1
N524111	4,41	11	94	142	10	1
N524111,5	4,41	11,5	94	142	10	1
N524112	5,52	12	101	151	10	1
N524112,5	5,52	12,5	101	151	10	1
N524113	5,52	13	101	151	10	1
N524113,5	6,62	13,5	108	160	13	1
N524114	6,62	14	108	160	13	1
N524114,5	7,72	14,5	114	169	13	1
N524115	7,72	15	114	169	13	1

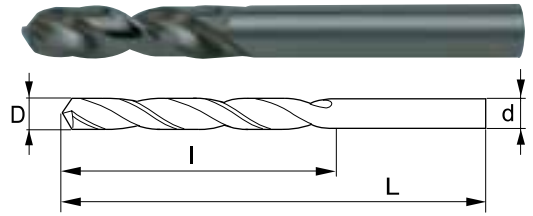
Tech. Code	GR76 Euro	D mm	I mm	L mm	d mm	
N524115,5	8,83	15,5	120	178	13	1
N524116	8,83	16	120	178	13	1
N524116,5	9,93	16,5	125	184	13	1
N524117	9,93	17	125	184	13	1
N524117,5	11,03	17,5	130	191	13	1
N524118	11,03	18	130	191	13	1
N524118,5	12,13	18,5	135	198	13	1
N524119	13,24	19	135	198	13	1
N524119,5	13,24	19,5	140	205	13	1
N524120	14,34	20	140	205	13	1

STUB DRILLS FOR SMALL PRODUCTION SERIES

DIN	HSS	118°	N/R
1897			

ITEM: N5242

Geometry Standard helix, right hand cutting
 Point angle 118°
 Surface treatment Vaporized
 Application General use
 Ground execution



< 500	< 850	< 1200	< 600	< 850	Duplex	< 240	< 300	< 10% Si	> 10% Si	Brass Copper	Bronze >700	Ti6Al4V	HTA	< 45	< 60
●	○	○								○					

Tech. Code	GR76 Euro	D H8 mm	I mm	L mm	
N524203	1,10	3	14	37	10
N524203,1	1,10	3,1	14	37	10
N524203,2	1,10	3,2	14	37	10
N524203,25	1,10	3,25	16	40	10
N524203,3	1,10	3,3	16	40	10
N524203,4	1,10	3,4	16	40	10
N524203,5	1,10	3,5	16	42	10
N524203,6	1,10	3,6	16	42	10
N524203,7	1,10	3,7	16	42	10
N524203,75	1,10	3,75	16	42	10
N524203,8	1,10	3,8	16	42	10
N524204	1,10	4	16	42	10
N524204,1	1,10	4,1	18	44	10

Tech. Code	GR76 Euro	D H8 mm	I mm	L mm	
N524204,2	2,21	4,2	18	44	10
N524204,5	2,21	4,5	20	48	10
N524204,8	2,21	4,8	20	48	10
N524204,9	2,21	4,9	22	50	10
N524205	2,21	5	22	50	10
N524205,1	2,21	5,1	24	52	10
N524205,2	2,21	5,2	24	52	10
N524205,3	2,21	5,3	24	52	10
N524205,5	2,21	5,5	24	52	10
N524205,6	2,21	5,6	26	55	10
N524205,7	2,21	5,7	26	55	10
N524205,8	2,21	5,8	26	55	10
N524206	2,21	6	26	55	10

JOBBER DRILL SETS

DIN	HSS	118°	N/R
338			

ITEM: N5245

Geometry Right hand N/R type normal helix
 Point angle 118°
 Surface treatment Steam tempering
 Application General application
 Roll forget



Tech. Code	GR76 Euro	Description	
N5245SET19	27,85	Assorted drill set art. N5240 from 1,00 to 10,00 x 0,50	1
N5245SET25	44,98	Assorted drill set art. N5240 from 1,00 to 13,00 x 0,50	1

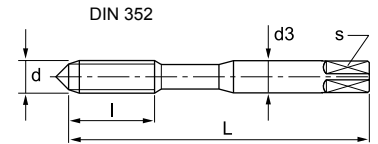
HAND TAP 3° FINISHING - M

DIN	HSS	M	60°
352			

ITEM: N5248

ISO thread DIN 13 coarse pitch

Tolerance ISO 6H
 Surface finish Bright
 Hole type Blind and through
 Execution C 2/3
 Application Steel and non ferrous materials with $R \leq 750/\text{mm}^2$



< 500	< 850	< 1200	< 600	< 850	Duplex	< 240	< 300	< 10% Si	> 10% Si	Brass Copper	Bronze >700	Ti6Al4V	HTA	< 45	< 60
●	○		○			○		○							

Tech. Code	GR76 Euro	d x p mm	L mm	I mm	d3 mm	S mm	Tapping hole mm
N5248M3	2,27	3 x 0,5	40	10	3,5	2,7	2,5
N5248M4	2,27	4 x 0,7	45	12	4,5	3,4	3,3
N5248M5	2,27	5 x 0,8	50	14	6	4,9	4,2
N5248M6	3,41	6 x 1	50	16	6	4,9	5
N5248M7	4,54	7 x 1	50	18	6	4,9	6
N5248M8	4,54	8 x 1,25	63	22	6	4,9	6,8
N5248M10	5,52	10 x 1,5	70	24	7	5,5	8,5

Tech. Code	GR76 Euro	d x p mm	L mm	I mm	d3 mm	S mm	Tapping hole mm
N5248M12	6,62	12 x 1,75	75	29	9	7	10,2
N5248M14	11,03	14 x 2	80	30	11	9	12
N5248M16	12,13	16 x 2	80	32	12	9	14
N5248M18	16,55	18 x 2,5	95	40	14	11	15,5
N5248M20	19,86	20 x 2,5	95	40	16	12	17,5
N5248M22	22,06	22 x 2,5	100	40	18	14,5	19,5
N5248M24	25,37	24 x 3	100	50	18	14,5	21

STRAIGHT FLUTE TAPS FOR THROUGH HOLES - M

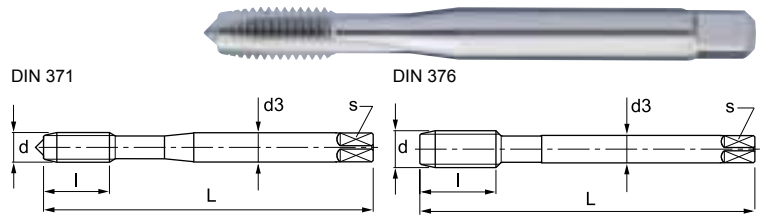
DIN	HSSE	HSS	M
371/6			60°

ITEM: N5250

ISO coarse thread DIN 13

Tolerance	6H ISO 2
Surface finish	Bright
Threaded profile	< 2XD
Hole type	Through
Application	General use on low-alloyed steel

Tech. Code	GR76 Euro	d x p mm	L mm	l mm	d3 mm	s mm	Tapping hole mm	DIN
N5250M3	9,40	3 x 0,5	56	10	3,5	2,7	2,5	371
N5250M4	9,40	4 x 0,7	63	12	4,5	3,4	3,3	371
N5250M5	9,50	5 x 0,8	70	14	6	4,9	4,2	371
N5250M6	9,60	6 x 1	80	16	6	4,9	5	371



< 500	< 850	< 1200	< 600	< 850	Duplex	< 240	< 300	< 10% Si	> 10% Si	Brass Copper	Bronze >700	Ti6Al4V	HTA	< 45	< 60
●	○	○						●							

Tech. Code	GR76 Euro	d x p mm	L mm	l mm	d3 mm	s mm	Tapping hole mm	DIN
N5250M8	11,70	8 x 1,25	90	18	8	6,2	6,8	371
N5250M10	13,50	10 x 1,5	100	20	10	8	8,5	371
N5250M12	19,20	12 x 1,75	110	25	9	7	10,2	376

SPIRAL FLUTE TAPS FOR BLIND HOLES - M

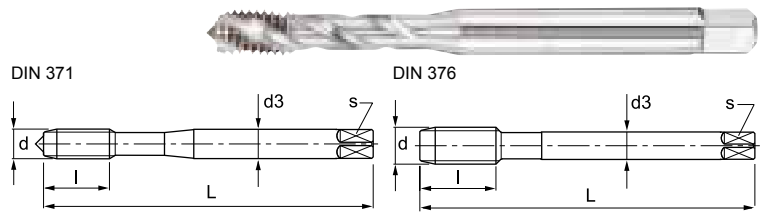
DIN	HSSE	M
371/6		60°

ITEM: N5252

ISO Threading coarse pitch thread DIN 13

Tolerance	6H ISO 2
Surface finish	Bright
Thread profile	< 2,5XD
Hole type	Blind
Application	Generic use on low-alloyed steel

Tech. Code	GR76 Euro	d x p mm	L mm	l mm	d3 mm	s mm	Tapping hole mm	DIN
N5252M3	10,40	3 x 0,5	56	7	3,5	2,7	2,5	371
N5252M4	10,40	4 x 0,7	63	8,5	4,5	3,4	3,3	371
N5252M5	10,40	5 x 0,8	70	10	6	4,9	4,2	371
N5252M6	10,40	6 x 1	80	12	6	4,9	5	371



< 500	< 850	< 1200	< 600	< 850	Duplex	< 240	< 300	< 10% Si	> 10% Si	Brass Copper	Bronze >700	Ti6Al4V	HTA	< 45	< 60
●	○	○						●							

Tech. Code	GR76 Euro	d x p mm	L mm	l mm	d3 mm	s mm	Tapping hole mm	DIN
N5252M8	12,60	8 x 1,25	90	15	8	6,2	6,8	371
N5252M10	13,90	10 x 1,5	100	17,5	10	8	8,5	371
N5252M12	19,50	12 x 1,75	110	18	9	7	10,2	376

TAP FOR NUTS

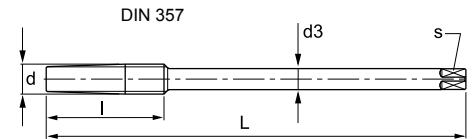
DIN	HSSE	M
357		60°

ITEM: N5253

ISO thread DIN 13 coarse pitch

Tolerance	6H ISO 2
Surface finish	Bright
Thread depth	≤ 2XD
Hole type	Through
Execution	B 18/20
Application	Nut tapping

Tech. Code	GR76 Euro	d x p mm	L mm	l mm	d3 mm	s mm	Tapping hole mm
N5253M3	11,03	3 x 0,5	70	22	2,2	-	2,5
N5253M4	11,03	4 x 0,7	90	25	2,8	2,1	3,3
N5253M5	13,23	5 x 0,8	100	28	3,5	2,7	4,2
N5253M6	15,44	6 x 1	110	32	4,5	3,4	5



< 500	< 850	< 1200	< 600	< 850	Duplex	< 240	< 300	< 10% Si	> 10% Si	Brass Copper	Bronze >700	Ti6Al4V	HTA	< 45	< 60
●	●														

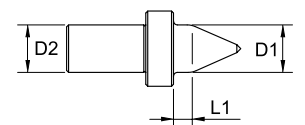
Tech. Code	GR76 Euro	d x p mm	L mm	l mm	d3 mm	s mm	Tapping hole mm
N5253M8	17,64	8 x 1,25	125	40	6	4,9	6,8
N5253M10	22,05	10 x 1,5	140	45	7	5,5	8,5
N5253M12	35,28	12 x 1,75	180	50	9	7	10,2

THERMAL FRICTION DRILLS

ITEM: N5260

The DRABUS friction drilling process creates the possibility of making holes in thin metal sheets and thin-walled tubes in just a few seconds without chips, while forming a bushing at the same time. This bushing can be used as a soldering or welding connection or as a bearing bushing. By tapping a screw-thread it can also be used as screw connection. The DRABUS friction drilling process replaces and eliminates the use of rivet or welding nuts as well as steel insert bushings. It accordingly saves time, work and material.

Tech. Code	GR76 Euro	D1 mm	Threading mm	Max thickness mm	L1 mm	D2 mm	RPM
N5260370	88,30	3,7	M4 x 0,7	<0,7	3	6	5300
N5260460	92,60	4,6	M5 x 0,8	<1,0	4,5	8	4100
N5260540	100,10	5,4	M6 x 1,0	<1,0	5	8	3500
N5260730	121,60	7,3	M8 x 1,25	<1,5	6	8	3300
N5260920	145,30	9,2	M10 x 1,5 - 1/8" Gas	<2,0	7,5	12	2750
N52601240	198,00	12,4	1/4" Gas	<2,0	6,3	12	2000



BI-METAL HOLE SAWS



ITEM: N5270

Bi-metal saw ring with HSS M42 (8% Co) cutting edge, sturdy steel body construction, medium hardness 63 HRC, suitable for steel, aluminium, copper, bronze, etc., max. cutting depth 35 mm.

Tech. Code	GR76 Euro	Ø mm
N527014	7,23	14
N527016	7,23	16
N527017	7,23	17
N527019	7,23	19
N527020	7,23	20
N527021	7,23	21
N527022	7,35	22
N527024	7,68	24
N527025	7,79	25
N527027	8,35	27
N527029	8,68	29
N527030	8,90	30
N527032	9,24	32
N527033	9,68	33
N527035	9,90	35
N527037	10,24	37
N527038	10,35	38
N527040	10,91	40

Tech. Code	GR76 Euro	Ø mm
N527041	11,01	41
N527043	11,57	43
N527044	11,57	44
N527046	12,02	46
N527048	12,24	48
N527051	12,58	51
N527052	12,68	52
N527054	12,92	54
N527057	14,25	57
N527059	14,35	59
N527060	14,81	60
N527064	14,91	64
N527065	15,36	65
N527067	16,02	67
N527068	16,47	68
N527070	16,25	70
N527073	17,03	73
N527076	17,59	76

Tech. Code	GR76 Euro	Ø mm
N527079	18,03	79
N527083	20,03	83
N527086	20,37	86
N527089	20,48	89
N527092	21,03	92
N527095	22,93	95
N527098	25,04	98
N527102	26,60	102
N527105	28,16	105
N527108	28,38	108
N527111	29,94	111
N527114	28,38	114
N527121	35,06	121
N527127	36,95	127
N527140	43,52	140
N527152	47,86	152



BI-METAL HOLE SAWS - SHARK



ITEM: N5272

Cutting edge made of Bi-metal HSS 8% Cobalt (M42). Progressive variable toothing 4/6 suitable for Steel, Stainless Steel, Aluminium, Copper, Bronze, etc. Maximum cutting depth 48mm.

Tech. Code	GR76 Euro	Ø mm
N527214	8,61	14
N527216	9,14	16
N527217	9,35	17
N527219	9,35	19
N527220	9,66	20
N527221	10,29	21
N527222	9,66	22
N527224	11,24	24
N527225	11,55	25
N527227	12,50	27
N527229	13,23	29
N527230	13,55	30
N527232	14,70	32
N527233	15,65	33
N527235	15,96	35
N527237	16,80	37
N527238	17,01	38
N527240	17,12	40
N527241	17,43	41
N527243	17,96	43

Tech. Code	GR76 Euro	Ø mm
N527244	18,38	44
N527245	18,90	45
N527246	19,22	46
N527248	20,27	48
N527250	20,90	50
N527251	21,21	51
N527252	21,95	52
N527254	22,58	54
N527255	23,31	55
N527257	23,73	57
N527259	24,57	59
N527260	24,89	60
N527264	26,57	64
N527265	26,99	65
N527267	27,41	67
N527268	29,19	68
N527270	30,14	70
N527273	31,40	73
N527275	31,71	75
N527276	32,55	76

Tech. Code	GR76 Euro	Ø mm
N527279	33,50	79
N527283	35,39	83
N527286	36,65	86
N527289	37,59	89
N527292	38,85	92
N527295	40,53	95
N527298	41,79	98
N5272100	43,89	100
N5272102	44,52	102
N5272105	48,09	105
N5272108	49,35	108
N5272111	50,51	111
N5272114	53,13	114
N5272121	56,28	121
N5272127	61,32	127
N5272140	67,62	140
N5272146	70,35	146
N5272152	72,35	152



SHARK TOOTH



COUPLING FOR BI-METAL HOLE SAWS



ITEM: N5273

Complete with pilot drill bit adjustable through the screw on the side of the chuck.

Tech. Code	GR76 Euro	For saw Ø mm	Shank mm	Pilot drill bit mm
N52731	14,40	▲ 14-30	6.5	6.35
N52732	14,40	● 14-30	9.50	6.35
N52733	16,90	● 14-30	11.00	6.35
N52734	27,70	● 32-152	11.00	6.35



DRILL BITS FOR BI-METAL HOLE SAWS



Tech. Code	GR76 Euro	Chuck drill bits	
N52746	9,10	N5273 1	2
N52747	9,10	N5273 2-3-4-5	2



BI-METAL HOLE SAWS IN CASE

WRK

ITEM: N5276

Set of 6 bimetallic hole saws for precision drilling with cutting depth of 35 mm max. Recommended for cutting steel, cast Iron, aluminum, copper, wood and plastic.

Composition:

- 6 Hole saws Ø 22 - 29 - 35 - 44 - 51 - 64 mm
- 1 Attack 14-30 mm
- 1 Attack 32-152 mm
- 1 Reduction

Tech. Code	GR76 Euro	Pieces
N5276SET6	100,00	9



BI-METAL HOLE SAWS IN CASE - SHARK

WRK

ITEM: N5277

Kit 9 pcs bi-metal hole saws SHARK HIGH SPEED with progressive variable toothing 4/6, including two attachments and a reduction.

Composition:

- 9 Hole saws Ø 19 - 22 - 29 - 35 - 38 - 44 - 51 - 57 - 64 mm
- 1 Attack 14-30 mm
- 1 Attack 32-152 mm
- 1 Reduction

Tech. Code	GR76 Euro	Pieces
N5277SET9	143,90	12



Related products

WRK GLOVES IN CONTINUOUS NYLON WIRE POLYURETHANE COATED

Tech. Code	Size	EU size
K23117	M	7
K23118	L	8
K23119	XL	9



The products are available in chapter K

HSSE HOLE CUTTERS FOR STEEL AND STAINLESS STEEL

WODEX

ITEM: WX7500

PREMIUM QUALITY cutters in HSSE with special ground grinding for immediate chip evacuation and greater cutting efficiency. Completed with spindle, tip and spring for the expulsion of waste.

Applications:

Execution of through holes on steel, stainless steel, light alloys and hard plastic with a profundity up to 10 mm.

The use of cutting oils is recommended.



Tech. Code	GR58 Euro	Ø mm	d mm	D mm	h mm
N527812	21,30	12	5	7	21
N527813	27,00	13	5	7	21
N527814	28,10	14	5	8	21
N527815	28,80	15	5	8	21
N527816	29,50	16	5	8	21
N527817	29,90	17	5	8	21
N527818	30,60	18	5	8	22
N527819	32,10	19	5	8	22
N527820	33,50	20	5	8	23
N527821	35,20	21	5	8	23
N527822	37,30	22	5	8	23
N527823	38,40	23	6	9	23
N527824	39,80	24	6	9	25
N527825	41,30	25	6	9	25
N527826	42,90	26	6	9	25
N527827	44,80	27	6	9	25
N527828	46,30	28	6	9	25
N527829	47,80	29	6	9	25
N527830	49,30	30	6	9	25
N527831	50,70	31	6	9	27
N527832	52,30	32	6	9	27
N527833	53,90	33	6	9	27
N527834	55,60	34	6	9	27
N527835	57,50	35	6	9	27
N527836	58,70	36	6	10	27
N527837	60,40	37	6	10	27
N527838	62,50	38	6	10	27
N527839	66,40	39	6	10	27
N527840	67,30	40	6	10	27
N527841	68,70	41	6	10	27
N527842	70,20	42	6	10	27
N527843	71,80	43	6	10	27
N527844	73,00	44	6	10	27
N527845	75,00	45	6	10	27
N527846	76,30	46	6	10	27
N527847	78,20	47	6	10	27
N527848	79,60	48	6	10	27
N527849	80,80	49	6	10	27
N527850	82,50	50	8	12	27
N527851	115,30	51	8	12	27
N527852	122,70	52	8	12	27
N527853	(119,70)	53	8	12	27
N527854	122,00	54	8	12	27
N527855	129,90	55	8	12	28
N527856	127,10	56	8	12	28

Tech. Code	GR58 Euro	Ø mm	d mm	D mm	h mm
N527857	(129,20)	57	8	12	28
N527858	(131,30)	58	8	12	28
N527859	(133,70)	59	8	12	28
N527860	141,10	60	8	12	28
N527861	(162,70)	61	8	12	28
N527862	172,00	62	8	12	28
N527863	(167,30)	63	8	12	28
N527864	(170,50)	64	8	12	28
N527865	179,90	65	8	12	29
N527866	(176,50)	66	8	12	29
N527867	(178,50)	67	8	12	29
N527868	181,10	68	8	12	29
N527869	(182,90)	69	8	12	29
N527870	193,10	70	8	12	29
N527871	(187,20)	71	8	12	29
N527872	(189,90)	72	8	12	29
N527873	(192,50)	73	8	12	29
N527874	(195,00)	74	8	12	29
N527875	197,70	75	8	12	29
N527876	(200,70)	76	8	12	29
N527877	(202,80)	77	8	12	29
N527878	(205,40)	78	8	12	29
N527879	(207,20)	79	8	12	29
N527880	(211,10)	80	8	12	29
N527881	(213,20)	81	8	12	29
N527882	(215,90)	82	8	12	29
N527883	(218,50)	83	8	12	29
N527884	(221,10)	84	8	12	29
N527885	(223,70)	85	8	12	29
N527886	(226,30)	86	8	12	29
N527887	(228,90)	87	8	12	29
N527888	(231,60)	88	8	12	29
N527889	(234,00)	89	8	12	29
N527890	(236,70)	90	8	12	29
N527891	(239,50)	91	8	13	30
N527892	(241,80)	92	8	13	30
N527893	(244,50)	93	8	13	30
N527894	(247,30)	94	8	13	30
N527895	(249,70)	95	8	13	30
N527896	(252,20)	96	8	13	30
N527897	(254,90)	97	8	13	30
N527898	(257,40)	98	8	13	30
N527899	(260,00)	99	8	13	30
N527900	(262,70)	100	8	13	30

Wodex spare parts available on request: Drill WX7501 - Coupling WX7503

HSS STEEL HOLE CUTTERS WITH CHIP BREAKER

WRK

ITEM: N5280

Complete with shank drill bit and extraction spring, suitable for steel, cast iron, aluminium, etc., max. cutting depth 5 mm.

Tech. Code	GR01 Euro	Ø mm	d mm	D mm	h mm
N528012	18,20	12	5	7	20
N528013	19,90	13	5	7	20
N528014	20,30	14	5	8	20
N528015	21,60	15	5	8	20
N528016	22,00	16	5	8	20
N528017	22,90	17	5	8	20
N528018	23,30	18	5	8	20
N528019	24,80	19	5	8	20
N528020	25,80	20	5	8	20
N528021	26,80	21	5	8	20
N528022	27,80	22	5	8	20
N528023	29,10	23	6	9	20
N528024	30,10	24	6	9	20
N528025	31,60	25	6	9	20
N528026	32,70	26	6	9	20
N528027	33,50	27	6	9	20
N528028	35,00	28	6	9	20
N528029	36,00	29	6	9	20
N528030	37,20	30	6	9	20
N528031	38,20	31	6	9	22
N528032	39,70	32	6	9	22
N528033	40,80	33	6	9	22

Tech. Code	GR01 Euro	Ø mm	d mm	D mm	h mm
N528034	42,00	34	6	9	22
N528035	43,20	35	6	9	22
N528036	44,30	36	6	9	22
N528037	45,40	37	6	9	22
N528038	46,70	38	6	9	22
N528040	48,90	40	6	9	22
N528041	52,90	41	6	10	22
N528042	53,90	42	6	10	22
N528043	54,80	43	6	10	22
N528044	56,00	44	6	10	22
N528045	57,40	45	6	10	22
N528046	58,50	46	6	10	22
N528047	59,80	47	6	10	22
N528048	60,70	48	6	10	22
N528049	62,00	49	6	10	22
N528050	63,00	50	6	10	22
N528052	89,90	52	6	10	24
N528054	93,00	54	6	10	24
N528055	95,00	55	6	10	24
N528060	103,40	60	6	10	24
N528065	136,30	65	8	12	24
N528070	146,70	70	8	12	24



HOLE CUTTERS WITH CARBIDE TIPS

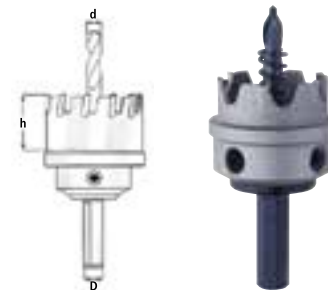


ITEM: N5285

Tungsten carbide tipped hole saws, interchangeable drill bit with spring extraction, suitable for stainless steel, aluminium with a high percentage of silicon, filled plastic, PVC, fibreglass and abrasive materials in general, cutting depth 4 mm.

Tech. Code	GR76 Euro	Ø mm	d mm	D mm	h mm
N528516	45,50	16	6	10	12
N528517	45,10	17	6	10	12
N528518	45,50	18	6	10	12
N528519	45,50	19	6	10	12
N528520	50,20	20	6	10	12
N528521	50,20	21	6	10	12
N528522	50,20	22	6	10	12
N528523	50,20	23	6	10	12
N528524	50,20	24	6	10	12
N528525	50,20	25	6	10	12
N528526	58,50	26	6	10	12
N528527	58,50	27	6	10	12
N528528	58,50	28	6	10	12

Tech. Code	GR76 Euro	Ø mm	d mm	D mm	h mm
N528529	58,50	29	6	10	12
N528530	58,50	30	6	10	12
N528532	68,20	32	6	10	12
N528533	68,20	33	6	10	12
N528535	68,20	35	6	10	12
N528536	77,60	36	6	10	12
N528538	79,60	38	6	10	12
N528540	79,60	40	6	10	12
N528542	91,70	42	6	10	12
N528545	91,70	45	6	10	12
N528548	104,40	48	6	10	12
N528550	104,40	50	6	10	12
N528560	133,00	60	6	13	12



TAP EXTRACTORS FOR BROKEN TAPS

ITEM: N5293

Remove broken taps and save the threads. Walton Tap Extractors let you remove broken taps without drilling, lasers, damaged threads, scrapped parts or repair inserts.

Model with 3 beam to put into the groove of a broken taps.



Tech. Code	GR76 Euro	MA	UM
N529303	48,80	M3	#4
N529304	48,80	M4	#8
N529305	48,80	M5	#10
N529306	50,40	M6	1/4"
N529308	52,70	M8 - M7	5/16"
N529310	52,70	M10 - M9	3/8"
N529312	58,70	M12	1/2"

Available on request others dimensions.

TWIST DRILLS FOR MASONRY/CONCRETE

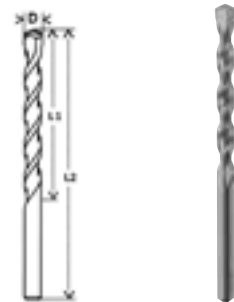


ITEM: SILVER PERCUSSION

Head with special geometry for high feed, wide HM cutting edge discharged at the bottom to avoid drill bit breakage and hard steel body with "U" spiral groove. Suitable for drilling masonry, concrete, natural and artificial stone.

Tech. Code	GR76 Euro	D mm	L1 mm	L2 mm
N53013X70	2,90	3	40	70
N53014X75	3,05	4	40	75
N53015X85	3,20	5	50	85
N53016X100	3,30	6	60	100
N53018X120	3,85	8	80	120
N53018X200	7,80	8	150	200
N53018X400	11,10	8	350	400
N530110X120	5,50	10	80	120
N530110X200	9,30	10	150	200

Tech. Code	GR76 Euro	D mm	L1 mm	L2 mm
N530110X400	14,80	10	350	400
N530112X150	8,30	12	90	150
N530112X200	11,60	12	150	200
N530112X400	14,20	12	350	400
N530114X150	10,80	14	90	150
N530114X400	16,90	14	350	400
N530116X160	13,90	16	100	160
N530116X400	20,00	16	350	400



DRILL BIT SET FOR MASONRY/CONCRETE



Drill bit set in plastic case.

Composition: Ø x Length

N5302SET5/1 4 x 75 - 5 x 85 - 6 x 100 (2 pcs.) - 8 x 120

N5302SET7/1 4 x 75 - 5 x 85 - 6 x 100 (2 pcs.) - 7 x 100 - 8 x 120 - 10 x 120

Tech. Code	GR76 Euro	Ø for length mm	Pieces
N5302SET5/1	13,70	4x75 - 5x85 - 6x100 (2 pcs.) - 8x120	5
N5302SET7/1	20,50	4x75 - 5x85 - 6x100 (2 pcs.) - 7x100 - 8x120 - 10x120	7



DRILL BITS FOR CONCRETE SDS-PLUS WITH TWO CUTTERS



ITEM: N5305

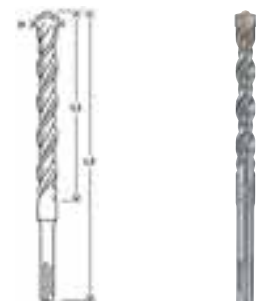
Head with HM cutting edges and geometry optimized for maximum energy transmission for fast drilling. Innovative four-fold spiral flute for the rapid removal of drilling dust, vibration reduction and for greater tip stability and durability.

Suitable for drilling masonry, reinforced concrete, natural and artificial stone.

