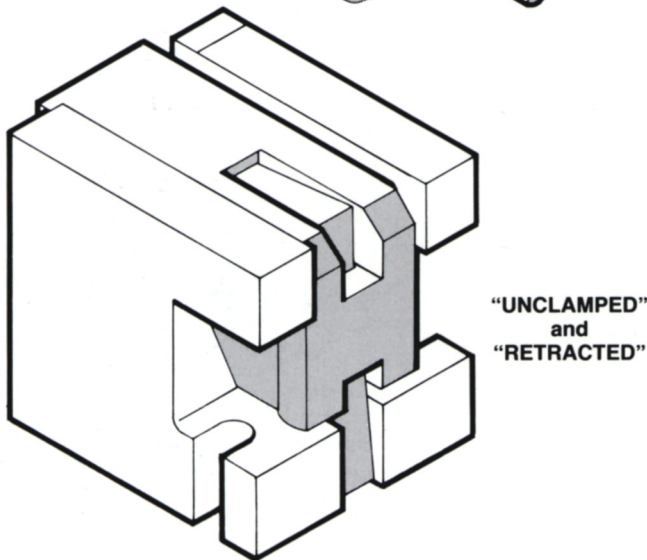
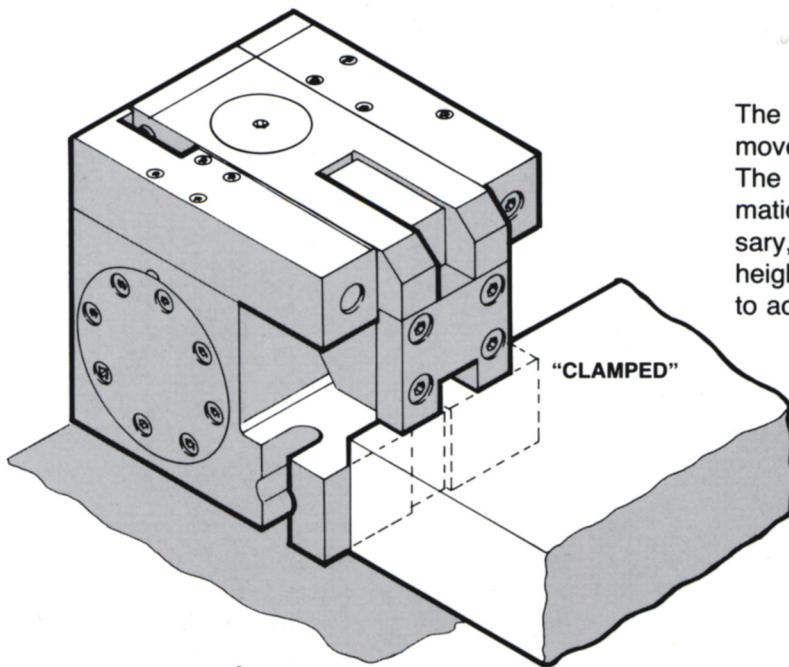


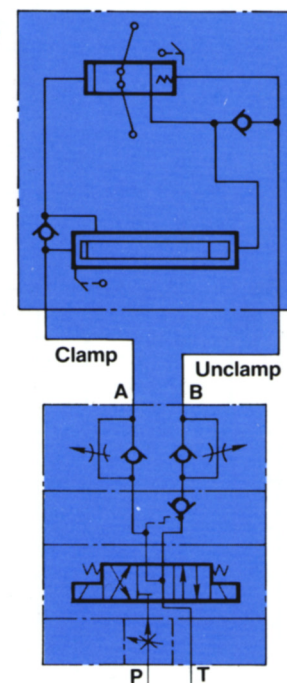
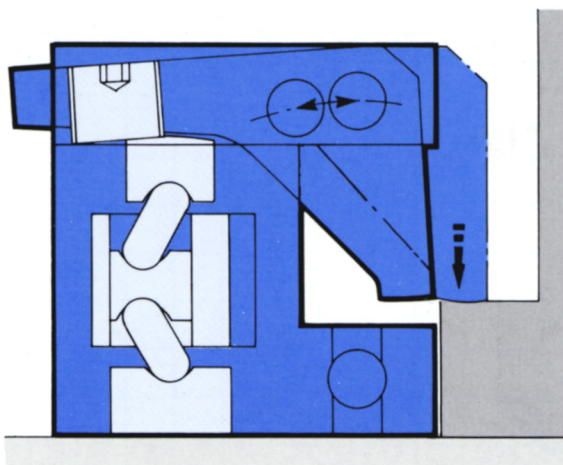
Extremely rugged unit with a fully retractable clamp jaw.

