



Screwdriving technology

Automation

Air motors

Air tools

# DEPRAG

**MINIMAT**

## MINIMAT-Screwdrivers pistol-grip

from 0.3 - 20 Nm (3 to 177 in.lbs)

- **accurate**
- **ergonomic**
- **long life expectancy**
- **low noise level**

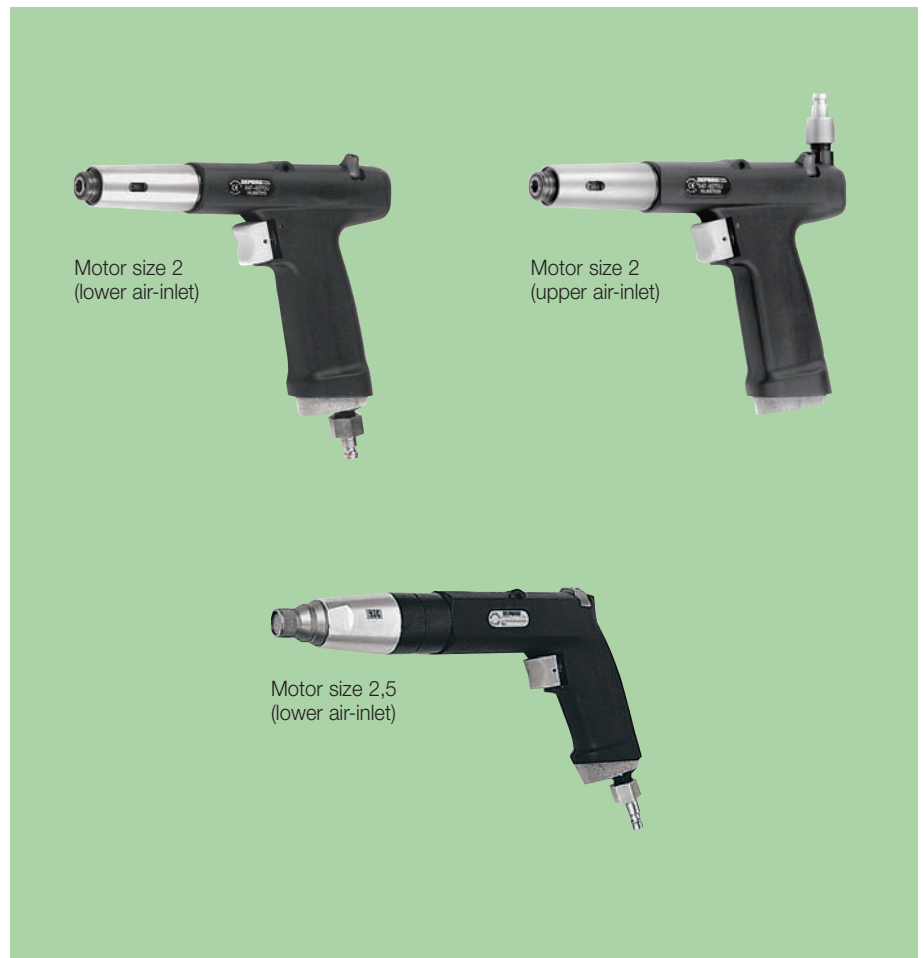
The pistol-grip screwdrivers are preferably used for horizontal screw assemblies.

The models with the prefix 347-..., are now available with an expanded torque range from 0.3 - 5 Nm (3 - 44 in.lbs). Those new pistolgrip drivers are smaller in size with a reduced weight. They incorporate advanced ergonomics and allow the possibility to choose between an air-inlet option from either below or from the top.

All design models incorporate the well-known characteristics of the MINIMAT-series, where the accuracy of the screwdriver is higher than any subsequent control method.

The preset torque remains constant, independent of hard- or soft pull-up joints and air pressure fluctuations.

The screwdriver is actuated by trigger. If needed, Exhaust Hoses can be connected to the screwdriver; this will direct exhaust air away from the assembly area. For size 3 pistol-grip drivers, we offer additional side-handles, which are a useful addition for higher torque values.