Composition: Ø x Length 5 x 110 - 6 x 110 - 6 x 160 - 8 x 160 - 10 x 160 mm

Tech. Code	GR76 Euro	D mm	L1 mm	L2 mm	Z
N53054X110	5,60	4	50	110	2
N53055X110	4,45	5	50	110	2
N53055X160	5,40	5	100	160	2
N53056X110	4,45	6	50	110	2
N53056X160	4,80	6	100	160	2
N53056X210	8,30	6	150	210	2
N53058X110	5,60	8	50	110	2
N53058X160	5,70	8	100	160	2
N53058X210	6,80	8	150	210	2
N53058X260	8,80	8	200	260	2
N53058X460	20,00	8	400	460	2
N530510X160	6,70	10	100	160	2
N530510X210	8,20	10	150	210	2
N530510X260	10,40	10	200	260	2
N530510X460	17,20	10	400	460	2
N530512X160	7,90	12	100	160	2

Tech. Code	GR76 Euro	D mm	L1 mm	L2 mm	Z
N530512X210	9,20	12	150	210	2
N530512X260	11,80	12	200	260	2
N530512X460	20,50	12	400	460	2
N530514X160	11,70	14	100	160	2
N530514X210	13,40	14	150	210	2
N530514X260	14,60	14	200	260	2
N530514X460	25,00	14	400	460	2
N530516X210	16,90	16	150	210	2
N530516X310	19,70	16	250	310	2
N530516X450	33,00	16	400	450	2
N530518X300	35,50	18	250	300	2
N530518X450	37,00	18	400	450	2
N530520X300	40,50	20	250	300	2
N530520X450	42,50	20	400	450	2
N530522X450	67,50	22	400	450	2
N530525X450	79,00	25	400	450	2



DRILL BIT SET FOR CONCRETE SDS-PLUS WITH TWO CUTTERS



ITEM: N5306

Drill bit set in plastic case.

Composition: Ø x Length 5 x 110 - 6 x 110 - 6 x 160 - 8 x 160 - 10 x 160 mm

Tech. Code	GR76 Euro	Z	Pieces
N5306SET5/2	30,00	2	5



KIT TOOL BOX FOR PROFESSIONALS

WRK

ITEM: N5225

Kit tool box composed of:

HAND TAPS HSS DIN 352 / M3-M12

- For cutting internal threads
- Tested industrial quality

90° COUNTERSINKS HSS DIN 335 C / TIN / Ø 6,3-20,5 mm

- 100% defined cutting geometric
- Optimized chip removal
- Tested and reliable industrial quality

TWIST DRILLS HSS-G Ø 1-10,5 mm x 0,5 mm IN PASSI

- Universal twist drill for cordless drilling machines
- Ø 1,0-10,5 mm + Ø 3,3 / 4,2 / 6,8 / 10,2 mm (size for threading)
- For the most materials

Tech. Code	GR76 Euro	Pieces n°
N5225SET3	213,10	51



DRILL BITS FOR CONCRETE SDS-PLUS WITH FOUR CUTTERS

WRK

ITEM: MX4

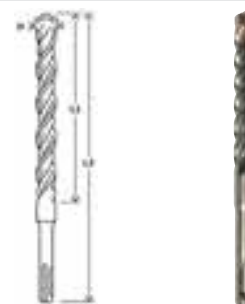
The SDS-Plus drills with 4 tungsten carbide cutters guarantee performance and durability up to 4 times higher than the same tips with 2 cutters. Suitable for drilling masonry, reinforced concrete, natural and artificial stone.

Features:

- 4-flute geometry for the maximum removal of drilling dust and debris
- Centring tip for easy spot drilling with pinpoint accuracy
- Enhanced rebar guards for improved resistance when hitting rebars
- New flute design with thin flute at the tip for maximum debris extraction, higher speed and less friction.

Tech. Code	GR76 Euro	D mm	L1 mm	L2 mm
N531005X115	(5,40)	5	50	115
N531005X165	(5,90)	5	100	165
N531006X115	(6,90)	6	50	115
N531006X165	(7,10)	6	100	165
N531006X215	(9,90)	6	150	215
N531006X265	(12,20)	6	200	265
N531007X165	(9,90)	7	100	165
N531008X115	(8,00)	8	50	115
N531008X165	(8,80)	8	100	165
N531008X215	(9,90)	8	150	215
N531008X265	(12,20)	8	200	265
N531008X315	(16,50)	8	250	315
N531010X160	(9,60)	10	100	160
N531010X215	(11,10)	10	150	215

Tech. Code	GR76 Euro	D mm	L1 mm	L2 mm
N531010X265	(12,80)	10	200	265
N531010X315	(15,80)	10	250	315
N531012X160	(10,70)	12	100	160
N531012X210	(13,20)	12	150	210
N531012X260	(14,90)	12	200	260
N531012X310	(20,20)	12	250	310
N531014X210	(20,20)	14	150	210
N531016X210	(24,40)	16	150	210
N531016X260	(28,10)	16	200	260
N531016X310	(32,80)	16	250	310
N531016X450	(34,00)	16	400	450
N531018X250	(32,10)	18	200	250
N531020X250	(38,80)	20	200	250
N531020X450	(44,60)	20	400	450



SDS - PLUS POINTED CHISELS FOR ROTARY AND DEMOLITION HAMMERS

BOSCH

ITEM: N5350

Coupling SDS Plus

Tech. Code	GR76 Euro	Length mm
N5350250	17,80	250



SDS - PLUS FLAT CHISELS FOR ROTARY AND DEMOLITION HAMMERS

BOSCH

ITEM: N5351

Coupling SDS Plus

Tech. Code	GR76 Euro	Cutting edge mm	Length mm
N5351250	17,80	20	250



SDS - MAX POINTED CHISELS FOR ROTARY AND DEMOLITION HAMMERS

BOSCH

ITEM: N5352

Coupling SDS Max

Tech. Code	GR76 Euro	Length mm
N5352400	27,00	400



SDS - MAX FLAT CHISELS FOR ROTARY AND DEMOLITION HAMMERS

BOSCH

ITEM: N5353

Coupling SDS Max

Tech. Code	GR76 Euro	Cutting edge mm	Length mm
N5353400	(27,00)	25	400



MILLING CUTTERS IN HSS WITH WELDON COUPLING 19



ITEM: HSS NOVA 25 3/4" WELDON

HSS core drills with Weldon 19 - 3/4" coupling for drilling steel and aluminium with magnetic-based drilling units. **Maximum cutting depth 25 mm.**

Tech. Code	GR82 Euro	Ø mm
N540012	(22,40)	12
N540013	(22,40)	13
N540014	(22,40)	14
N540015	(22,40)	15
N540016	(22,40)	16
N540017	(24,30)	17
N540018	(24,30)	18
N540019	(24,30)	19
N540020	(28,30)	20
N540021	(28,30)	21
N540022	(28,30)	22
N540023	(32,40)	23
N540024	(32,40)	24
N540025	(32,40)	25
N540026	(38,10)	26
N540027	(38,10)	27
N540028	(40,40)	28

Tech. Code	GR82 Euro	Ø mm
N540029	(40,40)	29
N540030	(43,30)	30
N540031	(43,30)	31
N540032	(50,10)	32
N540033	(50,10)	33
N540034	(56,90)	34
N540035	(56,90)	35
N540036	(56,90)	36
N540037	(66,20)	37
N540038	(66,20)	38
N540039	(66,20)	39
N540040	(74,50)	40
N540041	(74,50)	41
N540042	(81,00)	42
N540043	(81,00)	43
N540044	(85,30)	44
N540045	(85,30)	45

Tech. Code	GR82 Euro	Ø mm
N540046	(97,40)	46
N540047	(97,40)	47
N540048	(101,00)	48
N540049	(101,00)	49
N540050	(101,00)	50
N540051	(108,00)	51
N540052	(108,00)	52
N540053	(115,00)	53
N540054	(115,00)	54
N540055	(126,00)	55
N540056	(143,00)	56
N540057	(143,00)	57
N540058	(155,00)	58
N540059	(155,00)	59
N540060	(155,00)	60



MILLING CUTTERS IN HM WITH WELDON COUPLING 19



ITEM: HM ULTRA 35 3/4" WELDON

HM core drills with Weldon 19 - 3/4" coupling and hard metal teeth. High durability and considerable removal capacity on steel and stainless steel. Can be used with magnetic-based drilling units. **Maximum cutting depth 35 mm.**

Tech. Code	GR82 Euro	Ø mm
N541012	(55,90)	12
N541013	(55,90)	13
N541014	(55,90)	14
N541015	(55,90)	15
N541016	(55,90)	16
N541017	(55,90)	17
N541018	(55,90)	18
N541019	(55,90)	19
N541020	(55,90)	20
N541021	(55,90)	21
N541022	(55,90)	22
N541023	(55,90)	23
N541024	(55,90)	24
N541025	(55,90)	25
N541026	(55,90)	26
N541027	(55,90)	27
N541028	(55,90)	28

Tech. Code	GR82 Euro	Ø mm
N541029	(64,40)	29
N541030	(64,40)	30
N541031	(64,40)	31
N541032	(64,40)	32
N541033	(64,40)	33
N541034	(64,40)	34
N541035	(64,40)	35
N541036	(74,60)	36
N541037	(74,60)	37
N541038	(74,60)	38
N541039	(74,60)	39
N541040	(74,60)	40
N541041	(88,10)	41
N541042	(88,10)	42
N541043	(88,10)	43
N541044	(88,10)	44
N541045	(88,10)	45

Tech. Code	GR82 Euro	Ø mm
N541046	(98,00)	46
N541047	(98,00)	47
N541048	(98,00)	48
N541049	(98,00)	49
N541050	(98,00)	50
N541051	(108,00)	51
N541052	(108,00)	52
N541053	(108,00)	53
N541054	(108,00)	54
N541055	(108,00)	55
N541056	(114,00)	56
N541057	(114,00)	57
N541058	(114,00)	58
N541059	(114,00)	59
N541060	(114,00)	60



MILLING CUTTERS IN HSS WITH QUICKIN QUICK COUPLING



ITEM: HSS NOVA 25 QUICKIN

HSS core drills with **QuickIN** coupling for drilling steel and aluminum with magnetic-based drilling units. **Maximum cutting depth 25 mm.**

Tech. Code	GR82 Euro	Ø mm
N542012	(22,40)	12
N542013	(22,40)	13
N542014	(22,40)	14
N542015	(22,40)	15
N542016	(22,40)	16
N542017	(24,30)	17
N542018	(24,30)	18
N542019	(24,30)	19
N542020	(28,30)	20
N542021	(28,30)	21
N542022	(28,30)	22
N542023	(32,40)	23
N542024	(32,40)	24

Tech. Code	GR82 Euro	Ø mm
N542025	(32,40)	25
N542026	(38,10)	26
N542027	(38,10)	27
N542028	(40,40)	28
N542029	(40,40)	29
N542030	(43,30)	30
N542031	(43,30)	31
N542032	(50,10)	32
N542033	(50,10)	33
N542034	(56,90)	34
N542035	(56,90)	35
N542036	(56,90)	36
N542037	(66,20)	37

Tech. Code	GR82 Euro	Ø mm
N542038	(66,20)	38
N542039	(66,20)	39
N542040	(74,50)	40
N542041	(74,50)	41
N542042	(81,00)	42
N542043	(81,00)	43
N542044	(85,30)	44
N542045	(85,30)	45
N542046	(97,40)	46
N542047	(97,40)	47
N542048	(101,00)	48
N542049	(101,00)	49
N542050	(101,00)	50



MILLING CUTTERS IN HM WITH QUICKIN QUICK COUPLING



ITEM: HM ULTRA 35 QUICKIN

HM core drills with **QuickIN** quick coupling and teeth in hard metal. High durability and considerable removal capacity on steel and stainless steel. Can be used with magnet based drilling units. Max cutting depth 35 mm. with **QuickIN** quick coupling and teeth in hard metal. High durability and considerable removal capacity on steel and stainless steel. Can be used with magnet based drilling units. Max cutting depth 35 mm.

Tech. Code	GR82 Euro	Ø mm	Tech. Code	GR82 Euro	Ø mm	Tech. Code	GR82 Euro	Ø mm
N543012	(56,90)	12	N543028	(56,90)	28	N543048	(101,00)	48
N543013	(56,90)	13	N543029	(66,10)	29	N543049	(101,00)	49
N543014	(56,90)	14	N543030	(66,10)	30	N543050	(101,00)	50
N543015	(56,90)	15	N543031	(66,10)	31	N543051	(112,00)	51
N543015,5	(57,50)	15,5	N543032	(66,10)	32	N543052	(112,00)	52
N543016	(56,90)	16	N543033	(66,10)	33	N543053	(112,00)	53
N543017	(56,90)	17	N543034	(66,10)	34	N543054	(112,00)	54
N543017,5	(57,50)	17,5	N543035	(66,10)	35	N543055	(112,00)	55
N543018	(56,90)	18	N543036	(76,70)	36	N543056	(117,00)	56
N543019	(56,90)	19	N543037	(76,70)	37	N543057	(117,00)	57
N543019,5	(57,50)	19,5	N543038	(76,70)	38	N543058	(117,00)	58
N543020	(56,90)	20	N543039	(76,70)	39	N543059	(117,00)	59
N543021	(56,90)	21	N543040	(76,70)	40	N543060	(117,00)	60
N543022	(56,90)	22	N543041	(90,50)	41	N543061	(131,00)	61
N543023	(56,90)	23	N543042	(90,50)	42	N543062	(131,00)	62
N543024	(56,90)	24	N543043	(90,50)	43	N543063	(131,00)	63
N543025	(56,90)	25	N543044	(90,50)	44	N543064	(131,00)	64
N543026	(56,90)	26	N543045	(90,50)	45	N543065	(131,00)	65
N543026,5	(57,50)	26,5	N543046	(101,00)	46			
N543027	(56,90)	27	N543047	(101,00)	47			



CENTERING PINS FOR DRILLING UNITS



ITEM: 63134998300 - 63134998310

Centering pins for cutters with Weldon coupling 19 and QuickIN.

Tech. Code	GR82 Euro	Ø mm	Length mm	Depth mm
N5439082	(16,70)	6,5	82	25
N5439100	(16,70)	6,5	100	35



ADAPTORS FOR DRILLING UNITS



ITEM: N5440

Adapters for milling cutters and chucks usable with magnetic-based drilling units.

Tech. Code	GR82 Euro	Machine coupling	Tool coupling	Form
N5440QI-W19	(24,80)	QuickIN	Weldon 19	For W 19 tools
N5440QI-1/2	(24,80)	QuickIN	1/2" - 20 UNF	For chucks
N5440QI-B16	(24,80)	QuickIN	B16	For chucks
N5440W19-QI	(53,50)	Weldon 19	QuickIN	For QuickIN tools
N5440W19-1/2	(25,00)	Weldon 19	1/2" - 20 UNF	For chucks
N5440W19-B16	(24,80)	Weldon 19	B16	For chucks



MORSE TAPER ADAPTORS FOR BORING UNITS



ITEM: N5450

Morse taper adapters for burr cutters with **QuickIN** quick coupling for use with magnetic base drilling.

Tech. Code	GR82 Euro	Machine coupling	Tool coupling	Length mm	For cutters Ø mm
N5450MK250	(197,00)	MK2	QuickIN	50	12 - 35
N5450MK275	(213,00)	MK2	QuickIN	75	12 - 35
N5450MK350	(197,00)	MK3	QuickIN	50	12 - 65
N5450MK375	(212,00)	MK3	QuickIN	75	12 - 65



MORSE TAPER ADAPTORS FOR DRILLING UNITS



ITEM: N5455

Morse taper adapters for annular cutters with Weldon shank 19 usable with magnetic base drilling units.

Tech. Code	GR82 Euro	Machine coupling	Tool coupling	Length mm	For cutters Ø mm
N5455MK250	(197,00)	MK2	Weldon 19	50	12 - 35
N5455MK275	(213,00)	MK2	Weldon 19	75	12 - 35
N5455MK350	(197,00)	MK3	Weldon 19	50	12 - 65
N5455MK375	(212,00)	MK3	Weldon 19	75	12 - 65



ITEM: 70365

Washing tanks for quick cleaning of mechanical parts and components in general. The system with low-pressure pneumatic operation, allows both the continuous flow of cleaning liquid with a brush to be washed and the immersion washing with the components immersed in the cleaning liquid inside the tank. For a correct use pour 48 - 52 liters of detergent liquid.

Standard equipment:
Knurled bristle brush N589001
Decanting grid/ filter

Tech. Code	N589000	
GR78	Euro	(631,00)
Tub capacity	L	50
Tank capacity	L	65
Maximum degergent pressure	BAR	0,5
Maximum blow gun pressure	BAR	12
Dimension of the tub	mm	510 x 670
Dimension	mm	510 x 670 x 1070
Weight	kg	47



LIQUID VACUUM CLEANERS BREEZY 25

LTEC Breezy



ITEM: N5900

Liquid vacuum cleaners, small, reliable, practical and versatile with a twin engine 1300 Watt, barrel polpropylene filter, washable filter 2300 cm², sealed snap and cart with door accessories. Strong and practical closing hook system. Anti-shock head splash with and 4 sliding wheels Ø 50 mm. Quick coupling for tube, Ø 36 mm accessories Ø 36 mm Kit A included.

Made in Italy

Tech. Code	GR78 Euro	Can L	Electric motors N°	Tension V	Depression mm/H ₂ O	Air capacity m ³ /h	Dimension cm	Weight kg
N590001	224,00	25	1	230	2200	180	34 x 34 x 64h	6



LIQUID VACUUM CLEANERS BREEZY 35

LTEC Breezy



ITEM: N5910

Professional liquid vacuum cleaners for high performance, reliable, versatile, practical, ideal for all types of workplaces. Motor twin engine 1300 Watt with a steel barrel and trolley in metal, 4 sliding wheels Ø 80 mm, washable polyester filter 2300 cm² tested Anti-shock head. Quick coupling for tube accessories Ø 40 mm, accessories Ø 40 mm Kit B included.

Made in Italy

Tech. Code	GR78 Euro	Can L	Electric motors N°	Tension V	Depression mm/H ₂ O	Air capacity m ³ /h	Dimension cm	Weight kg
N591001	288,00	35	1	230	2200	180	40 x 40 x 77h	10



LIQUID VACUUM CLEANERS BREEZY 50

LTEC Breezy



ITEM: N5920

Professional liquid vacuum cleaners for high performance, reliable, versatile, practical, ideal for all types of workplaces. Equipped with a overhead door frame for easier emptying. Motor twin engine 1300 Watt, steel barrel and trolley in metal, 2 sliding wheels Ø 80 mm + 2 sliding wheels Ø 200 mm, washable polyester filter 6900 cm² tested Anti-shock head. Quick coupling for tube Ø 40 mm, accessories Ø 40 mm Kit B included.

Made in Italy

Tech. Code	GR78 Euro	Can L	Electric motors N°	Tension V	Depression mm/H ₂ O	Air capacity m ³ /h	Dimension cm	Weight kg
N592001	330,00	50	1	230	2400	220	47 x 47 x 93h	20



LIQUID VACUUM CLEANERS BREEZY 70

LTEC Breezy



ITEM: N5930

Professional liquid vacuum cleaners for high performance, reliable, versatile, practical, ideal for all types of workplaces. Equipped with overhead door frame for easier emptying. Motor twin engine 1300 Watt, steel barrel and trolley in metal, 2 sliding wheels Ø 80 mm + 2 sliding wheels Ø 200 mm, washable polyester filter 6900 cm² Anti-shock tested. Quick coupling for tube accessories Ø 40 mm, accessories Ø 40 mm Kit C included.

Made in Italy

Tech. Code	GR78 Euro	Can L	Electric motors N°	Tension V	Depression mm/H ₂ O	Air capacity m ³ /h	Dimension cm	Weight kg
N593001	623,00	70	2	230	2200	360	60 x 59 x 105h	22



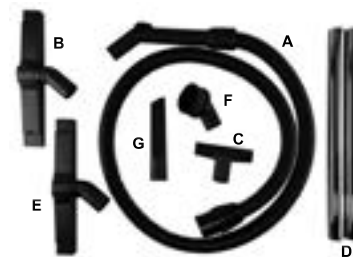
LIQUID VACUUM CLEANERS - ACCESSORIES AND SPARE PARTS Ø 36MM

I.TEC Breezy

ITEM: N5980

Accessories for vacuum cleaners with quick tube attachment Ø 36mm.

Tech. Code	GR78 Euro	Type	Description	Kit A Pieces
N598001	24,00	A	Hose fitting - complete with outlet - 2m	1
N598002	15,00	B	Brush for liquids 32cm	1
N598003	6,40	C	Car brushes 14cm	1
N598004	8,60	D	Chrome extension 50cm	2
N598005	12,00	E	Dust brushes 32cm	1
N598006	3,00	F	Circle brushes Ø 75mm	1
N598007	3,00	G	Flat brushes 20cm	1



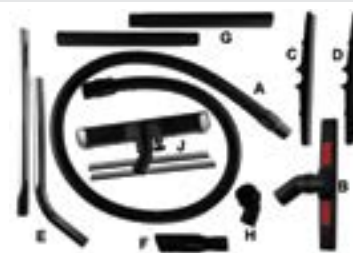
LIQUID VACUUM CLEANER - ACCESSORIES AND SPARE PARTS Ø 40MM

I.TEC Breezy

ITEM: N5990

Accessories for vacuum cleaners with quick tube attachment Ø 40mm.

Tech. Code	GR78 Euro	Type	Description	Kit B Pieces	Kit C Pieces
N599001	26,00	A	Flexible tube - complete with outlet - 2,5m	1	1
N599002	13,00	B	Brush holder 40cm	1	-
N599003	12,00	C	Dust brush 40cm	1	-
N599004	12,00	D	Brush for liquids 40cm	1	-
N599005	26,00	E	Chrome extension 1 starboard + 1 inclined	1 + 1	1 + 1
N599006	6,40	F	Flat launches 25cm	1	1
N599007	4,30	G	PVC extension 50cm	2	1
N599008	8,60	H	Circle brushes Ø 75mm	1	1
N599009	62,00	J	PROFY brushes	-	1



VACUUM CLEANERS - ACCESSORIES AND SPARE PARTS FILTER KITS

I.TEC Breezy

ITEM: N5995

Polpropylene filter kits for liquid vacuum cleaners.

Tech. Code	GR78 Euro	For models
N5995300	22,00	N590001
N5995330	25,00	N591001
N5995400	32,00	N592001 - N593001



VACUUM CLEANERS - ACCESSORIES AND SPARE MOTOR PARTS

I.TEC Breezy

ITEM: N5997

Twin motor by-pass 1300 Watt.

Tech. Code	GR78 Euro	For models
N59971300W	(123,00)	N590001 - N591001 - N592001 - N593001





ITEM: N6005

Single-phase Industrial aspirator/separator suitable for separating liquids and mixed solids. The liquidation of the liquids occurs by the inversion of the air flow generated by the turbine, eliminating any problems of possible blockage of the transfer pumps.

Features:

- Turbine with single-phase motor
- Liquid suction time L/sec 130/30
- Liquid dis-charge L/130/50
- Container made of galvanized steel
- Level probe with automatic locking system
- Suction mouth 50 mm ø
- Immediate recovery of lubricated fluids with re-immersion directly into the tank through the drainage hose with a sphere valve
- Accessories port

Standard equipment:

- 1 Nylon washable filter code N004820
- 1 Flexible tube PUR ø 50mm x 3 m code N00285003
- 1 Anti-static rubber sleeve 50mm ø code N002750
- 1 Exhaust hose 35mm x 3 m ø code N00285003
- 1 Sphere valve 1" - 1/4 code N003210
- 1 Flat nozzle L 400 mm in metal code N003350
- 1 Conical nozzle in rubber anti-oil code N003550



1	Carrying handle
3	Cover
5	Container for aspirated liquids
7	Drainage outlet
9	Accessories port
11	Drainage hose

2	Control On/Off
4	Filter housing
6	Pipe union for suction hose
8	Wheels
10	Aspiration hose
12	Electric cable

Tech. Code	GR78 Euro	Tank capacity L	Solids container L	Power supply V - Hz	Power Kw - HP	Depression mBar	Air capacity L/min	Sound level dB(A)	Dimension mm	Weight kg
N6005131	3547,20	130	40	230 - 50/60	2,4 - 3	230 max	5500 max	70	700 x 1180 x 1320 h	95

Conformity with the standard regulations EN 60204 - IEC 204/I - CEI 44/5 - 2006/42/CE - 2006/95/CE - 2004/108/CE

INDUSTRIAL ASPIRATOR/SEPARATORS TWISTOIL 280



ITEM: N6008

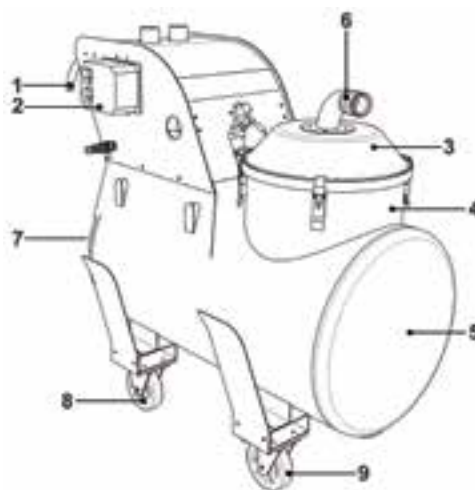
Industrial aspirator TWISTOIL 280 three-phase continuous use suitable for separating liquids and mixed solids. The liquidation of the liquids occurs by the inversion of the air flow generated by the turbine. Eliminating any problem of possible blockage of the transfer pumps.

Features:

- Turbine with three-phase motor
- Liquid suction time L/sec. 280/40
- Liquid discharge time L/sec. 280/50
- Container made of galvanized steel
- Level probe with automatic locking system
- Suction mouth 50mm ø
- Tank with capacity of 280 L which also acts as a sturdy supporting structure
- Immediate recovery of lubricated fluids with re-immersion directly into the tank through the drainage hose with a sphere valve
- Accessories port

Standard equipment:

- 1 Nylon washable filter code N004820
- 1 Flexible tube PUR ø 50mm x 3 m code N00285003
- 1 Anti-static rubber sleeve 50mm ø code N002750
- 1 Exhaust hose 50mm x 3 m ø code N00285003
- 1 Sphere valve 2" code N003220
- 1 Flat nozzle L 400 mm in metal code N003350
- 1 Conical nozzle in rubber anti-oil code N003550



1	Carrying handle
3	Cover
5	Container for aspirated liquids
7	Drainage outlet
9	Fixed wheels

2	Control on/off
4	Filter housing
6	Suction pipe connection
8	Rotating wheels

Tech. Code	GR78 Euro	Tank capacity L	Solids container L	Power supply V - Hz	Power Kw - HP	Depression mBar	Air capacity L/min	Sound level dB(A)	Dimension mm	Weight kg
N6008280	(5333,60)	280	40	400 - 50/60	2,5 - 3	330 max	5100 max	72	700 x 1450 x 1400 h	220

Conformity with the standard regulations EN 60204 - IEC 204/I - CEI 44/5 - 2006/42/CE - 2006/95/CE - 2004/108/CE



ITEM: N6015

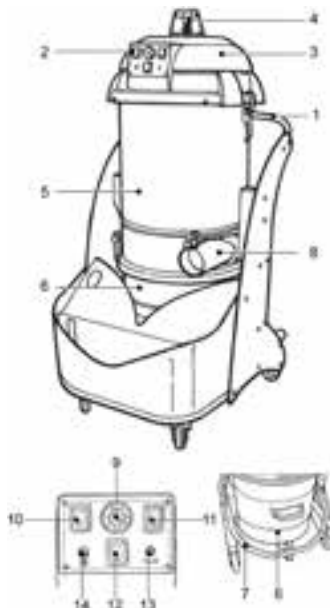
Single phase industrial aspirator, mobile, versatile and compact.
Reliable and maximum power of category.

Features:

- 3 By-pass independent motors
- Cyclone and tangential inlet of the material
- Manual mechanical filter shaker
- Voltage indicator
- Filter clogging indicator
- Vacuum gauge
- Compensation valve
- Magnetothermic switch
- Suction mouth $\varnothing$ 80 mm with reduction terminals for $\varnothing$ 50 mm hose
- Accessory compartment
- Container for quick-dislodged aspirated material

Standard equipment:

- 1 Polyester filter class M code N004520
- 1 Reduction terminal hose $\varnothing$ 80/50 mm code N00267050
- 1 Flexible hose PUR $\varnothing$ 50 x 3 m code N00285003
- 2 Antistatic rubber sleeve/nozzle $\varnothing$ 50mm code N002750
- 1 Conical lance anti-oil code N003550



1	Carrying handle
3	Cover
5	Filter housing
7	Release container debris lever
9	Vacuum gauge
11	2nd engine control on/off
13	Red light LED clogged filter

2	Controls
4	Cleaning filter lever
6	Container for aspirated debris
8	Suction pipe connection
10	1st engine control on/off
12	3rd engine control on/off
14	White light LED voltage presence

Tech. Code	GR78 Euro	Tank capacity L	Power supply V - Hz	Power Kw - HP	Max. depression mBar	Air capacity L/min	Medium filter IFA/BGIA	Sound level dB(A)	Dimension mm	Weight kg
N6015100	2165,60	100	230 - 50/60	3.6 - 4.5	250	9000 max	M	72	820 x 650 x 1640h	71

Conformity with the standard regulations EN 60204 - IEC 204/I - CEI 44/5 - 2006/42/CE - 2006/95/CE - 2004/108/CE

INDUSTRIAL ASPIRATOR HURRICANE 55



ITEM: N6020

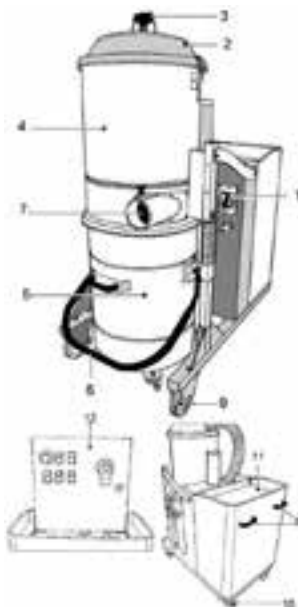
Industrial mobile three-phase aspirator, reliable with a very sturdy frame, for constant and continuous use.

