

Oil pulse tools
for industrial applications

EYP series

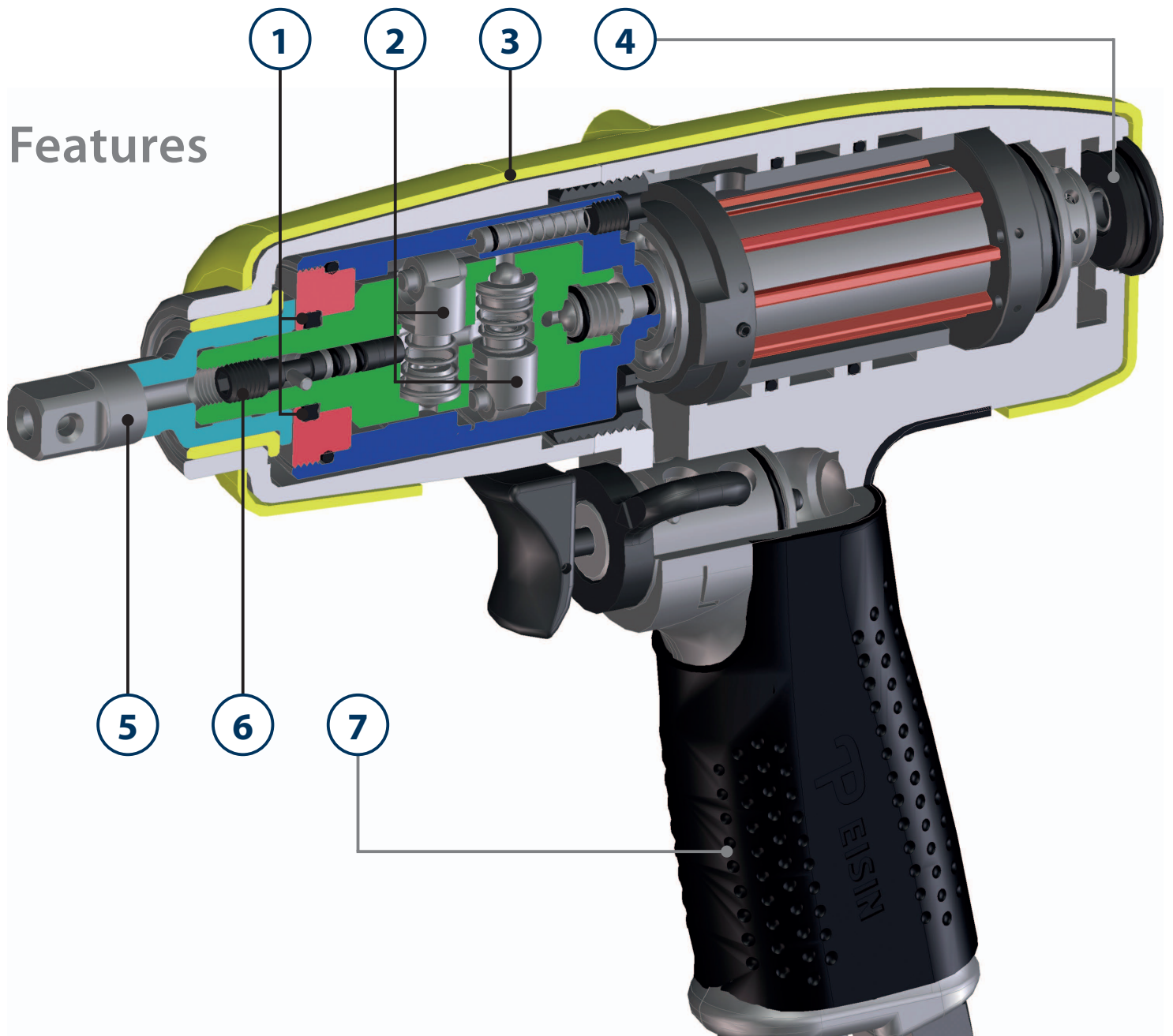


- 5 - 600 Nm
- High torque repeatability
- **Less maintenance**
Pulse unit consists of significant less parts as tools of other manufacturers
- **Lower oil warming**
Thereby a significant higher service time and less oil changes (250.000 cycles)
- **Simplified method of oil replacement** (without vacuum pump system)
- Simple torque adjustment
- Less reaction force to the operator's wrist, arm and shoulder
- Pricewise an interesting alternative

