

PASCAL

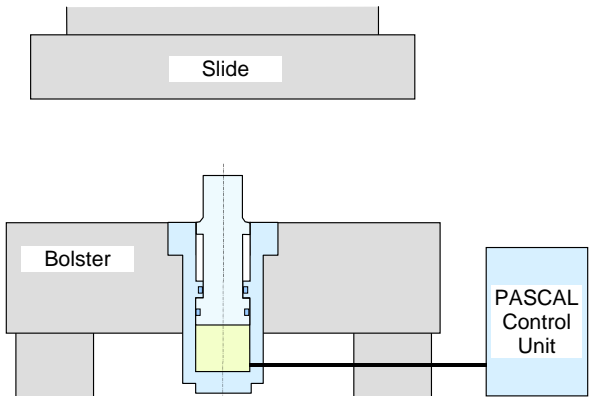
HYDRAULIC DIE-CUSHION SYSTEMS

Pascal
corporation

PASCAL HYDRAULIC DIE-CUSHION SYSTEMS

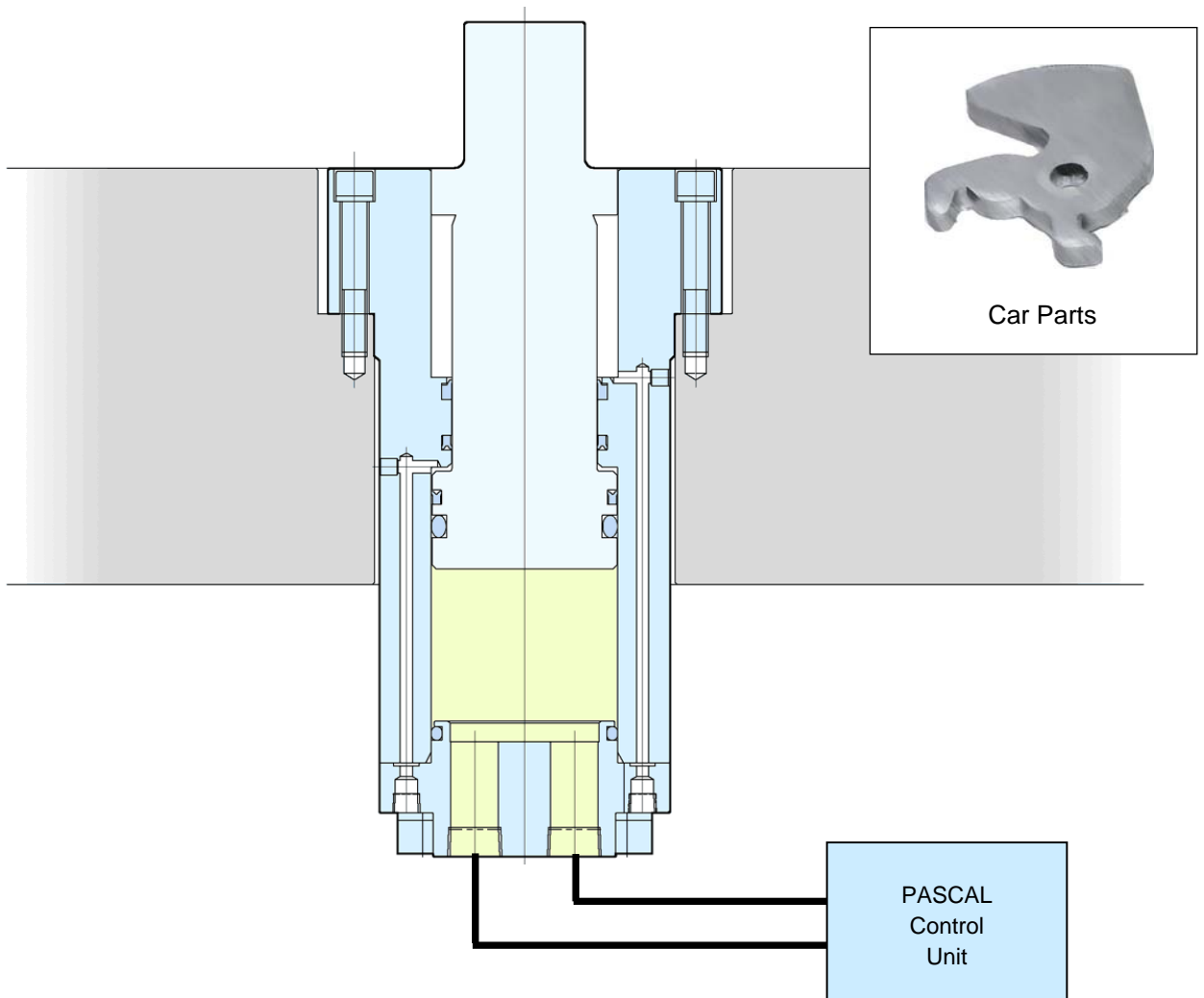


DCB-PDKA2650

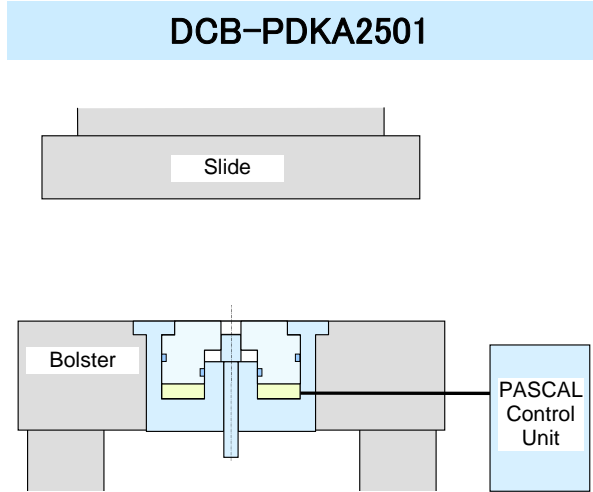


Built in the bolster of 9800 kN (1000 ton) forging press machine. Maximum cushion force is 147 kN (15 ton). With 49 kN (5 ton) hydraulic force, knock-out can be done at desired timing. For severe work environments, constant air blow protects the cylinder.

Max. Cushion Force	Stroke	Oil Volume	Mass
147 kN {15 ton} (at hyd. pressure 23.1 MPa)	73 mm	464 cc	40 kg