Features:

- 1 Turbine with three-phase motor by-pass
- Cyclone with tangential input of the material
- Manual mechanical filter shaker
- Voltage indicator
- Filter clogging indicator
- Vacuum gauge
- Compensation valve
- Suction inlet 80 mm $\varnothing$ with reduction terminal with quick release hose 50 mm $\varnothing$
- Wheeled container for the aspirated material with quick release hook
- Accessories port

Standard equipment:

- 1 polyester filter class M code N004520
- 1 reduction terminal 80/50 mm $\varnothing$ code N00268050
- 1 flexible hose PUR 50 x 3 m $\varnothing$ code N00285003
- 2 Anti-static rubber sleeve/nozzle 50 mm $\varnothing$ code N002750
- 1 Conical lance anti-oil code N003550
- 1 flat lance L 400 mm in metal code N003350



1	Control on/off
3	Filter shaker
5	Container for aspirated debris
7	Suction pipe connection
9	Fixed wheels
11	Accessories port

2	Engine cover
4	Filter housing
6	Release container debris lever
8	Carrying handle
10	Rotating wheels with brake
12	Electric panel

Tech. Code	GR78 Euro	Tank capacity L	Power supply V - Hz	Power Kw - HP	Max. depression mBar	Max. Air capacity L/min	Medium filter IFA/BGIA	Sound level dB(A)	Dimension mm	Weight kg
N6020100	(4282,90)	100	400 - 50/60	4 - 5,5	300	8666	"M" CLASS	76	1250 x 650 x 1520h	155

Conformity with standard regulations EN 60204 - IEC 204/I - CEI 44/5 - 2006/42/CE - 2006/95/CE - 2004/108/CE

**ITEM: N6010**

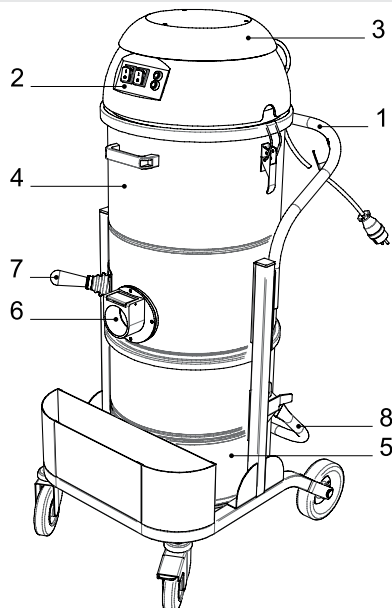
Industrial mobile single-phase extra compact aspirators.
Practical and reliable with a very sturdy frame.

Features:

- 2 Independent motor By-passes
- Manual mechanical filter shaker
- Voltage indicator
- Filter clogging indicator
- Suction Inlet 70 mm ø with reduction terminal quick release hose 50 mm ø
- Accessories port
- Wheeled container for the aspirated material quick release hook

Standard equipment:

- 1 Polyester filter class M code N004510
- 1 Reduction terminal 70/50 mm ø code N00267050
- 1 Flexible tube PUR 50 x 3 m ø code N00285003
- 2 Antistatic rubber sleeve/nozzle 50 mm ø code N002750
- 1 Flat lance L 400 mm in metal code N003350



1	Carrying handle
3	Engine cover
5	Container for aspirated debris
7	Filter shaker

2	Contact on/off
4	Filter housing
6	Pipe union for suction hose
8	Container removal lever

Tech. Code	GR78 Euro	Tank capacity L	Power supply V - Hz	Power Kw - HP	Max. depression mBar	Air capacity L/min	Medium filter IFA/BGIA	Sound level dB(A)	Dimension mm	Weight kg
N601035	1810,00	45	230 - 50/60	2,4 - 3	250	6330 max	"M" CLASS	72	510 x 640 x 1240h	45

Conformity with the standard regulations EN 60204 - IEC 204/I - CEI 44/5 - 2006/42/CE - 2006/95/CE - 2004/108/CE

ACCESSORIES FOR INDUSTRIAL ASPIRATORS

ITEM: N0051

Kit too full for automatic interrupting of the suction when the tank is full, preserving the filter.

Included:

- 1 Wet & Dry container
- 1 Floating valve

Tech. Code	GR78 Euro	For model
N005110	(466,50)	MINI STORM



ACCESSORIES FOR INDUSTRIAL ASPIRATORS

ITEM: N0052

Kit too full for interrupting the suction when the tank is full, preserving the filter.

Included:

- 1 Floating valve for liquids
- Drainage tap to be applied to the lower tank to make emptying easy (tap application 3/4" requires an hole at the bottom of the tank)

Tech. Code	GR78 Euro	For models
N005210	(225,00)	Storm 3600 - Storm 4800 - Hurricane 55



ACCESSORIES FOR INDUSTRIAL ASPIRATORS



ITEM: N0026

Metal reduction terminal and connection between aspirator and rubber sleeve or directly to the flexible hose.

Tech. Code		N00267050	N00268050
GR78	Euro	31,20	31,20
Ø Aspirator	mm	70	80
Ø Tube/rubber sleeve	mm	50	50



ITEM: N0027

Rubber sleeve for metallic terminal connection to flexible hose pipe.

Tech. Code		N002750
GR78	Euro	27,10
Ø Terminal	mm	50
Ø Hose pipe	mm	50



ITEM: N0028

Flexible hose pipe PUR armed, resistant to mineral oil and abrasion, fire-proof. Maximum temperature usage 90°C.

Tech. Code		N00285003	N00285005	N00285010
GR78	Euro	63,50	105,80	211,50
Ø Hose pipe	mm	50	50	50
Length	m	3	5	10



ITEM: N0031

Drainage hose pipe for Twistoil aspirators.

Tech. Code		N00313503
GR78	Euro	(165,60)
Ø Hose pipe	mm	1" - 1/4
Length	m	3



ITEM: N0033

Flat nozzle in metal.

Tech. Code		N003350
GR78	Euro	29,10
Ø Attachment	mm	50
Length	mm	400



ITEM: N0035

Flat nozzle anti-oil.

Tech. Code		N003550
GR78	Euro	34,50
Ø Attachment	mm	50
Length	mm	280



ITEM: N0036

Metal tube - "S" shape with rapid coupling.

Tech. Code		N003650
GR78	Euro	71,80
Ø Joint	mm	50
Length	mm	1250



ITEM: N0038

Brushes with artificial bristles and regulating grip.

Tech. Code		N003850400	N003850500
GR78	Euro	113,50	114,70
Ø Attachment	mm	50	50
Length	mm	400	500



ACCESSORIES FOR INDUSTRIAL ASPIRATORS



ITEM: N0039

Suction cup brushes with rubber strips and grip regulator.

Tech. Code		N003950400	N003950500
GR78	Euro	103,00	105,40
Ø Attachment	mm	50	50
Length	mm	400	500



ITEM: N0042

Rubber nozzle - anti-static.

Tech. Code		N004250
GR78	Euro	54,30
Ø Attachment	mm	50
Length	mm	250



ITEM: N0043

Scraper galvanized metal.

Tech. Code		N004350
GR78	Euro	83,10
Ø Attachment	mm	50
Length	mm	1000



ITEM: N0045

Star filters IFA/BGIA class "M".

Tech. Code		N004510	N004520
GR78	Euro	129,30	170,40
For models		Ministorm	Storm 3600 - Storm 4800 - Hurricane 55



ITEM: N0046

Telflon star filters IFA/BGIA class "M".

Tech. Code		N004610	N004620
GR78	Euro	230,60	364,00
For models		Ministorm	Storm 3600 - Storm 4800 - Hurricane 55



ITEM: N0048

Filter TNT and Nylon for Twistoil aspirator & Twistoil 280.

Tech. Code		N004810	N004820
GR78	Euro	65,50	10,00
Material		Nylon (washable)	TNT



CLEAN GO WELDING FUMES ASPIRATORS



ITEM: CLEAN GO

The CLEANGO welding fumes aspirators are represented for their small size, easy use and operating efficiency, the most economical solution to aspiration problems, filtration and deodorization of welding fumes. These welding fumes aspirators are distinguished by their high silent operation established due to pivoting wheels with brakes. The maintenance of the machine is restricted to the installation of the cellulose filter cartridge, which only requires short time and unskilled personnel.

Standard equipment:

- Self-supporting arm evolution no smoke Ø 150 mm length 3 m
- Cellulose filter of high performance IFA/BGIA M-CEL Code 1110670
- 1 Manetermic switch ON/OFF
- 1 Hour counting device

Optional:

- Cartridge with 2,5 kg of active carbon Code 1161611



Tech. Code	GR78 Euro	Power supply V - Hz	Power kW	Brake capacity m³/h	Medium filter IFA/BGIA	Filter efficiency	Noise level dB(A)	Dimension mm	Weight kg
N6055ASP	2048,00	400 - 50	1,1	1400	M CEL	99%	72	* 756 x 702 x 916H	89

(*) Max dimension of the aspirator without the self supporting arm No Smoke

DF-2 CLEANING WELDING FUMES ASPIRATORS



ITEM: CLEANING DF-2

The welding fumes aspirators cleaning DF are represented for their small size, easy use and operating efficiency. The ideal solution for aspiration problems, filtration and deodorization of welding fumes. These welding fumes aspirators are distinguished by their high silent operation established due to pivoting wheels with brakes. The maintenance of the machine is restricted to the installation of 2 cellulose filter cartridges, an operation which requires a very short time thanks to an easy front access.

Standard equipment:

- 1 Purification chamber of coarse dust
- 1 Self-supporting arm evolution No smoke Ø 150 mm length 3m
- 2 Cellulose filters of high performance FA/BGIA M-CEL Code 1165233
- 1 Manetermic switch ON/OFF
- 1 Hour counting device

Optional:

- Cartridge with 2,5 Kg of active carbon code 1161611
- Full expulsion with filtration DIN EN 1822 HEPAH13 filtration efficiency 99.95% code Art 1165232



Tech. Code	GR78 Euro	Power supply V - Hz	Power kW	Brake capacity m³/h	Medium filter IFA/BGIA	Filter efficiency	Noise level dB(A)	Dimension mm	Weight kg
N6057ASP	(3969,00)	400 - 50	1.1	1500	M CEL	99%	77	* 750 x 960 x 1150H	154

(*) Max dimension of the aspirator without a self supporting arm No Smoke

INFRARED HEATERS



ITEM: EHT

Extremely functional and versatile infrared heaters for heating work areas. They use short wave radiation to heat objects and people, but not the surrounding air. They do not pollute or emit harmful substances. Their special reflectors make the HELIOS RADIANT TITAN very powerful heaters.

The HELIOS RADIANT TITAN heaters allow savings of over 60% compared to traditional heating systems because they only heat the required areas without heat dispersion. They can be equipped with timers, thermostats and presence detectors. They are also used in many industrial processes. IP25 protection, white colour. Several models are available on request.



Tech. Code		N6060120	N6060240
GR78	Euro	499,00	(975,00)
Model		Single	Double
Power	W	2000	4000 (2 x 2000)
Heated area	m ²	28	43
Dimensions	mm	470 x 230 x 130	1040 x 230 x 130
Weight	kg	3.8	6.9

They are ideally positioned on a wall or ceiling at a 45degree angle.

ITEM: EHT BLACK

The Black infrared heater with black safety glass differs from the standard EHT models in that it has reduced light emission. It provides a considerable heat over a large surface area. Suitable for all environments where you wish to avoid the emission of light or where the aesthetic aspect is also important. Its polyester-coated strong steel structure means it can be installed both indoors and outdoors (IP23).



Tech. Code		N6062120
GR78	Euro	(473,00)
Model		Single
Power	W	2000
Heated area	m ²	18
Dimension	mm	500 x 230 x 160
Weight	kg	5

ACCESSORIES FOR INFRARED HEATERS



ITEM: N6065

- Universal telescopic support suitable for the single model
- Replacement bulb for 2000 watt EHT models

Tech. Code		N60650010	N60650015
GR78	Euro	(109,00)	(114,00)
Article		Floor support	Replacement bulb 2000 watt
Height	mm	from 1070 to 2000	-
Weight	kg	9	-



Link
partner



GENERAL CATALOGUE

To buy any products of this STAHLWILLE catalogue contact our commercial office. Delivery time depends on the availability of our supplier, you will receive a confirmation of your order with the details of the delivery date.

The STAHLWILLE items included in our LINK22 catalogue are ready to be delivered in 24 h.

www.linkindustrialtools.com
info@linkindustrialtools.it

BENCH VICES IN CAST IRON

WODEX

ITEM: WX7800

PREMIUM QUALITY high quality cast iron bench vices with replaceable induction hardened and grounded jaws. Designed to guarantee a high longevity even if subjected to considerable efforts. Movement of the upper and lower parts without play thanks to the dovetail guides, the upper part is adjustable with precision through a screw. Fixing with 3 points, 2 front and one upper. Gray painted colour with hammered finish.

Tech. Code	GR58 Euro	Width mm	Opening mm	Weight kg
N6800100	272,00	100	130	12
N6800125	339,00	125	180	24
N6800150	561,00	150	215	41



JAWS FOR VICES WX7800

WODEX

ITEM: WX7801

Pair of replacement jaws for WX7800 vices.

Tech. Code	GR58 Euro	For vices mm
N6801100	(61,00)	100
N6801125	(74,00)	125
N6801150	(83,00)	150



ROTATING BASES FOR VICES WX7800

WODEX

ITEM: WX7802

Cast iron rotating bases for WX7800 vices. Gray painted colour with hammered finished.

Tech. Code	GR58 Euro	For vices mm	Weight kg
N6802100	175,00	100	6
N6802125	171,00	125	8
N6802150	258,00	150	12



BENCH VICES IN CAST IRON

WODEX

ITEM: WX7810

Bench vices **PREMIUM QUALITY** made of high quality cast iron with replaceable jaws in induction hardened and grounded steel. Movement of the upper and lower part free of play thanks to the precision dovetail guides. Fixing with 3 points, 2 front and one upper. Gray painted colour with hammered finished.

Tech. Code	GR58 Euro	Width mm	Opening mm	Weight kg
N6810080	124,00	80	110	6
N6810100	177,00	100	140	11
N6810120	213,00	120	185	18
N6810150	319,00	150	220	25



JAWS FOR VICES WX7810 - WX7860 - WX7870

WODEX

ITEM: WX7811

Pair of replacement jaws for vices WX7810 - WX7860 - WX7870.

Tech. Code	GR58 Euro	For vices mm
N6811080	26,00	80
N6811085	26,00	85
N6811100	34,00	100
N6811120	35,00	120
N6811150	48,00	150



ROTATING BASES FOR VICES WX7810

WODEX

ITEM: WX7812

Cast iron rotating bases for WX7810 vices. Gray painted colour with hammered finish.

Tech. Code	GR58 Euro	For vices mm	Weight kg
N6812080	63,00	80	2,5
N6812100	87,00	100	4
N6812120	97,00	120	5,5
N6812150	154,00	150	8



BENCH VICES IN STEEL

WODEX 

ITEM: WX7830

Vices **PREMIUM QUALITY** in high quality forged steel with front opening, upper jaws and non-removable pipe wrench jaws. Double adjustable prismatic guide, threaded rod protected from dust and processing residues. Fixing more than 4 points. Gray painted colour with hammered finish.

Tech. Code	GR58 Euro	Width mm	Opening mm	For tubes Ø mm	Weight kg
N6850100	183,00	100	100	16 - 40	6
N6850120	216,00	120	120	20 - 55	11
N6850140	280,00	140	180	20 - 80	19
N6850160	407,00	160	210	25 - 100	27



ROTATING BASES FOR VICES WX7830

WODEX 

ITEM: WX7831

Steel rotating bases for WX7830. Gray painted with hammered finish.

Tech. Code	GR58 Euro	For vices mm	Weight kg
N6851100	61,00	100	1,5
N6851120	87,00	120	2
N6851140	88,00	140	3
N6851160	110,00	160	4



BENCH VICES IN STEEL

WODEX 

ITEM: WX7840

Vices **PREMIUM QUALITY** in high quality forged steel with front opening, and hardened and grounded non-removable jaws. All sliding parts are hardened and adjustable. Fixing more than 2 points. Gray painted colour with hammered finishing.

Optional accessories:
Removable pipe jaws.

Tech. Code	GR58 Euro	Width mm	Opening mm	Weight kg
N6860100	165,00	100	125	7
N6860125	198,00	125	150	11
N6860150	272,00	150	200	17
N6860175	387,00	175	220	26



PIPE WRENCH JAWS FOR VICES WX7840

WODEX 

ITEM: WX7841

Pair of replacement pipe wrench jaws in hardened steel.

Tech. Code	GR58 Euro	For vices mm	For tubes Ø mm
N6861100	30,00	100	12 - 125
N6861125	31,00	125	12 - 145
N6861150	44,00	150	15 - 165
N6861175	53,00	175	15 - 190



ROTATING BASES FOR VICES WX7840

WODEX 

ITEM: WX7842

Rotating bases for WX7840 vices. Gray painted colour with hammered finish.

Tech. Code	GR58 Euro	For vices mm	Weight kg
N6862100	46,00	100	1,4
N6862125	55,00	125	2
N6862150	74,00	150	2,8
N6862175	94,00	175	4



BENCH VICES IN STEEL

WODEX

ITEM: WX7860

Bench vices **PREMIUM QUALITY** in high quality cast steel with rear opening, replaceable jaws in induction hardened and ground steel. Movement of the upper and lower parts without play thanks to the precision dovetail guides. Fixing more than 3 points. Gray painted colour with hammered finish.



Tech. Code	GR58 Euro	Width mm	Opening mm	Weight kg
N6870100	337,00	100	130	11
N6870120	419,00	120	160	16
N6870150	644,00	150	175	24

Spare jaws N6811 - WX7811

BENCH VICES IN STEEL

WODEX

ITEM: WX7870

Vices in **PREMIUM QUALITY** in high quality forged steel with rear opening, replaceable jaws in induction hardened and grounded steel. Movement of the upper and lower parts without play thanks to the precision dovetail guides. Fixing with 3 points, 2 front and one upper. Gray painted with hammered finish.



Tech. Code	GR58 Euro	Width mm	Opening mm	Weight kg
N6880085	236,00	85	170	10
N6880100	245,00	100	170	10,5
N6880120	286,00	120	200	16,5
N6880150	472,00	150	210	27

Spare jaws N6801 available on page N.92

BENCH LIFTERS FOR VICES

WODEX

ITEM: WX7895

Practical and robust devices for vice height adjustment. They allow the operator to maintain a correct and safe working position. The bench lifters can support all WODEX bench vices because when they are ordered they will be completed with a specific fixing base for the model and the required vice size.

The bench lifter must be fixed on the lower part of the work bench.

Tech. Code	GR58 Euro	Regulatory mm	Rotation	Weight kg
N690000	(315,00)	215	360°	9

Specify model and measurement of the vice to be applied.
Delivery 25/30 days from order date.



VICES FOR COLUMN DRILLS

WODEX

ITEM: WX7900

Vices for column drill **PREMIUM QUALITY** in high quality cast iron with replaceable jaws in induction hardened and grounded steel. The prismatic jaws allow blocking of flat and round pieces, while the sliding guides for the mobile jaw serve as a support base for the precise closure of the pieces. Fixing more than 2 points. Gray painted with hammered finish.

Tech. Code	GR58 Euro	Width mm	Opening mm	Jaws height mm	Weight kg
N6910060	99,00	60	70	25	2,5
N6910080	118,00	80	80	25	4
N6910100	201,00	100	110	30	9
N6910120	263,00	120	150	40	16
N6910150	351,00	150	180	45	24



JAWS FOR VICES WX7900

WODEX

ITEM: WX7901

Pair of replacement jaws for WX7900 vices.

Tech. Code	GR58 Euro	For vices mm
N6911060	(21,00)	60
N6911080	(29,00)	80
N6911100	(42,00)	100
N6911120	(50,00)	120
N6911150	(77,00)	150



VICES FOR COLUMN DRILLS

WODEX

ITEM: WX7910

Vices for column drills **PREMIUM QUALITY** made of high quality cast iron with replaceable jaws in induction and grinding hardened steel. The prismatic jaws are reversible, one side has a knurled surface and the other is smooth with a prismatic profile for clamping flat and round pieces. The sliding guides for the mobile jib act as a support base for the precise closure of the pieces. Fixing more than 4 points. Gray painted with hammered finish.



Tech. Code	GR58 Euro	Width mm	Opening mm	Jaws height mm	Weight kg
N6920110	325,00	110	130	32	9,5
N6920135	399,00	135	160	40	14
N6920160	590,00	160	220	50	25,5

JAWS FOR VICES WX7910

WODEX 

ITEM: WX7911

Pair of replacement jaws for WX7910 vices.

Tech. Code	GR58 Euro	For vices mm
N6921110	(106,00)	110
N6921135	(136,00)	135
N6921160	(173,00)	160



ADJUSTABLE VICES

WODEX 

ITEM: WX7950

Adjustable aluminum alloy vices for mold makers and modellers, equipped with spherical joint that can be locked in any position by means of a quick lever at the base. Thanks to this solution, the operator can maintain a correct and safe working position. Suitable for finishing or polishing work on delicate, small and medium-sized mechanical parts. Fixing more than 4 points.

4-point superior fixing.

Tech. Code	GR58 Euro	Width mm	Opening mm	Jaws included	Weight kg
N6950050	171,00	50	75	Plastic	2,5
N6950075	354,00	75	110	STEEL	3,7



ITEM: WX7955

Adjustable aluminum alloy vices for mold makers and modellers, equipped with spherical joint that can be locked in any position by means of a quick lever at the base. Thanks to this solution, the operator can maintain a correct and safe working position. Suitable for finishing or polishing work on delicate, small and medium-sized mechanical parts. Fixation lower than bracket with screw.

Bottom bracket fixing with screw.

Tech. Code	GR58 Euro	Width mm	Opening mm	Jaws included	Opening bracket mm	Weight kg
N6953050	177,00	50	75	Plastic	80 max	2,6
N6953075	363,00	75	110	STEEL	80 max	3,8



JAWS FOR ADJUSTABLE VICES

WODEX 

ITEM: WX7957 - WX7958 - WX7959

Pair of aluminum, metal or plastic jaws for WX7950 and WX7955 vices.

Tech. Code	GR58 Euro	For vices mm	Material
N6955050AL	(8,00)	50	Aluminum
N6955050PL	(8,00)	50	Plastic
N6955075AC	(24,00)	75	STEEL
N6955075AL	(24,00)	75	Aluminum
N6955075PL	(24,00)	75	Plastic



ADJUSTABLE VICES WITH JAWS

WODEX 

ITEM: WX7965

Adjustable aluminum alloy vices for mold makers and modellers, equipped with spherical joint that can be locked in any position by means of a quick lever at the base. Thanks to this solution, the operator can maintain a correct and safe working position. Suitable for finishing or polishing work on delicate, small and medium-sized mechanical parts. Equipped with rotating jaws for clamping irregular pieces. Fixation lower than bracket with screw.

Tech. Code	GR58 Euro	Width mm	Opening mm	Jaws included	Opening bracket mm	Weight kg
N6960050	192,00	50	75	Aluminum	80 max	2,4



GRIPS FOR ADJUSTABLE VICES WX7965

WODEX 

ITEM: WX7967 - WX7968

Pair of aluminum or plastic grips for WX7965 vices.

Tech. Code	GR58 Euro	For vices mm	Material
N6962050AL	(35,00)	50	Aluminum
N6962050PL	(35,00)	50	Plastic



BASE WITH ADJUSTABLE PIN

WODEX 

ITEM: WX7975

Fixing system with swivel and adjustable spherical joint. The aluminum alloy base can be fixed to a workbench, while the pin has an internal and external thread for the application of special clamping devices made by the user. The ball joint can be locked into the desired position by operating the quick lock lever. Base with fixing above 4 points. Mobile pin with external thread MF 18 x 1.5 and hole with thread M 10 x 1.5.

Tech. Code	GR58 Euro	Flutation	Weight kg
N697000	(165,00)	90°	0,9



ANGLE VICES WSM



ITEM: WSM

High quality cast iron angle vices for joining two workpieces at 90°, even pieces having different thickness. The unobstructed work area allows free access for assembly or welding to be carried out very easily.

Tech. Code	GR76 Euro	Max opening mm	Jaw length mm	Jaws height mm	Open work area mm	Weight kg
N6990090	248,00	2 x 90	110	35	60	3.8
N6990120	280,00	2 x 120	120	61	100	7.8



MAGNETIC JAWS FOR VICES



ITEM: MAGNEFIX N

Suitable for clamping workpieces with delicate surfaces.
Made in aluminum with neutral profile.

Tech. Code	GR78 Euro	Width mm
N7045100	31,50	100
N7045120	41,00	120
N7045125	42,00	125
N7045140	46,20	140
N7045150	48,30	150
N7045160	51,50	160

Price refers to a pair



ITEM: MAGNEFIX F

Made in Fibre-coated aluminum.

Tech. Code	GR78 Euro	Width mm
N7046100	35,70	100
N7046120	46,20	120
N7046125	47,30	125
N7046140	51,50	140
N7046150	53,60	150
N7046160	57,80	160

Price refers to a pair

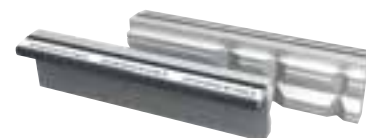


ITEM: MAGNEFIX P

Made in aluminum with prismatic profile.

Tech. Code	GR78 Euro	Width mm
N7047100	35,70	100
N7047120	46,20	120
N7047125	47,30	125
N7047140	50,40	140
N7047150	51,50	150
N7047160	56,70	160

Price refers to a pair



MANUAL LEVER SHEARS

ITEM: N7015

Lever shears with hardened steel blades suitable for cutting steel sheets with resistance up to 450 N/mm², complete with operating lever with return spring and device for removable bar stop.

Tech. Code	GR58 Euro	Blades mm	Max thickness mm max	Round Iron Ø max	Weight kg
N7015120	261,00	120	70 x 5	10	8
N7015160	303,00	160	70 x 6	10	10
N7015200	494,00	200	70 x 6	13	20
N7015300	691,00	300	70 x 6	13	30

Replacement upper blade code N7015LS__

Replacement lower blade code N7015LI__



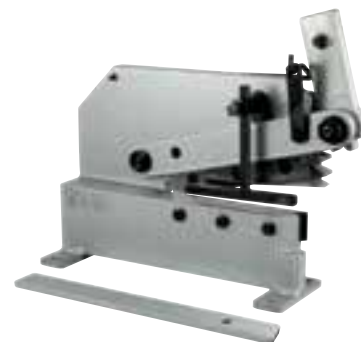
ITEM: N7017

Top Quality lever shears with hardened steel blades suitable for cutting steel sheets with resistance up to 450 N/mm², Complete with operating lever with rack feed and a removable bar stop device.

Tech. Code	GR58 Euro	Blades mm	Flat iron max. mm	Round iron Ø max	Weight kg
N7017250	883,00	250	80 x 7	16	47

Upper blade spare N7017LS__

Lower blade spare N7017LI__



JACK PIPE BENDING MACHINE

ITEM: ATLAS

The article is equipped with 5 formers for pipes of 1/4" - 3/8" - 1/2" - 3/4" - 1" and with a sturdy jack. It coldbends gas and water pipes, without welding.

UNI EN10255 (BS1387 - UNI3824).

Tech. Code	GR78 Euro	For hoses Ø inches
N705000	480,00	1/4" - 3/8" - 1/2" - 3/4" - 1"

While stocks last



HYDRAULIC PRESSES

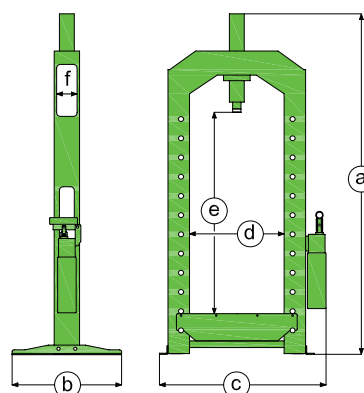
B·HANDLING 3

ITEM: N7010

High performance, sturdy hydraulic press Entirely cut by laser, provides high precision during execution. A twospeed pump, one for rapid approach at low pressure, one for high pressure. The cylinder includes spring return and a manometer mounted off the-rack.

Tech. Code		N7010120	N7010200
GR78	Euro	(1883,00)	(2247,00)
a	mm	1900	1900
b	mm	530	590
c	mm	850	950
d	mm	510	510
e	mm	1050	1050
f	mm	80	80
Weight	kg	100	110
Load capacity	T	12	20
Activation		Pneumatic	Pneumatic

Tech. Code		N7010300	N7010500
GR78	Euro	(2636,00)	(3579,00)
a	mm	1970	2000
b	mm	700	800
c	mm	1250	1350
d	mm	710	805
e	mm	1120	1060
f	mm	130	160
Weight	kg	250	400
Load capacity	T	30	50
Activation		Manual	Manual



MOTORIZED HYDRAULIC PRESSES

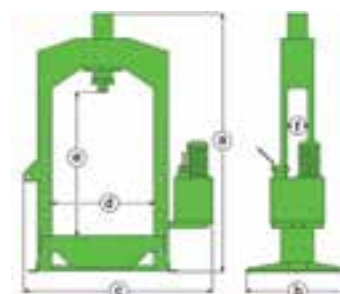
B·HANDLING 3

ITEM: N7011

High performance, sturdy motorized hydraulic presses. Entirely cut by laser, provides high precision during execution. A twospeed pump, one for rapid approach at low pressure, one for high pressure. the cylinder includes spring return and a manometer mounted off the-rack.

Tech. Code		N7011120	N7011200
GR78	Euro	(3767,00)	(4269,00)
a	mm	1900	1900
b	mm	530	590
c	mm	1100	1150
d	mm	510	510
e	mm	1050	1050
f	mm	80	80
Weight	kg	170	190
Load capacity	T	12	20
Fast-forward	m/min	1,4	1,7
Working speed	m/min	0,3	0,25

Tech. Code		N7011300	N7011500
GR78	Euro	(5149,00)	(6403,00)
a	mm	1970	2000
b	mm	700	800
c	mm	1350	1350
d	mm	710	805
e	mm	1120	1060
f	mm	130	160
Weight	kg	350	500
Load capacity	T	30	50
Fast-forward	m/min	1,4	1,6
Working speed	m/min	0,3	0,3



ELECTRIC MARKING PENS

ITEM: N7060

Supply voltage 220 Volt / 50Hz, painted sheet steel body, suitable for engraving all metal electricity conductors, ideal for writing on and marking machine parts.

