



Screwdriving technology

Automation

Air motors

Air tools

# DEPRAG

**Handheld Screwdriver  
pneumatic**

## MINIMAT Control Screwdrivers

The basic solution for almost all screwdriving tasks  
angle head design – torque from 0.3 - 65 Nm / 3 to 575 in.lbs

- robust
- highest precision
- ergonomic
- long-life
- low noise level

The particular strength of the MINIMAT control screwdriver in angle head design is that it can carry out screw assemblies with torque ranges from 0.3 Nm to 65 Nm.

In these ranges you can not only assemble screws but also adjust them.

Screwdrivers with angle head design are preferably used for assemblies in tight areas. Because of the angle head design even large torque values can be managed by hand without problems.

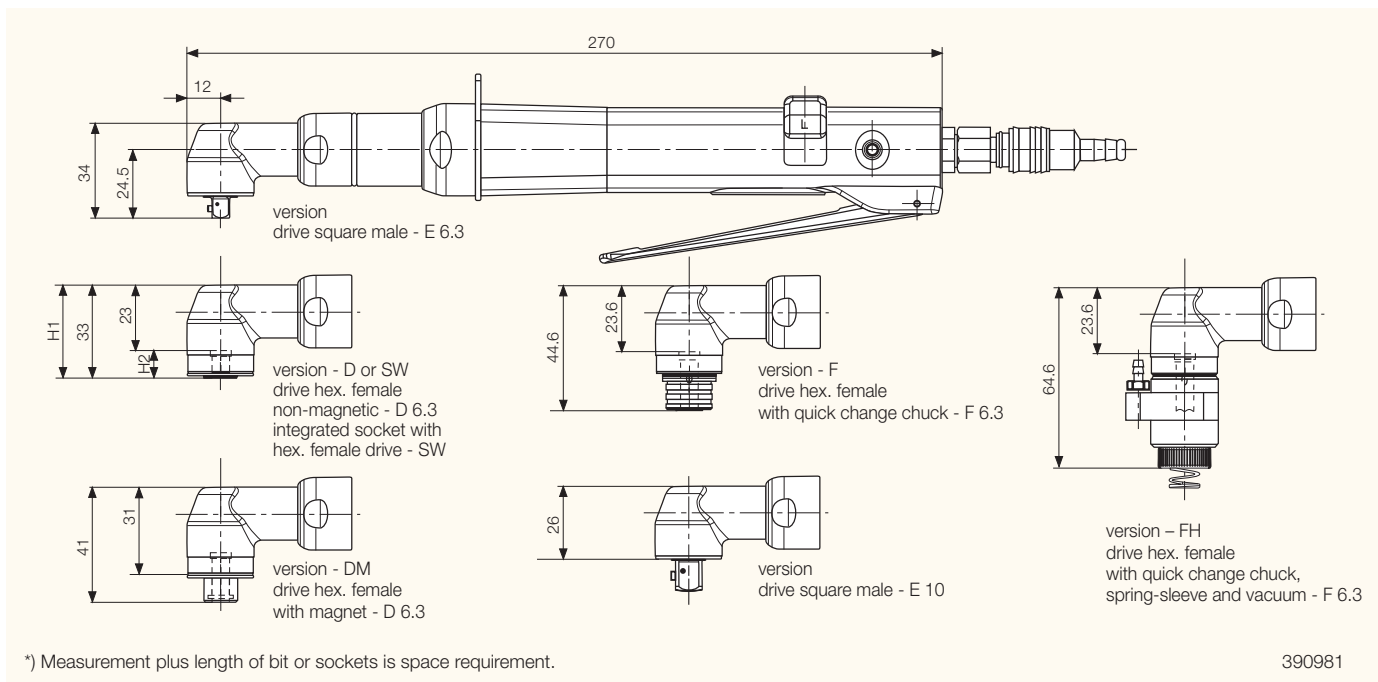
The handle is linked with the angle head by a plug connection and can be arrested in different positions.

The ergonomic MINIMAT screwdriver is extremely durable due to its extraordinary processing quality and design for heavy industrial use.