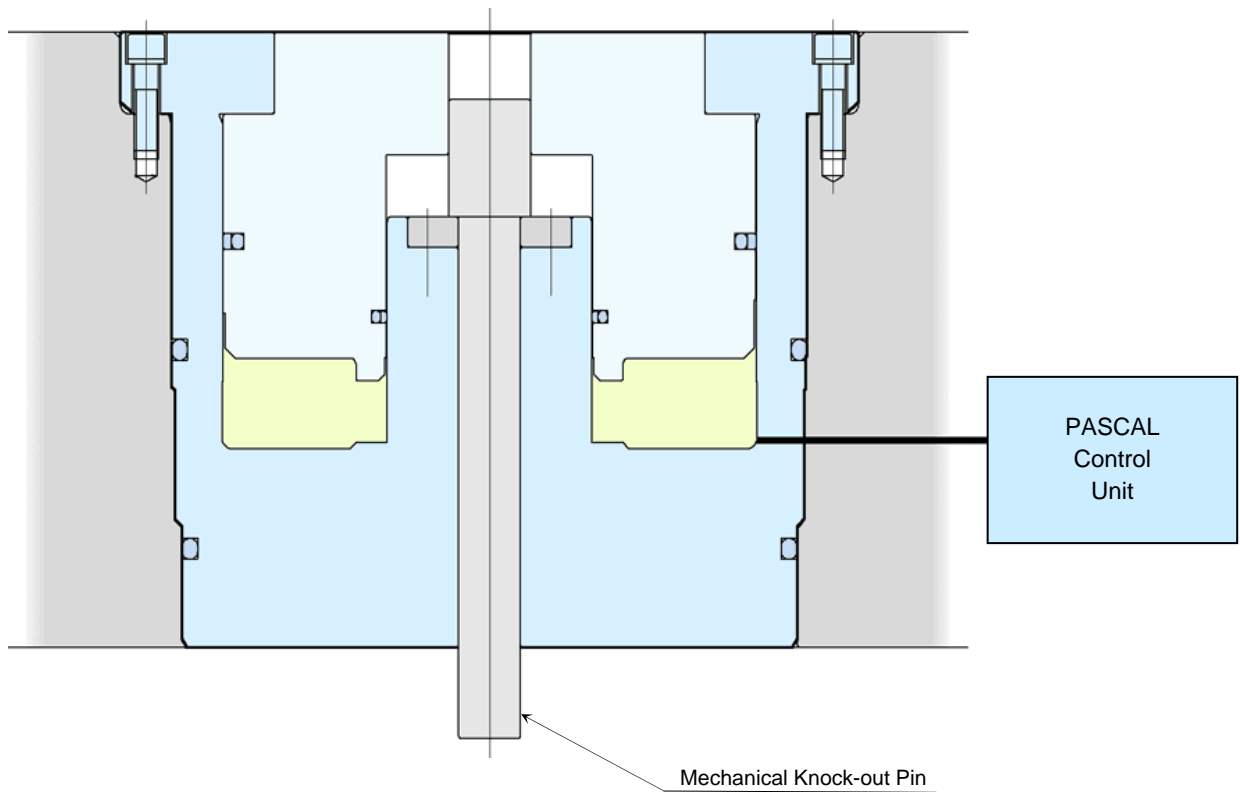


PASCAL HYDRAULIC DIE-CUSHION SYSTEMS



Built in the bolster of 29400 kN (3000 ton) forging press machine. Maximum cushion force is 1470 kN (150 ton). In order to have a knock-out function mechanically with press machine, hollow cylinder structure is applied.

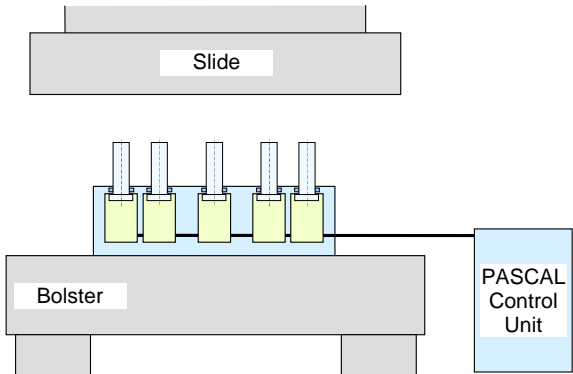
Max. Cushion Force	Stroke	Oil Volume	Mass
1470 kN {150 ton} (at hyd. pressure 32.1 MPa)	30 mm	1357 cc	170 kg



