



Screwdriving technology

Automation

Air motors

Air tools



DEPRAG

PULSE TOOLS

torque range: 3 - 60 Nm (26.5 - 530 in.lbs)

- **Inline**
- **Pistolgrip**
- **Accuracy $\pm 5\%$**

The pulse tool is a similar design to an impact driver, however with integrated hydraulic pulse unit.

The torque output is controlled by the frequency, (= pulse per minute) and by the adjustment of the pulse unit. When the preset pressure in the pulse unit is reached, which is relative to the torque output, the driver shuts off.

This shut-off transpires prior to achieving the theoretical maximum possible torque (at a certain preset), and therefore no hammer effect occurs, as with standard impact drivers.

The technique of regulating both pressure and frequency, allows a torque accuracy of $\pm 5\%$ standard deviation for pulse drivers with a torque setting even below 10 Nm (88 in.lbs). To enhance the versatility of this tool, the reverse torque is 20 % higher than the seating torque, to assist in rework application.

The pulse tools have the form- and grip design of the reliable MINIMAT-Screwdrivers, especially the straight version, and therefore offers the following advantages:

- low vibration
- low noise level
- ergonomic shape and non-slip housing material



Technical Data



Pulse Tools – Style with shut-off		straight	
		lever-start	push-to-start
reversible with quick change chuck	type order no.	HY 115 G1 363027 A	HY 135 G8 363031 A
for screws		up to M6	up to M8
torque min. (soft pull-up)	Nm / in.lbs	5 / 44	15 / 133
torque max. (soft pull-up)	Nm / in.lbs	15 / 133	35 / 310
torque min. (hard pull-up)	Nm / in.lbs	8 / 71	15 / 133
torque max. (hard pull-up)	Nm / in.lbs	15 / 133	35 / 310
speed, idling	rpm	3000	4000
air consumption	m ³ /min/cfm	0.1 / 3	0.37 / 13
distance from spindle			
centre to side	mm / in.	20 / ¹³ / ₁₆	20 / ¹³ / ₁₆
length	mm / in.	258 / 10 ⁵ / ₃₂	255 / 10 ¹ / ₃₂
weight	kg / lbs	1.1 / 2.4	1.35 / 3
air hose dia.	mm / in.	6 / ¹ / ₄	10 / ³ / ₈
air inlet pipe thread size		¹ / ₄ " f	¹ / ₄ " f
internal hex. drive DIN 3126		F6.3 (¹ / ₄ "	F11.2 (⁷ / ₁₆ "
suitable tool inserts and connecting components with a drive as per DIN 3126		E6.3 (¹ / ₄ "	E11.2 (⁷ / ₁₆ "



Pulse Tools – Style with shut-off		Pistol grip				
reversible with quick change chuck	type order no.	HY 207 P7 397449 A	HY 211 P7 411558 A	HY 220 P7 411559 A	HY 135 P7 363033 B	– –
reversible with square drive	type order no.	– –	– –	– –	– –	HY 160 P7 375930 A
for screws		M5 up to M6	up to M6	up to M7	up to M8	up to M10
torque min. (soft pull-up)	Nm / in.lbs	3 / 26.5	6 / 53	10 / 88	15 / 133	30 / 265
torque max. (soft pull-up)	Nm / in.lbs	5 / 44	11 / 97	20 / 177	35 / 310	60 / 530
torque min. (hard pull-up)	Nm / in.lbs	4 / 35.5	6 / 53	10 / 88	15 / 133	30 / 265
torque max. (hard pull-up)	Nm / in.lbs	6 / 53	11 / 97	20 / 177	35 / 310	60 / 530
speed, idling	rpm	5500	6500	7500	2500	3500
air consumption	m ³ /min/cfm	0.19 / 6.7	0.3 / 10.6	0.35 / 12.4	0.37 / 13	0.7 / 21
distance from spindle						
centre to side	mm / in.	20 / ¹³ / ₁₆	21 / ⁵³ / ₆₄	21 / ⁵³ / ₆₄	30 / 1 ³ / ₁₆	32 / 1 ¹ / ₄
length	mm / in.	200 / 7 ⁷ / ₈	173 / 6 ¹³ / ₁₆	173 / 6 ¹³ / ₁₆	210 / 8 ¹ / ₄	205 / 8 ¹ / ₈
weight	kg / lbs	0.9 / 1.9	0.85 / 1.87	0.85 / 1.87	1.45 / 3.2	2 / 4.4
air hose dia.	mm / in.	6 / ¹ / ₄	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈
air inlet pipe thread size		¹ / ₄ " f NPT	¹ / ₄ " f NPT	¹ / ₄ " f NPT	³ / ₈ " f	³ / ₈ " m
internal hex. drive DIN 3126		F6.3 (¹ / ₄ "	F6.3 (¹ / ₄ "	F6.3 (¹ / ₄ "	F11.2 (⁷ / ₁₆ "	–
external square drive DN 3121		–	–	–	–	E12.5 (¹ / ₂ "
suitable tool inserts and connecting components with a drive as per DIN 3126		E6.3 (¹ / ₄ "	E6.3 (¹ / ₄ "	E6.3 (¹ / ₄ "	E11.2 (⁷ / ₁₆ "	–
with a drive as per DIN 3121		–	–	–	–	G12.5 (¹ / ₂ "

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

Standard Equipment: hose coupling with nozzle and nipple or just hose nozzle · Torque Adjustment Tools

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

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