Innovation is our passion



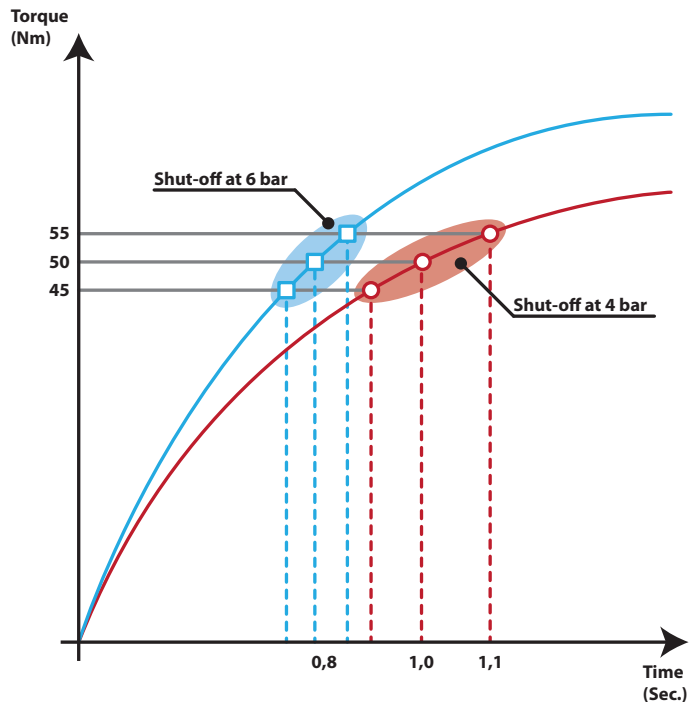
Features



- | | | |
|---|--|--|
| <p>1 Durable oil seal
Sealing lower pressure oil</p> <p>2 Simple Structure
Presents maximum torque output
- patented -</p> <p>3 Protector
For the protection of the work piece</p> | <p>4 Direct air shut-off
New mechanism
- patented -</p> <p>5 Changeable driving end
Multiple driving ends available
- patented -</p> | <p>6 Relief valve
Easy to adjust range of torque</p> <p>7 Ergonomical handle
For a better handling of the tool</p> |
|---|--|--|

Innovation is our passion

Torque shut-off precision also while supply air fluctuates
















The unique design of HST-EYP pulse tools, combining pulse unit and air shut-off mechanism, provides the most excellent accuracy of shut-off torque while supply air pressure fluctuates between 4 bar and 6 bar or more.

While generating a pulse, some amount of high pressure oil is going through the internal oil passage (tunnel) in the wall of the anvil and flows into the oil chamber through the check valve orifice. During a series of pulses, the accumulated volume of oil in the chamber keeps increasing and finally activates the shut-off piston.

When the supplied air pressure goes down, the rotation of the air motor slows down and simultaneously, the number of pulses being generated becomes lower, also. As a result it takes more time to build up enough fluid pressure to activate the shut-off piston which will transmit fluid force to the air shut-off valve by way of the signal pin located in the center of the rotor. This automatic self-controlled mechanism is called „DIRECT AIR SHUT-OFF“, and it is patented.

Illustration on the top shows how stable shut-off torque can be maintained even if the supplied air pressure fluctuates between 4 bar and 6 bar.

Advantages of the HST-EYP series

Advantages	Less initial costs	Less running costs	Ergonomics	Excellent performance	Easy and simple handling
DIRECT AIR SHUT-OFF , patented, makes it possible for HST-EYP pulse tools to provide most accurate and stable shut-off performance despite of possible fluctuation of supplied air pressure between 4 bar and 6 bar.					
Simple structure of HST-EYP pulse mechanism, patented, presents maximum torque output, most durable life time, less wearing parts, less overall maintenance cost, as well.					
Durable oil seal having two seal-points configuration can offer no oil leakage for a longer overall service life at less expensive replacement costs; same material adopted as ordinary O-ring					
Diesel engine oil, popularly available in the market, used for HST-EYP pulse tool enables less expensive oil replacement cost.					
Changeable driving end of HST-EYP pulse tools, patented, enables less reserve cost of backup tools.					
Simplified method of oil replacement available for HST-EYP pulse tool enables quick oil change service without using vacuum pump system.					
Easy change positioning of relief valve , located in the center of HST-EYP pulse tool, enables less time period for adjustment to meet target torque.					
Less reaction force from HST-EYP pulse tool combined with ergonomic grip handle provides operator friendly handling and less fatigue to the operator's wrist, arm and shoulder.					
Declared values of HST-EYP pulse tools regarding noise level and vibration meet harmonized standards specified in compliance with EC Declaration of Conformity.					
Competitive tool pricing of HST-EYP pulse tools enables to save customer's investment cost.					