The PDV's retractable jaw allows dies to be raised and moved past the clamp without clearance limitations. The jaw's movements and clamping take place automatically in series. Only two hydraulic lines are necessary, one to clamp and one to unclamp. If clamping heights are varied the PDV-VSB version can be ordered to accept tolerances of $\pm .020"$.



Features

- Hydraulically activated mechanical clamping
- Fully retracting jaw
- Clamp force of 4 to 22 tons
- Unsurpassed rigidity and operational safety
- Compact Dimensions
- Ideally suited for rolling bolsters



Technical Data

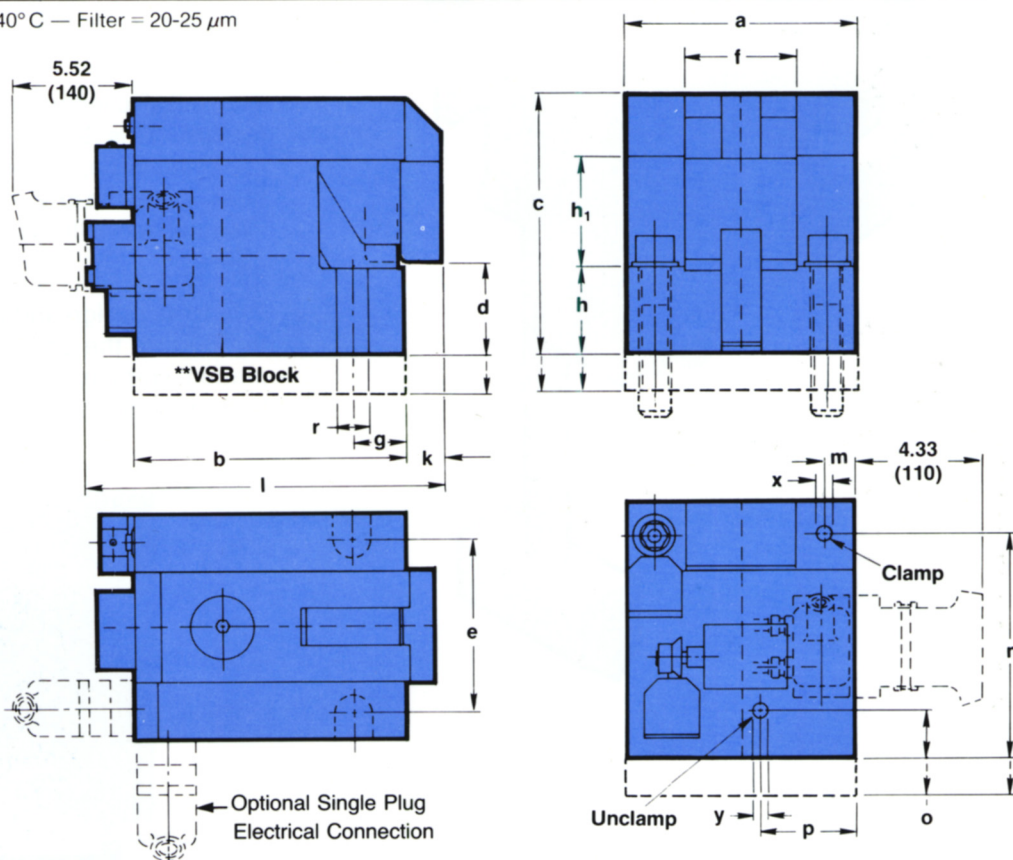
Model		PDV 4	PDV 6.3	PDV 10	PDV 20
Clamp Force	tons	4	7	11	22
Setting Pressure	psi	1150	1000	1300	1450
Operating Pressure	min. psi	1450	1300	1600	1750
	max. psi	2000	2000	2000	2000
Holding Capacity — Maximum	tons	7	11	14	28
Clamping Stroke	inches (mm) ≈	.10 (2.5)	.10 (2.5)	.10 (2.5)	.10 (2.5)
Clamping Tolerance **	inches (mm)	±.008 (± 0.2)	±.008 (± 0.2)	±.008 (± 0.2)	±.008 (± 0.2)
Oil Volume Required per Event (cu. in.)	Clamp	1.5	3.4	3.4	5.9
	Unclamp	1.2	3.0	3.0	5.3
Oil Flow Required per Unit*	gal/min	0.05–.075	0.1–.15	0.15–.25	0.15–.30
Hydraulic Fittings		R 1/8	R 1/4	R 1/4	R 1/4

