

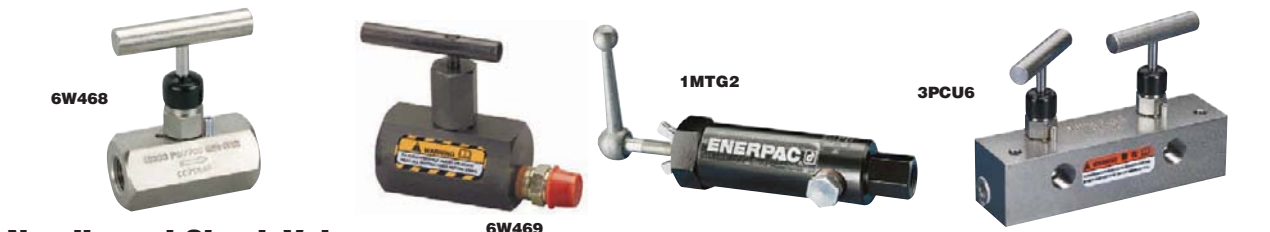
ENERPAC
Gauges and Gauge Adapters

- Max. pressure: 10,000 psi, except 46C578 is 15,000 psi

Use with all cylinders and presses. Stainless steel cases resist corrosion. Gauge snubbers or needle valves recommended for high-cycle applications.



Gauge Range	Dial Size	Req. Enerpac Gauge Adapter	Filled With	Accuracy	Connection Size	Connection Location	Mfr. Model	Item No.
DGR Series, Digital Hydraulic Gauge								
0 to 20,000 psi	2 3/4 in	—	—	—	1/4 in	Bottom	DGR2	22NV68
GF Series, Hydraulic Force and Pressure Gauges								
0 to 10,000 psi	4 in	GA-1, GA-2 OR GA-4	Glycerin	+/-1.00%	1/2 in	Bottom	GF10P	46C573
	4 in	GA-1, GA-2 OR GA-4	Glycerin	+/-1.00%	1/2 in	Bottom	GF20P	46C574
	4 in	GA-1, GA-2 OR GA-4	Glycerin	+/-1.00%	1/2 in	Bottom	GF50P	46C575
	4 in	GA-1, GA-2 OR GA-4	Glycerin	+/-1.00%	1/2 in	Bottom	GF10P	46C576
4 in	GA-1, GA-2 OR GA-4	Glycerin	+/-1.00%	1/4 in	Bottom	GF813P	46C577	
GP Series, Hydraulic Force and Pressure Gauges								
0 to 10,000 psi	4 in	GA-2	—	+/-1.00%	1/2 in	Bottom	GP10S	3KD63
0 to 15,000 psi	4 in	GA-1, GA-2 OR GA-4	—	+/-1.00%	1/2 in	Bottom	GP1SS	46C578
G Series, High Pressure Gauges								
0 to 300 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Bottom	G2512L	46C564
0 to 600 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Bottom	G2513L	46C565
0 to 1000 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Bottom	G2514L	46C566
0 to 1000 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Center Back	G2531R	46C569
0 to 3000 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Bottom	G2516L	46C567
0 to 6000 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Bottom	G2513L	46C568
0 to 6000 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Center Back	G2534R	46C570
0 to 10,000 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Bottom	G2535L	3KD57
0 to 10,000 psi	2 1/2 in	GA-3	Glycerin	+/-1.50%	1/4 in	Center Back	G2537R	46C571
0 to 10,000 psi	4 in	GA-3	Glycerin	+/-1.00%	1/4 in	Bottom	G4088L	3KD59
0 to 10,000 psi	4 in	GA-2	Glycerin	+/-1.00%	1/2 in	Bottom	G4039L	5ZL41
0 to 15,000 psi	2 1/2 in	—	Glycerin	+/-1.50%	1/4 in	Bottom	G2536L	18Y527
0 to 15,000 psi	4 in	—	Glycerin	+/-1.00%	1/4 in	Bottom	G4089L	18Y528
T Series, Test System Gauges								
0 to 10,000 psi	6 1/2 in	—	—	+/-0.50%	1/2 in	Bottom	T6003L	18Y551
0 to 40,000 psi	6 1/2 in	—	—	+/-1.50%	1/4 in	Bottom	T6010L	18Y552
Gauge Adapters								
Gauge Port (FNPT) (in.)	(M)NPT Fitting (in.)	(FNPT) Fitting (in.)	L (in.)	Mfr. Model	Item No.			
1/4	3/8	3/8	5.25	GA3	3KD39			
1/2	1/4	3/8	4.38	GA4	3KD40			
1/2	3/8	3/8	2.8125	GA1	46C572			
1/2	3/8	3/8	6.1	GA2	3KD38			



Needle and Check Valves

Needle Valve—Controls cylinder speed. Can be used as a shutoff valve for temporary load holding.

Manually Operated Check Valve—Improves safety in load-holding applications. When closed, oil is allowed into cylinder but not back to pump.

Pressure Relief Valve—Add to a 10,000 psi pump or to a hydraulic system to limit system pressure. Opens when preset pressure is reached. Repeatability: ±3%. Includes 3-ft. line hose kit.

Hydraulic Split Flow Valve—Allows a single pump to independently operate 2 cylinders. Steel construction.

Item	Inlet Port Size	Port Size	Outlet Port Size	Pressure Range (psi)	Mfr. Model	Item No.
Needle Valve	3/8 in NPT	3/8 in NPT	3/8 in NPT	—	V82	6W468
Manually Operated Check Valve	3/8 in NPT	3/8 in NPT	3/8 in NPT	—	V66	6W469
Pressure Relief Valve	3/8 in NPT	3/8 in NPT	3/8 in NPT	800 to 10,000	V152	1MTG2
Hydraulic Split Flow Valve	—	3/8 in NPT	—	0 to 10,000	AM21	3PCU6

ENERPAC
35-Ton Hydraulic Punch and Punch and Die Sets



Note: Material thickness should not exceed hole diameter.

35-Ton Hydraulic Punch—Designed to punch burr-free holes in mild steel up to 1/2" thick. Includes bench-mount bracket, metal storage case, die changeover tools, and 3/8" coupler. Works with hand-, air-, and electric-powered hydraulic pumps.

Punch-and-Die Kits—Include punch and 4 die sets that produce round holes sized 0.44", 0.56", 0.69", and 0.81" in diameter. Once punched, these holes will accommodate standard bolts sized 3/8", 1/2", 5/8", and 3/4".

Description	Mfr. Model	Item No.
35-ton Hydraulic Punch	SP35	3KD34
Punch and Die Kit	SP35S	4PU64
Punch and Die Kit with Electric Pump and Hose	SP35SP	25TV51
Punch and Die Sets		
Std. Hole Size (in.)	Std. Bolt Size (in.)	Characteristics
0.31	1/4	Circle Hole
0.38	5/16	Circle Hole
0.38	5/16	Square Hole
0.44	3/8	Circle Hole
0.44	3/8	Square Hole
0.44 x 0.75	3/8	Oval Hole
0.50 x 0.75	1/2	Oval Hole
0.53	1/2	Circle Hole
0.56	1/2	Circle Hole
0.69	3/4	Circle Hole
0.78	—	Circle Hole
0.81	3/4	Circle Hole

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