Straight screwdriver HST-EYPS

Straight screwdriver	Adapter	Torque range		RPM under no load		Weight	Air consumption under no load
		4 bar	6 bar	4 bar	6 bar		
HST-EYPS-70AS-D	1/4" hex (M6-M8)	7 - 16 Nm	7 - 18 Nm	4,800	5,400	1.00 kg	0.40 m ³ /min
HST-EYPS-80AS-D	1/4" hex (M6-M8)	13 - 30 Nm	15 - 30 Nm	4,800	5,400	1.00 kg	0.40 m ³ /min
HST-EYPS-70AS	3/8" square (M6-M8)	7 - 16 Nm	7 - 18 Nm	4,800	5,400	1.00 kg	0.40 m ³ /min
HST-EYPS-80AS	3/8" square (M6-M8)	13 - 30 Nm	15 - 30 Nm	4,800	5,400	1.00 kg	0.40 m ³ /min

Tools incl. protection cover



HST-EYPS-70AS
HST-EYPS-80AS



D-type

Sound pressure level (L_{pA}) 77,68 db(A) | K value vibration 0,88 m/s²

Pistol screwdriver HST-EYP

Pistol screwdriver	Adapter	Torque range		RPM under no load		Weight	Air consumption under no load
		4 bar	6 bar	4 bar	6 bar		
HST-EYP-70AS-D	1/4" hex (M6-M8)	5 - 18 Nm	7 - 20 Nm	8,000	8,800	1.10 kg	0.55 m ³ /min
HST-EYP-80AS-D	1/4" hex (M6-M8)	15 - 33 Nm	18 - 35 Nm	6,700	7,200	1.10 kg	0.60 m ³ /min
HST-EYP-90AS-D	1/4" hex (M6-M8)	25 - 45 Nm	30 - 50 Nm	5,000	5,500	1.10 kg	0.60 m ³ /min
HST-EYP-70AS-38	3/8" square (M6-M8)	5 - 18 Nm	7 - 20 Nm	8,000	8,800	1.10 kg	0.55 m ³ /min
HST-EYP-80AS-38	3/8" square (M6-M8)	15 - 33 Nm	18 - 35 Nm	6,700	7,200	1.10 kg	0.60 m ³ /min
HST-EYP-90AS-38	3/8" square (M10-M12)	30 - 60 Nm	33 - 65 Nm	5,000	5,500	1.40 kg	0.60 m ³ /min
HST-EYP-150AS	3/8" square (M16)	140 - 200 Nm	140 - 200 Nm	2,300	2,600	4.10 kg	0.75 m ³ /min
HST-EYP-150AS-H	3/8" square (M16)	160 - 250 Nm	160 - 280 Nm	2,300	2,600	4.10 kg	0.75 m ³ /min
HST-EYP-70AS-12	1/2" square (M6-M8)	5 - 18 Nm	7 - 20 Nm	8,000	8,800	1.10 kg	0.55 m ³ /min
HST-EYP-80AS-12	1/2" square (M6-M8)	15 - 33 Nm	18 - 35 Nm	6,700	7,200	1.10 kg	0.60 m ³ /min
HST-EYP-90AS-12	1/2" square (M10-M12)	30 - 60 Nm	33 - 65 Nm	5,000	5,500	1.40 kg	0.60 m ³ /min
HST-EYP-95AS	1/2" square (M10-M12)	30 - 80 Nm	30 - 85 Nm	4,700	5,100	1.50 kg	0.70 m ³ /min
HST-EYP-120AS	1/2" square (M14)	70 - 120 Nm	70 - 120 Nm	3,000	3,500	2.70 kg	0.70 m ³ /min
HST-EYP-120AS-H	1/2" square (M14)	100 - 150 Nm	100 - 150 Nm	3,000	3,500	2.70 kg	0.70 m ³ /min