The MINIMAT clutch works with the tried and tested principle of a mechanical separation and shut-off clutch. This highly precise shut-off clutch allows torque precision of  $< \pm 3\%$  standard deviation, which is maintained for millions of assemblies.

When used under the correct conditions DEPRAG pneumatic screwdrivers with shut-off clutch conform with a Cmk value of  $\geq 1.67$  with a tolerance requirement of  $\pm 10\%$  in relation to 6 Sigma according to ISO 5393. In other words a Cmk value of 1.67 means that there is a failure rate of 0.6 per million screw assemblies.





\*) Measurement plus length of bit or sockets is space requirement.

390981

## Technical Data

Screwdriver Style		Motor Size 2		
Driver reversible, right shut-off drive square male 1/4"	<b>Type</b> Part no.	<b>377-321 U</b> 386530 B	<b>377-421 U</b> 386530 D	<b>377-521 U</b> 386530 C
Driver reversible, right shut-off drive square male 3/8"	<b>Type</b> Part no.	<b>377-321 U-E10</b> 390887 B	<b>377-421 U-E10</b> 390887 D	<b>377-521 U-E 10</b> 390887 C
Driver reversible, right shut-off drive hex. female 1/4" non-magnetic	<b>Type</b> Part no.	<b>377-321 U-D</b> 390883 B	<b>377-421 U-D</b> 390883 D	<b>377-521 U-D</b> 390883 C
Driver reversible, right shut-off drive hex. female 1/4" with magnet	<b>Type</b> Part no.	<b>377-321 U-DM</b> 390884 B	<b>377-421 U-DM</b> 390884 D	<b>377-521 U-DM</b> 390884 C
Driver reversible, right shut-off drive hex. female 1/4" with quick change chuck	<b>Type</b> Part no.	<b>377-321 U-F</b> 390885 B	<b>377-421 U-F</b> 390885 D	<b>377-521 U-F</b> 390885 C
Driver reversible, right shut-off drive hex. female 1/4" with quick change chuck and spring-sleeve	<b>Type</b> Part no.	<b>377-321 U-FH</b> 390886 B	<b>377-421 U-FH</b> 390886 D	<b>377-521 U-FH</b> 390886 C
Driver reversible, right shut-off integrated socket with hex. female drive	<b>Type</b> Part no.	<b>377-321 U-SW..</b> 3909251B 3909252B 3909253B 3909254B	<b>377-421 U-SW..</b> 3909251D 3909252D 3909253D 3909254D	<b>377-521 U-SW..</b> 3909251C 3909252C 3909253C 3909254C
Screws	up to	M 4	M 5	M 5
Torque min.	Nm / in. lbs	0.4 / 4	0.4 / 4	0.3 / 3
Torque max.	Nm / in. lbs	3.5 / 31	4.5 / 40	6.5 / 57
Speed, idling	rpm	780	500	350
Air consumption	m <sup>3</sup> /min / cfm	0.3 / 11	0.3 / 11	0.3 / 11
Height (H1) for AF 6 - AF 10 / AF 13	mm	29 / 30.5	29 / 30.5	29 / 30.5
	in.	1 9/64 / 1 13/64	1 9/64 / 1 13/64	1 9/64 / 1 13/64
Height (H2) for AF 6 / AF 8 / AF 10 / AF 13	mm	3.5 / 4 / 4 / 5.5	3.5 / 4 / 4 / 5.5	3.5 / 4 / 4 / 5.5
	in.	9/64 / 5/32 / 5/32 / 7/32	9/64 / 5/32 / 5/32 / 7/32	9/64 / 5/32 / 5/32 / 7/32
Weight	kg / lbs	0.85 / 1.9	0.85 / 1.9	0.85 / 1.9
Noise level	dB (A)	67	67	67
Air hose dia.	mm / in.	6 / 1/4	6 / 1/4	6 / 1/4
Air inlet pipe thread size		1/8" m	1/8" m	1/8" m

