Screwdriving Technology
Automation
Air Motors
Air Tools

DEPRAG

Impulse Screwdriver with automatic shut-off

Low-vibration screwdrivers with an integrated hydraulic impulse mechanism

Torque range: 4 – 120 Nm (35.4 – 1060 in.lbs)

- **low-vibration**
- **low noise level**
- **optimal design of the open-pored plastic grip**
- **high repeatability**

The low-vibration impulse screwdriver allows the fast tightening of fasteners without any tangible torque reaction.

The ergonomic inline or pistolgrip design enables fatigue-free operation despite the high torque output.

Handheld Screwdriver pneumatic for special applications

The impulse tool is a similar design to an impact driver, however with integrated hydraulic impulse 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 and therefore no hammer effect occurs, as with standard impact drivers.

This technique of regulating both pressure and frequency, allows a torque accuracy of ± 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.

TECHNICAL DATA

Pulse Tools, Style with shut-off – Straight handle design

Reversible with quick change chuck	**Type** Part no.	**HY115G1** (Lever-start) 363027A	**HY135G8** (Push-to-start) 363031A
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 / 3.5	0.37 / 13.1
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 ISO 1173		F6.3 (1/4")	F11.2 (7/16")
Suitable tool inserts and connecting components with a drive as per DIN ISO 1173		E6.3 (1/4")	E11.2 (7/16")

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

Included in delivery:	Hose coupling with nozzle and nipple or just hose nozzle · Torque adjustment tools

Pulse Tools, Style with shut-off – Pistol grip

Reversible with quick change chuck	**Type** Part no.	**HY307P7** 421136A	**HY211P7** 411558A	**HY220P7** 411559A	**HY235P7** 411560A
For screws		M5 up to M6	up to M6	up to M7	up to M8
Torque min. (soft pull-up)	Nm / in.lbs	4 / 35.5	6 / 53	10 / 88	20 / 177
Torque max. (soft pull-up)	Nm / in.lbs	7 / 61.9	11 / 97	20 / 177	35 / 310
Torque min. (hard pull-up)	Nm / in.lbs	4 / 35.5	6 / 53	10 / 88	20 / 177
Torque max. (hard pull-up)	Nm / in.lbs	7 / 61.9	11 / 97	20 / 177	35 / 310
Speed, idling	rpm	6000	6500	7500	6500
Air consumption	m^3/min/cfm	0.2 / 7	0.3 / 10.6	0.35 / 12.4	0.55 / 19.4
Distance from spindle centre to side	mm / in.	21 / 53/64	21 / 53/64	21 / 53/64	24 / 0.9
Length	mm / in.	173 / 6 13/16	173 / 6 13/16	173 / 6 13/16	179 / 7
Weight	kg / lbs	0.83 / 1.8	0.85 / 1.87	0.85 / 1.87	1 / 2.2
Air hose dia.	mm / in.	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	1/4 f NPT
Internal hex. drive DIN ISO 1173		F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")
Suitable tool inserts and connecting components with a drive as per DIN ISO 1173		E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")

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

Included in delivery:	Hose coupling with nozzle and nipple or just hose nozzle · Torque adjustment tools

TECHNICAL DATA

Pulse Tools, Style with shut-off – Pistol grip

Reversible with square drive	**Type** Part no.	**HY160P7** 375930A	**HY180P7** 423088A	**HY1120P7** 423185A
For screws		up to M10	up to M12	up to M14
Torque min. (soft pull-up)	Nm / in.lbs	30 / 265	50 / 442.5	70 / 619.5
Torque max. (soft pull-up)	Nm / in.lbs	60 / 530	80 / 708	120 / 1062
Torque min. (hard pull-up)	Nm / in.lbs	30 / 265	50 / 442.5	70 / 619.5
Torque max. (hard pull-up)	Nm / in.lbs	60 / 530	80 / 708	120 / 1062
Speed, idling	rpm	3500	6000	5500
Air consumption	m^3/min/cfm	0.7 / 24.7	0.75 / 26.5	0.85 / 30
Distance from spindle centre to side	mm / in.	32 / 1 1/4	28.5 / 1 1/8	28.5 / 1 1/8
Length	mm / in.	205 / 8 1/8	190 / 7 31/64	209 / 8 15/64
Weight	kg / lbs	2 / 4.4	1.4 / 3.08	1.7 / 3.74
Air hose dia.	mm / in.	10 / 3/8	12 / 1/2	12.5 / 1/2
Air inlet pipe thread size		3/8 m	1/4 i NPT	1/4 i NPT
External square drive DIN 3121		E12.5 (1/2")	E12.5 (1/2")	E12.5 (1/2")
Suitable tool inserts and connecting components with a drive as per DIN 3121		G12.5 (1/2")	G12.5 (1/2")	G12.5 (1/2")

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

Included in delivery:	Hose coupling with nozzle and nipple or just hose nozzle · Torque adjustment tools

Suitable tool inserts ➔ brochure D3320E

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