

Handheld Screwdriver pneumatic



MICROMAT Screwdrivers

The basic solution for almost all screwdriving tasks

straight design - torque from 0.02 to 0.7 Nm (3 to 97 in.oz)

- robust
- completely accurate
- ergonomic, long life, quiet

The particular strength of the MICROMAT screwdriver - scarcely larger than a pen - is that it can carry out screw assemblies with torque ranges from 2 Ncm to 70 Ncm.

The slim MICROMAT screwdriver is extremely durable. This is ensured by its specific design for heavy industrial use and its extraordinary processing quality. The ergonomic design of the handle guarantees ease of use during continuous operation.

Torque accuracies of < 3% standard deviation and thus Cmk values of ≥ 1.67 with a tolerance of $\pm 15\%$ can be reached * with MICROMAT handheld screwdrivers. Statistically speaking, the error rate is less than 0.6 per one million screw assemblies.


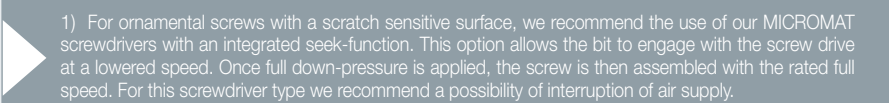

*) under suitable process conditions



Technical data		Motor Size 0				Motor Size 0 with seek-function 1)
Screwdriver right-rotation, right shut-off Push-To-Start	Type Part no.	345-308-HM 400108A	345-408-HM 400108B	345-708-HM 400108C	345-508-HM 400108D	345-508-2-HM 400111A
Screwdriver In combination with feeder	Type Part no.	345Z-308-HM 400109A	345Z-408-HM 400109B	345Z-708-HM 400109C	345Z-508-HM 400109D	- -
Screws	up to	M3	M3	M3	M3	M3
Torque	min.	Ncm/in.oz	2/2.84	2/2.84	2/2.84	2/2.84
	soft pull-up	max.	Ncm/in.oz	50/71	55/78.1	70/99.4
	hard pull-up	max.	Ncm/in.oz	60/85.2	55/78.1	70/99.4
Speed, idling		rpm	1600	1100	600	350
Air consumption		m ³ /min/cfm	0.1/3.5	0.1/3.5	0.1/3.5	0.1/3.5
Main body dia.		mm/in.	17 ¹¹ / ₁₆	17 ¹¹ / ₁₆	17 ¹¹ / ₁₆	17 ¹¹ / ₁₆
Length / length version "Z"		mm/in.	152/6 / 123/4 ²⁷ / ₃₂		158/6 ⁷ / ₃₂ / 130/5 ¹ / ₈	
Weight		kg/lbs	0.15/0.33	0.15/0.33	0.16/0.35	0.16/0.35
Noise level		dB(A)	65	65	65	65
Air hose dia.		mm/in.	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈
Hose dia. for screw suction		mm/in.	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈
Bit drive with quick change chuck			4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon
Bits			4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon
Screwdriver reversible, right shut-off Push-To-Start	Type Part no.	345-308U-HM 400110A	345-408U-HM 400110B	345-708U-HM 400110C	345-508U-HM 400110D	345-508U2-HM 400112A
Screws	up to	M3	M3	M3	M3	M3
Torque	min.	Ncm/in.oz	2/2.84	2/2.84	2/2.84	2/2.84
	soft pull-up	max.	Ncm/in.oz	40/56.8	50/71	70/99.4
	hard pull-up	max.	Ncm/in.oz	50/71	50/71	70/99.4
Speed, idling		rpm	1300	950	480	300
Air consumption		m ³ /min/cfm	0.1/3.5	0.1/3.5	0.1/3.5	0.1/3.5
Main body dia.		mm/in.	17 ¹¹ / ₁₆	17 ¹¹ / ₁₆	17 ¹¹ / ₁₆	17 ¹¹ / ₁₆
Length		mm/in.	167/6 ⁹ / ₁₆	167/6 ⁹ / ₁₆	173/6 ¹³ / ₁₆	173/6 ¹³ / ₁₆
Weight		kg/lbs	0.17/0.38	0.17/0.38	0.18/0.40	0.18/0.40
Noise level		dB(A)	65	65	65	65
Air hose dia.		mm/in.	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈
Hose dia. for screw suction		mm/in.	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈	3 ¹ / ₈
Bit drive with quick change chuck			4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon
Bits			4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon	4 mm Halfmoon
Included in delivery:	Hose coupling with nozzle, nipple (mounted) · Torque adjustment tool · Assortment of clutch springs					
Optional equipment						
Exhaust hose (1m/3.28ft.)	Part no.					806113
Spring sleeve cpl. (in connection with finder, see catalog: inserting tools D3320E)	Part no.					4032802A *)
Foam rubber grip	Part no.					833058 *)

Performance data relate to an air pressure of 6.3 bar (90 PSI)

*) not suitable for screwdriver in combination with feeder

 <p>Please also find tool inserts in our catalog D3320E.</p>	 <p>1) For ornamental screws with a scratch sensitive surface, we recommend the use of our MICROMAT screwdrivers with an integrated seek-function. This option allows the bit to engage with the screw drive at a lowered speed. Once full down-pressure is applied, the screw is then assembled with the rated full speed. For this screwdriver type we recommend a possibility of interruption of air supply.</p>	 <p>Details on our feeding systems can be found in catalog D3820E.</p>
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