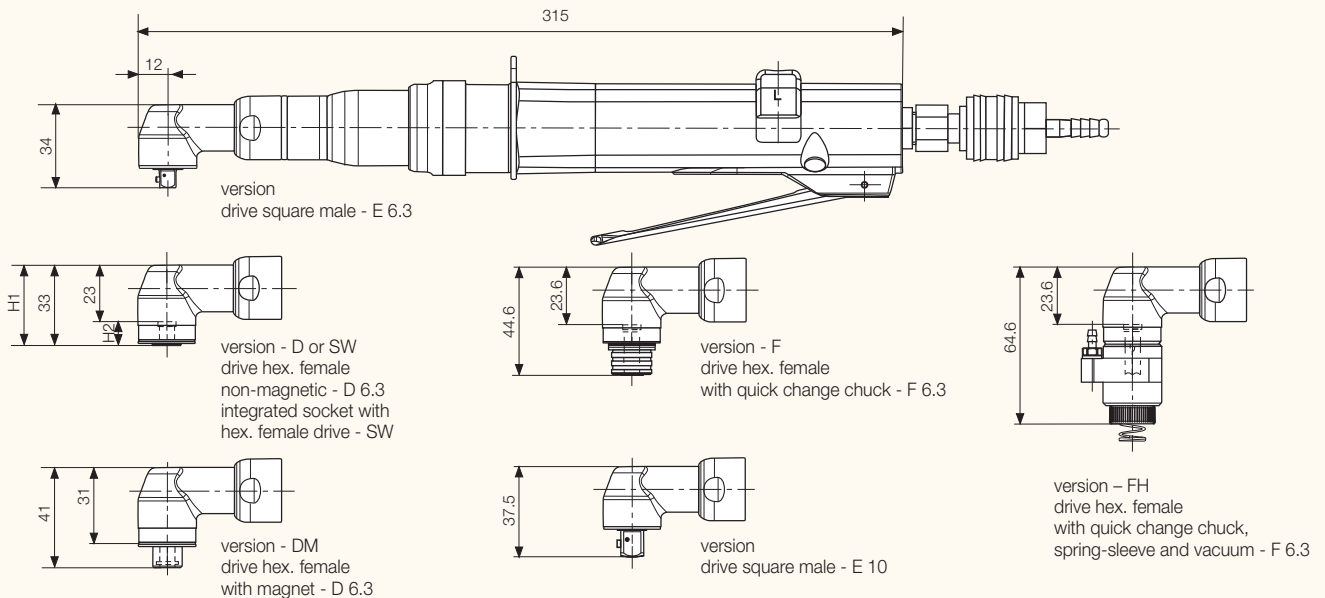
Performance data relate to an air pressure of 6.3 bar (90 PSI)

### Included in delivery

Hose coupling with nozzle and nipple · Torque adjustment tool · Assortment of clutch springs

### Optional Equipment

Exhaust hose (1 m /3.3 ft.) part no. 389653 A  
suitable for 377-...U-FH types: vacuum connector for screw suction part no. 392636 A



\*) Measurement plus length of bit or sockets is space requirement.