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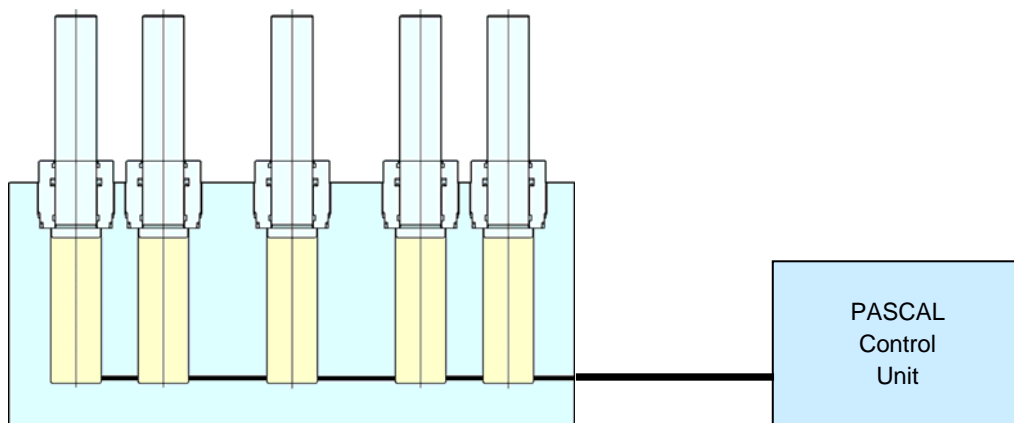
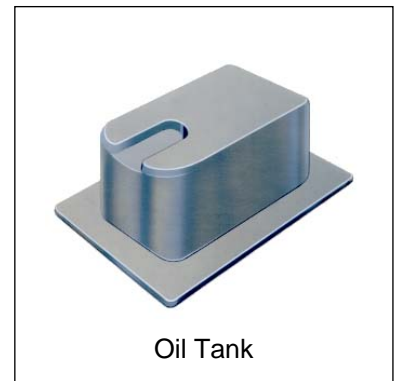
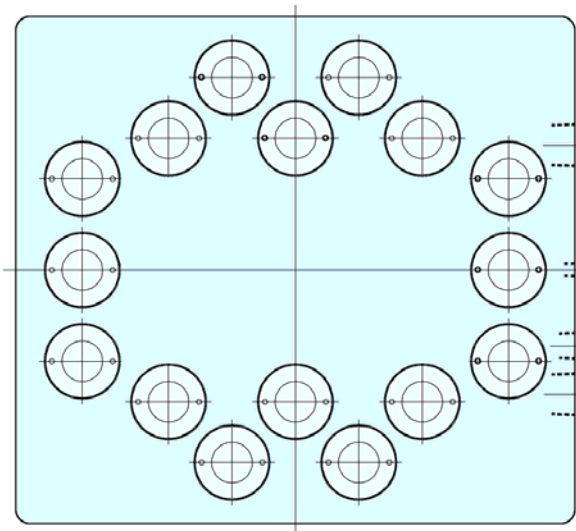


DFA-PDKA1860



Built in the die. Maximum cushion force is 470kN (48 ton). Having 160 mm long stroke for deep drawing application. Cooling jacket is integrated in the cushion plate to avoid heating during continuous operation.

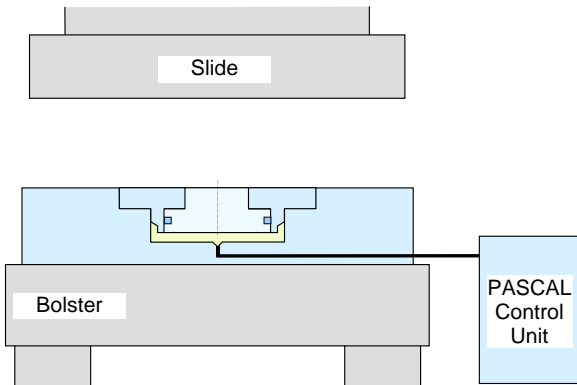
Max. Cushion Force	Stroke
29.4 kN {3.0 ton} x 16 pcs (at hyd. pressure 24.0 MPa)	160 mm



PASCAL HYDRAULIC DIE-CUSHION SYSTEMS



DKC-PDKA2280



Die cushion for blanking by constant pressure. Locating on the bolster. Max. cushion force of 588 kN (60 ton). Particularly designed locking valve enables a knock-out at desired timing.

Max. Cushion Force	Stroke	Oil Volume	Mass
588 kN {60 ton} (at hyd. pressure 18.7 MPa)	4 mm	125.6 cc	700 kg

