



PH/PDH SERIES



Features and Benefits

- Standardized presses for various forming and drawing operations
- Operation as a single press or as part of a press hardening line
- Rigid press frame structure in tie rod design
- The precise 8-fold slide guiding system provides a high degree of guidance during the forming cycle to minimize off-center loads
- Specially designed hydraulic system without shift shock during operation
- Slide movement either pressure and / or travel-dependent
- The models for press hardening are available with 8,000, 12,000 and 16,000 kN press capacity and come with a newly developed combination of servomotor and hydraulics that allows higher speeds in the closing and return movement of the slide

Overview

- Type: Hydraulic presses
- Press capacity: 1,500-25,000 kN
- Part size: small, medium, large
- Application: for the production of drawn parts or as part of a press hardening line

Description

Hydraulic presses are the ideal solution for the precise forming of various parts, whereby the maximum press capacity is available in every position of the slide. In combination with their flexibility in terms of slide speed and dwell time, hydraulic presses are also particularly suitable for press hardening applications.

Standard equipment

- Hydraulic die cushion in the press bed
- Moving bolster with mobile control panel
- Electrical slide adjustment, mechanical slide locking
- Motorized oil circulation with cooling or heating unit
- Precise 8-fold slide guiding
- Anti-vibration and leveling plates

Options

- Hydraulic die cushion in the press slide
- Additional moving bolster in front-to-back or t-track arrangement
- Continuous slide locking
- Hydraulic die clamps with automatic clamping process

Technical specifications

Model	PDH-150	PDH-300	PDH-600	PDH-800	PDH-1000	PDH-1200	PDH-1500	PDH-2000	PDH-2500
Press capacity in kN	1,500	3,000	6,000	8,000	10,000	12,500	15,000	20,000	25,000
Slide stroke in mm	600	1,000	1,000	1,500	1,500	1,500	1,500	2,000	2,000
Daylight in mm	900	1,400	1,500	1,500	1,500	1,500	1,500	2,000	2,000
Working height above floor level in mm	700	700	700	700	750	750	850	900	900
Die cushion capacity in kN	30-100	100-150	250-300	250-300	300-400	300-400	400-500	500-600	500-600
Die cushion stroke in mm	250	300	350	350	350	350	400	450	450
Bolster and slide dimensions in mm	1,100 x 900	2,200 x 1,500	3,000 x 2,000	3,000 x 2,000	3,500 x 2,000	3,500 x 2,000	4,000 x 2,500	4,500 x 2,500	4,500 x 2,500

Model	PDH-800 Press hardening	PDH-1200 Press hardening	PDH-1600 Press hardening
Press capacity in kN	8,000	12,000	16,000
Forming speed* in mm/s	50-150	50-150	50-150
Slide speed (closing and return) in mm/s	800	800	800
Slide stroke in mm	1,200	1,200	1,200
Daylight in mm	1,000	2,200	2,200
Working height above floor level in mm	700	805	805
Bolster and slide dimensions in mm	3,300 x 2,200	3,300 x 2,500	3,300 x 2,500

*Press capacity related | Subject to technical modifications