378385

## Technical Data

Screwdriver Style		Motor Size 2.5	
Driver reversible, right shut-off drive square male 1/4"	<b>Type</b> Part no.	<b>376-7251 U</b> 378385 A	<b>376-3251 U</b> 378385 B
Driver reversible, right shut-off drive square male 3/8"	<b>Type</b> Part no.	<b>376-7251 U-E 10</b> 382687 A	<b>376-3251 U-E 10</b> 382687 B
Driver reversible, right shut-off drive hex. female 1/4" non-magnetic	<b>Type</b> Part no.	<b>376-7251 U-D</b> 382683 A	<b>376-3251 U-D</b> 382683 B
Driver reversible, right shut-off drive hex. female 1/4" with magnet	<b>Type</b> Part no.	<b>376-7251 U-DM</b> 382684 A	<b>376-3251 U-DM</b> 382684 B
Driver reversible, right shut-off drive hex. female 1/4" with quick change chuck	<b>Type</b> Part no.	<b>376-7251 U-F</b> 382685 A	<b>376-3251 U-F</b> 382685 B
Driver reversible, right shut-off drive hex. female 1/4" with quick change chuck and spring-sleeve	<b>Type</b> Part no.	<b>376-7251 U-FH</b> 382686 A	<b>376-3251 U-FH</b> 382686 B
Driver reversible, right shut-off integrated socket with hex. female drive	<b>Type</b>	<b>376-7251 U-SW..</b>	<b>376-3251 U-SW..</b>
AF 6 mm	Part no.	3861391A	3861391B
AF 8 mm	Part no.	3861392A	3861392B
AF 10 mm	Part no.	3861393A	3861393B
AF 13 mm	Part no.	3861394A	3861394B
Screws	up to	M 6	M 6
Torque min.	Nm / in. lbs	1.5 / 13	1.5 / 13
Torque max.	Nm / in. lbs	8 / 71	15 / 133
Speed, idling	rpm	810	410
Air consumption	m <sup>3</sup> /min / cfm	0.35 / 12	0.35 / 12
Height (H1) for AF 6 - AF 10 / AF 13	mm	29 / 30.5	29 / 30.5
	in.	1 9/64 / 1 13/64	1 9/64 / 1 13/64
Height (H2) for AF 6 / AF 8 / AF 10 / AF 13	mm	3.5 / 4 / 4 / 5.5	3.5 / 4 / 4 / 5.5
	in.	9/64 / 5/32 / 5/32 / 7/32	9/64 / 5/32 / 5/32 / 7/32
Weight	kg / lbs	1.2 / 2.6	1.2 / 2.6
Noise level	dB (A)	76	76
Air hose dia.	mm / in.	6 / 1/4	6 / 1/4
Air inlet pipe thread size		1/4" m	1/4" m

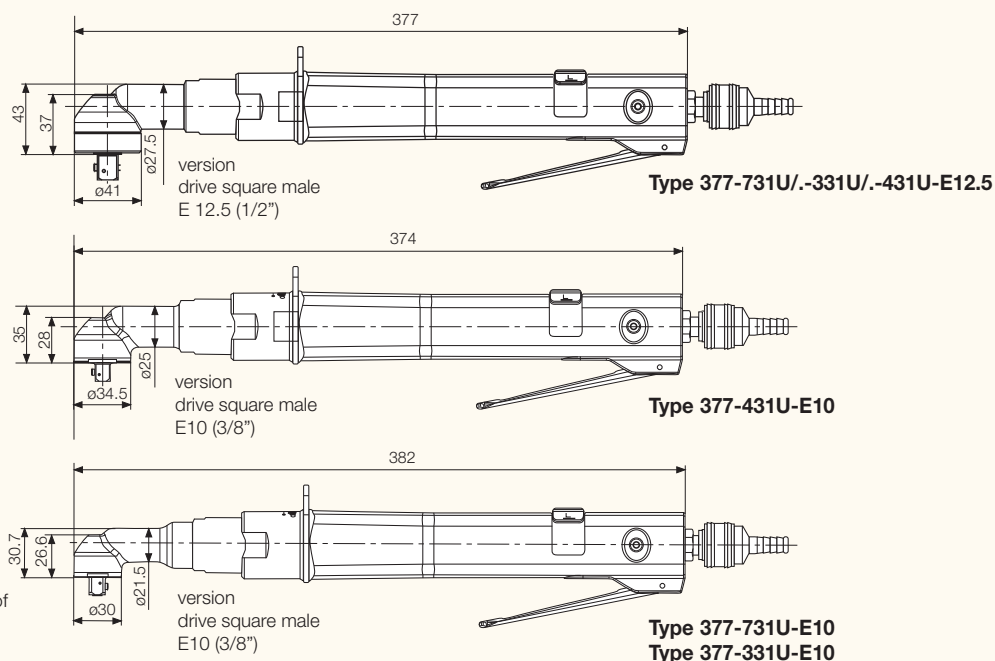
Performance data relate to an air pressure of 6.3 bar (90 PSI)

### Included in delivery

Hose coupling with nozzle and nipple · Torque adjustment tool · Assortment of clutch springs

### Optional Equipment

Exhaust hose (0.6 m / 2 ft.), part no. 398703 B



\*) Measurement plus length of bit or sockets is space requirement.