Tech. Code	GR78 Euro	Description	Weight kg
N7060PEN	372,00	Pen	7
N7060CR	83,00	Cable with spare pen	-
N7060PR	19,00	Spare pen	-



ELECTRIC MARKING PENS

ITEM: N7065

Supply voltage 220 Volt / 50Hz, impact-proof with vibration frequency controller, plastic body. Suitable for engraving all ferrous and non-ferrous materials, glass, ceramic, stone, plastic and wood. Ideal for writing on and marking parts already in place.

Tech. Code	GR78 Euro	Description	Vibrations per minute	Power Watt
N70657200	90,00	Pen	7200	12
N7065PR	15,00	Spare tip	-	-



BENCH DEMAGNETISERS

ITEM: N7070

Supply voltage 220 Volt / 50Hz, painted sheet steel body, suitable for de-magnetising mechanical parts in contact with magnetic surfaces that have retained residual magnetism.

Tech. Code	GR78 Euro	Pad mm	Weight kg
N7070200	(292,00)	200 x 160 x 90 h	4.5
N7070400	(418,00)	400 x 160 x 90 h	8



LED TORCHES

ITEM: 03.5426 ZONE

Rechargeable Torches with COB LED technology, sturdy and light, designed for professional use.

Light intensity adjustable on 2 levels, illumination 200-400 lux/0,5 m, 120° / 60° beam angle. Li-on battery 3.7 Volt 800 mAh autonomy 4-2 hours, re-charge time 3 ore. IP30 Classe protection. Standard equipment: USB cable 1 m.

Tech. Code	GR76 Euro	Light output Lm	Beam distance m	Dimension mm	Weight g
N706601	56,50	75 - 150	50	97 x 31 x 28	66

Battery charger not included

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INSPECTION TORCHES MAGNETIC AND ADJUSTABLE LED

ITEM: WX6610

Extra high performance led torches with adjustable head and magnet for vertical positioning.

Impact resistant aluminum structure with clip, IPX4 water protection.

Adjustable light beam in the following ways: High 150 Lm - Low 60 Lm - Strobe 150 Lm - SOS 150 Lm

Operating time: 60 Lm 8 hours -150 Lm 2,5 hours

Tech. Code	GR76 Euro	Light output Lm	Beam distance m	Dimensions Ø x L mm	Weight g
N706901	27,50	60 - 150	50	17,5 x 150	50

Batteries not included (The flashlight requires AAA 1,5 Volt batteries)

WODEX®



ITEM: D9925

- AAA-type 1,5V battery

Tech. Code	GR49 Euro	Model
D99251,5V	5,30	- AAA-type 1.5 battery



MODULAR RECHARGEABLE LED TORCHES IN FOAM

WODEX



ITEM: WX6620

High performance modular torches with rechargeable battery and magnet for positioning on metal walls. Impact resistant aluminium construction with a quick-change component system and USB socket for charging even during use. ON-OFF button with ECO 30% and 100% FULL function.

Operating time max 5 hours. Complete with Eva Tray module for Wodex trolleys. Module dimensions 400x223.5 mm - Horizontal Position. Composition:

- Handle with magnet Ø 35x140 mm
- Flexible bulb Ø 20x400 mm XPG 180 Lumens with Zoom function **WX6620-B**
- Fixed bulb Ø 35x50 mm XPG 250 Lumens with Zoom function **WX6620-A**
- Multitiled adjustable bulb 20x190 mm COB 350 Lumens **WX6620-C**
- Rechargeable battery 18650 3.7V 2600 mAh **WX6621**
- USB battery charger - 230V

Charging time 4 hours.

Tech. Code	GR76 Euro	Light output
N708001	82,00	6

Battery not included (The flashlight needs a 18650 3,7 Volt rechargeable battery Modello WX6621)



RECHARGEABLE LI-ION 18650 BATTERIES

WODEX

ITEM: WX6621

Rechargeable lithium-ion batteries for LED torches.

Tech. Code	GR76 Euro	Voltage	Capacity mAh	Ø mm	Length mm
N707800	9,00	3,7	2600	18,5	70



NEW

LED INSPECTION TORCHES

WODEX

ITEM: WX6600

Led Inspection torches XPG-R5 Compact and ergonomic of high performance.

Aluminum frame structure shock-resistant, adjustable beam by means of the revolving green ring in 4 operating ways: 100% - 75% - 50% - flash. Operating time about 2 hours.

Standard supply:

- Case - 3 AAA batteries

Tech. Code	GR76 Euro	Light output Lm	Beam distance m	Dimensions Ø x L mm	Weight g
N707901	41,00	90 - 180	80	40 x 145	200



ITEM: WX6630

High performance portable torches suitable for lighting workstations and general inspection work.

The structure is covered with shock-resistant rubber (1.5 meters impact resistant) and is also resistant to splashing water (IPX4 protection).

Standard equipment includes a swivel hook, adjustable magnetic base up to 180°, a rechargeable 3.7V 2600 mAh lithium (Li-ion) battery and a battery charger with USB socket.

Operating mode:

- Upper light - SMD LED 45 Lm - Autonomy max 13 hours
- Main light- COB LED LOW 70 Lm - Autonomy max 10 hours
- Main light - COB LED HIGH 240 Lm - Autonomy max 3 hours

- Charging time 4 hours

Tech. Code	GR76 Euro	Light output Lm	Beam distance m	Dimensions mm	Weight g
N708101	48,50	45 - 70 - 240	10 - 20 - 24	52 x 30 x 164	197



LED TORCHES

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ITEM: 03.5407 UNIFORM

Rechargeable torches with COB LED technology, extremely resistant and practical thanks to the desk top charging base with provision for wall mounting. The base of the torch can be rotated up to 180° equipped with a sturdy magnet for positioning on metal walls. Adjustable light intensity on 2 levels, lighting 475-950 - Spot 6000 lux/0,5 m, Li-on battery 3.6 V 3000 mAh, autonomy 2 - 4,5 hours, charging time 5 hours. Class protection IP65. The standard equipment includes the charging base with 1m USB cable. hours,

Tech. Code	GR76 Euro	Light output Lm	Light Spot Lm	Dimension mm	Weight g
N708301	127,40	250 - 500	175	190 x 60 x 32	263



NEW

LED FLOOD LIGHTS

ITEM: 03.5456 NOVA-R

Flood lights NOVA R rechargeable battery equipped with high-performance COB LED technology, easy to transport thanks to the swivel handle and have magnets for positioning on metal walls. Autonomy 2 - 20 hours, charging time 5 hours, operating temperature -10°C +40°C. Standard equipment includes a 4000 mAh 7,3 Volt Li-ion battery, a 1 m USB cable and a un cavo USB 1 m 100-240V AC, 50/60Hz battery charger.

Tech. Code	GR76 Euro	Light output Lm	Protection	Dimension mm	Weight g
N708701	148,70	200 - 2000	IP67	163 x 163 x 63	790



NEW

SWING ARM LAMPS



ITEM: N7085

Standard EN 60598-1 EN 60204-1.

Complies with Italian legislative decree 81/08, maximum fixing clamp opening 58 mm, square steel profile structure, upper part of the reflector made of fibreglass reinforced nylon and lower ø 160 mm part made of turned steel, two-layer oven cured paint, double-clutch for vertical and horizontal arm movement, spring compensated joints, 60-Watt light bulb with E27 fitting (not included).

Tech. Code	GR76 Euro	Arm length mm	Coupling	Power supply V	Power cable length m	Protection rating IP	Class	Colour
N708520	190,00	510 + 455	E27	220 - 240	1.7	IP20	I	Grey



LAMP STANDS



ITEM: N7086

Suitable for pantograph lamps

Tech. Code	GR76 Euro	Coupling
N7086FP	25,00	For fixing to wall
N7086FB	25,00	For fixing to bench



C-CLAMP MODEL BALLAST LAMPS WITH MAGNIFYING GLASS



ITEM: N7090

EN 60598-1 EN 60204-1.

Complies with the 81/08 Standard, supply voltage 230 Volt, maximum fixing clamp opening 58 mm, steel profile structure, aluminium reflector with 230 mm diameter with Plexiglas protection screen and bi-polar switch, double-oven painting, one-handed quick positioning and bending, compensated joints with springs, LED bulb 9.5 W, grey.

Tech. Code	GR76 Euro	Lens Ø mm	Dioptres	Magnification X	Boom length mm	Power cable m	Plug	IP protection IP
N7090900SB	410,00	120	3	0.75	900	1.70	10 A 2P + T	20



LED LAMP MAGNIFIERS

ITEM: N7092

Led lamp magnifiers with an adjustable support.

Tech. Code	GR76 Euro	Lens Ø mm	Magnification x	Max height mm	Pow. cab. m	Power supply
N709295	137,00	95	1,75	350	1,3	220 Volt



LED LAMPS FOR MACHINE TOOLS



ITEM: L18

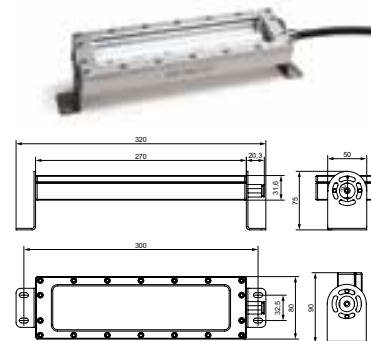
Lamps for machine tools with high brightness LEDs, long life and low power consumption.

Features:

- Adjustable anodized aluminum frame
- Tempered glass 5 mm thick
- Gaskets in NBR
- Natural white light colour
- IP68 protection degree against dust and liquid
- Impact resistance class IK07
- Electrical isolation class III
- Low voltage operation
- Minimum distance from illuminated object 100 mm

Made in Italy

Tech. Code	GR78 Euro	Number LED's	Luminous flux Lm	Illuminance Lux	Work voltage Vdc	Power W	Operating temperature	Weight g
N709418S	425,00	120	3500	1100	24	25	-20°C +55°C	1200



CABLE REELS MANUAL



ITEM: 3501 - 3508 - 3510 - 3512 - 3513 - 3514 - 3517 - 3520 - 3521

Cable reels manual Standard IEC 1242, tubular stand of fire-painted steel, galvanised steel flanges, plastic internal body, coil locking brake and cable reel knob, safety thermal cut-out.

(excluding art. N710023001). Supply voltage 230 Volts

Tech. Code	GR76 Euro	Cable sect.	Cable m	Watt	Socket	Plug
N710023001	71,00	-	No cable	-	Without socket	-
N710023008	185,00	3 x 1.5	25	1400	4-10/16A 2P + T SHUKO	16 A 2P + T
N710023010	227,00	3 x 2,5	25	2100	4-10/16A 2P + T SHUKO	16 A 2P + T
N710023013	189,00	3 x 1.5	25	1400	2-10/16A 2P + T SHUKO 1-CEE 16A	CEE 16 A 2P+T
N710023014	236,00	3 x 1,5	40	1200	2-10/16A 2P + T SHUKO 1-CEE 16A	CEE 16 A 2P+T
N710023017	104,00	-	No cable	-	2 CEE 16A	CEE 16 A 2P+T
N710023020	236,00	3 x 2,5	25	2100	2 CEE 16A	CEE 16 A 2P+T
N710023021	302,00	3 x 2.5	40	1800	2 CEE 16A	CEE 16 A 2P+T



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INDUSTRIAL CABLE REELS SAFETY SPEED CONTROL



ITEM: 2315F/C2 - 2325F/C2 - 4425F/C2

Cable reels with an automatic device for the controlled rewinding of the SAFETY SPEED CONTROL cable and the cable stop system to the desired length. The Raasm winders comply with the CE Standard EN 61242 - 2014/35 /EU - 2014/30 / EU 2011/65 / EU. Degree of protection of the electrical part IP44. Made of shock-resistant plastic with adjustable steel bracket for wall mounting.

Standard equipment:

Input cable 1,2 m

Thermal protector

Cable guide nozzle with rollers on all 4 side



Tech. Code	GR78 Euro	Tension V	Electric cable	Cable length m	Wounded cable usage power Kw	Unwounded cable usage power* Kw	Dimension with bracket mm	Weight kg
N711031515	152,00	230	3G x 1,5 - H05 VV-F	14 + 1	1,2	2,3	387 x 331 x 175	7,6
N711032510	(170,00)	230	3G x 2,5 - H05 VV-F	9 + 1	1,9	3,5	387 x 331 x 175	7,7
N711042509	181,00	400	4G x 2,5 - H05 VV-F	8 + 1	2	6	387 x 331 x 175	8

* The values refer to use with a completely unwound cable

Sockets and plugs to be ordered separately

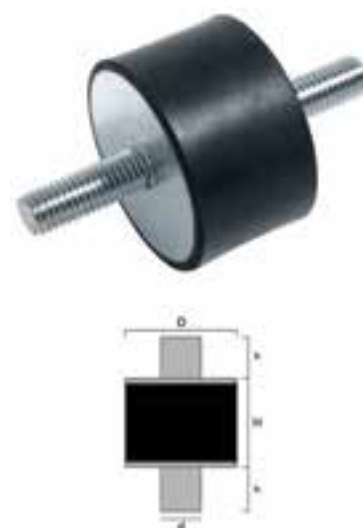
VIBRATION-CONTROL RUBBER MOUNTS WITH 2 THREADED PINS

ITEM: N8010

Wide application for industrial use, for elastic suspensions and for absorbing the vibrations of the machines and of the various mechanical structures. Those vibration-control mounts are composed by molded rubber inside two parallel metallic plates. White Metallic Galvanized plates.

M/M version with double threaded pin

Tech. Code	GR76 Euro	D mm	H mm	d mm	h mm	Material	Hardness
N80101515M4	2,08	15	15	M4	10	SBR Rubber compound	55° shore A (±5)
N80101515M5	2,31	15	15	M5	10	SBR Rubber compound	55° shore A (±5)
N80102020M6	2,54	20	20	M6	18	SBR Rubber compound	55° shore A (±5)
N80102520M6	2,77	25	20	M6	18	SBR Rubber compound	55° shore A (±5)
N80102520M8	2,54	25	20	M8	20	SBR Rubber compound	55° shore A (±5)
N80102530M6	2,66	25	30	M6	18	SBR Rubber compound	55° shore A (±5)
N80103020M8	3,00	30	20	M8	23	SBR Rubber compound	55° shore A (±5)
N80103030M8	3,23	30	30	M8	23	SBR Rubber compound	55° shore A (±5)
N80104030M8	4,39	40	30	M8	23	SBR Rubber compound	55° shore A (±5)
N80104040M8	(5,08)	40	40	M8	23	SBR Rubber compound	55° shore A (±5)
N80105030M10	6,58	50	30	M10	28	SBR Rubber compound	55° shore A (±5)
N80105040M10	6,81	50	40	M10	28	SBR Rubber compound	55° shore A (±5)
N80106050M12	10,63	60	50	M12	37	SBR Rubber compound	55° shore A (±5)
N80107550M12	16,05	75	50	M12	37	SBR Rubber compound	55° shore A (±5)
N801010060M16	(33,79)	100	60	M16	41	SBR Rubber compound	55° shore A (±5)



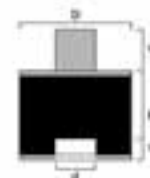
VIBRATION-CONTROL RUBBER MOUNTS WITH 1 THREADED HOLE AND 1 THREADED PIN

ITEM: N8011

Wide application for industrial use, for elastic suspensions and for absorbing the vibration of the machines and of the various mechanical structures vibrations. Those vibration-control mounts are composed by molded rubber inside two parallel metallic plates. White metallic galvanized plates.

M/F version with single threaded pin and threaded blind hole

Tech. Code	GR76 Euro	D mm	H mm	d mm	h mm	Material	Hardness
N80111515M4	2,31	15	15	M4	10	SBR Rubber compound	55° shore A (±5)
N80112020M6	2,54	20	20	M6	18	SBR Rubber compound	55° shore A (±5)
N80112520M6	2,54	25	20	M6	18	SBR Rubber compound	55° shore A (±5)
N80112530M6	2,77	25	30	M6	18	SBR Rubber compound	55° shore A (±5)
N80113020M8	3,12	30	20	M8	23	SBR Rubber compound	55° shore A (±5)
N80113030M8	3,35	30	30	M8	23	SBR Rubber compound	55° shore A (±5)
N80114020M8	4,39	40	20	M8	23	SBR Rubber compound	55° shore A (±5)
N80114030M8	4,50	40	30	M8	23	SBR Rubber compound	55° shore A (±5)
N80115030M10	7,97	50	30	M10	28	SBR Rubber compound	55° shore A (±5)
N80115040M10	6,81	50	40	M10	28	SBR Rubber compound	55° shore A (±5)
N80116040M12	10,28	60	40	M12	37	SBR Rubber compound	55° shore A (±5)



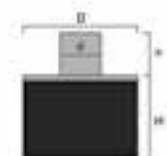
VIBRATION-CONTROL RUBBER MOUNTS WITH SINGLE THREADED PIN

ITEM: N8012

Wide application for industrial use, for elastic suspensions and for absorbing the vibration of the machines and of the various mechanical structures vibrations. Those vibration-control mounts are composed by molded rubber inside two parallel metallic plates. White Metallic Galvanized plates.

P/M version with single threaded pin

Tech. Code	GR76 Euro	D mm	H mm	d mm	h mm	Material	Hardness
N80121515M4	(2,08)	15	15	M4	10	SBR Rubber compound	55° shore A (±5)
N80121610M5	(1,59)	16	20	M5	12	SBR Rubber compound	55° shore A (±5)
N8012208M6	1,10	20	8	M6	10	SBR Rubber compound	55° shore A (±5)
N80122010M6	(2,19)	20	10	M6	18	SBR Rubber compound	55° shore A (±5)
N80122015M6	(2,54)	20	15	M6	18	SBR Rubber compound	55° shore A (±5)
N80122025M6	(2,77)	20	25	M6	18	SBR Rubber compound	55° shore A (±5)
N80122515M6	(2,43)	25	15	M6	18	SBR Rubber compound	55° shore A (±5)
N80122520M6	2,77	25	20	M6	18	SBR Rubber compound	55° shore A (±5)
N80123020M8	(3,58)	30	20	M8	23	SBR Rubber compound	55° shore A (±5)
N80123030M8	4,50	30	30	M8	23	SBR Rubber compound	55° shore A (±5)
N80124030M8	4,85	40	30	M8	23	SBR Rubber compound	55° shore A (±5)
N80124030M10	(4,50)	40	30	M10	28	SBR Rubber compound	55° shore A (±5)
N80125020M10	4,85	50	20	M10	28	SBR Rubber compound	55° shore A (±5)
N80125030M10	6,35	50	30	M10	28	SBR Rubber compound	55° shore A (±5)
N80125040M10	(6,47)	50	40	M10	28	SBR Rubber compound	55° shore A (±5)
N80126050M12	9,40	60	50	M12	37	SBR Rubber compound	55° shore A (±5)
N80127540M12	14,32	75	40	M12	37	SBR Rubber compound	55° shore A (±5)
N80127550M12	(15,90)	75	50	M12	37	SBR Rubber compound	55° shore A (±5)
N801210050M16	26,81	100	50	M16	41	SBR Rubber compound	55° shore A (±5)





WHEELS TABLE CHART



Wheel diameter



Ball bearing seat diameter



Hole spacing



Threaded stem diameter



Swivel castor with front lock



Capacity



Temperature



Not paved floor



Hub with plain bore



Hub bore diameter



Ball bearing seat length



Hole width



Threaded stem length



Swivel castor with top-plate



Static load



Manual handling



Grid floor



Hub with ball bearing



Wheel width



Overall height



Offset



Plate diameter



Wheel with pin



Smoothness



Asphalt floor



Floor with chips



Hub length



Top-plate outer dimensions



Brake swept radius



Fixed castor



Wheel with pin front lock



Weight



Resin cement floor



Tile floor

GREY RUBBER WHEELS - POLYAMIDE CORE



ITEM: N8030

Grey rubber wheel ring, polyamide core with thread-guards, electrolytically galvanized supports.



Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N803050G	6,16	Rotating	50	20	0.20	67	55 x 55	40 x 40	6	24	76	35
N803060G	9,70	Rotating	60	24	0.28	83	60 x 60	45 x 45	6	21	84	50
N803050F	5,61	Fixed	50	20	0.20	67	55 x 55	40 x 40	6	24	76	35
N803060F	7,25	Fixed	60	24	0.26	83	60 x 60	45 x 45	6	21	84	50
N803050GFR	10,52	Rotating and brake	50	20	0.24	67	55 x 55	40 x 40	6	24	76	35
N803060GFR	14,06	Rotating and brake	60	24	0.40	83	60 x 60	45 x 45	6	21	84	50

GREY RUBBER WHEELS - POLYAMIDE CORE



ITEM: N8032

Grey rubber wheel ring, polyamide core with thread guards, electrolytically galvanized supports.

Threaded shank in galvanized steel.

SUITABLE

For use in wet environments and with medium corrosive chemicals.

NOT RECOMMENDED

For use in environments with organic solvents, chlorinated substances, hydrocarbons and mineral oils.



Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N803250P	6,33	Rotating	50	20	0.18	66	8 M	15	35	24	76	35
N803260P	9,87	Rotating	60	24	0.29	83	12 M	25	41	21	84	50
N803250PFR	10,68	Rotating and brake	50	20	0.21	66	8 M	15	35	24	76	35
N803260PFR	14,23	Rotating and brake	60	24	0.36	83	12 M	25	41	21	84	50

BLACK RUBBER WHEELS – SHEET METAL DISC



ITEM: N8035

Black rubber ring, electrolytically galvanised sheet steel discs.

Dimensions expressed in mm

Tech. Code	GR77 Euro								
N803580R	2,66	80	25	0.17	12	39	260	60	65
N8035100R	3,22	100	30	0.28	12	44	300	75	80
N8035125R	4,36	125	37.5	0.51	15	44	330	85	130
N8035150R	6,60	150	40	0.73	15	44	350	100	170
N8035200R	11,15	200	50	1.75	20	58	410	140	230



POLYURETHANE WHEELS - POLYAMIDE CENTRE



ITEM: N8045

Injected polyurethane ring, polyamide 6 centre.

Dimensions expressed in mm

Tech. Code	GR77 Euro								
N804580R	3,74	80	30	0.11	12	39	220	120	120
N8045100R	4,68	100	30	0.15	12	44	300	170	170
N8045125R	7,94	125	35	0.25	15	44	350	230	230
N8045150R	11,51	150	45	0.47	20	59	500	280	350
N8045200R	21,79	200	50	0.82	20	59	700	380	450



POLYAMIDE WHEELS



ITEM: N8055

Solid polyamide 6 wheels.

Dimensions expressed in mm

Tech. Code	GR77 Euro								
N805580R	2,95	80	30	0.08	12	39	200	150	180
N8055100R	3,92	100	30	0.13	12	44	350	175	300
N8055125R	6,75	125	40	0.23	15	44	450	200	400
N8055150R	10,01	150	45	0.34	20	59	600	250	500
N8055200R	19,71	200	50	0.64	20	59	800	315	730



POLYURETHANE WHEELS - ALUMINIUM CENTRE



ITEM: N8065

TR polyurethane ring, aluminium centre.

*dimensions for pallet trucks

Dimensions expressed in mm

Tech. Code	GR77 Euro										
N806580R	16,16	80	25	0.20	12	30	28	8	280	150	220
N8065100R	23,98	100	30	0.34	12	40	32	10	350	225	250
N8065125R	25,73	125	35	0.50	12	40	32	10	500	280	400
N8065150R	34,37	150	40	0.91	20	50	47	14	850	330	600
N8065200R/A*	54,71	200	50	1.47	20	55	52	15	1000	360	850
N8065200R/B*	54,94	200	50	1.45	25	55	52	15	1000	500	850



POLYURETHANE WHEELS - CAST IRON CENTRE



ITEM: N8075

TR polyurethane ring, mechanical cast iron centre.

Dimensions expressed in mm

Tech. Code	GR77 Euro										
N8075100R	28,36	100	38	1.02	15	40	35	11	500	220	380
N8075125R	36,37	125	38	1.45	15	40	35	11	600	240	450
N8075150R	48,21	150	50	2.50	20	55	47	14	910	290	700
N8075200R	74,47	200	50	3.65	20	55	47	14	1500	380	1000



SIGMA ELASTIC RUBBER WHEELS – ALUMINIUM CENTRE



ITEM: N8082

"SIGMA ELASTIC" rubber ring, aluminium centre.

*dimensions for pallet trucks

SUITABLE

For use in wet environments and with medium corrosive chemicals.

NOT RECOMMENDED

For use in environments with organic solvents, aromatic substances, chlorinated substances, hydrocarbons.



Dimensions expressed in mm

Tech. Code	GR77 Euro										
N8082200R20*	42,96	200	50	2.00	20	60	52	17.5	1000	335	500
N8082200R25*	43,18	200	50	2.00	25	60	52	17.5	1000	335	500

TR-ROLL POLYURETHANE WHEELS – CAST ALUMINIUM CENTRE



ITEM: N8085

Hardness 75 Shore A.

SUITABLE

Suitable for use in industrial environments for transport of medium-heavy loads, also for mixed external-internal use.



Dimensions expressed in mm

Tech. Code	GR77 Euro										
N8085100R-NC	30,42	100	40	0.39	15	40	32	10	400	300	300
N8085160R-NC	49,81	160	50	1.00	20	60	47	14.5	800	400	550
N8085200R-NC	67,05	200	50	1.60	20	60	47	14.5	1000	500	700

POLYURETHANE PALLET TRUCK ROLLERS TR - STEEL CENTRE



ITEM: N8091

Hardness 95 Shore A, excellent smoothness and elasticity, high resistance to wear and tear.

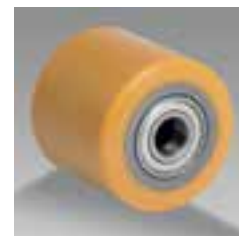
APPLICATIONS:

Excellent for use on electric pallet trucks, also in case of heavy loads and high speed handling (up to 16 km/h).

Suitable for industrial environments, even in the presence of alcohols, glycols, hydrocarbons.

NOT RECOMMENDED FOR:

Areas in which there are organic and mineral acids, base solutions and saturated vapour.



Dimensions expressed in mm

Tech. Code	GR77 Euro										
N809180X70	(30,37)	80	70	1.06	20	70	47	14	800	250	700
N809180X90	(33,59)	80	90	1.35	20	90	47	14	1000	335	900
N809182X70	(31,47)	82	70	1.09	20	70	47	14	800	255	700
N809185X100	(40,24)	85	100	1.52	20	100	47	14	1100	400	1000
N809185X40	(27,98)	85	40	0.72	20	40	47	14	450	150	400
N809185X70	(32,64)	85	70	1.12	20	70	47	14	800	265	700
N809185X90	(38,05)	85	90	1.39	20	90	47	14	1000	350	900

BLACK RUBBER WHEELS – SHEET METAL DISC



ITEM: N8040

Black rubber ring, electrolytically galvanised sheet steel discs, electrolytically galvanised sheet steel light supports, rotating parts with double ball bearings lubricated by grease, orange polyethylene dust guard ring.

SUITABLE

For use in wet environments and with medium corrosive chemicals.

NOT RECOMMENDED

For use in environments with organic solvents, chlorinated substances, hydrocarbons and mineral oils.



Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N804080G	9,59	Rotating	80	25	0.69	107	100 x 85	80 x 60	9	39	120	65
N8040100G	10,15	Rotating	100	30	0.82	128	100 x 85	80 x 60	9	37	120	80
N8040125G	14,31	Rotating	125	37.5	1.18	156	100 x 85	80 x 60	9	39	120	130
N8040150G	16,55	Rotating	150	40	1.42	182	100 x 85	80 x 60	9	37	120	170
N8040200G	29,59	Rotating	200	50	3.25	240	140 x 110	105 x 80	11	56	156	230
N804080F	6,75	Fixed	80	25	0.49	107	100 x 85	80 x 60	9	39	120	65
N8040100F	7,31	Fixed	100	30	0.62	128	100 x 85	80 x 60	9	37	120	80
N8040125F	9,72	Fixed	125	37.5	0.92	156	100 x 85	80 x 60	9	39	120	130
N8040150F	11,96	Fixed	150	40	1.04	182	100 x 85	80 x 60	9	37	120	170
N8040200F	22,99	Fixed	200	50	2.89	240	140 x 110	105 x 80	11	56	156	230
N804080GFR	16,74	Rotating and brake	80	25	0.87	107	100 x 85	80 x 60	9	39	120	65
N8040100GFR	17,30	Rotating and brake	100	30	1.00	128	100 x 85	80 x 60	9	37	120	80
N8040125GFR	21,46	Rotating and brake	125	37.5	1.30	156	100 x 85	80 x 60	9	39	120	130
N8040150GFR	23,70	Rotating and brake	150	40	1.57	182	100 x 85	80 x 60	9	37	120	170
N8040200GFR	40,99	Rotating and brake	200	50	3.39	240	140 x 110	105 x 80	11	56	156	230

POLYURETHANE WHEELS - POLYAMIDE CENTRE



ITEM: N8050

Injected polyurethane ring, polyamide 6 centre, electrolytically galvanised sheet steel light supports, rotating parts with double ball bearings lubricated by grease, orange polyethylene dust guard ring.

SUITABLE

For use in environments with weathering agents, alcohol and glycol, organic acids and minerals, water and saturated steam.

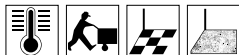
Note: the 60 series can be supplied with stainless steel supports, particularly recommended for medical and foodstuff environments and for particularly strong substances.



Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N805080G	10,66	Rotating	80	30	0.62	107	100 x 85	80 x 60	9	39	120	120
N8050100G	11,60	Rotating	100	30	0.74	128	100 x 85	80 x 60	9	37	120	170
N8050125G	17,88	Rotating	125	35	0.91	156	100 x 85	80 x 60	9	39	120	220
N8050150G	28,88	Rotating	150	45	1.83	194	140 x 110	105 x 80	11	56	156	300
N8050200G	40,24	Rotating	200	50	2.23	240	140 x 110	105 x 80	11	56	156	300
N805080F	7,83	Fixed	80	30	0.38	107	100 x 85	80 x 60	9	39	120	120
N8050100F	8,76	Fixed	100	30	0.43	128	100 x 85	80 x 60	9	37	120	170
N8050125F	13,31	Fixed	125	35	0.66	156	100 x 85	80 x 60	9	39	120	220
N8050150F	22,80	Fixed	150	45	1.46	194	140 x 110	105 x 80	11	56	156	300
N8050200F	33,64	Fixed	200	50	2.01	240	140 x 110	105 x 80	11	56	156	300
N805080GFR	17,82	Rotating and brake	80	30	0.81	107	100 x 85	80 x 60	9	39	120	120
N8050100GFR	18,76	Rotating and brake	100	30	0.89	128	100 x 85	80 x 60	9	37	120	170
N8050125GFR	25,03	Rotating and brake	125	35	1.05	156	100 x 85	80 x 60	9	39	120	220
N8050150GFR	40,28	Rotating and brake	150	45	2.11	194	140 x 110	105 x 80	11	56	156	300
N8050200GFR	51,65	Rotating and brake	200	50	2.49	240	140 x 110	105 x 80	11	56	156	300

POLYAMIDE WHEELS



ITEM: N8060

Solid polyamide 6 centre, electrolytically galvanised sheet steel light supports, rotating parts with double ball bearings lubricated by grease, orange polyethylene dust guard ring.

SUITABLE

For use in wet environments and with highly aggressive chemicals.

NOT RECOMMENDED

For use in environments with strong organic acids and mineral concentrates.

Note: the 68 series can be supplied with stainless steel supports, particularly recommended for medical and foodstuff environments and for particularly strong substances.



Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N806080G	9,88	Rotating	80	30	0.58	107	100 x 85	80 x 60	9	39	120	180
N8060100G	10,85	Rotating	100	30	0.65	128	100 x 85	80 x 60	9	37	120	200
N8060125G	16,70	Rotating	125	40	0.89	156	100 x 85	80 x 60	9	39	120	220
N8060150G	27,39	Rotating	150	45	1.77	194	140 x 110	105 x 80	11	56	156	300
N8060200G	38,15	Rotating	200	50	2.14	240	140 x 110	105 x 80	11	56	156	300
N806080F	7,04	Fixed	80	30	0.39	107	100 x 85	80 x 60	9	39	120	180
N8060100F	8,01	Fixed	100	30	0.46	128	100 x 85	80 x 60	9	37	120	200
N8060125F	12,12	Fixed	125	40	0.64	156	100 x 85	80 x 60	9	39	120	220
N8060150F	21,31	Fixed	150	45	1.45	194	140 x 110	105 x 80	11	56	156	300
N8060200F	31,56	Fixed	200	50	1.92	240	140 x 110	105 x 80	11	56	156	300
N806080GFR	17,03	Rotating and brake	80	30	0.78	107	100 x 85	80 x 60	9	39	120	180
N8060100GFR	18,00	Rotating and brake	100	30	0.85	128	100 x 85	80 x 60	9	37	120	200
N8060125GFR	23,86	Rotating and brake	125	40	1.04	156	100 x 85	80 x 60	9	39	120	220
N8060150GFR	38,78	Rotating and brake	150	45	1.99	194	140 x 110	105 x 80	11	56	156	300
N8060200GFR	49,55	Rotating and brake	200	50	2.33	240	140 x 110	105 x 80	11	56	156	300

POLYURETHANE WHEELS - ALUMINIUM CENTRE



ITEM: N8070

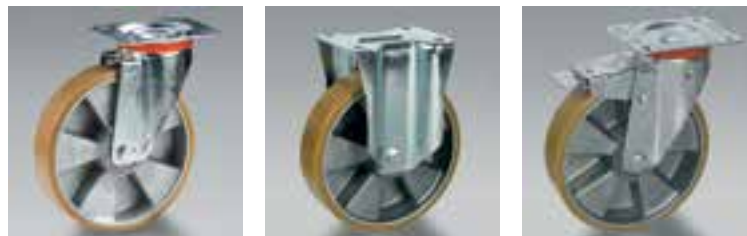
TR polyurethane ring, aluminium centre, electrolytically galvanised sheet steel light supports, rotating parts with double ball bearings lubricated by grease, orange polyethylene dust guard ring.

SUITABLE

For use in environments with weathering agents, alcohol and glycol.

NOT RECOMMENDED

For use in environments with mineral and organic acids, base solutions and saturated steam.



Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N807080G	23,08	Rotating	80	25	0.72	107	100 x 85	80 x 60	9	39	120	200
N8070100G	30,91	Rotating	100	30	0.94	128	100 x 85	80 x 60	9	37	120	200
N8070125G	35,67	Rotating	125	35	1.14	156	100 x 85	80 x 60	9	39	120	220
N8070150G	51,73	Rotating	150	40	2.34	194	140 x 110	105 x 80	11	56	156	300
N8070200G	73,16	Rotating	200	50	3.05	240	140 x 110	105 x 80	11	56	156	300
N807080F	20,24	Fixed	80	25	0.52	107	100 x 85	80 x 60	9	39	120	200
N8070100F	28,07	Fixed	100	30	0.69	128	100 x 85	80 x 60	9	37	120	200
N8070125F	31,08	Fixed	125	35	0.89	156	100 x 85	80 x 60	9	39	120	220
N8070150F	45,65	Fixed	150	40	2.04	194	140 x 110	105 x 80	11	56	156	300
N8070200F	66,56	Fixed	200	50	2.76	240	140 x 110	105 x 80	11	56	156	300
N807080GFR	30,24	Rotating and brake	80	25	0.91	107	100 x 85	80 x 60	9	39	120	200
N8070100GFR	38,06	Rotating and brake	100	30	1.08	128	100 x 85	80 x 60	9	37	120	200
N8070125GFR	42,82	Rotating and brake	125	35	1.28	156	100 x 85	80 x 60	9	39	120	220
N8070150GFR	63,14	Rotating and brake	150	40	2.63	194	140 x 110	105 x 80	11	56	156	300
N8070200GFR	84,56	Rotating and brake	200	50	3.25	240	140 x 110	105 x 80	11	56	156	300

POLYURETHANE WHEELS - CAST IRON CENTRE



ITEM: N8080

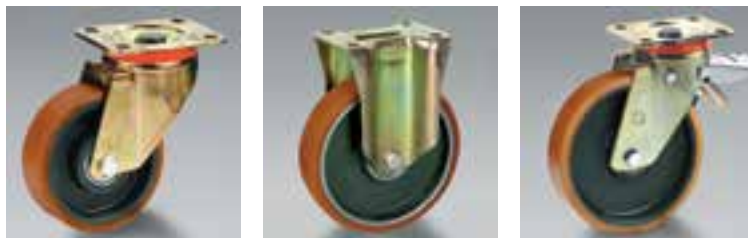
TR polyurethane ring, mechanical cast iron centre, galvanised colonial yellow sheet steel heavy supports, rotating parts with double ball bearings lubricated by grease, red polyamide 6 dust guard ring.

SUITABLE

For use in environments with weathering agents, alcohol and glycol.

NOT RECOMMENDED

For use in environments with mineral and organic acids, base solutions and saturated steam.



Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N8080100G	48,92	Rotating	100	38	1.93	138	100 x 85	80 x 60	9	46	120	350
N8080125G	57,61	Rotating	125	38	2.37	161	100 x 85	80 x 60	9	48	120	350
N8080150G	83,39	Rotating	150	50	4.81	200	140 x 110	105 x 80	11	70	126	700
N8080200G	114,04	Rotating	200	50	6.06	250	140 x 110	105 x 80	11	70	126	750
N8080100F	38,46	Fixed	100	38	1.52	138	100 x 85	80 x 60	9	46	120	350
N8080125F	46,68	Fixed	125	38	2.04	161	100 x 85	80 x 60	9	48	120	350
N8080150F	63,32	Fixed	150	50	3.55	200	140 x 110	105 x 80	11	70	126	700
N8080200F	91,98	Fixed	200	50	5.15	250	140 x 110	105 x 80	11	70	126	750
N8080100GFR	56,08	Rotating and brake	100	38	2.06	138	100 x 85	80 x 60	9	46	120	350
N8080125GFR	64,77	Rotating and brake	125	38	2.5	161	100 x 85	80 x 60	9	48	120	350
N8080150GFR	101,33	Rotating and brake	150	50	5.33	200	140 x 110	105 x 80	11	70	126	700
N8080200GFR	132,73	Rotating and brake	200	50	6.66	250	140 x 110	105 x 80	11	70	126	750

TR-POLYURETHANE ROLLERS – CAST ALUMINIUM CENTRE

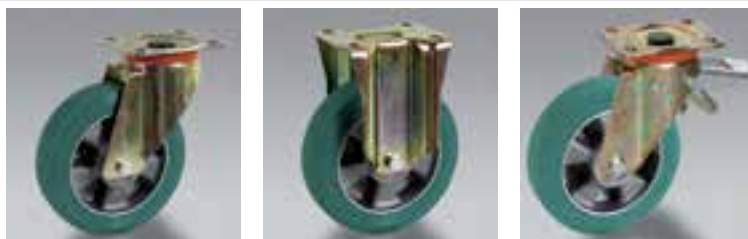


ITEM: N8090

Provide significant noise reduction of the trolleys and superior smoothness.

SUITABLE

For use at speeds up to 16 km/h and are, therefore, indicated for mechanical and mixed mechanical-manual handling.



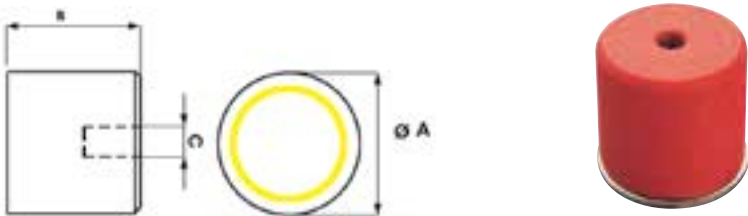
Dimensions expressed in mm

Tech. Code	GR77 Euro	Support										
N8090100G	57,54	Rotating	100	40	0.85	138	100 x 85	80 x 60	9	46	123	300
N8090125G	82,57	Rotating	125	40	2.33	170	140 x 110	105 x 80	11	70	126	350
N8090160G	93,82	Rotating	160	50	3.60	205	140 x 110	105 x 80	11	70	126	550
N8090200G	115,44	Rotating	200	50	4.31	250	140 x 110	105 x 80	11	70	126	700
N8090100F	47,08	Fixed	100	40	1.35	138	100 x 85	80 x 60	9	46	123	300
N8090125F	65,06	Fixed	125	40	1.69	170	140 x 110	105 x 80	11	70	126	350
N8090160F	73,75	Fixed	160	50	2.11	205	140 x 110	105 x 80	11	70	126	550
N8090200F	93,39	Fixed	200	50	2.85	250	140 x 110	105 x 80	11	70	126	700
N8090100GFR	64,70	Rotating and brake	100	40	1.52	138	100 x 85	80 x 60	9	46	123	300
N8090125GFR	100,50	Rotating and brake	125	40	1.86	170	140 x 110	105 x 80	11	70	126	350
N8090160GFR	111,76	Rotating and brake	160	50	4.17	205	140 x 110	105 x 80	11	70	126	550
N8090200GFR	133,39	Rotating and brake	200	50	4.91	250	140 x 110	105 x 80	11	70	126	700

ALNICO ALLOY PERMANENT MAGNETS

ITEM: N8101

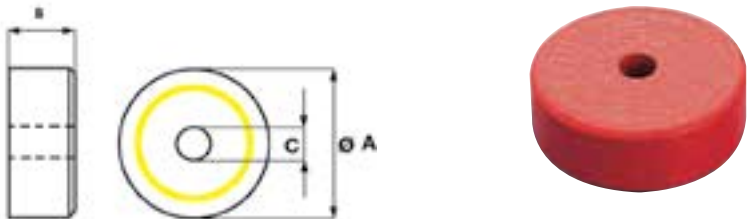
Alnico permanent magnets shielded with a brass ring, the shielding ensures increased magnetic coercivity allowing this product to maintain its shape even when inserted in ferrous components, the outer protection provides impact resistance. Heat-resistant up to 450°.



Tech. Code	GR76 Euro	A mm	B mm	C mm	Magnetic force kg
N81019,5	5,90	9.5	15	M3	1.5
N810112,7	5,50	12.7	15.8	M4	2
N810117,5	6,10	17.5	15.8	M6	4
N810120,6	7,20	20.6	19	M6	5.5
N810127	11,70	27	25.4	M6	10
N81013520	20,80	35	20	M6	12
N81013530	24,00	35	30	M6	18
N810145	36,40	45	30	M8	40
N810150	50,90	50	40	M8	50
N810155	18,50	55	14	M8	10

ITEM: N8102

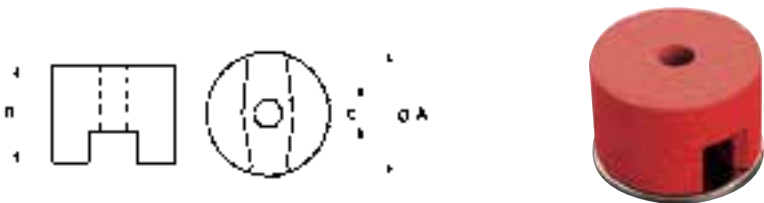
Alnico permanent magnets shielded with a brass ring, the shielding ensures increased magnetic coercivity allowing this product to maintain its shape even when inserted in ferrous components, the outer protection provides impact resistance. Heat-resistant up to 450°.



Tech. Code	GR76 Euro	A mm	B mm	C mm	Magnetic force kg
N810219	6,90	19	8	M4	2.5
N810228,6	8,50	28.6	9.5	M6	5.5
N810238	13,60	38	11.1	M6	10

ITEM: N8103

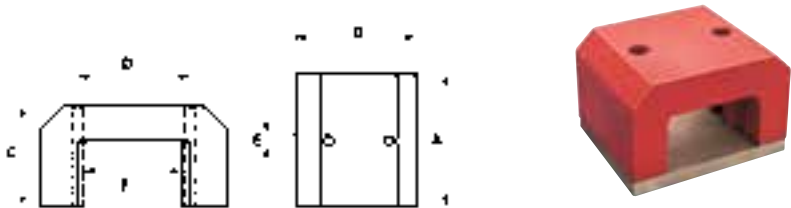
Alnico permanent magnets shielded with a brass ring, the shielding ensures increased magnetic coercivity allowing this product to maintain its shape even when inserted in ferrous components, the outer protection provides impact resistance. Heat-resistant up to 450°.



Tech. Code	GR76 Euro	A mm	B mm	C mm	Magnetic force kg
N810319	7,20	19	12.7	4.8	1.9
N810325,4	12,90	25.4	15.9	4.8	3

ITEM: N8104

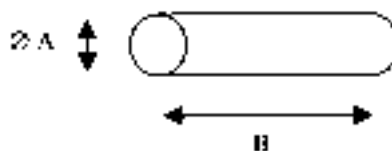
Alnico permanent magnets shielded with a brass ring, the shielding ensures increased magnetic coercivity allowing this product to maintain its shape even when inserted in ferrous components, the outer protection provides impact resistance. Heat-resistant up to 450°.



Tech. Code	GR76 Euro	A mm	B mm	C mm	D mm	E mm	F mm	Magnetic force kg
N810419	14,40	19	30	20	-	4.5	14.5	5
N810425	24,80	25	40	25	-	5	19	9
N810444	76,70	44	59	35	35	7.5	29	24

ALNICO ALLOY PERMANENT MAGNETS

ITEM: N8105

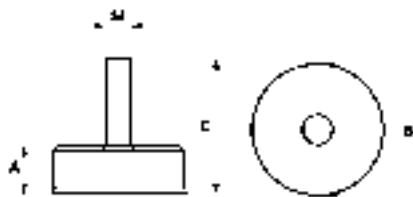


Tech. Code	GR76 Euro	A mm	B mm
N81056	2,10	6	20
N81058	3,20	8	25
N810510	4,80	10	30

NEODYMIUM PERMANENT MAGNETS

ITEM: N8110

Composed of an iron casing and a neodymium internal magnet, very strong despite the small dimensions. Widely used in positioning pieces of electric discharging machines.

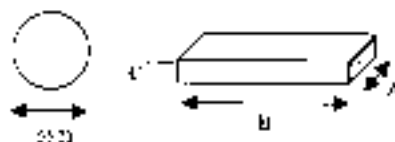


Tech. Code	GR76 Euro	A mm	B mm	C mm	M mm	Magnetic force kg
N8110A	18,90	7.5	19	-	-	6
N8110B	24,80	6	22	16	M5	5
N8110D	34,80	12	22	-	-	12

FERRITE RUBBER PERMANENT MAGNETS

ITEM: N8111

Magnetic rubber is a very malleable compound that is easily shaped, it does not feature a strong magnetic force, but if suitably applied it can solve major adhesion problems on walls and iron structures, it is easily applied.



Tech. Code	GR76 Euro	A mm	B mm	C mm	D mm
N811170X20	2,50	20	70	3	-
N8111120X30	5,90	30	120	6	-
N811120	0,60	-	-	3	20

Related products

WODEX COMBINATION RATCHET WRENCHES 72T

Tech. Code	● mm	a mm	L mm
E019010	10	5,5	160
E019013	13	6,5	180
E019014	14	7,0	193
E019015	15	7,5	200



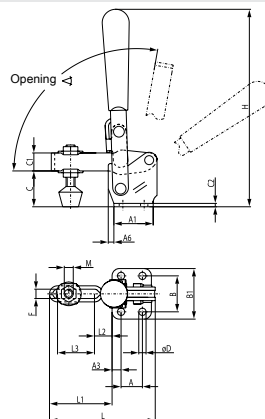
The products are available in chapter E

QUICK VERTICAL CLAMPS



ITEM: N8350

Quick vertical clamps complete with pressure screw locks, ideal for drilling operations assembling and bonding. Stainless steel rivets, ergonomic grip, resistant to oils.



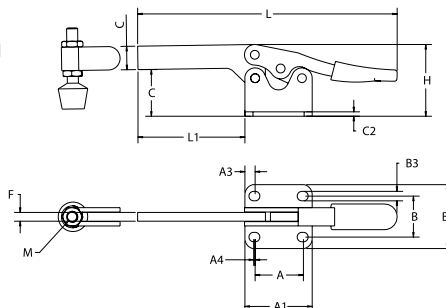
Tech. Code	GR76 Euro	MODEL	A mm	A1 mm	A3 mm	A6 mm	B mm	B1 mm	C mm	C1 mm	D mm	F mm	H mm	L mm	L1 mm	L2 mm	L3 mm	M mm
N8350201U	33,90	201-U	16	25,4	4,8	-	23,9	34	16	7,9	4,3	5,3	78,2	51,8	26,2	3,3	18,5	M5
N8350202U	37,20	202-U	12,4	25,4	6,6	2,8	26,7	39,1	23,4	9,7	5,6	6,6	110	69,6	43,9	13	24,9	M6
N8350207U	46,70	207-U	19,1	35,1	7,9	3,8	31,5	43,9	31,8	16	7,1	8,4	176	94,5	54,4	14,2	33	M8
N8350210U	66,30	210-U	31,8	48,5	7,9	10,7	45,2	64,3	42,4	20,1	8,4	10,2	207	140,7	92,2	23,9	61	M10

QUICK HORIZONTAL CLAMPS



ITEM: N8355

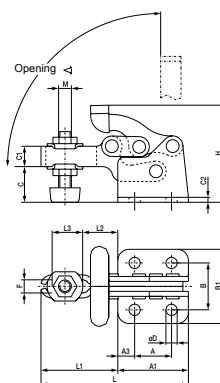
Quick horizontal clamps complete with pressure screw locks, ideal for drilling operations, assembling and bonding. Stainless steel rivets, ergonomic grip, resistant to oils.



Tech. Code	GR76 Euro	MODEL	A mm	A1 mm	A3 mm	A4 mm	B mm	B1 mm	B3 mm	C mm	C1 mm	C2 mm	H mm	L mm	L1 mm	M mm
N8355205S	30,50	205-S	13,5	23,9	6,4	2,3	15,7	24,1	4,3	9,1	3	1,5	17	71,1	22,4	M4

ITEM: N8358

Quick horizontal clamps complete with pressure screw locks, ideal for drilling operations, assembling and bonding. Stainless steel rivets, ergonomic grip, resistant to oil.



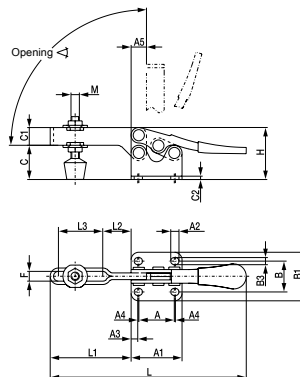
Tech. Code	GR76 Euro	MODEL	A mm	A1 mm	A3 mm	B mm	B1 mm	C mm	C1 mm	C2 mm	D mm	F mm	H mm	L mm	L1 mm	L2 mm	L3 mm	M mm
N8358305U	43,80	305-U	13,5	25,9	6,4	16	25,4	12,2	7,9	2	4,6	5,3	36,3	56,1	30,2	13	12,7	M5

QUICK HORIZONTAL CLAMPS



ITEM: N8360

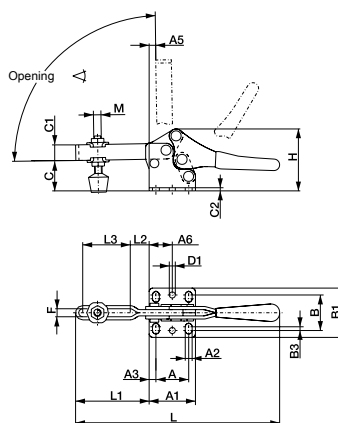
Quick horizontal clamps complete with pressure screw locks, ideal for drilling operations, assembling and bonding. Stainless steel rivets, ergonomic grip, resistant to oils.



Tech. Code	GR76 Euro	MODEL	A mm	A1 mm	A2 mm	A3 mm	A5 mm	B mm	B1 mm	C mm	C1 mm	F mm	H mm	L mm	L1 mm	L2 mm	L3 mm	M mm
N8360205U	24,40	205-U	11,4	23,9	6,6	4,1	5,8	15,7	24,1	8,1	6,4	4,6	17,8	67,3	18,8	5,6	9,4	M4
N8360215U	43,70	215-U	25,4	36,3	6,6	4,8	8,1	22,1	35,1	25,4	12,7	7,1	38,9	139,7	57,4	19,8	32	M6

ITEM: N8365

Quick horizontal clamps complete with pressure screw locks, ideal for drilling operations, assembling and bonding. Stainless steel rivets, ergonomic grip, resistant to oils.



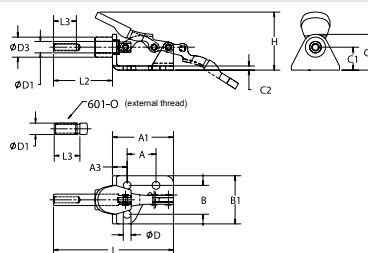
Tech. Code	GR76 Euro	MODEL	A mm	A1 mm	A2 mm	A3 mm	A5 mm	B mm	B1 mm	C mm	C1 mm	F mm	H mm	L mm	L1 mm	L2 mm	L3 mm	M mm
N8365213U	36,90	213-U	13,5	25,4	4,3	5,8	5,6	19,1	26,9	16,5	9,4	5,3	35,6	103,1	35,6	9,7	21,6	M5
N8365217U	49,30	217-U	26,2	37,1	5,6	5,3	7,6	28,4	39,4	23,4	12,4	6,4	49,5	177,8	58,7	14,2	39,1	M6
N8365227U	55,70	227-U	25,9	39,9	6,6	7,1	3,6	31,5	44,2	31,8	14,2	8,4	61	190,5	67,3	21,1	39,1	M8

QUICK PUSH ROD CLAMPS



ITEM: N8368

Quick push rod clamps threaded internally, ideal for drilling operations, assembling and bonding. Stainless steel rivets, ergonomic grip, resistant to oils.



Tech. Code	GR76 Euro	MODEL	A mm	A1 mm	A3 mm	B mm	B1 mm	C1 mm	C2 mm	C3 mm	D mm	D1 mm	D3 mm	H mm	L mm	L2 mm	L3 mm
N8368601M	46,70	601-M	16	33,8	8,1	16	26,7	12,7	2,3	19,8	4,3	M4	11,2	32,3	66,3	32,5	12,7

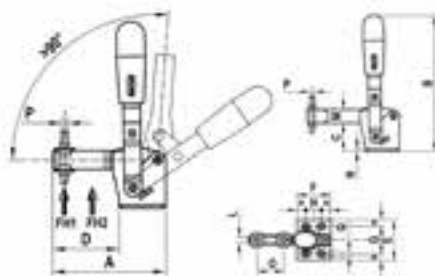
QUICK CLAMPS



ITEM: N8400

VERTICAL SERIES

Galvanised hardened sheet steel clamping lever with plastic cover, supplied without spindle.



Tech. Code	GR76 Euro	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	M mm	N mm	O. mm	P mm	Q mm	FH1 daN	FH2 daN
N840067	20,70	66.5	98	20.5	37.5	34	29	24	15÷16	5.2	11	2	20	M5	4.5	75	160
N840085	24,30	85	142	28	50	42	35	27÷29	12.5÷19	6.2	16	2.5	28	M6	5.6	105	175
N8400110,5	27,70	110.5	168	33.5	67.5	45	43	32	19÷20	8.5	18	3	40	M8	6.7	200	320
N8400129	39,80	129	195	43	79	65	50	45÷46	29÷32	10.5	22	3.5	43	M10	8.5	240	400
N8400164	62,80	164	247	55.5	106	65	58	45	32	12.5	26	4	64	M12	8.5	280	500
N8400223	78,50	223	303	84.5	143	95	80	70	50÷51	12.5	32	7	90	M12	12.5	450	875

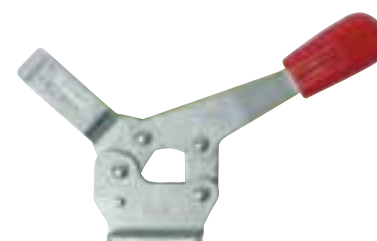
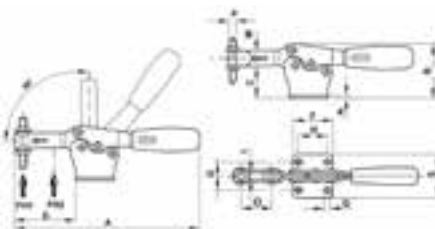
QUICK CLAMPS



ITEM: N8410

HORIZONTAL SERIES

Galvanised hardened sheet steel clamping lever with plastic cover, supplied without spindle.



Tech. Code	GR76 Euro	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	M mm	N mm	O. mm	P mm	Q mm	FH1 daN	FH2 daN
N841068	13,10	68	23	12	19	24.5	24	16	15	4.2	7	1.2	10	M4	4.3	40	-
N8410118	19,80	118	37	20	40	26	28	17	13.5	5.5	11	2	20	M5	4.5	90	135
N8410170	21,50	170	51	29	56	40	36	26	26	6.5	14	2.5	32	M6	5.5	100	200
N8410195	25,80	195	61.5	36.5	65	42	44	28.5	26	8.5	18	3	37	M8	6.5	170	330
N8410269	38,50	269	83	50	100	56	60	41	41	10	22	3.5	58	M10	8.5	180	400
N8410308	55,70	308	98.5	60	115	65	70	41.5	41.5	12.4	26	4	65	M12	8.5	320	620

HORIZONTAL QUICK CLAMPS WITH ANTI-RELEASE LEVER

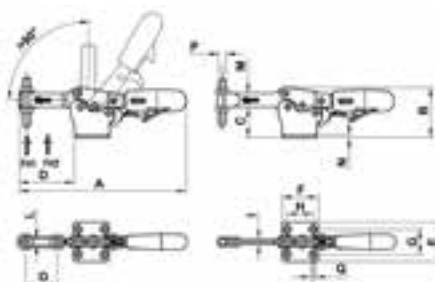


ITEM: N8412

HORIZONTAL SERIES

Some sizes of this series are also made of stainless steel and are shown in red.

The main feature of this series is the special anti-release lever with the purpose of avoiding any accidental openings caused by vibrations; these tools are designed to prevent the operator's fingers from being crushed by the levers when opening.



Tech. Code	GR76 Euro	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	M mm	N mm	O mm	P mm	Q mm	FH1 daN	FH2 daN
N8412118	25,80	118	37	20	39	26	28	16÷19	13.5	5.3	11	2	20	M5	4.5	90	135
N8412171	27,40	171	51	30.5	56.5	40	36	22.4÷28.4	26	6.3	16	2.5	32	M6	5.6	100	200
N8412196	31,80	196	61.5	36.5	65	44	44	26÷31.5	26	8.5	18	3	37	M8	6.6	170	330

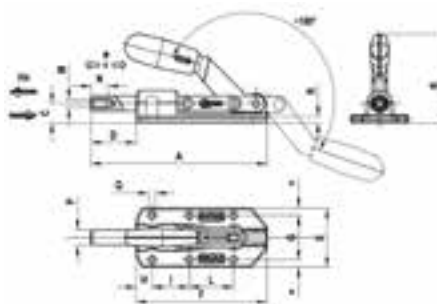
QUICK CLAMPS



ITEM: N8420

STRAIGHT-LINE ACTION SERIES

Galvanised hardened sheet steel clamping lever with plastic cover, base body of lacquered brass, * painted forged steel body, supplied without spindle.



