

THREAD TAPPING MACHINES



GS 18 - Electric tapping machine with reversible gearbox for time-saving, precise cutting of threads in drill holes.

- ▶ Reversible gearbox enables very short processing times: Pressure on the spindle starts the tool to turn slowly clockwise. When retracting, fast reverse is automatically activated at 680 rpm
- ▶ Simple thread cutting in just one operation thanks to high torque, low speed and high concentricity
- ▶ Additional handle enables optimum and convenient tool guidance
- ▶ Compensation of angular offset of the cutting tool in the bore by means of a joint coupling between the chuck holder and the threaded chuck
- ▶ Thread tapping in blind holes with standard depth stop

- › Universal holder with slip clutch for longer workpiece service life
- › Compensation of angular offset of the tool through articulated coupling



Tap not included in scope of supply

Transport case

Scope of delivery:

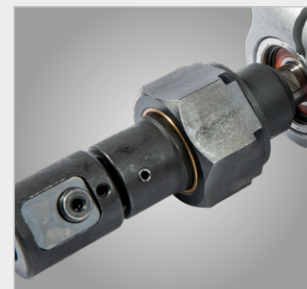
- › Universal holder M6 -M18 with slip clutch
- › Additional handle
- › Hexagon spanner 4mm
- › Depth stop
- › Transport case

Model	GS 18
Art. no.	3860018

Technical data	
Thread tapping	
Tap	M6 – M18
Steel (S235JR) Short-term operation	M18
Steel (S235JR) Continuous operation	M14
Aluminium short-time operation	M18
Aluminium continuous operation	M16
Rotational speeds	
Idle forwards (clockwise rotation)	280 min ⁻¹
Idle reverse (anti-clockwise rotation)	680 min ⁻¹
Under load (clockwise rotation)	170 min ⁻¹
Under load (anti-clockwise rotation)	410 min ⁻¹
Motor power ~50 Hz	450 W / 230 V
Connection cable length	3 m
Dimensions (L x W x H) approx.	400 x 325 x 240 mm
Explanation of dimensions	Additional handle in 90° position to the device handle
Weight approx.	3 kg



Reversing gear for short processing times: Pressure on the spindle starts slow clockwise rotation



Pulling back the spindle automatically starts the fast reverse



Depth stop and universal holder for standard taps from M6 to M18 included in the scope of delivery



Compensation of angular offset of the cutting tool in the bore by means of a joint coupling between the chuck holder and the threaded chuck



Thread tapping machines

GS – Pneumatic and motorised tapping machines

- ▶ Damping of the drill head weight by gas springs
- ▶ Quick-change insert with slip clutch for safe thread cutting without risk of breakage
- ▶ Right/left rotation selectable at the machine head

GS 1000-12 P

- ▶ Pressure gauge and working pressure regulator easily accessible on the swivel arm
- ▶ Drill head swivelling 0° - 90°

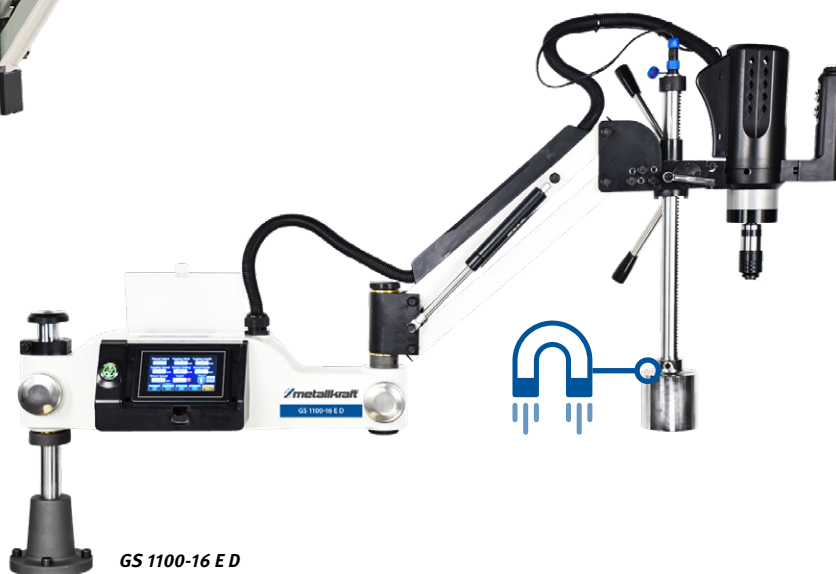
GS 1100-16 E D

- ▶ Adjustment of thread size, speed, pitch and cutting depth via touchscreen on the swivel arm
- ▶ Manual mode: After reaching the set cutting depth, the spindle stops automatically, forward and reverse must be activated manually