## Technical Data

Screwdriver style			Motor size 2			
reversible, trigger-start lower air-inlet	<b>type</b> order no.		<b>347-227 U</b> 394569 A	<b>347-327 U</b> 394569 B	<b>347-427 U</b> 394569 D	<b>347-527 U</b> 394569 C
reversible, trigger-start upper air-inlet	<b>type</b> order no.		<b>347-227 OU</b> 394570 A	<b>347-327 OU</b> 394570 B	<b>347-427 OU</b> 394570 D	<b>347-527 OU</b> 394570 C
reversible, push-to-start lower air-inlet	<b>type</b> order no.		<b>347-229 U</b> 394573 A	<b>347-329 U</b> 394573 B	<b>347-429 U</b> 394573 D	<b>347-529 U</b> 394573 C
reversible, push-to-start upper air-inlet	<b>type</b> order no.		<b>347-229 OU</b> 394574 A	<b>347-329 OU</b> 394574 B	<b>347-429 OU</b> 394574 D	<b>347-529 OU</b> 394574 C
screws	up to		M3	M4	M4	M5
torque min.	Nm / in.lbs		0.5 / 5	0.4 / 4	0.4 / 4	0.3 / 3
torque (soft pull-up) max.	Nm / in.lbs		1.3 / 11	3 / 26	3.5 / 31	5 / 44
torque (hard pull-up) max.	Nm / in.lbs		1.5 / 13	3.2 / 28	4 / 35	5 / 44
speed, idling	rpm		3000	1100	750	500
air consumption	m <sup>3</sup> /min / cfm		0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11
distance from spindle centre to side	mm / in.		14,5 / <sup>9</sup> / <sub>16</sub>	14,5 / <sup>9</sup> / <sub>16</sub>	14,5 / <sup>9</sup> / <sub>16</sub>	14,5 / <sup>9</sup> / <sub>16</sub>
length	mm / in.		208 / 8 <sup>3</sup> / <sub>16</sub>	208 / 8 <sup>3</sup> / <sub>16</sub>	208 / 8 <sup>3</sup> / <sub>16</sub>	208 / 8 <sup>3</sup> / <sub>16</sub>
weight	kg / lbs		0.75 / 1.6	0.75 / 1.6	0.75 / 1.6	0.75 / 1.6
noise level	dB(A)		69	69	69	69

Screwdriver style			Motor size 2.5			
reversible, trigger-start lower air-inlet	<b>type</b> order no.		<b>346-7257 U</b> 412799 A	<b>346-3257 U</b> 412799 B	<b>346-4257 U</b> 412799 C	
reversible, push-to-start lower air-inlet	<b>type</b> order no.		<b>345-7259 U</b> 390854 A	<b>345-3259 U</b> 390854 B	<b>345-4259 U</b> 390854 C	
screws	up to		M5	M6	M6	
torque min.	Nm / in.lbs		1 / 9	1 / 9	1 / 9	
torque (soft pull-up) max.	Nm / in.lbs		5 / 44	10 / 88	12 / 106.2	
torque (hard pull-up) max.	Nm / in.lbs		6 / 53	10 / 88	12 / 106.2	
speed, idling	rpm		1025	525	270	
air consumption	m <sup>3</sup> /min / cfm		0.35 / 12	0.35 / 12	0.35 / 12	
distance from spindle centre to side	mm / in.		20 / <sup>25</sup> / <sub>32</sub>	20 / <sup>25</sup> / <sub>32</sub>	20 / <sup>25</sup> / <sub>32</sub>	
length	mm / in.		240 / 9 <sup>7</sup> / <sub>16</sub>	240 / 9 <sup>7</sup> / <sub>16</sub>	240 / 9 <sup>7</sup> / <sub>16</sub>	
weight	kg / lbs		1.2 / 2.6	1.2 / 2.6	1.2 / 2.6	
noise level	dB(A)		72	72	72	