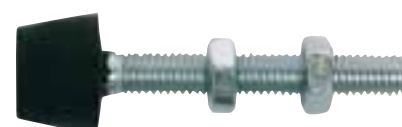
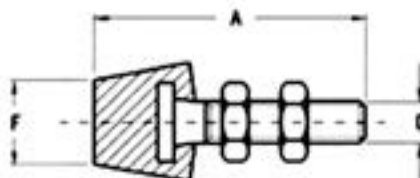
Tech. Code	GR76 Euro	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm	M mm	N mm	P mm	Q mm	R mm	* mm	FH daN
N842086	37,10	86	42.5	12	22	36	64	26	13	26	-	M6	12	8.5	4.3	6	20	120
N8420116	44,30	116	56	15	31	46	85	33.5	11.5	36.5	-	M6	12	11	5.5	7	30	280
N8420122*	60,50	122	75	25	32	45.9	90	33.5	36.5	36.5	-	M8	15	12	5.5	7	32	560
N8420165	79,30	164,5	75	18	42	55	122,5	41	15	35	41	M8	16	14	7	7	42	800
N8420182	91,80	182	95	25	49	57	133	41	15	35	41	M10	18	16	8,5	8	50	1600

SPINDLE WITH NEOPRENE THRUST



ITEM: N8430

Galvanised steel screw with two nuts.



Tech. Code	GR76 Euro	A mm	D mm	F mm
N8430M5	3,10	45	M5	10
N8430M6	3,60	55	M6	13
N8430M8	4,20	68	M8	16
N8430M10	4,70	80	M10	20

QUICK CLAMP DOUBLE SYSTEM

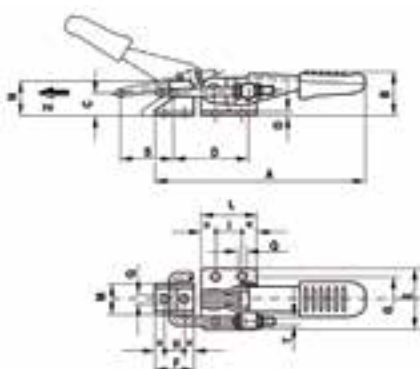


ITEM: N8435

The circular movement of the handle is transformed in linear action of the latch. These clamps are mostly used to fasten hinged lids and for containers. Holding capacities from 160 to 700 daN, and from 1700 to 4000 daN for heavy series.

The hook can be set within the adjustment range (D). The main feature of different models are as follow: The bearing surface is parallel as to the line of action to the force. Clamping force Fh 320 daN. When closed, the control lever is parallel to the bearing surface.

Galvanized finish. Weight 320gr.

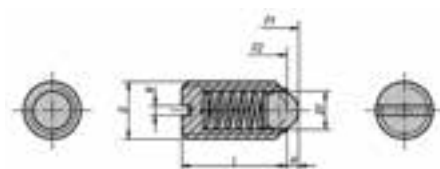


Tech. Code	GR76 Euro	MODEL	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm	M mm	N mm	Q mm	S mm	T mm	FH daN
N843598	22,00	160/T2	98	25	12	35+44	28	20	19	10	16	26	14	18	4,3	25	M4	160
N8435220	28,90	320/T2	152	30	16	54+63	44	28	32	14,3	19	40	22	25	6,5	48	M6	320
N8435221	48,50	700/T2	220	42	24	70+90	54	38	38	19	41,5	60	26	36	8,5	58	M8	750

SPRING PLUNGERS WITH SLOT AND BALL, STEEL

ITEM: N8440

Spring plungers with ball and slot for screwdrivers. Burnished steel body
5.8 resistance class, spring and steel ball.

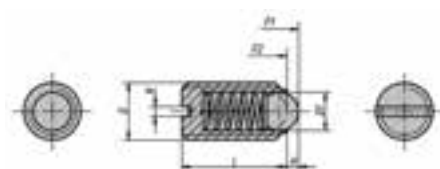


Tech. Code	GR76 Euro	D mm	D1 mm	L mm	H mm	N mm	F1 pressure N	F2 pressure N	
N844003	2,15	M3	1,5	7	0,5	0,4	1,5	3	50
N844004	1,71	M4	2,5	9	0,8	0,6	4	10	50
N844005	1,71	M5	3	12	0,9	0,8	6	11	50
N844006	1,71	M6	3,5	14	1	1	9	13	50
N844008	2,15	M8	5	16	1,5	1,2	15	30	50
N844010	2,15	M10	6	19	2	1,6	20	35	10
N844012	3,39	M12	8	22	2,5	2	30	55	10

SPRING PLUNGERS WITH SLOT AND BALL, STAINLESS STEEL

ITEM: N8441

Spring plungers with ball and slot for screwdrivers. Body in stainless steel
1.4305, spring 1.4310 and sphere 1.4034.

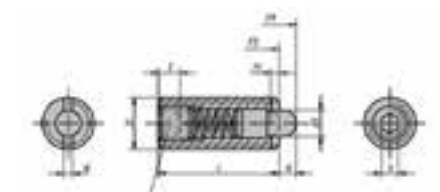


Tech. Code	GR76 Euro	D mm	D1 mm	L mm	H mm	N mm	F1 pressure N	F2 pressure N	
N844103	5,31	M3	1,5	7	0,5	0,4	1,5	3	50
N844104	4,52	M4	2,5	9	0,8	0,6	4	10	50
N844105	4,52	M5	3	12	0,9	0,8	6	11	50
N844106	4,52	M6	3,5	14	1	1	9	13	50
N844108	5,99	M8	5	16	1,5	1,2	15	30	50
N844110	6,90	M10	6	19	2	1,6	20	35	10
N844112	8,59	M12	8	22	2,5	2	30	55	10

SPRING PLUNGERS WITH HEXAGON SOCKET AND THRUST PIN, STEEL

ITEM: N8445

Spring plungers with pin and hexagon socket. Burnished steel body 5.8
class resistance, steel spring and hardened steel thrust pin.



Tech. Code	GR76 Euro	D mm	D1 mm	L mm	H mm	T mm	T1 mm	N mm	S mm	F1 pressure N	F2 pressure N	
N844503	4,86	M3	1	10	1,5	1,5	1	0,4	0,7	0,5	3	10
N844504	3,85	M4	1,5	15	1,5	2	0,6	0,6	1,3	5	16	10
N844505	3,73	M5	2,4	18	2,3	2	0,8	0,8	1,5	6	20	10
N844506	3,85	M6	2,7	20	2,5	2,5	1	1	2	7	20	10
N844508	4,41	M8	3,5	22	3	3	1,4	1,4	2,5	9	35	10
N844510	4,86	M10	4	22	3	3,5	1,4	1,4	3	9	35	10
N844512	6,33	M12	6	28	4	5	2	2	4	10	55	10

DRILL BUSHES DIN 179 – SHORT SERIES

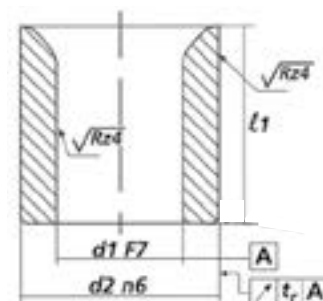


ITEM: 179/C

Material 16 Cr Ni 4
Grinding tolerances d1 = F7 and d2 = n6
Heat Treatment Cementing + hardening
Hardness 60 - 62 HRc

Tech. Code	GR76 Euro	D1 hole Ø mm	l1 mm	D2 ext. Ø mm
N85002	1,90	2	6	5
N85004	2,00	4	8	8
N85005	2,00	5	8	8
N85005,5	2,10	5.5	10	10
N85006	2,10	6	10	10
N85006,1	2,30	6.1	10	12
N85006,25	2,30	6.25	10	12
N85006,5	2,30	6.5	10	12
N85008	2,30	8	10	12

Tech. Code	GR76 Euro	D1 hole Ø mm	l1 mm	D2 ext. Ø mm
N850010	2,60	10	12	15
N850010,5	3,00	10.5	12	18
N850012	3,00	12	12	18
N850014	3,30	14	16	22
N850016	3,90	16	16	26
N850017	3,90	17	16	26
N850018	3,90	18	16	26
N850020	5,20	20	20	30
N850030	7,40	30	20	42



DRILL BUSHES DIN 172 – SHORT SERIES

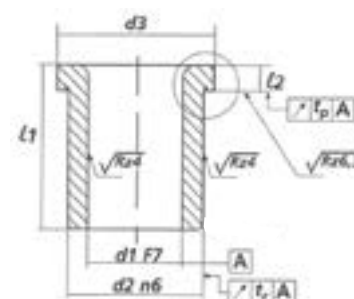


ITEM: 172/C

Material 16 Cr Ni 4
Grinding tolerances d1 = F7 and d2 = n6
Heat Treatment Cementing + hardening
Hardness 60 - 62 HRc

Tech. Code	GR76 Euro	Hole Ø d1 mm	l1 mm	l2 mm	Ext. Ø d2 mm	d3 Ø mm
N85102,2	2,80	2.2	6	2	5	8
N85102,3	2,80	2.3	6	2	5	8
N85102,4	2,80	2.4	6	2	5	8
N85102,5	2,80	2.5	6	2	5	8
N85103,3	2,80	3.3	8	2.5	6	9
N85103,5	2,50	3.5	8	2.5	7	10
N85104	2,50	4	8	2.5	7	10
N85105	2,60	5	8	2.5	8	11
N85105,1	2,80	5.1	10	3	10	13
N85105,5	2,80	5.5	10	3	10	13
N85106	2,80	6	10	3	10	13
N85106,5	3,10	6.5	10	3	12	15
N85106,8	3,10	6.8	10	3	12	15
N85107	3,10	7	10	3	12	15

Tech. Code	GR76 Euro	Hole Ø d1 mm	l1 mm	l2 mm	Ext. Ø d2 mm	d3 Ø mm
N85108	3,10	8	10	3	12	15
N85109	3,50	9	12	3	15	18
N851010	3,50	10	12	3	15	18
N851010,5	3,90	10.5	12	4	18	22
N851011	3,90	11	12	4	18	22
N851012	3,90	12	12	4	18	22
N851014	4,40	14	16	4	22	26
N851015	4,40	15	16	4	22	26
N851016	5,30	16	16	4	26	30
N851020	6,80	20	20	5	30	34
N851022	6,80	22	20	5	30	34
N851025	8,70	25	20	5	35	39
N851030	9,00	30	20	5	42	46
N851040	19,80	40	25	5	55	59



DRILL BUSHES DIN 179 – LONG SERIES

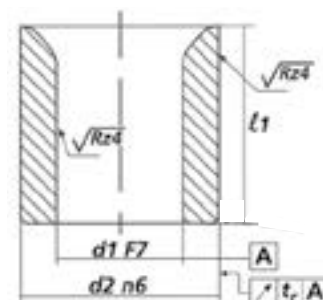


ITEM: 179/L

Material 16 Cr Ni 4
Grinding tolerances d1 = F7 and d2 = n6
Heat Treatment Cementing + hardening
Hardness 60 - 62 HRc

Tech. Code	GR76 Euro	D1 hole Ø mm	l1 mm	Ext. Ø D2 mm
N85202	2,00	2	9	5
N85203	2,00	3	12	6
N85203,2	2,00	3.2	12	6
N85203,5	2,00	3.5	12	7
N85204	2,00	4	12	7
N85205	2,20	5	12	8
N85206	2,50	6	16	10
N85208	2,60	8	16	12
N85209	3,00	9	20	15
N852010	3,00	10	20	15

Tech. Code	GR76 Euro	D1 hole Ø mm	l1 mm	Ext. Ø D2 mm
N852011	3,50	11	20	18
N852012	3,50	12	20	18
N852014	4,20	14	28	22
N852018	5,20	18	28	26
N852020	6,30	20	36	30
N852022	6,30	22	36	30
N852025	7,50	25	36	35
N852026	7,50	26	36	35
N852030	9,20	30	36	42



DRILL BUSHES DIN 172 – LONG SERIES

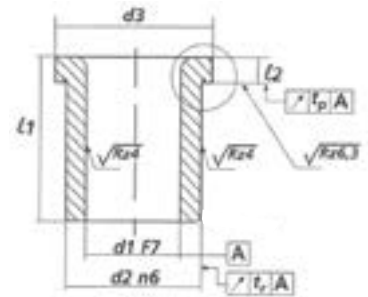


ITEM: 172/L

Material 16 Cr Ni 4
Grinding tolerances d1 = F7 and d2 = n6
Heat Treatment Cementing + hardening
Hardness 60 - 62 HRc

Tech. Code	GR76 Euro	Hole Ø d1 mm	I1 mm	I2 mm	Ext. Ø d2 mm	d3 Ø mm
N85303	3,00	3	12	2.5	6	9
N85304,5	3,00	4.5	12	2.5	8	11
N85305	3,00	5	12	2.5	8	11
N85306	3,10	6	16	3	10	13
N85306,5	3,50	6.5	16	3	12	15
N85307	3,50	7	16	3	12	15
N85308	3,50	8	16	3	12	15
N85308,5	3,90	8.5	20	3	15	18

Tech. Code	GR76 Euro	Hole Ø d1 mm	I1 mm	I2 mm	Ext. Ø d2 mm	d3 Ø mm
N853010	3,90	10	20	3	15	18
N853012	4,20	12	20	4	18	22
N853013	5,70	13	28	4	22	26
N853014	5,70	14	28	4	22	26
N853016	6,80	16	28	4	26	30
N853020	9,20	20	36	5	30	34
N853025	10,90	25	36	5	35	39
N853030	10,80	30	36	5	42	46

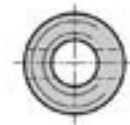
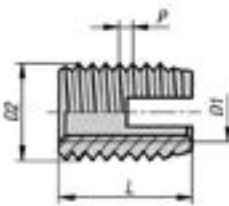


SELF-TAPPING THREAD INSERTS - GALVANIZED STEEL

ITEM: N8602

Galvanized case hardened steel self-tapping thread inserts with internal and external thread. Ideal for producing metric screw threads that are capable of supporting heavy loads. Vibration and wear resistant. Suitable for materials with low shear strength such as aluminium alloys, brass, bronze, cast iron, Duroplast and thermoplastic resins.

The thread inserts have a cutting slot and a tapered bottom, which allows them to join together. When screwed in, they cut their own threads inside the hole, ensuring that it is fastened firmly and securely.



Tech. Code	GR76 Euro	D1	D2 x P	L mm	Hole diameter mm	Hole depth mm	
N86020306	0,32	M3	MF 5 x 0.5	SERIE 6	4.5 - 4.8	8	100
N86020408	0,36	M4	MF 6.5 x 0.75	8	5.8 - 6.2	10	100
N86020510	0,52	M5	MF 8 x 1	10	7.1 - 7.6	13	100
N86020612	0,61	M6	MF 9 x 1	12	8.1 - 8.6	15	100
N86020614	0,61	M6	MF10 x 1.5	14	8.6 - 9.4	17	100
N86020815	0,73	M8	MF12 x 1.5	15	10.6 - 11.4	18	100
N86021018	1,07	M10	MF14 x 1.5	18	12.6 - 13.4	22	100
N86021222	1,70	M12	MF16 x 1.5	22	14.6 - 15.4	26	50
N86021424	2,39	M14	MF18 x 1.5	24	16.6 - 17.4	28	50
N86021622	2,83	M16	MF20 x 1.5	22	18.6 - 19.4	27	50

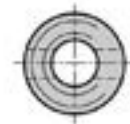
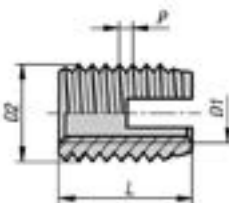
Manual installation tools code N8607__

SELF TAPPING THREAD INSERTS - STAINLESS STEEL AISI 303

ITEM: N8603

stainless steel 1.305 AISI 303 self-tapping thread inserts with internal and external thread. Ideal for producing metric screw threads that are capable of supporting heavy loads. Vibration and wear resistant. Suitable for materials with low shear strength such as aluminium alloys, brass, bronze, cast iron, Duroplast and thermoplastic resins.

The thread inserts have a cutting slot and a tapered bottom, which allows them to join together. When screwed in, they cut their own threads inside the hole, ensuring that it is fastened firmly and securely.



Tech. Code	GR76 Euro	D1	D2 x P	L mm	Hole Ø mm	Hole depth mm	
N86030306	0,81	M3	MF 5 x 0.5	6	4.5 - 4.8	8	100
N86030408	0,92	M4	MF 6.5 x 0.75	8	5.8 - 6.2	10	100
N86030510	1,21	M5	MF 8 x 1	10	7.1 - 7.6	13	100
N86030612	1,53	M6	MF 9 x 1	12	8.1 - 8.6	15	100
N86030614	1,82	M6	MF10 x 1.5	14	8.6 - 9.4	17	100
N86030815	2,14	M8	MF12 x 1.5	15	10.6 - 11.4	18	100
N86031018	3,04	M10	MF14 x 1.5	18	12.6 - 13.4	22	50
N86031222	4,56	M12	MF16 x 1.5	22	14.6 - 15.4	26	50

Manual installation tools code N8607__

WIRE THREAD INSERTS STAINLESS STEEL - M

ITEM: N8611

Very high mechanical strength stainless steel wire thread inserts (approx. 145 kg/mm²). Their typical design, in the shape of a spring, forms two perfectly concentric threads, one external and the other internal. The external one allows the wire thread insert to be inserted in a hole threaded with a specific tap, while the internal thread accommodates a screw with maximum precision.

The pull stud bolt, which is essential for inserting the thread into the hole, is easily removed after assembly using a break off tool. The external diameter of the wire thread inserts in their free state is greater than that of their receiving holes. The elastic deformation that they undergo when entering the hole generates a force that holds the thread firmly anchored to the walls of the hole, preventing them from coming out.



		1 x D		1.5 x D		2 x D		2.5 x D		3 x D	
Nominal		Tech. Code	GR76 Euro	Tech. Code	GR76 Euro	Tech. Code	GR76 Euro	Tech. Code	GR76 Euro	Tech. Code	GR76 Euro
M 2 x 0.4	100	N86110210	1,45	N86110215	(1,61)	N86110220	1,84	N86110225	(2,07)	N86110230	2,58
M 2.5 x 0.45	100	N861102510	(0,42)	N861102515	(0,44)	N861102520	(0,49)	N861102525	(0,55)	N861102530	(0,67)
M 3 x 0.5	100	N86110310	0,43	N86110315	0,47	N86110320	0,49	N86110325	0,58	N86110330	0,67
M 4 x 0.7	100	N86110410	0,39	N86110415	0,42	N86110420	0,44	N86110425	0,52	N86110430	0,61
M 5 x 0.8	100	N86110510	0,50	N86110515	0,51	N86110520	0,56	N86110525	0,64	N86110530	0,81
M 6 x 1	100	N86110610	0,52	N86110615	0,59	N86110620	0,66	N86110625	0,75	N86110630	0,90
M 7 x 1	100	N86110710	(0,50)	N86110715	0,66	N86110720	(0,69)	N86110725	(0,87)	N86110730	(1,03)
M 8 x 1.25	100	N86110810	0,57	N86110815	0,66	N86110820	0,76	N86110825	0,92	N86110830	1,06
M 10 x 1.5	100	N86111010	0,70	N86111015	0,79	N86111020	0,88	N86111025	1,03	N86111030	(1,22)
M 12 x 1.75	100	N86111210	1,08	N86111215	1,21	N86111220	1,34	N86111225	1,55	N86111230	1,84
M 14 x 2	50	N86111410	1,42	N86111415	1,56	N86111420	(1,67)	N86111425	(2,04)	N86111430	(2,46)
M 16 x 2	50	N86111610	2,02	N86111615	2,11	N86111620	2,56	N86111625	(2,69)	N86111630	(2,95)
M 18 x 2.5	25	N86111810	(3,61)	N86111815	(4,83)	N86111820	(5,96)	N86111825	(7,16)	N86111830	(8,59)
M 20 x 2.5	25	N86112010	(4,19)	N86112015	5,66	N86112020	(7,02)	N86112025	(8,52)	N86112030	(10,22)
M 22 x 2.5	10	N86112210	(4,43)	N86112215	(5,80)	N86112220	(7,21)	N86112225	(9,37)	N86112230	(11,25)
M 24 x 3	10	N86112410	(5,96)	N86112415	(6,99)	N86112420	(8,59)	N86114425	(10,59)	N86112430	(11,58)

Break off tools code N8655M_

WIRE THREAD INSERTS STAINLESS STEEL - MF

ITEM: N8612

Very high mechanical strength stainless steel wire thread inserts (approx. 145 kg/mm²). Their typical design, in the shape of a spring, forms two perfectly concentric threads, one external and the other internal. The external one allows the wire thread insert to be inserted in a hole threaded with a specific tap, while the internal thread accommodates a screw with maximum precision.

The pull stud bolt, which is essential for inserting the thread into the hole, is easily removed after assembly using a break off tool. The external diameter of the wire thread inserts in their free state is greater than that of their receiving holes. The elastic deformation that they undergo when entering the hole generates a force that holds the thread firmly anchored to the walls of the hole, preventing them from coming out.



		1 x D		1.5 x D		2 x D		2.5 x D		3 x D	
Nominal		Tech. Code	GR76 Euro	Tech. Code	GR76 Euro	Tech. Code	GR76 Euro	Tech. Code	GR76 Euro	Tech. Code	GR76 Euro
MF 8 x 1	100	N86120810010	0,72	N86120810015	0,72	N86120810020	(0,93)	N86120810025	1,09	N86120810030	(1,34)
MF10 x 1	100	N86121010010	0,48	N86121010015	0,82	N86121010020	(0,99)	N86121010025	1,20	N86121010030	(1,43)
MF10 x 1.25	100	N86121012510	0,45	N86121012515	0,52	N86121012520	(0,99)	N86121012525	(1,20)	N86121012530	(1,43)
MF12 x 1	100	N86121210010	(1,16)	N86121210015	(1,34)	N86121210020	(1,50)	N86121210025	(1,77)	N86121210030	(2,16)
MF12 x 1.25	100	N86121212510	(1,16)	N86121212515	(1,34)	N86121212520	(1,50)	N86121212525	1,77	N86121212530	(2,16)
MF12 x 1.5	100	N86121215010	1,16	N86121215015	1,34	N86121215020	1,50	N86121215025	(1,77)	N86121215030	(2,16)
MF14 x 1.25	50	N86121412510	(1,63)	N86121412515	1,88	N86121412520	(1,96)	N86121412525	(2,36)	N86121412530	(2,87)
MF14 x 1.5	50	N86121415010	1,63	N86121415015	1,88	N86121415020	1,96	N86121415025	(2,36)	N86121415030	(2,87)
MF16 x 1.5	50	N86121615010	2,23	N86121615015	2,31	N86121615020	2,87	N86121615025	(3,14)	N86121615030	(3,41)

Break off tools code N8655M_

TAPS FOR WIRE THREAD INSERTS

ITEM: N8630

Taps for hand or machine use.

Tech. Code	GR76 Euro	For threads
N8630M2X0,4	(14,65)	M 2 x 0,4
N8630M2,5X0,45	(14,65)	M 2,5 x 0,45
N8630M3X0,5	17,63	M 3 x 0,5
N8630M4X0,7	17,63	M4 x 0.70
N8630M5X0,8	17,95	M5 x 0.80
N8630M6X1,0	18,49	M6 x 1.00
N8630M7X1,0	(19,53)	M 7 x 1
N8630M8X1,0	31,26	MF 8 x 1
N8630M8X1,25	20,55	M8 x 1.25
N8630M10X1,0	36,12	MF 10 x 1
N8630M10X1,25	39,80	M10 x 1.25
N8630M10X1,50	24,12	M10 x 1.50
N8630M12X1,0	35,43	MF 12 x 1

Tech. Code	GR76 Euro	For threads
N8630M12X1,25	44,67	M12 x 1.25
N8630M12X1,5	26,80	MF 12 x 1,5
N8630M12X1,75	35,91	M12 x 1.75
N8630M14X1,25	59,92	M14 x 1.25
N8630M14X1,5	57,91	MF14 x 1,5
N8630M14X2,0	50,94	M14 x 2.00
N8630M16X1,5	61,32	MF 16 x 1,5
N8630M16X2,0	60,67	M16 x 2.00
N8630M18X2,5	95,93	M18 x 2.50
N8630M20X2,5	121,24	M20 x 2.50
N8630M22X2,5	(123,18)	M 22 x 2,5
N8630M24X3,0	(128,59)	M 24 x 3



MANDRELS FOR WIRE THREAD INSERTS

ITEM: N8650

Mandrels for wire thread inserts. Free rod insertion version.

Tech. Code	GR76 Euro	For threads
N8650M2X0,4	(193,60)	M2
N8650M2,5X0,45	(69,50)	M2.5
N8650M3X0,5	69,50	M3
N8650M4X0,7	56,30	M4
N8650M5X0,8	53,00	M5
N8650M6X1,0	53,00	M6
N8650M7X1,0	(55,40)	M7
N8650M8X1,0	53,00	MF8 x 1
N8650M8X1,25	53,00	M8
N8650M10X1,0	59,10	MF10 x 1
N8650M10X1,25	59,10	MF10 x 1,25
N8650M10X1,5	55,40	M10

Tech. Code	GR76 Euro	For threads
N8650M12X1,0	59,10	MF12x1
N8650M12X1,25	59,10	MF12 x 1,25
N8650M12X1,5	59,10	MF12 x 1.5
N8650M12X1,75	55,40	M12
N8650M14X1,25	104,30	MF14 x 1.25
N8650M14X2,0	103,70	M14
N8650M16X1,5	103,70	MF16 x 1.5
N8650M16X2,0	103,70	M16
N8650M18X2,5	141,10	M18
N8650M20X2,5	142,70	M20
N8650M22X2,5	(146,10)	M22
N8650M24X3,0	(146,10)	M24



THREAD INSERTS REPAIR KITS

ITEM: N8670

Thread Inserts repair kits studied to satisfy the needs of the technicians of the maintenance, practical and functional.

Composition of kit:

- 1 laying tool
- 1 finishing tap
- 5/6 thread Inserts 1,5xD

Tech. Code	GR76 Euro	For threads
N8670M03X0,5	107,40	M3
N8670M04X0,7	89,10	M4
N8670M05X0,8	89,10	M5
N8670M06X1,0	89,10	M6
N8670M08X1,0	100,30	MF8 x 1
N8670M08X1,25	90,00	M8
N8670M10X1,0	122,90	MF10 x 1

Tech. Code	GR76 Euro	For threads
N8670M10X1,25	114,90	MF10 x 1.25
N8670M10X1,5	100,90	M10
N8670M12X1,25	123,00	MF12 x 1.25
N8670M12X1,75	116,40	M12
N8670M14X2,0	200,30	M14
N8670M16X2,0	212,00	M16



THREAD INSERTS REPAIR KITS MULTIDIMENSION

ITEM: N8690

Thread Inserts repair kits multidimension studied to satisfy the needs of the technicians of the maintenance, pratical and functional.

Composition:

- 4 Laying tools for thread inserts M6 - M8 - M10 - M12
- 4 Taps for thread inserts M6 - M8 - M10 - M12
- 4 Cut-offs for thread inserts M6 - M8 - M10 - M12
- 15 Thread inserts 1.5xD for each dimension M6x1 - M8x1.25 - M10x1.5 - M12x1.7

Tech. Code	GR76 Euro	For threads	Pieces
N8690KITMULTI	411,90	M6 - M8 - M10 - M12	72



NYLON ANCHOR SX MODEL, WITH RIM AND SCREW



The 4-way expansion provides the optimum force distribution in the material, and offers high load-bearing capacities in solid and hollow building materials.

The expansion-free plug neck prevents the creation of expansion forces on the material surface whilst screwing in the screw. This helps to prevent damage to tiles and plaster.

The pronounced rim prevents the plug from slipping into the drill hole, thus allowing for a simple installation.

The greater anchorage depth of the SX means that the plug is especially suited to fixings in hollow building materials, aerated concrete and to bridge plaster

Building materials

Concrete, vertically perforated brick, hollow block made from lightweight concrete, cavity floor slabs made of brick, concrete, perforated sand-lime brick, solid sand-lime brick, natural stone with dense structure, aerated concrete, solid panel made from gypsum, solid brick made from lightweight concrete, solid brick.

The price shown refers to a pack of 100 pieces

Tech. Code	GR76 Euro	Supplier code	d ₀ mm	h1 mm	l mm	t fix mm	Screw = ds x l mm	
N820505	15,85	SX5x25S	5	35	25	5	4,0 x 30	100
N820506	16,93	SX6x30S	6	40	30	10	4,5 x 40	100
N820508	24,98	SX8x40S	8	50	40	10	5,0 x 50	50
N820510	60,20	SX10x50S	10	70	50	-	6,0 x 60	25



UNIVERSAL PLUG FU WITH RIM AND SCREW



The universal operating principle (knotting or expanding) allows for use in all solid, hollow and board building materials. Thus the FU is the correct choice for unknown base materials.

The FU's angled connection ridges allow for optimum screw guidance.

Serrated anti-rotation locks prevent rotation in the drill hole.

This guarantees the greatest possible installation safety.

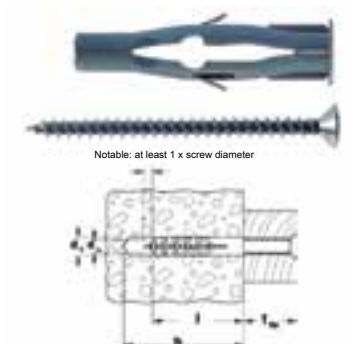
Fixing sets with screws, eye screws and hooks provide the right solution for all applications.

Building materials

Concrete, gypsum plasterboard and gypsum fibre boards, vertically perforated brick, hollow block made from lightweight concrete, cavity floor slabs made of brick, concrete, perforated sand-lime brick, solid sand-lime brick, aerated concrete.

The price shown refers to a pack of 100 pieces

Tech. Code	GR76 Euro	Supplier code	d ₀ mm	h1 mm	l mm	Screw = ds x l mm	t fix mm	
N82070635	29,13	FU6x35V	6	45	35	3,5 x 45	10	100
N82070645	33,33	FU6x45V	6	55	45	3,5 x 55	10	100
N820708	39,55	FU8x50V	8	60	50	4,5 x 60	10	50
N820710	65,60	FU10x60V	10	70	60	6,0 x 80	20	25



Notable: at least 1 x screw diameter

BRASS FIXING PO



The compact design of the brass fixing reduces the amount of drilling required, helping to ensure a fast installation.