## Technical Data

Screwdriver Style		Motor Size 3		
Driver reversible, right shut-off drive square male E 12.5 (1/2")	<b>Type</b>	<b>377-731 U - E12.5</b>	<b>377-331 U - E12.5</b>	<b>377-431 U - E12.5</b>
	Part no.	396037 C	396037 D	396037 E
Screws	up to	M 6	M 8	M 10
Torque min.	Nm / in. lbs	4 / 35	4 / 35	4 / 35
Torque max.	Nm / in. lbs	11 / 97	20 / 177	35 / 310
Speed, idling	rpm	700	350	180
Air consumption	m <sup>3</sup> /min / cfm	0.4 / 14	0.4 / 14	0.4 / 14
Length (L)	mm / in.	377 / 14 <sup>27/32</sup>	377 / 14 <sup>27/32</sup>	377 / 14 <sup>27/32</sup>
Weight	kg / lbs	2 / 4.4	2 / 4.4	2 / 4.4
Noise level	dB (A)	75	75	75
Air hose dia.	mm / in.	10 / 3/8	10 / 3/8	10 / 3/8
Air inlet pipe thread size		1/4" f	1/4" f	1/4" f
Driver reversible, right shut-off drive square male E10 (3/8")	<b>Type</b>	<b>377-731 U - E10</b>	<b>377-331 U - E10</b>	<b>377-431 U - E10</b>
	Part no.	411310 C	411310 D	400611 E
Screws	up to	M 6	M 8	M 10
Torque min.	Nm / in. lbs	4 / 35	4 / 35	4 / 35
Torque max.	Nm / in. lbs	10 / 88.5	19 / 168	33 / 292
Speed, idling	rpm	730	365	190
Air consumption	m <sup>3</sup> /min / cfm	0.4 / 14	0.4 / 14	0.4 / 14
Length (L)	mm / in.	382 / 15 <sup>1/32</sup>	382 / 15 <sup>1/32</sup>	374 / 14 <sup>23/32</sup>
Weight	kg / lbs	1.9 / 4.2	1.9 / 4.2	1.9 / 4.2
Noise level	dB (A)	75	75	75
Air hose dia.	mm / in.	10 / 3/8	10 / 3/8	10 / 3/8
Air inlet pipe thread size		1/4" f	1/4" f	1/4" f

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

### Included in delivery

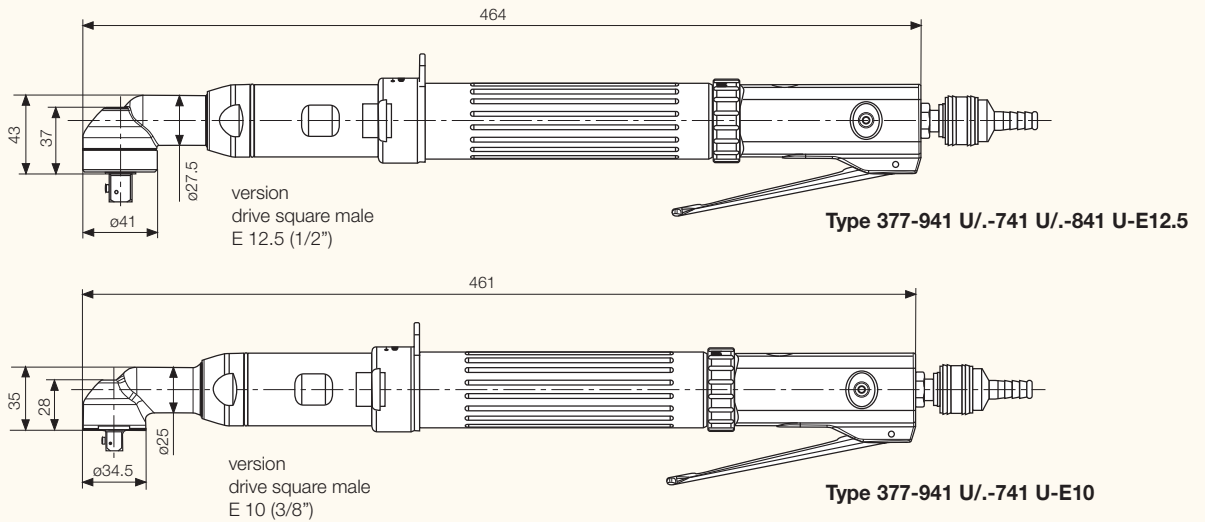
Hose coupling with nozzle and nipple · Torque adjustment tool · Assortment of clutch springs

