

***GPI* metal products**

**FLUID END
SPRINGS, PLUNGERS
AND PACKING MATERIALS**



GPI metal products

Springs

Sizes

Available for listed Fluid End Valve sizes

Material

Stainless Steel Industrial
Conical Compression Ring

Properties

Min. Tensile Strength: 187,000 psi
Pitch Angle: 8.085 deg.
High natural frequency

Applications

Stimulation, well servicing, cementing,
slurry/abrasives, general service

Springs fit Fluid End Valve

See reference charts on pg. 5 for sizing with
GPI's Extended Life Cycle Fluid End Valves



Manufactured in the USA

Contact sales@gpimetal.com, (214) 838-0167 or (414) 406-2051 for pricing and availability

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Fluid End Plungers & Packing Materials

Plunger Sizes & Material

3 – 6 in ½ increments

Mill certified 1018 / 4140 cast steel

Flexibility

Sealing at a wide range of pressures

Mating surfaces with lubrication reservoir

Protection

Restricts abrasives from main packing

Applications

Stimulation, well servicing, cementing, slurry & abrasive, general service

Packing Materials

Soft Packing, Lantern Ring, Female Adapter, Junk Ring

Packing Materials

Fit all Plunger Sizes

Available in *Super Gold* or Standard Packaging



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Fluid End Consumables Reference Charts

Valve Reference Chart

Plunger Size (in.)	Valve Part #	Seat Part #	Spring Part #
3.50 - 4.50	GPI-3545-V2	GPI-3545-S2	GPI-3545-K
3.75 - 4.00	GPI-3740-V1	GPI-3740-S1	
4.50 - 5.00	GPI-4550-V1	GPI-4550-S1	GPI-4550-K

Plunger Reference Chart

Plunger Size (in.)	Plunger Part #	Packing Materials Package #
3.00	GPI-30-P	GPI-3040-M
3.50	GPI-35-P	GPI-3545-M
4.00	GPI-40-P	GPI-4050-M
4.50	GPI-45-P	GPI-4555-M
5.0	GPI-50-P	GPI-5060-M
5.5	GPI-55-P	GPI-5565-M
6.0	GPI-60-P	GPI-6070-M

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GPI Valve & Seat	Compatible Pumps
GPI-4550-V1 GPI-4550-S1	BJ – Pacemaker CMW – H-1600, C-1300, C-1800, J-2000 FMC – WQ-270 GD – GD3000HP, C-2250, C-2500 C-2500HP, HD-2250, GD-1000, GD-2000, GD-2250, GD-2500, GD-2500H, GWS, GD 1250, GWS 2250, Super GWS 2250, OPI 600 Geoquip – H-880, LC-1200, H-1600, C-1300, C-1800, J-2000 OFM – 1000-1300WS, 350 AWS, 500 AWS, 880 AWS, 350 DWS, 1000 AWS, 1300 AWS, 1600 AWS, 1800 AWS, 1600BWS, GD 2000 Oilwell – SB-644-5, SA-644-5, SA-644-10, SA-650-5, SA-650-10, SB-650-5 Omega – 1000-13000HP, 1800HP OPI – 1000-1300WS, 880 AWS, 1000 AWS, 1300 AWS, 1600 AWS, 1800 AWS, 1600BWS, 350 DWS Pinion – RB5, RB6 SPM – TWS 900, QWS 1000S, TWS 1300, TWS 1600, TWS 1800, TWS 1600LW, TWS 2250, TWS 2400, QWS 2000, 2500LW, QWS 2500, 2500 SD, QWS 3500, TBH 1050, QBH 1575, TWS 2500 Tulsa Rig Iron – TT-450, TT-680 Western – RB 80, RB 81, Roughrider 1000, Roughrider 1500 Wheatley – 3F-450, 4F-750
GPI-3545-V2 GPI-3545-S2	Ellis Williams – W-440-HP Le Tourneau – W-440-HP MSI – TI-600, QI-1000 National – JWS-165L, JWS-5L, JWS-300L, JWS-185, JWS-340 OFM – 350 AWS, 500 AWS Oilwell – 46P, 346P, 48-P-HD, 58-P-D, S-830, SA-830 OPI – 350 AWS, 500 AWS SPM – TBH 175, TBH -225, TBH -350, TBH 550, TWS 250, TWS 400, TWS 500LW, TWS 600, TWS 600S, TWS 900, QWS 1000S TFI – ZB-400I TSC – WF-340 Western –Roughrider 500
GPI-3740-V1 GPI-3740-S1	BJ – Pacemaker, BJ-8 CMW – H-1600, C-1300, C-1800, J-2000 GD – GWS, GD-1000, GD 1250, GWS 2250, Super GWS 2250, OPI 600 Geoquip – H-880, LC-1200, H-1600, C-1300, C-1800, J-2000 OFM – 880 AWS, 1000 AWS, 1300 AWS, 1600 AWS, 1800 AWS, 1600BWS, GD 2000 Omega – 13000HP, 1800HP OPI – 880 AWS, 1000 AWS, 1300 AWS, 1600 AWS, 1800 AWS, 1600BWS, GD 2000 SPM – TWS 1300, TWS 1600, TWS 1800, TWS 1600LW, TWS 2250, TWS 2400, QWS 2000, 2500LW, QWS 2500, 2500 SD, QWS 3500, TBH 1050, QBH 1575, TWS 2500 Wheatley – BJ-8

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High-Performance Custom Metal Formed Parts

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