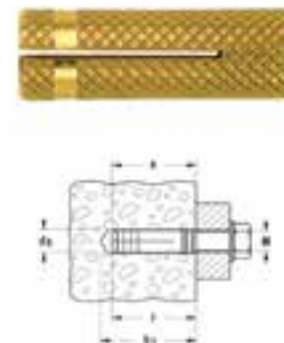
The special surface structure of the PO prevents the fixing from rotating in the drill hole. This provides increased installation safety.

The internal thread allows for the use of standard metric screws or threaded rods, and for surface flush removal and reuse of the fixing point. This provides great flexibility.

Building materials

Concrete and natural stone with dense structure.

Tech. Code	GR76 Euro	Supplier code	d ₀ mm	h1 mm	l mm	M	S mm	
N821006	0,50	PO M 6	8	30	24	M 6	24	100
N821008	0,61	PO M 8	10	40	30	M 8	30	100
N821010	0,99	PO M 10	12	45	35	M 10	35	100
N821012	1,84	PO M 12	15	50	40	M 12	40	100



HEAVY-DUTY ANCHOR TA M-S MODEL WITH TE SCREW



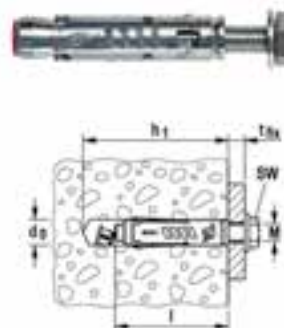
The optimized geometry minimise setting energy and allows for use in extremely narrow spaces. This allows for user-friendly installation. The three-part expansion sleeve creates even load distribution, thus allowing small edge and axial spacing. Thus the TA M is extremely flexible.

The metric internal thread allows to use standard screws or threaded rods for the ideal adaptation to suit the intended use. The red plastic cap protects against soiling and thus ensures free-running of the thread. Versions zinc-plated steel.

Building materials

Approved for concrete C20/25 to C50/60, noncracked, also suitable for concrete C12/15 natural stone with dense structure.

Tech. Code	GR76 Euro	Supplier code	d ₀ mm	h1 mm	l mm	t fix mm	Screw = d0 x l mm	
N821506	1,51	TA M6 S	10	65	49	10	M 6 x 60	50
N821508	1,89	TA M8 S	12	70	56	10	M 8 x 65	50
N821510	2,98	TA M10 S	15	90	69	20	M 10 x 90	25
N821512	4,21	TA M12 S	18	105	86	25	M 12 x 110	20



HEAVY-DUTY ANCHOR SLM WITH SCREW TE 8.8



The optimized geometry minimizes setting energy and allows for use in extremely narrow spaces. This allows for user-friendly installation. The three-part expansion sleeve creates even load distribution, thus allowing small edge and axial spacing. Thus the SLM is extremely flexible. The metric internal thread allows to use standard screws or threaded rods for the ideal adaptation to suit the intended use. The red plastic cap protects against soiling and thus ensures free-running of the thread.

Zinc version with TE screw in steel 8.8.

Building materials

Approved for, concrete C20/25 to C50/60, non-cracked.

Also suitable for, concrete C12/15 natural stone with dense structure.

Tech. Code	GR76 Euro	Supplier code	d ₀ mm	h1 mm	l mm	t fix mm	Screw = d0 x l mm	
N822006	1,64	SL M 6 S screw TE	12	60	45	10	M 6 x 50	50
N822008	2,05	SL M 8 S screw TE	14	65	50	10	M 8 x 60	50
N822010	3,54	SL M 10 S screw TE	16	80	60	20	M 10 x 80	25
N822012	5,25	SL M 12 S screw TE	20	95	75	20	M 12 x 90	20



BOLT ANCHOR ZINC-PLATED STEEL



The standard anchorage depth achieves the maximum load-bearing capacities. Thus fewer fixing points and smaller anchor plates are required. The reduced anchorage depth reduces the drill hole depth. This minimizes the amount of time needed for installation whilst increasing flexibility.

The long thread balances component tolerances and allows for stand-off installations, thus increasing flexibility.

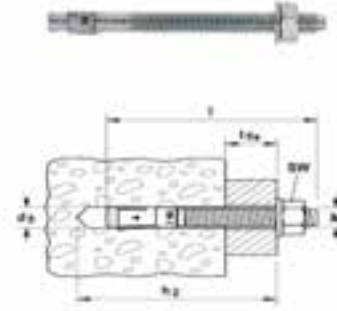
Few hammer blows and the minimal torque slippage allow for a noticeably simpler installation. The drive-in pin protects the thread from damage, and thus ensures a faster installation and dismantling of the attachment.

Building materials

Approved for concrete C20/25 to C50/60, non cracked

Also suitable for concrete C12/15 and natural stone with dense structure

Tech. Code	GR76 Euro	Supplier code	d ₀ mm	h2 mm	l mm	t fix mm	M Ø x mm	
N822508005	0,70	FBN II 8/5	8	61	66	5/15	M 8 x 34	50
N822508010	0,71	FBN II 8/10	8	66	71	10/20	M 8 x 39	50
N822508020	0,78	FBN II 8/20	8	76	81	20/30	M 8 x 49	50
N822508030	0,86	FBN II 8/30	8	86	91	30/40	M 8 x 59	50
N822508050	0,90	FBN II 8/50	8	106	111	50/60	M 8 x 79	50
N822510010	0,99	FBN II 10/10	10	78	86	10/20	M 10 x 46	50
N822510020	1,06	FBN II 10/20	10	88	96	20/30	M 10 x 56	50
N822510030	1,16	FBN II 10/30	10	98	106	30/40	M 10 x 66	50
N822510050	1,18	FBN II 10/50	10	118	126	50/60	M 10 x 86	20
N822510070	1,91	FBN II 10/70	10	138	146	70/80	M 10 x 106	20
N822510100	2,28	FBN II 10/100	10	168	176	100/110	M 10 x 136	20
N822512010	1,50	FBN II 12/10	12	95	106	10/25	M 12 x 59	20
N822512020	1,65	FBN II 12/20	12	105	116	20/35	M 12 x 69	10
N822512030	1,84	FBN II 12/30	12	115	126	30/45	M 12 x 79	20
N822512050	1,91	FBN II 12/50	12	135	146	50/65	M 12 x 99	20
N822516025	2,81	FBN II 16/25	16	129	145	25/40	M 16 x 89	10
N822516050	4,20	FBN II 16/50	16	154	170	50/65	M 16 x 105	10
N822516080	5,64	FBN II 16/80	16	184	200	80/95	M 16 x 144	10
N822516100	6,64	FBN II 16/100	16	204	220	110/115	M 16 x 164	10
N822520030	7,88	FBN II 20/30	20	165	187	30/55	M 20 x 90	10
N822520060	9,13	FBN II 20/60	20	195	217	60/85	M 20 x 90	10
N822520080	10,08	FBN II 20/80	20	215	237	80/105	M 20 x 90	10



BOLT ANCHOR FAZ II MODEL



The FAZ II tried and tested expansion clip enables the highest load bearing capacity. Thus fewer fixing points and smaller anchor plates are required.

The reduced anchorage depth allows for significantly reduced drill hole depths and reduces the number of reinforcement hits. This allows for a noticeably quicker installation.

Fewer hammer blows when hammering in the anchor, together with the low torque slippage, ensure a noticeably simple and comfortable setting process.

The international approvals guarantee maximum safety and the best performance. These approvals even cover use in earthquake zones (seismic).

Building materials

Approved for concrete C20/25 to C50/60, cracked. Concrete C20/25 to C50/60, non-cracked. Also suitable for concrete C12/15, natural stone with dense structure.

Tech. Code	GR76 Euro	Supplier code	d ₀ mm	h2 (*) mm	l mm	t fix mm	Threading mm	
N823008010	1,13	FAZ II 8/10 (1)	8	65	75	10/-	M 8 x 38	50
N823008050	1,65	FAZ II 8/50 (1)	8	105	115	50/-	M 8 x 78	50
N823010010	1,59	FAZ II 10/10 (1)	10	85	95	10/30	M 10 x 53	50
N823010050	2,18	FAZ II 10/50 (1)	10	125	135	50/70	M 10 x 93	20
N823012010	2,17	FAZ II 12/10 (1)	12	100	110	10/30	M 12 x 61	20
N823012020	2,52	FAZ II 12/20 (1)	12	110	120	20/40	M 12 x 71	20
N823012030	2,72	FAZ II 12/30 (1)	12	120	130	30/50	M 12 x 81	20
N823012050	3,35	FAZ II 12/50 (1)	12	140	150	50/70	M 12 x 101	20
N823016025	5,04	FAZ II 16/25 (1)	16	135	148	25/45	M 16 x 84	10
N823016050	6,43	FAZ II 16/50 (1)	16	160	173	50/70	M 16 x 109	10
N823016100	7,91	FAZ II 16/100 (1)	16	210	223	100/120	M 16 x 159	10



BOLT ANCHOR ZINC-PLATED STEEL FOR NON-CRACKED CONCRETE MOD. VE.A



ITEM: VE.A

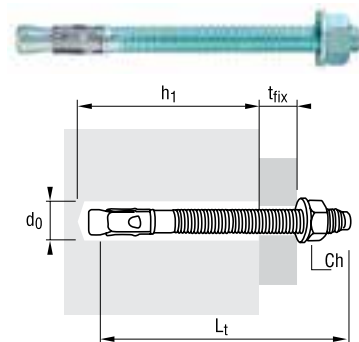
Mechanical anchors in galvanized steel with metal clamp and expansion cone. Extra-long thread ideal for all type of carpentry, plant and building applications.

- Features:
- Thread diameter equal to drilling diameter
- Reinforced head to avoid damaging the thread during installation
- Special shape expansion bush to make the expansion soft and progressive
- It guarantees high load values and rapid installation even without moving the object to be fixed

Support materials

Recommended for non-cracked concrete with strength class C20/25

Tech. Code	GR76 Euro	Article	d ₀ mm	L _t mm	t fix max mm	h ₁ mm	Ch mm	
N822308075	0,56	VA.A 8/15-75	8	75	15	55	13	100
N822308090	0,65	VE.A 8/25-90	8	90	25	55	13	50
N822310080	0,81	VE.A 10/10-80	10	80	10	60	17	50
N822310100	0,88	VE.A 10/30-100	10	100	30	60	17	50
N822310120	0,96	VE.A 10/50-120	10	120	50	60	17	50
N822310140	1,23	VE.A 10/70-140	10	140	70	60	17	50
N822312090	1,14	VE.A 12/15-90	12	90	15	65	19	50
N822312110	1,23	VE.A 12/20-110	12	110	20	80	19	25
N822312145	1,48	VE.A 12/50-145	12	145	50	85	19	25
N822316145	2,57	VE.A 16/30-145	16	145	30	100	24	15
N822316175	3,43	VE.A 16/60-175	16	175	60	100	24	15
N822320170	6,20	VE.A 20/30-170	20	170	30	120	30	5



BOLT ANCHOR ZINC-PLATED STEEL FOR NON-CRACKED CONCRETE MOD. VE.7CE



ITEM: VE.7CE

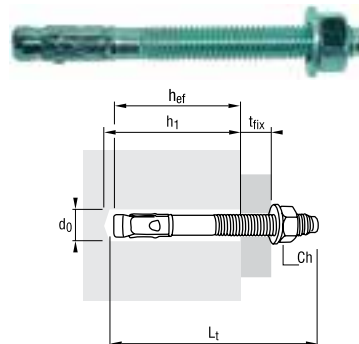
Mechanical anchors in galvanized steel with metal clamp and expansion cone **ETA-certified option 7** for non-cracked concrete C20 / 25 - C50 / 60. Suitable for anchoring in heavy carpentry, plant engineering, construction, laying of stairs and railings.

- Features:
- European technical approval
- Thread diameter equal to drilling diameter
- Head reinforced to avoid damaging the thread during installation
- Special shape expansion bush to make the expansion soft and progressive
- Ensures high load values and rapid installation even without moving the object to be fixed

Support materials

Approved for non-cracked concrete with strength class from C20/25 to C50/60.
Also suitable for non-cracked concrete with strength class C12/15 and compact natural stone.

Tech. Code	GR76 Euro	Article	d ₀ mm	L _t mm	t fix max mm	h ₁ mm	Ch mm	
N822708080	0,61	VE.7CE 8/15-80	8	80	15	45	13	100
N822708095	0,68	VE.7CE 8/30-95	8	90	30	45	13	50
N822710075	0,84	VE.7CE 10/1-75	10	75	1	51	17	50
N822710090	0,88	VE.7CE 10/15-90	10	90	15	51	17	50
N822710105	0,98	VE.7CE 10/25-105	10	105	25	51	17	50
N822710120	1,05	VE.7CE 10/45-120	10	120	45	51	17	50
N822712110	1,38	VE.7CE 12/15-110	12	110	15	66	19	25
N822712120	1,51	VE.7CE 12/25-120	12	120	25	66	19	25
N822712140	1,66	VE.7CE 12/45-140	12	140	45	66	19	25
N822712200	3,79	VE.7CE 12/105-200	12	200	105	66	19	25
N822716150	2,85	VE.7CE 16/30-150	16	150	30	80	24	15
N822716175	3,70	VE.7CE 16/55-175	16	175	55	80	24	15
N822716220	4,66	VE.7CE 16/100-220	16	220	100	80	24	15

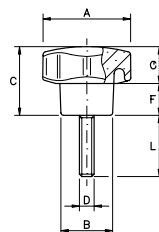


LOBE KNOBS 6 LOBES IN DUROPLAST - MALE THREAD



ITEM: N8701

Lobe knobs in duroplast, black colour with glossy finish. Resistant to solvents, oils and greases, zinc plated steel stud.



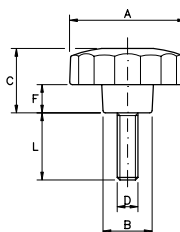
Tech. Code	GR76 Euro	A mm	D mm	L mm	B mm	C mm	F mm	G mm	Weight g	
N8701200520	1,70	20	M5	20	13	15	7	8	8	10
N8701300610	2,03	30	M6	10	17	24	11	13	16	10
N8701300615	2,03	30	M6	15	17	24	11	13	18	10
N8701300620	2,05	30	M6	20	17	24	11	13	20	10
N8701300630	2,06	30	M6	30	17	24	11	13	22	10
N8701300640	2,11	30	M6	40	17	24	11	13	24	10
N8701300815	2,14	30	M8	15	17	24	11	13	23	10
N8701300820	2,16	30	M8	20	17	24	11	13	25	10
N8701300825	2,17	30	M8	25	17	24	11	13	26	10
N8701300830	2,17	30	M8	30	17	24	11	13	27	10
N8701400815	2,54	40	M8	15	21	28	13	15	36	10
N8701400825	2,69	40	M8	25	21	28	13	15	39	10
N8701400830	2,71	40	M8	30	21	28	13	15	40	10
N8701400840	2,76	40	M8	40	21	28	13	15	44	10
N8701400850	2,79	40	M8	50	21	28	13	15	46	10
N8701401030	3,02	40	M10	30	21	28	13	15	50	10
N8701401050	3,02	40	M10	50	21	28	13	15	60	10
N8701500830	3,15	50	M8	30	25	33	15	18	56	10
N8701500840	3,15	50	M8	40	25	33	15	18	60	10
N8701501030	3,27	50	M10	30	25	33	15	18	65	10
N8701501040	3,51	50	M10	40	25	33	15	18	70	10
N8701601220	4,42	60	M12	20	28	35	15	20	101	10
N8701601230	4,49	60	M12	30	28	35	15	20	107	10

LOBE KNOBS 8 LOBES IN TECHNOPOLYMER - MALE THREAD



ITEM: N8704

Lobe knobs in technopolymer black in colour with matt finish, zinc plated steel stud.



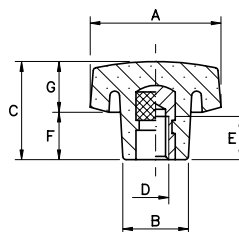
Tech. Code	GR76 Euro	A mm	D mm	L mm	B mm	C mm	F mm	G mm	Weight g	
N8704250510	0,95	25	M5	10	13	17	8	9	7	10
N8704250515	0,95	25	M5	15	13	17	8	9	8	10
N8704250615	1,00	25	M6	15	13	17	8	9	10	10
N8704250620	1,00	25	M6	20	13	17	8	9	11	10
N8704350820	1,25	35	M8	20	18	20	8	12	26	10
N8704451030	1,75	45	M10	30	22	26	12	14	51	10

LOBE KNOBS 6 LOBES IN DUROPLAST - FEMALE THREAD



ITEM: N8711

Lobe knobs in duroplast black in colour with glossy finish. Resistant to solvents, oils and greases, brass bush with threaded blind hole.



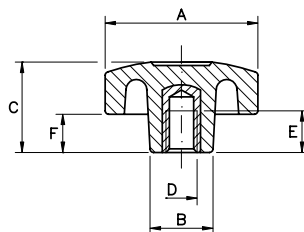
Tech. Code	GR76 Euro	A mm	D mm	B mm	C mm	E mm	F mm	G mm	Weight g	
N87113005	2,13	30	M5	17	24	9	11	13	14	10
N87113006	2,25	30	M6	17	24	9	11	13	15	10
N87114006	2,76	40	M6	21	28	13	13	15	26	10
N87114008	2,79	40	M8	21	28	15	13	15	30	10

LOBE KNOBS 8 LOBES IN TECHNOPOLYMER - FEMALE THREAD

WRK

ITEM: N8714

Lobe knobs in technopolymer black colour with matt finish, brass bush with threaded blind hole.



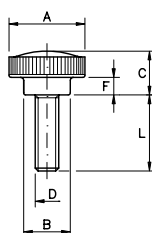
Tech. Code	GR76 Euro	A mm	D mm	B mm	C mm	E mm	F mm	G mm	Weight g	
N87142505	1,11	25	M5	13	17	9	8	9	7	10
N87143506	1,19	35	M6	18	20	13	8	12	16	10
N87143508	1,36	35	M8	18	20	13	8	12	17	10
N87144510	1,71	45	M10	22	26	13	12	14	29	10

KNURLED LOBE KNOBS IN TECHNOPOLYMER - ZINC PLATED STUD

WRK

ITEM: N8718

Lobe knobs in technopolymer colour black with matt finish, zinc plated steel stud.



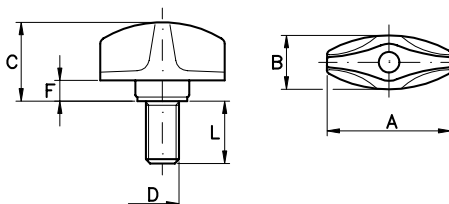
Tech. Code	GR76 Euro	A mm	D mm	L mm	B mm	C mm	F mm	Weight g	
N8718220510	0,64	22	M5	10	15	14	6	7	10

WING NUTS IN TECHNOPOLYMER - ZINC PLATED STUD

WRK

ITEM: N8719

Wing nuts in technopolymer black colour with matt finish, zinc plated steel stud.



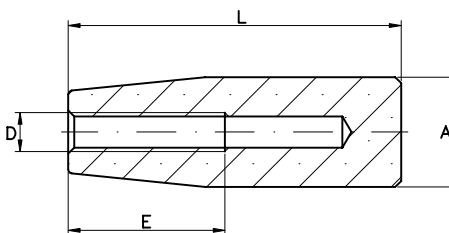
Tech. Code	GR76 Euro	A mm	D mm	L mm	B mm	C mm	F mm	Weight g	
N87190420	0,87	30	M4	20	13	19	5	5,4	10
N87190640	0,92	30	M6	40	13	19	5	12,2	10

CYLINDRICAL HANDLES FIXED IN DUROPLAST - FEMALE THREAD

WRK

ITEM: N8722

Cylindrical handles in duroplast black colour with glossy finish, resistant to solvents, oils and greases, threaded blind hole.



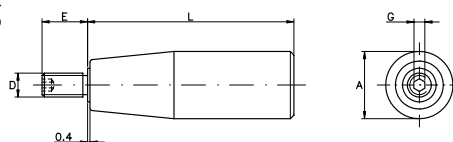
Tech. Code	GR76 Euro	A mm	L mm	D mm	E mm	Coil weight g	
N872205008	1,66	21	50	M8	25	19	10
N872206510	1,93	25	65	M10	30	35	10
N872211508	4,21	29	115	M8	40	88	10
N872211510	4,21	29	115	M10	40	87	10
N872211512	4,21	29	115	M12	40	86	10

CYLINDRICAL REVOLVING HANDLES IN DUROPLAST - MALE THREAD



ITEM: N8731

Cylindrical handles duroplast black colour with glossy finish. Resistant to oils and greases, zinc plated steel stud with hexagon socket built to facilitate the locking process.



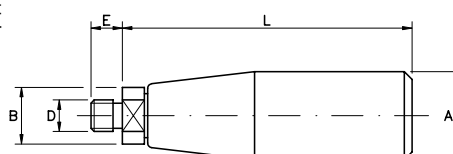
Tech. Code	GR76 Euro	A mm	L mm	D mm	E mm	G mm	Weight g	
N87314006	3,86	17	40	M6	13	3	26	10
N87316508	4,88	25	65	M8	15	4	73	10
N87318510	5,51	28	85	M10	17	5	110	10

CYLINDRICAL REVOLVING HANDLES IN DUROPLAST - MALE THREAD



ITEM: N8732

Cylindrical handles in duroplast black colour with glossy finish. Resistant to solvents, oils and greases, zinc plated steel studs with provision for locking through the use of spanners.



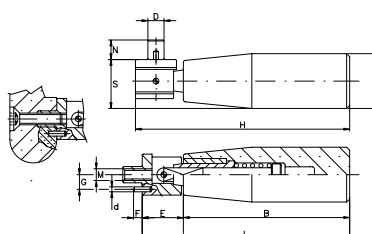
Tech. Code	GR76 Euro	A mm	L mm	D mm	E mm	B mm	Weight g	
N87324008	4,43	17	45	M8	8	12	22	5
N87325508	5,07	23	61	M8	10	16	55	5
N87326510	5,51	25	71	M10	13	18	88	5
N87328510	6,41	28	92	M10	13	20	122	5

HANDLES IN TECHNOPOLYMER REVOLVING AND FLIPPABLE



ITEM: N8734

Cylindrical handles in duroplast black colour with glossy finish. Resistant to solvents, oils and greases, zinc plated steel stud with provision for locking through the spanners.



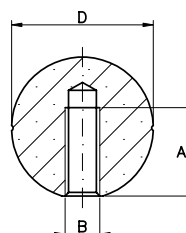
Tech. Code	GR76 Euro	A mm	B mm	S mm	D mm	N mm	M mm	d mm	G mm	F mm	E mm	H mm	L mm	Weight g	
N87346506	21,88	25	65	21	8	8	M6	2,5	7,5	4	17	86	82	85	1
N87348506	25,92	28	85	24	8	10	M6	2,5	7,5	4	20	108	105	132	1

KNOB HANDLES IN DUROPLAST - FEMALE THREAD



ITEM: N8746

Knob handles with a central groove in duroplast black colour with glossy finish. Resistant to solvents, oils and greases, threaded blind hole.



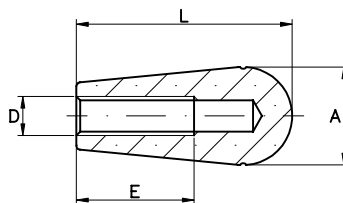
Tech. Code	GR76 Euro	D mm	B mm	A mm	Weight g	
N87462506	1,17	25	M6	17	11	10
N87463206	1,26	32	M6	20	23	10
N87463208	1,26	32	M8	20	22	10
N87464108	1,65	41	M8	20	48	10
N87464110	1,65	41	M10	20	46	10
N87464710	2,25	47	M10	23	70	10
N87464716	2,25	47	M16	23	65	10
N87466010	6,44	60	M10	25	153	10

FIXED HANDLES IN DUROPLAST - FEMALE THREAD

WRK

ITEM: N8751

Conical handles with ends rounded in duroplast black colour with glossy finish. Resistant to solvents, oils and greases, threaded blind hole.



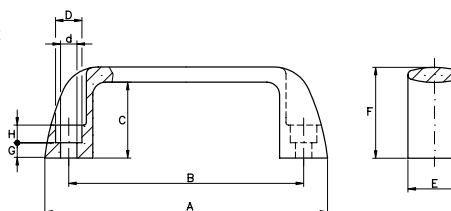
Tech. Code	GR76 Euro	A mm	L mm	D mm	E mm	Coil weight g	
N87514006	1,61	22	40	M6	25	18	10
N87514008	1,61	22	40	M8	25	17	10

HANDLES IN TECHNOPOLYMER - THROUGH HOLE

WRK

ITEM: N8756

Handles technopolymer black colour re-enforced with glass fibres, matt finish, through hole for fixing with screws TCEI UNI5931 M8.



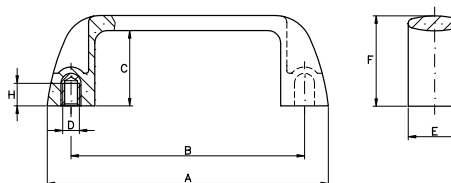
Tech. Code	GR76 Euro	B mm	A mm	E mm	F mm	C mm	G mm	H mm	D mm	d mm	Weight g	
N875611785	2,57	117	139	26	41	34	6	9	13	8,5	40	10

HANDLES IN TECHNOPOLYMER - THREADED BLIND HOLE

WRK

ITEM: N8757

Handles in technopolymer black colour re-enforced with glass fibers, matt finish, brass bush with threaded blind hole.



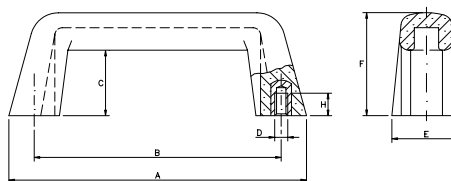
Tech. Code	GR76 Euro	B mm	A mm	E mm	F mm	C mm	H mm	D mm	Weight g	
N875709306	3,61	93,5	112	21	36	30	9	M6	33	10
N875711808	3,83	117	139	26	41	34	9	M8	49	10
N875713208	4,27	132	156	27	45	37	9	M8	64	10
N875717908	5,87	179	204	28	50	42	9	M8	82	10

HANDLES IN DUROPLAST - THREADED BLIND HOLE

WRK

ITEM: N8758

Handles in duroplast black colour with glossy finish. Resistant to solvents, oils and greases, brass bush with threaded blind hole.



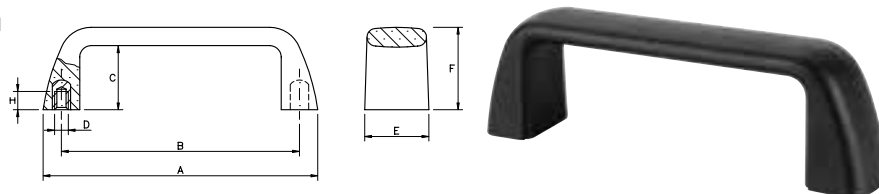
Tech. Code	GR76 Euro	B mm	A mm	C mm	E mm	F mm	H mm	D mm	Weight g	
N875811708	6,21	117	140	30	30	48	15	M8	125	10

HANDLES IN TECHNOPOLYMER - THREADED BLIND HOLE

WRK

ITEM: N8759

Handles in technopolymer black colour, brass bush with threaded blind hole.



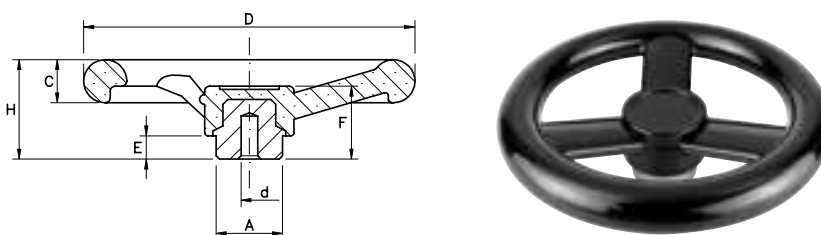
Tech. Code	GR76 Euro	B mm	A mm	E mm	F mm	C mm	H mm	D mm	Weight g	
N875911708	3,52	117	133	26	40	32	9	M8	61	10

SPOKED HANDWHEELS IN RE-ENFORCED DUROPLAST

WRK

ITEM: N8761

Black re-enforced highly resistant duroplast body with glossy finish. Resistant to solvents, oils and greases, protruding hub zinc plated with blind hole which can be expanded to the measurement required.



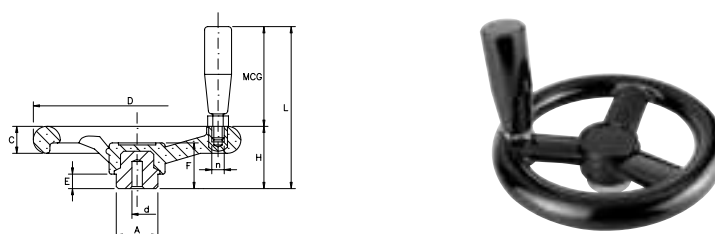
Tech. Code	GR76 Euro	D mm	H mm	A mm	d mm	F mm	E mm	C mm	Weight g	
N8761100	13,00	100	40	24	4	34	11	15	162	1
N8761125	13,12	125	46	24	6	37	13	17	260	1
N8761150	20,65	150	49	32	6	38	13	20	385	1
N8761175	27,96	175	56	40	6	42	16	22	611	1
N8761200	29,37	200	61	40	6	45	16	24	761	1
N8761250	43,78	250	72	48	8	50	17	28	1210	1
N8761300	67,74	300	78	58	8	56	18	34	2015	1

SPOKED HANDWHEELS IN RE-ENFORCED DUROPLAST WITH HANDLE

WRK

ITEM: N8771

Black re-enforced highly resistant body with glossy finish. Resistant to solvents, oils and greases, protruding hub zinc plated with blind hole which can be expanded to the measurement required. Revolving handle made of steel stud.