- ▶ Automatic mode: Once the set cutting depth has been reached, the machine automatically switches from forward to reverse mode - ideal for tapping multiple blind holes
- ▶ Magnetic stand for fixing the machine head guarantees precise up and down movement
- ▶ Suitable for drilling due to the higher speed
- ▶ Drill head precisely height-adjustable via star grip and tothing on the magnetic stand



GS 1000-12 P



GS 1100-16 E D

Scope of delivery:

GS 1000-12 P SET

- > 6x Tapping chuck GT12 (M3, M4, M5-6, M8, M10, M12)

GS 1100-16 E D

- > 6x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12)



Model		GS 1000-12 P	GS 1100-16 E
Art. no.		4450012	4450416
Drive		pneumatic	electric
Threaded holes at 400 N/mm ²		M3 – M12	M3 – M12
Max. speed	min ⁻¹	400	1000
Boom radius	mm	1000	1100
Angle adjustment	°	0 – 90	-
Pneumatic connection Operating pressure	bar	6 – 8	-
Drive motor power ~50 Hz	kW/ V	-	0.6 / 230
Dimensions (L x W x H) approx.	mm	930 x 90 x 520	930 x 60 x 520
Weight approx.	kg	17	27



Mobile machine base

- > Possibility of fastening the tapping machine on the left and right side
- > Incl. wheels with brakes for mobile use
- > Cast iron plate with 3 T-slots (16 mm)
- > Equipped with one door incl. handle and 5 drawers with ball bearings

Accessories	Art. no.
Base unit 900 x 600 x 875 mm	3082000

GS E - Fast and precise thread tapping with freely positionable swivel arm

- ▶ Damping of the drill head weight by gas springs
- ▶ Quick-change insert with slip clutch for safe thread cutting without risk of breakage
- ▶ Right/left rotation selectable at the machine head
- ▶ Adjustment of thread size, speed, pitch and cutting depth via touchscreen on the swivel arm
- ▶ Manual mode: After reaching the set cutting depth, the spindle stops automatically, forward and reverse must be activated manually
- ▶ Automatic mode: Once the set cutting depth has been reached, the machine automatically switches from forward to reverse mode - ideal for tapping multiple blind holes



GS 1100-16 E

GS 1200-36 E

Scope of delivery:

GS 1100-16 E SET

- › 8x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12, M14, M16)

GS 1200-24 E

- › 9 x tapping chuck GT24 (M6, M8, M10, M12, M14, M16, M18, M20, M22-24)

GS 1200-36 E

- › 13 x GT24 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24, M27, M30, M33, M36)



Model		GS 1100-16 E	GS 1200-24 E	GS 1200-36 E
Art. no.		4450116	4450124	4450136
Drive		electric	electric	electric
Threaded holes at 400 N/mm ²		M3 – M16	M6 – M24	M6 – M36
Max. speed	min ⁻¹	312	200	156
Boom radius	mm	1100	1200	1200
Angle adjustment	°	0 – 90	0 – 90	0 – 90
Drive motor power	kW/ V	0.6 / 230	1.2 / 230	1.2 / 230
Dimensions (L x W x H) approx.	mm	930 x 90 x 520	1400 x 100 x 700	1400 x 100 x 700
Weight approx.	kg	17	40	42

Mobile machine base

- › Possibility of fastening the tapping machine on the left and right side
- › Incl. wheels with brakes for mobile use
- › Cast iron plate with 3 T-slots (16 mm)
- › Equipped with one door incl. handle and 5 drawers with ball bearings



Accessories	Art. no.
Base unit 900 x 600 x 875 mm	3082000

Thread tapping machines

GS E BL — Electric tapping machines with integrated lubricant reservoir

- ▶ Programmable blow-out and lubrication function (requires external compressed air source with 6 - 8 bar operating pressure)
- ▶ Integrated lubricant reservoir with 0.6 litre volume, or 1 litre volume (for GS 1500-16 E BL)
- ▶ Drill head swivelling 0° - 90°
- ▶ Damping of the drill head weight by gas springs
- ▶ Quick-change insert with slip clutch for safe thread cutting without risk of breakage
- ▶ Right/left rotation selectable at the machine head
- ▶ Adjustment of thread size, speed, pitch and cutting depth via touchscreen on the swivel arm
- ▶ Manual mode: After reaching the set cutting depth, the spindle stops automatically, forward and reverse must be activated manually
- ▶ Substructure with clamping table and trolley available as accessories
- ▶ Automatic mode: Once the set cutting depth has been reached, the machine automatically switches from forward to reverse mode - ideal for tapping multiple blind holes
- ▶ Patented design