Tools incl. protection cover (except HST-EYP-120 & HST-EYP-150)



HST-EYP-70AS
HST-EYP-80AS
HST-EYP-90AS
HST-EYP-95AS



HST-EYP-120AS
HST-EYP-150AS



D-type

Sound pressure level (L_{pA}) | K value vibration

HST-EYP-70AS 80,07 db(A), 0,88 m/s² | HST-EYP-80AS 79,39 db(A), 0,58 m/s² | HST-EYP-90AS 80,32 db(A), 0,66 m/s² | HST-EYP-95AS 80,32 db(A), 0,66 m/s²
HST-EYP-120AS 77,42 db(A), 1,14 m/s² | HST-EYP-150AS 81,82 db(A), 1,07 m/s²

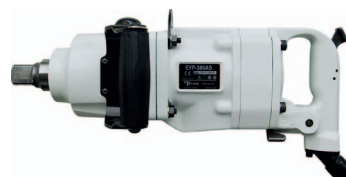


Power screwdriver HST-EYP

Power screwdriver	Adapter	Torque range		RPM under no load		Weight	Air consumption under no load
		4 bar	6 bar	4 bar	6 bar		
HST-EYP-200AS	3/4" square (M18-M20)	200 - 300 Nm	200 - 300 Nm	3,500	4,000	7.90 Kg	1.40 m ³ /min
HST-EYP-200AS-H	3/4" square (M18-M20)	300 - 400 Nm	300 - 400 Nm	3,500	4,000	7.90 Kg	1.40 m ³ /min
HST-EYP-300AS	1" square (M20-M22)	400 - 500 Nm	400 - 500 Nm	4,200	4,800	10.3 Kg	1.60 m ³ /min
HST-EYP-380AS	1" square (M20-M22)	500 - 600 Nm	500 - 600 Nm	3,300	4,000	10.7 Kg	1.80 m ³ /min



HST-EYP-200AS

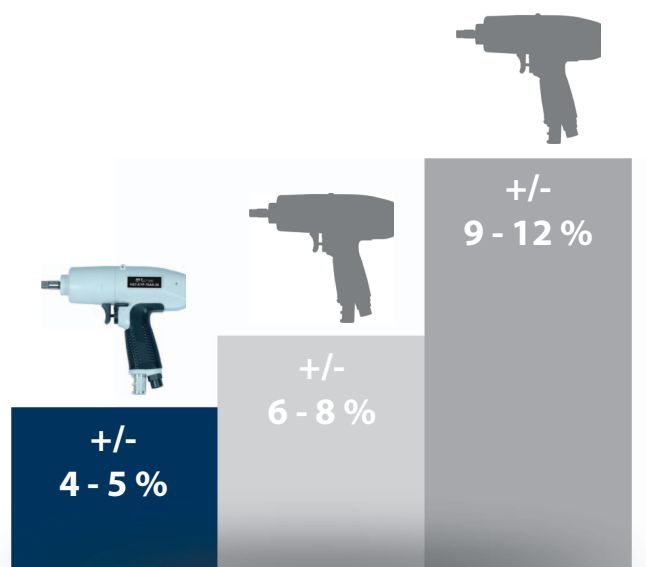


HST-EYP-300AS
HST-EYP-380AS

Sound pressure level (L_{PA}) | K value vibration

HST-EYP-200AS 96,15 db(A), 0,79 m/s² | HST-EYP-200AS-A 96,15 db(A), 0,88 m/s² | HST-EYP-300AS 89,47 db(A), 0,79 m/s² | HST-EYP-380AS 89,57 db(A), 0,97 m/s²

Torque accuracy



HS-Technik GmbH
High - System - Technik

Company A

Company B

HS-Technik GmbH | Im Martelacker 12 | D-79588 Efringen-Kirchen
Phone +49 7628 - 91 11 - 0 | Fax +49 7628 - 91 11 - 90 | info@hs-technik.com | www.hs-technik.com

© Copyright May 2015

We reserve the right of technical changes as well as in the delivery program through product development.
Reprinting or even a partial quotation of texts from our brochures is forbidden and will be prosecuted.