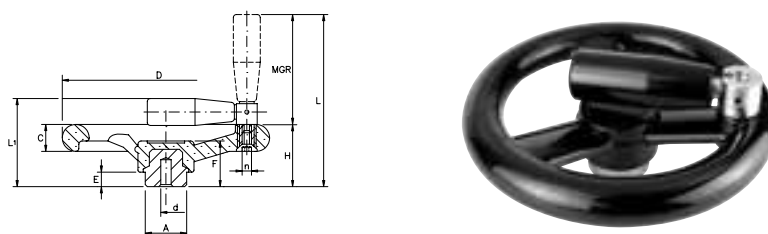
Tech. Code	GR76 Euro	D mm	H mm	L mm	C mm	A mm	d mm	E mm	F mm	n mm	Weight g	Handles spare part	
N8771100	19,80	100	40	85	15	24	4	11	34	M8	191	N87324008	1
N8771125	21,09	125	46	107	17	24	6	13	37	M8	309	N87325508	1
N8771150	28,15	150	49	120	20	32	6	13	38	M10	484	N87326510	1
N8771175	39,46	175	56	127	22	40	6	16	42	M10	694	N87326510	1
N8771200	40,76	200	61	153	24	40	6	16	45	M10	897	N87328510	1
N8771250	54,01	250	72	164	28	48	8	17	50	M10	1367	N87328510	1
N8771300	82,82	300	78	170	34	58	8	18	56	M10	2130	N87328510	1

SPOKED HANDWHEELS IN RE-ENFORCED DUROPLAST WITH HANDLE

WRK

ITEM: N8772

Black re-enforced highly resistant body with glossy finish. Resistant to solvents, oils and greases, protruding hub zinc plated with blind hole which can be expanded to the measurement required. Handle rotatable and foldable for reduced dimensions and operators safety.



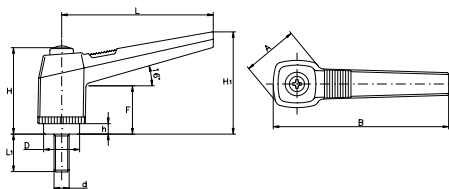
Tech. Code	GR76 Euro	D mm	H mm	L mm	L1 mm	C mm	A mm	d mm	E mm	F mm	n mm	Weight g	Handles spare part	
N8772150	58,90	150	49	131	70	20	32	6	13	38	M6	490	N87346506	1
N8772175	66,05	175	56	138	77	22	40	6	16	42	M6	700	N87346506	1
N8772200	69,12	200	61	166	85	24	40	6	16	45	M6	912	N87348506	1
N8772250	86,63	250	72	177	96	28	48	8	17	50	M6	1380	N87348506	1
N8772300	111,91	300	78	183	102	34	58	8	18	56	M6	2142	N87348506	1

CLAMP LEVERS - MALE THREAD

WRK

ITEM: N8781

Clamp levers in technopolymer in fiber glass, black colour with matt finish, male thread zinc plated.



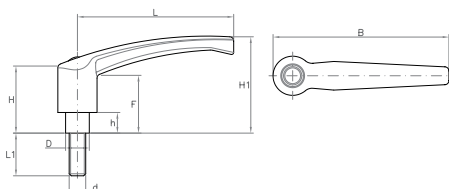
Tech. Code	GR76 Euro	L mm	d	L1 mm	H mm	A mm	B mm	H1 mm	F mm	D mm	h mm	Weight g	
N8781420520	2,90	42	M5	20	29	19	50	32	17	12	3	13	10
N8781420615	2,92	42	M6	15	29	19	50	32	17	12	3	14	10
N8781420620	2,92	42	M6	20	29	19	50	32	17	12	3	15	10
N8781420630	3,11	42	M6	30	29	19	50	32	17	12	3	16	10
N8781630620	3,42	63	M6	20	39	25	73	43	21	15	4	28	10
N8781630630	3,52	63	M6	30	39	25	73	43	21	15	4	30	10
N8781630640	3,57	63	M6	40	39	25	73	43	21	15	4	31	10
N8781630820	3,43	63	M8	20	39	25	73	43	21	15	4	33	10
N8781630825	3,46	63	M8	25	39	25	73	43	21	15	4	34	10
N8781630830	3,55	63	M8	30	39	25	73	43	21	15	4	36	10
N8781630840	3,59	63	M8	40	39	25	73	43	21	15	4	38	10
N8781630850	3,67	63	M8	50	39	25	73	43	21	15	4	39	10
N8781801030	4,52	80	M10	30	48	30	92	54	27	19	6	61	10
N8781801040	4,63	80	M10	40	48	30	92	54	27	19	6	66	10
N8781801050	4,80	80	M10	50	48	30	92	54	27	19	6	71	10
N8781801060	4,99	80	M10	60	48	30	92	54	27	19	6	78	10
N8781801250	5,53	80	M12	50	48	30	92	54	27	19	6	95	10
N87811001250	8,10	100	M12	50	58	36	115	66	30	25	8	126	10
N87811001260	8,52	100	M12	60	58	36	115	66	30	25	8	138	10

METAL CLAMP LEVERS - MALE THREAD

WRK

ITEM: N8783

Clamp levers with zinc alloy lever painted orange with toothed threaded body in burnish steel, male thread in burnish steel.



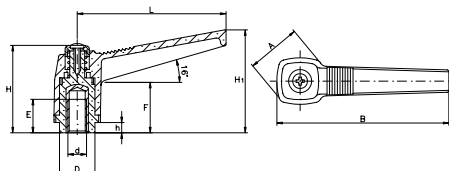
Tech. Code	GR76 Euro	L mm	d	L1 mm	D mm	H1 mm	H mm	h mm	F mm	B mm	Weight g	
N8783440530	5,81	44	M5	30	9,5	36	23	5	21	52	40	10
N8783440620	5,51	44	M6	20	9,5	36	23	5	21	52	40	10
N8783440630	5,81	44	M6	30	9,5	36	23	5	21	52	41	10
N8783650630	7,85	65	M6	30	11,5	47	33	10	28	75	80	10
N8783650830	8,03	65	M8	30	11,5	47	33	10	28	75	84	10
N8783650840	8,19	65	M8	40	11,5	47	33	10	28	75	87	10
N8783801040	12,65	80	M10	40	19	62	41	12	37	94	198	10
N8783801050	12,98	80	M10	50	19	62	41	12	37	94	204	10
N8783941250	18,44	94	M12	50	23	67	48	12	44	109	298	10

LEVER CLAMPS - FEMALE THREAD

WRK

ITEM: N8785

Lever clamp in technopolymer re-enforced with fiber glass black colour with matt finish, brass bush with threaded blind hole.



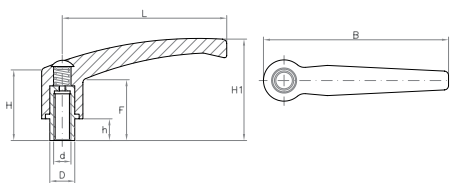
Tech. Code	GR76 Euro	L mm	d	H mm	A mm	B mm	H1 mm	F mm	D mm	h mm	E mm	Weight g	
N87854206	2,84	42	M6	29	19	50	32	17	12	3	9	11	10
N87856306	3,25	63	M6	39	25	73	43	21	15	4	13	23	10
N87856308	3,25	63	M8	39	25	73	43	21	15	4	13	24	10
N87858010	4,23	80	M10	48	30	92	54	27	19	6	16	44	10
N878510012	6,97	100	M12	58	36	115	66	30	25	8	18	83	10

METAL LEVER CLAMPS - FEMALE THREAD

WRK

ITEM: N8787

Lever clamp with zinc alloy lever painted orange, toothed threaded body in burnished steel, female thread.



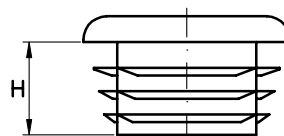
Tech. Code	GR76 Euro	L mm	d	E mm	D mm	H1 mm	H mm	h mm	F mm	B mm	Weight g	
N87874406	4,78	44	M6	8	9,5	36	23	5	21	52	34	10
N87876508	6,84	65	M8	11	11,5	47	33	10	28	75	70	10
N87878010	10,60	80	M10	18	19	62	41	12	37	94	167	10
N87878012	10,60	80	M12	18	19	62	41	12	37	94	161	10

HOLE COVER PLUGS SQUARE SHAPE IN BLACK POLYETHYLENE

WRK

ITEM: N8850

Hole cover plugs in black polyethylene with a thin layer, model for square tubes. Other dimensions supplied on request minimum package 100 pieces.



Tech. Code	GR76 Euro	External dimension of the tube mm	Thickness of the tube mm	H mm	
N88500201	12,98	20 x 20	1 - 3	11	100
N88500301	18,29	30 x 30	1 - 2,5	11,5	100
N88500401	48,28	40 x 40	1 - 3	14	100

Price for 100 pieces

HOLE COVER PLUGS - ROUND SHAPE IN BLACK POLYETHYLENE

WRK

ITEM: N8855

Hole cover plugs in black polyethylene with a thin layer, model for round tubes. Other dimensions supplied on request. Minimum package of 100 pieces.



Tech. Code	GR76 Euro	External diameter of the tube mm	Thickness of the tube mm	H mm	
N88550201	13,41	20	1 - 2	11,4	100
N88550221	14,98	22	1 - 2	11,5	100
N88550231	16,54	23	1 - 2,5	11,5	100
N88550251	17,08	25	1 - 3	11,5	100
N88550301	24,08	30	1 - 2	11,6	100

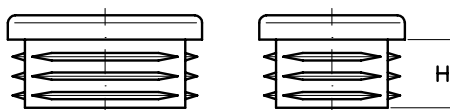
Price for 100 pieces

HOLE COVER PLUGS RECTANGULAR SHAPE IN BLACK POLYETHYLENE

WRK

ITEM: N8860

Hole cover plugs in black polyethylene with a thin layer, model for rectangular tubes. Other dimensions supplied on request. Minimum package of 100 pieces.



Tech. Code	GR76 Euro	External dimension of the tube mm	Thickness of the tube mm	H mm	
N88600400201	28,15	40 x 20	1 - 2	12	100
N88600400251	37,56	40 x 25	1 - 3	11,5	100
N886005002515	42,24	50 x 25	1,5 - 2,5	14,5	100

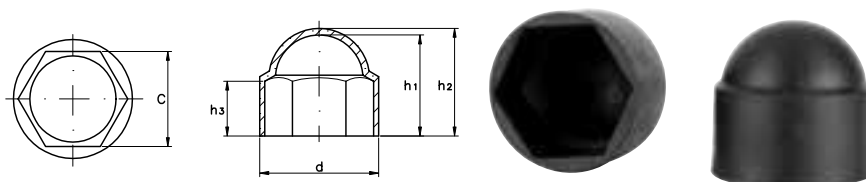
Price for 100 pieces

NUT COVERS IN BLACK POLYETHYLENE



ITEM: N8870

Nut covers with a hemispherical cap in black polyethylene. Other dimensions supplied on request. Package of 1000 pieces.



Tech. Code	GR76 Euro	Exagonal mm	For nut	C mm	d mm	h1 mm	h2 mm	h3 mm	
N887013	11,27	13	M8	12,8	16,8	14	15	9	100
N887017	14,67	17	M10	16,7	21,3	18,5	19,5	9	100

Price for 100 pieces

POLISHED IRON STRAPS

ITEM: N9100

Breaking load 70/75 Kg/mm², rounded edges, oiled surface, individually wrapped roll.

Tech. Code	GR76 Euro	Dimensions mm	Rolls in package	Package weight ab. kg
N91001332	126,40	13 x 0,5	2	32
N91001640	157,70	16 x 0,5	2	40
N91001944	173,40	19 x 0,6	2	44



HIGH-RESISTANCE BLUE IRON STRAPS

ITEM: N9115

Breaking load 80/85 Kg/mm², rounded edges, waxed surface.

Tech. Code	GR76 Euro	Dimensions mm	Roll weight ba. kg
N91151624	152,50	16 x 0,5	24
N91151927	141,70	19 x 0,6	27



METAL SECURITY SEALS

ITEM: N9131

Security seals in metal. Used with strapping tools N9200.

Tech. Code	GR76 Euro	Dimension mm	Strap mm	Box pcs
N913113	53,50	13 x 27	13	2000
N913116	58,25	16 x 27	16	2000
N913120	68,00	20 x 27	19/20	2000



SHEARS FOR METALLIC STRAPS

WODEX

ITEM: WX3960

Shears **PREMIUM QUALITY** in hot forged steel to cut the metallic straps.
Comfortable and resistant handles coated in PVC.

Tech. Code	GR51 Euro	L mm	Blade mm	Max capacity mm	Weight g
N9137250	28,50	250	32	25 x 0,6	410



ITEM: WX3965

Shears for metallic straps **SPREMIUM QUALITY** in hot forged steel to cut the metal straps.
Comfortable and resistant handles coated in PVC.

Tech. Code	GR51 Euro	L mm	Blade mm	Max capacity mm	Weight g
N9138270	24,20	270	30	25 x 0,6	425



SHEARS FOR CUTTING METAL STRAPS

ITEM: HIT JAPAN SS-450

Heavy Duty shears specially produced in special steel, allow cutting of any type of metal strap with minimum effort. Non-slip rubber handle.

Tech. Code	GR76 Euro	Length mm	Blade mm	Max capacity mm	Weight g
N953851	225,00	450	55	51 x 1,2	1400



ITEM: N9142

Tech. Code		N914212060	N914212080	N914215060	N914215080
GR76	Euro	95,00	104,90	106,60	99,90
Dimension	mm	12 x 0,60	12 x 0,80	15 x 0,60	15 x 0,80
Ø External	mm	560	560	560	560
Width	mm	160	160	160	160
Roll hole	mm	400	400	400	400
Breaking load	kg	151	230	218	299
Coil	m	2500	2000	2000	1500

Price displayed per reel.

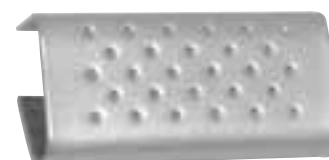


SEALS FOR PLASTIC STRAPS IN POLYPROPYLENE

ITEM: N9159

In tooled galvanized finish.

Tech. Code	GR76 Euro	Dimension mm	Strap mm	Box pcs
N915913	31,90	13 x 26	12	2000
N915916	41,60	16 x 26	15	2000



HEAT SEALABLE PLASTIC STRAPS IN POLYPROYLENE PET GREEN KNURLED

ITEM: N9180

Plastic straps with an high durability of strength and a percentage of elongation, recommended as a valid alternative to steel strapping unalterable in conditions of temperature changes and insensitive to ultraviolet rays. Used for manual tensioning devices, electric, battery, pneumatic and automatic strapping systems. 100% recyclable

- Specif weight: 1,38 g/cm³
- Breaking load point: 40 - 50 Kg/mm²
- Elongation: 10 - 15%
- Temperture process usage: da -20° a +120°C
- Tolerance on listed data +/- 5%

Tech. Code	GR76 Euro	Dimension mm	Ø External mm	Width mm	Roll hole mm	Breaking load kg	Coil m
N918012070	114,40	12 x 0,70	570	160	405	290	2200
N918015060	114,40	15 x 0,60	570	160	405	310	2000
N918015070	123,00	15 x 0,70	570	160	405	330	1750
N918015080	118,70	15 x 0,80	570	160	405	430	1500
N918016088	124,60	16 x 0,88	570	160	405	520	1220
N918019100	136,30	19 x 1,00	570	160	405	800	1000

Price displayed per reel.



COMPOSITE POLYESTER STRAPS

ITEM: N9285

Polyester straps, fiber twisted threads protected by a special resin coating, high tenacity. Thanks to the compact structure it easily slips under pallets and the inside of container hooks. It has a good resistance to being cut by sharp edges and does not need the use of protected corners. It retains its shape and tension even in extreme environment conditions, shock absorbent during transport, resistant to chemical agents, UV light, waterproof. It does not rust or rot with humidity. The temperature of use ranges from -40 to +100°C. It can perfectly adapt to the shape of the load without damaging or scratching the surfaces.

No danger to the operator when removing or fixing, you only need a pair of scissors. The straps are made of threaded polyester with steel wire hooks. Suitable for fixing loads in containers, on trucks and vans.

Accepted by all European State railways (BN 918 090).

Tech. Code		N928516	N928519	N928525	N928532
GR76	Euro	228,00	180,00	208,00	208,00
Dimension	mm	16	19	25	32
Ø External	mm	400	400	400	400
Width	mm	190	190	190	190
Roll hole	mm	200	200	200	200
Breaking load	kg	425	625	925	1500
CRNF	kg	690	1000	1480	2400
Coil	m	850	500	450	300
		2	2	2	2

CRNF = Breaking load of strap + hook

Price displayed per reel.



STRAPPING TEXTILES COATED WITH HOT MELT IN POLYESTER

ITEM: N9284

Thanks to their elongation characteristics the polyester strapping has a high capacity of resistance and shock absorption, suitable for the fixing of heavy loads like (timber, glass, marble, machinery, full loads on rails, trucks etc.) The polyester threads are held together by a special hot melt adhesive that increases the resistance to the abrasion but does not compromise the flexibility of handling. In case of loads of sharp edges, the use of protective corners is recommended.

Tech. Code		N928413	N928416	N928419
GR76	Euro	56,30	108,20	95,20
Dimension	mm	13	16	19
Ø External	mm	290	290	290
Width	mm	140	140	140
Roll hole	mm	76	76	76
Breaking load	kg	400	475	570
CRNF	kg	570	650	800
Coil	m	500	850	600
		2	2	2

CRNF = Breaking load of strap + hook

Price displayed per reel.



HOOKS MADE OF GALVANIZED STEEL FOR HOLDING STRAPPING TEXTILES AND COMPOSITES

ITEM: N9286

Hooks made of galvanized steel. Used for hot melt strapping textiles and polyester composite straps.

Tech. Code		N928613	N928616	N928619	N928625	N928632
GR76	Euro	71,40	91,40	110,30	146,00	141,70
Dimension	mm	13 x 3,3	16 x 3,5	19 x 4	25 x 6	32 x 7
Box	pcs	1000	1000	1000	400	250



BATTERY STRAPPING TOOL

ITEM: N9288

Battery strapping tool for plastic strapping and welding vibratory.
Used for strap embossed polyester or smooth polypropylene.

Closing resistance:

80% of the load of breakages (variations depending of the type of strapping)

Standard adaption:

1 battery

1 battery charger

Tech. Code	GR78 Euro	Battery	Straps PP-PET mm	Straps PET mm	Max tension N	Tension speed m/min	Dimension mm	Weight kg
N92881216	2180,30	14.8V-2 A/h LI-PO	12-16 x 0,5-1,05	12-16 x 0,5-1,05	2200	12	290 x 140 x 165	3,6
N92881619	(3020,60)	14.8V-3 A/h LI-PO	16 x 0,5-1,05	19 x 0,5-1,05	3500	12	315 x 140 x 183	3,8



BATTERY SEALING TOOL FOR PLASTIC STRAPPING

ITEM: N9289

Battery sealing tool for plastic straps with brushless motor for smooth and embossed plastic strap welding (PP-PET). Tensioning, welding and cutting are completely automatic. With the battery fully charged up to 400 strapping cycles can be performed depending on the type of strap used and the welding time.

Supplied with standard equipment:

1 battery

1 battery charger

Tech. Code	GR78 Euro	Battery	Straps PP-PET mm	Max tension N	Welding time Sec.	Dimension mm	Weight kg
N928916	2365,00	18V / 4Ah Lion	12 - 16 x 0,65 - 1,00	2500	0,3 - 2,7	330 x 150 x 130	3,4
N928919	2555,00	18V / 4Ah Lion	16 - 19 x 0,70 - 1,27	4000	0,3 - 2,7	330 x 150 x 130	3,5



STRAP STRETCHERS FOR METALLIC STRAPS WITHOUT SEALS

ITEM: N9210

Interlocking closing system and strap cutting, easy adjustment to the desired size, the resistance of the closure without seal is higher than the one with seal and greatly reduces the execution time.

Tech. Code	GR76 Euro	Strap mm	Strap thickness mm
N921013161920	(1162,00)	13-16-19-20	max. 0.6



STRAP STRETCHERS FOR PLASTIC STRAPS WITH SEAL

ITEM: N9220

Long lever for reduced closing effort.

Tech. Code	GR76 Euro	Strap mm
N92201215	183,10	13



STRAP STRETCHER FOR PLASTIC STRAPS WITH SEAL

ITEM: N9230

Long lever of pressed steel and with anatomic handles, reduced closing effort and excellent grip comfort.

Tech. Code	GR76 Euro	Strap mm
N923015	249,50	16



MANUAL POLYESTER STRAP TENSIONER

ITEM: N9295

Manual tensioners allow operators to bring polyester strap to desired tension.

Tech. Code	GR76 Euro	Strap mm
N9295T25	305,00	13 - 16 - 19 - 25



MANUAL POLYESTER STRAP TENSIONER

ITEM: N9296

Manual tensioners allow operators to bring polyester strap to desired tension.

Tech. Code	GR76 Euro	Strap mm
N9296T50	(881,00)	19 - 25 - 32 - 35 - 40 - 50



TROLLEY STRAP HOLDERS FOR METAL STRAPS

ITEM: N9256

Steel painted profile structure with strap holder. Tray for straps and seals.

Tech. Code	GR76 Euro	Width of straps mm
N92561332	200,30	13 - 32



TROLLEY STRAP HOLDERS FOR PLASTIC STRAPS

ITEM: N9270

Steel painted profile structure with strap holder and tray for straps and seals.

Tech. Code	GR76 Euro	Ø Coil size mm
N9270F400	228,20	400/406



STRAP HOLDERS FOR PLASTIC STRAPS

ITEM: N9280

Painted steel profile structure, suitable for coils with a 62 mm hole.

Tech. Code	GR76 Euro	Coil hole mm
N9280F62	68,00	62



ITEM: N9281

Steel painted profile structure.

Tech. Code	GR76 Euro	Ø Coil size mm
N9281F060	139,20	60/62



TROLLEY STRAP HOLDERS FOR PLASTIC STRAPS

ITEM: N9290

Trolleys with very strong frames, hardwearing-extra sturdy, large diameter wheels for easy pulling also on gravelled or icy grounds. Brake, clutch for handy-use of the rewinding coil system.

Tech. Code	GR76 Euro	Ø coil size mm
N929000	354,00	200



POLYESTER STRAP SHEARS

ITEM: N9291

Dual-blade, ergonomically designed, safety strap shears, 2 blades (smooth and serrated), ultra precise, fray free cuts. Comfortable, secure fit for your hand also with gloves.

Advanced fulcrum for greater cutting force.

Tech. Code	GR76 Euro	Blades
N929100	19,00	1 smooth + 1 serrated



TRANSPARENT STRETCH FILMS

ITEM: N9300

Four-reel pack each equipped with a plastic distributor and a rubber holding handle. High elastic properties and puncture resistance, suitable for assembling profiles, panels, cornices and limited surfaces in general, non-toxic and recyclable.

Tech. Code	GR76 Euro	Thickness Microns	Reel height mm	Length m
N9300100/4	50,00	23	100	200



TRANSPARENT STRETCH FILMS

ITEM: N9310

Thirty-reel pack with one plastic distributor and a rubber holding handle.

Tech. Code	GR76 Euro	Thickness Microns	Reel height mm	Length m
N9310100/30	147,00	23	100	200



ITEM: N9320

High elastic properties and puncture resistance, suitable for a broad range of packaging needs.

Tech. Code	GR76 Euro	Thickness Microns	Reel height mm	Reel hole mm	Reel weight kg	Package
N9320500/6	79,00	23	500	50	2.5	6 Reels



TRANSPARENT STRETCH FILMS

ITEM: N9370

Single reel.

Tech. Code	GR76 Euro	Thickness Microns	Reel height mm	Reel hole mm	Reel weight kg
N937023500	36,00	23	500	75	5
N937030500	36,00	30	500	75	5
N937035500	36,00	35	500	75	5



HANDLES FOR STRETCH FILMS

ITEM: N9340

For reels with a 50 mm hole.

Tech. Code	GR76 Euro	Coil hole mm
N9340MAN	11,00	50



COLOURED STRETCH FILMS

ITEM: N9350

High elastic properties and puncture resistance, suitable for a broad range of packaging needs.

Tech. Code	GR76 Euro	Colour	Thickness Microns	Reel height mm	Reel hole mm	Reel weight kg	Package
N9350BIANCO	159,00	White	30	500	75	4	4 Reels
N9350NERO	159,00	Black	30	500	75	4	4 Reels



DISTRIBUTORS FOR STRETCH FILM COILS

ITEM: N9360

Made of steel for professional use, equipped with an adjustable clutch that provides constant film tension, suitable for reels of 500 mm height and with 38 - 50 - 75 mm hole.

Tech. Code	GR76 Euro	Coil height mm	Coil hole mm
N9360DIST	96,00	500	38 - 50 - 75



BOX SEALING TAPES

ITEM: N9400

Silent polypropylene suitable for all packing and packaging needs.

Tech. Code	GR76 Euro	Colour	Height mm	Length m
N9400AV	2,28	Tobacco	50	66
N9400TRASP	2,28	Transparent	50	66
N9400BIANCO	2,28	White	50	66



Tech. Code	GR76 Euro	Colour	Height mm	Length m
N9400132AV	4,41	Tobacco	50	132
N9400132TRASP	4,41	Transparent	50	132
N9400132BIANCO	4,41	White	50	132

ADHESIVE MASKING TAPES

ITEM: N9410

Paper, suitable for covering and marking out areas for painting operations.

Tech. Code	GR76 Euro	Height mm	Length m
N941019	2,77	19	50
N941025	3,78	25	50
N941030	4,53	30	50
N941038	5,56	38	50
N941050	6,55	50	50



ADHESIVE INSULATING TAPES

3M

ITEM: N9420

Adhesive Insulating tape for general use in PVC self-extinguishing. It's reliability allows to solve problems of electrical isolation and protection in general.

Features:

- Stretching at breaking point: 170%
- Isolation resistance: Ω/cm 1011 > 106 M Ω
- Electric rigidity: 40 KV/mm
- Operating temperature: 0 / +90°C

Tech. Code	GR76 Euro	Colour	Width mm	Thickness mm	Length m	
N942015N	2,80	Black	15	0,15	25	100
N942019N	3,70	Black	19	0,15	25	10

Conformity with the standard regulations CEI 15-15/VI1980 VDE-340



INSULATING ADHESIVE TAPES

ELEMATIC

ITEM: N9422

Insulating adhesive tapes in PVC self-extinguishing with a high degree of electrical isolation (600 V) and mechanical protection for any applications in civil and industrial plants.

Features:

- Stretching at breaking point: 200%
- Electric rigidity: 40 kV/mm
- Operating temperature: -18 / +90°C

Tech. Code	GR76 Euro	Colour	Width mm	Thickness mm	Length m	
N942215N	0,90	Black	15	0,13	10	10
N942219B	2,40	White	19	0,13	25	10
N942219N	2,50	Black	19	0,13	25	10
N942219R	2,40	Red	19	0,13	25	10
N942225N	3,20	Black	25	0,13	25	8
N942225B	3,70	White	25	0,15	25	8

Conformity with the standard regulations CEI EN 60454-3-1 e BS 3924 VDE nr. 40039640



ADHESIVE FABRIC-REINFORCED TAPES

ITEM: N9430

Reinforced, high adherence, waterproof, suitable for packing, repairing, joining and protecting a wide range of materials. Silver.

Tech. Code	GR76 Euro	Height mm	Length m
N943050/25	4,53	50	25



ADHESIVE FABRIC-REINFORCED TAPES

LOCTITE

ITEM: 5080

Triple-layer highly tear resistant and waterproof up to four atmospheres, temperature resistant from -10°C to +70°C, suitable for high-sealing emergency repair. Silver.

Tech. Code	GR76 Euro	Height mm	Length m
N944050/50	21,40	50	50



TAPE STRETCHERS

ITEM: N9450

Plastic body, adjustable clutch, suitable for tapes with a height of up to 50 mm.

Tech. Code	GR76 Euro	Belt height mm
N9450S50	14,65	50



PROTECTIVE TUBULAR NETS SHOCK-PROOF

ITEM: N9501

The polyethylene tubular net is specific for the protection of products in metal, wood, glass, particularly paint or rectified. It is very versatile and perfectly adaptable to any types of profile. Resistant to acids and solvents.

Tech. Code	GR76 Euro	Using range mm	Colour	Thickness	Roll m
N9501007	125,00	7 - 15	Orange	Standard	500
N9501010	125,00	10 - 30	Purple	Standard	500
N9501020	125,00	20 - 50	Neutral	Standard	500
N9501020SM	207,00	20 - 50	Blue	Over dimension	500
N9501040	180,00	40 - 60	Yellow	Standard	300

Tech. Code	GR76 Euro	Using range mm	Colour	Thickness	Roll m
N9501050	177,00	50 - 80	Brown	Standard	250
N9501070	206,00	70 - 100	Red	Standard	250
N9501090	206,00	90 - 160	Blue	Standard	250
N9501090SM	159,00	90 - 160	Orange	Over dimension	100
N9501100	215,00	100 - 200	Green	Standard	250



POLYTHENE BUBBLE WRAP ROLLS

ITEM: N9520

Bubble wrap with a high shock absorbing quality, resistant to impacts and tearing, suitable for wrapping and protecting objects of any shape and size, odourless, chemically neutral and 100% recyclable.

Tech. Code	GR76 Euro	Roll height m	Roll length m	Weight per m ² g	Roll kg
N95201000	235,00	1,0	200	115	23
N95201250	308,00	1,25	200	115	28,75
N95201500	358,00	1,5	200	115	34,5



CARDBOARD SHIPPING BOXES

ITEM: N9560

Double wave.

* compatible in size with the chipboard pallet

Tech. Code	GR76 Euro	Dimensions mm
N9560230	1,58	230 x 155 x 145
N9560280	2,90	280 x 180 x 200
N9560330	2,96	330 x 245 x 220
N9560425	3,22	425 x 230 x 185
N9560600	12,38	600 x 400 x 350*
N9560800	21,46	800 x 600 x 440*



WOODEN CHIPBOARD PALLETS

ITEM: N9575

Tech. Code	GR76 Euro	Dimensions mm
N9575600	13,65	600 x 400
N9575800	18,75	800 x 600





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