Screwdriver style			Motor size 3			
reversible, trigger-start upper air-inlet, lower air-inlet or rear air-inlet	<b>type</b> order no.		<b>346-237 U</b> 400373 B	<b>346-737 U</b> 400373 C	<b>346-337 U</b> 400373 D	<b>346-437 U</b> 400373 E
reversible, push-to-start upper air-inlet, lower air-inlet or rear air-inlet	<b>type</b> order no.		<b>346-239 U</b> 411447 B	<b>346-739 U</b> 411447 C	<b>346-339 U</b> 411447 D	<b>346-439 U</b> 411447 E
screws	up to		M5	M6	M6	M8
torque min.	Nm / in.lbs		2 / 17.7	2 / 17.7	2 / 17.7	2 / 17.7
torque (soft pull-up) max.	Nm / in.lbs		4.5 / 39.8	7 / 62	12 / 106.2	20 / 177
torque (hard pull-up) max.	Nm / in.lbs		5.5 / 48.7	8 / 70.8	12 / 106.2	20 / 177
speed, idling	rpm		2300	1200	650	320
air consumption	m <sup>3</sup> /min / cfm		0.4 / 14	0.4 / 14	0.4 / 14	0.4 / 14
distance from spindle centre to side	mm / in.		21 / 0.8	21 / 0.8	21 / 0.8	21 / 0.8
length	mm / in.		280 / 10.9	280 / 10.9	280 / 10.9	280 / 10.9
weight	kg / lbs		1.6 / 3.5	1.7 / 3.75	1.7 / 3.75	1.7 / 3.75
noise level	dB(A)		72	72	72	72

Performance data relate to an air pressure of 6.3 bar (90 PSI), Air hose dia. 6 mm<sup>3</sup>/<sub>4</sub>", Internal hex. drive DIN 3126 – F6.3 (<sup>1</sup>/<sub>4</sub>" ), integrated quick change chuck

Suitable tool inserts and connecting components with a drive as per DIN 3126 E6.3 (<sup>1</sup>/<sub>4</sub>" ), see also in our brochure D 3320 E – Inserting tools.

**Standard equipment:** Hose coupling with nozzle and nipple · Set of torque adjustment tools · Set of clutch springs

## Technical Data

Screwdriver style		Motor size 4	
reversible, trigger-start upper air-inlet, lower air-inlet or rear air-inlet	<b>type</b> order no	<b>344-347 U</b> 400320 D	<b>344-447 U</b> 400320 E
reversible, push-to-start upper air-inlet, lower air-inlet or rear air-inlet	<b>type</b> order no.	<b>344-349 U</b> 411448 D	<b>344-449 U</b> 411448 E
screws	up to	M5	M6
torque min.	Nm / in.lbs	3.5 / 31	3.5 / 31
torque (soft pull-up) max.	Nm / in.lbs	6.5 / 57.5	8 / 70.8
torque (hard pull-up) max.	Nm / in.lbs	8.5 / 75.2	10 / 88.5
speed, idling	rpm	2400	1700
air consumption	m <sup>3</sup> / min / cfm	1 / 35.3	1 / 35.3
distance from spindle centre to side	mm / in.	21 / 0.8	21 / 0.8
length	mm / in.	292 / 11.4	292 / 11.4
weight	kg / lbs	1.7 / 3.7	1.7 / 3.7
noise level	dB(A)	79	79

Performance data relate to an air pressure of 6.3 bar (90 PSI), Air hose dia. 10 mm/1/4", Internal hex. drive DIN 3126 – F6.3 (1/4"), integrated quick change chuc

Suitable tool inserts and connecting components with a drive as per DIN 3126 E6.3 (1/4"), see also in our brochure D 3320 E – Inserting tools.

**Standard equipment:** Hose coupling with nozzle and nipple · Set of torque adjustment tools · Set of clutch springs

Optional equipment:		Motor size 2	Motor size 2.5	Motor size 3	Motor size 4
Spring-Sleeve cpl., without screw suction	order no.	364672 A	364680 A	364672 A	364672 A
Spring-Sleeve cpl., with screw suction (in connection with finder, see leaflet: Inserting Tools D 3320 E)	order no.	364672 C	364680 D	364672 C	364672 C
Exhaust hose (0.75 m / 2.5 ft.) with air hose (2 m / 6.6 ft.)	order no.	330628 A	330628 A	413417 A	413417 A
handle	order no.	–	–	410 971	410971

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