Hydraulic Fluid Viscosity = 25-60 cSt/40°C — Filter = 20-25 μ m

*If a pump of greater flow capacity than required is used, it is necessary to throttle the flow.

****Optional VSB version
allows tolerances of
 $\pm .020$ ($\pm 0.5\text{mm}$)**

Note: () indicates mm



Model	Clamp Force Tons	Operating Pressure psi	Dimensions																	
			a	b	c	d	e	f	g	h	h ₁	k	l	m	n	o	p	r	y	x
PDV 4	4	1450	5.12 (130)	5.43 (138)	5.04 (128)	1.97 (50)	3.74 (95)	2.36 (60)	0.98 (25)	1.57 (40)	2.13 (54)	0.59 (15)	7.09 (180)	0.67 (17)	4.45 (113)	0.94 (24)	3.86 (98)	0.67 (17)	R 1/8	R 1/8
PDV 4 w. VSB							6.22 (158)	3.15 (80)				2.76 (70)				5.63 (143)	2.13 (54)			
PDV 6.3	7	1300	5.51 (140)	6.02 (153)	6.69 (170)	2.36 (60)	3.94 (100)	2.28 (58)	1.18 (30)	2.28 (58)	2.83 (72)	0.79 (20)	8.27 (210)	0.79 (20)	6.02 (153)	1.38 (35)	3.35 (85)	0.67 (17)	R 1/4	R 1/4
PDV 6.3 w. VSB							7.32 (186)	3.15 (80)				2.91 (74)				6.65 (169)	2.01 (51)			
PDV 10	11	1600	6.10 (155)	6.69 (170)	6.89 (175)	2.36 (60)	4.72 (120)	2.87 (73)	1.38 (35)	1.97 (50)	3.15 (80)	0.79 (20)	8.70 (221)	0.79 (20)	6.00 (152.5)	0.87 (22)	2.28 (58)	0.83 (21)	R 1/4	R 1/4
PDV 10 w. VSB							8.07 (205)	3.54 (90)				3.15 (80)				7.19 (182.5)	2.05 (52)			
PDV 20	22	1750	6.81 (173)	8.07 (205)	7.91 (201)	2.76-3.15 (70-80)	5.24 (133)	3.35 (85)	1.57 (40)	2.44 (62)	3.50 (89)	0.79 (20)	10.24 (260)	0.85 (21.5)	6.93 (176)	1.42 (36)	2.87 (73)	0.98 (25)	R 1/4	R 1/4
PDV 20 w. VSB							9.09 (231)	3.94-4.33 (100-110)				3.62 (92)					8.11 (206)	2.60 (66)		

All dimensions in inches unless otherwise specified. () indicates mm.