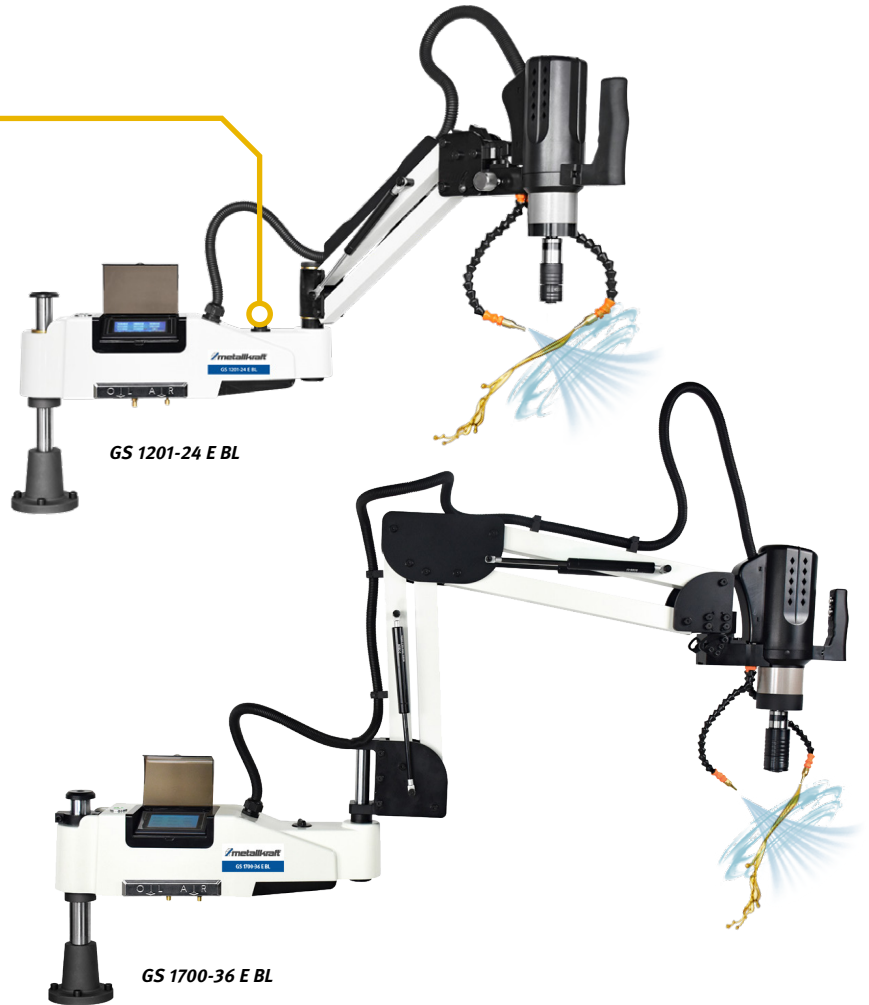
GS 1500-16 E BL/ GS 1700-24 E BL/ GS 1700-36

E BL

- ▶ Extra large boom radius



with integrated lubricant container



GS 1201-24 E BL

GS 1700-36 E BL

Scope of delivery:

GS 1101-16 E BL

- › 8x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12, M14, M16)

GS 1201-24 E BL

- › 9 x GT24 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24)

GS 1201-36 E BL

- › 13 x GT24 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24, M27, M30, M33, M36)

GS 1500-16 E BL

- › 8x GT12 tapping chuck (M3, M4, M5-6, M8, M10, M12, M14, M16)

GS 1700-24 E BL

- › 9x GT12 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-24)

GS 1700-36 E BL

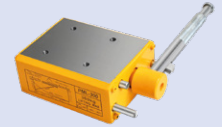
- › 14x GT12 tapping chuck (M6, M8, M10, M12, M14, M16, M18, M20, M22-M20, M22-24, M27, M30, M33, M36)

Accessories	Art. no.
Base unit 900 x 600 x 875 mm	3082000

Model		GS 1101-16 E BL	GS 1201-24 E BL	GS 1201-36 E BL	GS 1500-16 E BL	GS 1700-24 E BL	GS 1700-36 E BL
Art. no.		4450217	4450225	4450237	4450316	4450324	4450336
Threaded holes at 400 N/mm ²		M3 – M16	M6 – M24	M6 – M36	M3 – M16	M6 – M24	M6 – M36
Max. speed	min ⁻¹	312	250	156	312	200	156
Boom radius	mm	1100	1200	1200	1500	1700	1700
Angle adjustment	°	0 – 90	0 – 90	0 – 90	0 – 90	0 – 90	0 – 90
Pneumatic connection operating pressure	bar	1.2	1.2	1.2	1.2	1.2	1.2
Drive motor power	kW/ V	0.6 / 220	1.2 / 230	1.2 / 230	0.6 / 230	1.2 / 230	1.2 / 230
Dimensions (L x W x H) approx.	mm	930 x 60 x 520	1400 x 100 x 700	1400 x 100 x 700	1600 x 100 x 800	1800 x 140 x 1000	1800 x 140 x 1000
Weight approx.	kg	25	40	42	30	55	55