### Optional Equipment

Exhaust hose (0.6 m / 2 ft.), part no. 398703 A

Screwdriver Style	Suitable tool inserts and connecting components
External square drive DIN 3121 – E 6.3 (1/4")	with a drive as per DIN 3121 – G 6.3 (1/4")
External square drive DIN 3121 – E 10 (3/8")	with a drive as per DIN 3121 – G 10 (3/8")
External square drive DIN 3121 – E 12.5 (1/2")	with a drive as per DIN 3121 – G 12.5 (1/2")
Internal hex. drive DIN ISO 1173 – D 6.3 (1/4")	with a drive as per DIN ISO 1173 – C 6.3 (1/4")
Internal hex. drive DIN ISO 1173 – F 6.3 (1/4")	with a drive as per DIN ISO 1173 – E 6.3 (1/4")
Internal hex. drive DIN ISO 1173 – D 8 (5/16")	with a drive as per DIN ISO 1173 – C 8 (5/16")

Please also find suitable tool inserts in our brochure D 3320 E.



\*) Measurements plus length of bit or sockets in space requirement

404429

## Technical Data

Screwdriver Style		Motor Size 4		
Driver reversible, right shut-off drive square male E12.5 (1/2")	<b>Type</b>	<b>377-941 U - E12.5</b>	<b>377-741 U- E12.5</b>	<b>377-841 U - E12.5</b>
	Part no.	379100 B	379100 C	379100 D
Screws	up to	M 10	M 10	M 12
Torque min.	Nm / in. lbs	8 / 70.8	8 / 70.8	8 / 70.8
Torque max.	Nm / in. lbs	32 / 283	46 / 407	65 / 575
Speed, idling	rpm	410	270	185
Air consumption	m <sup>3</sup> /min / cfm	1 / 35.3	1 / 35.3	1 / 35.3
Length (L)	mm / in.	464 / 18	464 / 18	464 / 18
Weight	kg / lbs	2.3 / 5	2.3 / 5	2.3 / 5
Noise level	dB (A)	78	78	78
Air hose dia.	mm / in.	10 / 3/8	10 / 3/8	10 / 3/8
Air inlet pipe thread size		1/4" f	1/4" f	1/4" f
Driver reversible, right shut-off drive square male E10 (3/8")	<b>Type</b>	<b>377-941 U - E10</b>	<b>377-741 U - E10</b>	
	Part no.	400638 B	400638 C	
Screws	up to	M 10	M 10	
Torque min.	Nm / in. lbs	7 / 62	7 / 62	
Torque max.	Nm / in. lbs	30 / 265.5	44 / 389	
Speed, idling	rpm	430	285	
Air consumption	m <sup>3</sup> /min / cfm	1 / 35.3	1 / 35.3	
Length (L)	mm / in.	461 / 18 5/32	461 / 18 5/32	
Weight	kg / lbs	2.2 / 4.8	2.2 / 4.8	
Noise level	dB (A)	78	78	
Air hose dia.	mm / in.	10 / 3/8	10 / 3/8	
Air inlet pipe thread size		1/4" f	1/4" f	

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

### Included in delivery

Hose coupling with nozzle and nipple · Torque adjustment tool · Assortment of clutch springs

### Optional Equipment

Exhaust hose (0.6 m / 2 ft.), part no. 398703 A



It is necessary to use a torque support (e.g. stand, handgrip) for maximum torque: over 60 Nm for angle design.  
Suitable torque supports can be found in our brochure D 3340 E.

# DEPRAG

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