Accessories for tapping machines

Article	Art. no.	1000-12 P 4450012	1100-16 E 4450116	1100-16 E D 4450416	1101-16 E BL 4450217	1500-16 E BL 4450316	1700-24 E BL 4450324	1700-36 E BL 4450336	1200-24 E 4450124	1200-36 E 4450136	1201-24 E BL 4450225	1201-36 E BL 4450237
Magnetic base												
MF-GS1	4460010	●	●	●	●	●	-	-	-	-	-	-
MF-GS2	4460011	-	-	-	-	-	●	●	●	●	●	●
Holder for tapping chuck												
for all GS -12 and GS -16	4460081	●	●	●	●	●	-	-	-	-	-	-
for all GS -24 and GS -36	4460082	-	-	-	-	-	●	●	●	●	●	●
GT12 tapping chuck												
M3	4460050	●	●	●	●	●	-	-	-	-	-	-
M4	4460051	●	●	●	●	●	-	-	-	-	-	-
M5 – 6	4460052	●	●	●	●	●	-	-	-	-	-	-
M8	4460053	●	●	●	●	●	-	-	-	-	-	-
M10	4460054	●	●	●	●	●	-	-	-	-	-	-
M12	4460055	●	●	●	●	●	-	-	-	-	-	-
M14	4460056	●	●	-	●	●	-	-	-	-	-	-
M16	4460057	●	●	-	●	●	-	-	-	-	-	-
GT24 tapping chuck												
M6	4460060	-	-	-	-	-	●	●	●	●	●	●
M8	4460061	-	-	-	-	-	●	●	●	●	●	●
M10	4460062	-	-	-	-	-	●	●	●	●	●	●
M12	4460063	-	-	-	-	-	●	●	●	●	●	●
M14	4460064	-	-	-	-	-	●	●	●	●	●	●
M16	4460065	-	-	-	-	-	●	●	●	●	●	●
M18	4460066	-	-	-	-	-	●	●	●	●	●	●
M20	4460067	-	-	-	-	-	●	●	●	●	●	●
M22 – 24	4460068	-	-	-	-	-	●	●	●	●	●	●
M27	4460069	-	-	-	-	-	●	●	●	●	●	●
M30	4460070	-	-	-	-	-	●	●	●	●	●	●
M33	4460071	-	-	-	-	-	●	●	●	●	●	●
M36	4460072	-	-	-	-	-	●	●	●	●	●	●
Drill chuck adapter												
GT12-B16	4460085	-	●	●	●	●	●	-	●	●	●	-
GT24-B18	4460086	-	●	●	●	●	●	-	●	●	●	-
Adapter												
GT24-GT12	4460080	-	-	-	-	-	●	●	●	●	●	●
Die holder												
GT24-M10	4460087	-	●	●	●	●	●	●	●	●	●	●
New GT12 M3-6	4460088	●	-	-	-	-	-	-	-	-	-	-
New GT12 M8	4460089	●	-	-	-	-	-	-	-	-	-	-
New GT12 M10	4460090	●	-	-	-	-	-	-	-	-	-	-
New GT12 M12-16	4460091	●	-	-	-	-	-	-	-	-	-	-
New GT24 M3-6	4460092	●	-	-	-	-	-	-	-	-	-	-
New GT24 M8	4460093	●	-	-	-	-	-	-	-	-	-	-
New GT24 M12-16	4460094	●	-	-	-	-	-	-	-	-	-	-
New GT24 M18-20	4460095	●	-	-	-	-	-	-	-	-	-	-
New GT24 M22-24	4460096	●	-	-	-	-	-	-	-	-	-	-
New GT24 M27-36	4460097	●	-	-	-	-	-	-	-	-	-	-
GT12 M18-20	4460098	●	-	-	-	-	-	-	-	-	-	-
Precision quick-action drill chuck												
1-16 mm, B18	3050630	-	-	●	●	-	-	-	●	●	●	●
Cutting oil												
New Cutting oil spray 400ml	3872100	●	●	●	●	●	●	●	●	●	●	●



Magnetic base



Holder for
Thread tapping chuck



Tapping chuck



Drill chuck
adapter



Adapter



Die holder



Precision
quick-action drill chuck