



WX Series

Cross Tube Hydraulic Cylinders

Surplus Center Item #	Model	Bore	Stroke	Rod Dia	Retracted	Pin Dia	Full Extension Column Load Limitation (psi)	Allowable load (lbF)
9-7270-08	1SWX08-100	1.50	8.00	1.00	16.00	.75	3000	5301
9-7270-10	1SWX10-100	1.50	10.00	1.00	18.00	.75	3000	5301
9-7270-12	1SWX12-100	1.50	12.00	1.00	20.00	.75	3000	5301
9-7270-14	1SWX14-100	1.50	14.00	1.00	22.00	.75	3000	5301
9-7270-16	1SWX16-100	1.50	16.00	1.00	24.00	.75	3000	5301
9-7270-18	1SWX18-100	1.50	18.00	1.00	26.00	.75	3000	5301
9-7270-20	1SWX20-100	1.50	20.00	1.00	28.00	.75	3000	5301
9-7270-24	1SWX24-100	1.50	24.00	1.00	32.00	.75	2618*	4626

* Note: Indicates cylinder column strengths affected. Affected cylinders should not be operated beyond these limits as the cylinder rods may buckle or bend causing failure.

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 3000 PSI

Welded steel cross tube casting base end, welded steel cross tube casting rod end, 3000 psi, hard chrome rod, PSP crown piston seals, U-cup rod seals, skived tubing, ORB ports



Bore	1.5
A*	8.00
C	0.75
E	1.88
H	1.50
H1	1.88
J	1.50
J1	1.50
K	0.77
P	9/16-18

*stroke + A = retracted

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- 1 End Cap** - Durable steel cast end able to withstand continuous high loads.
- 2 Piston Nut** - Heavy duty, torqued, self locking piston nut holds piston in place under high cycle loading.
- 3 Piston Wear Ring** - 33% glass filled nylon wear ring incorporated in piston to provide side load bearing area, preventing scoring of cylinder tube.
- 4 Piston** - Precision machined providing a malleable bearing surface for extended cylinder life.
- 5 Piston Seal** - PSP crown piston seal comes with expander to provide a positive piston seal with minimal friction, extending seal operation under high pressure applications.
- 6 Cylinder Shaft** - High tensile steel, hard chrome plated shaft provides extended cylinder life in harsh applications.
- 7 Tube** - Precision finished skived and burnished heavy wall steel tubing for extended seal and cylinder life.

- 8 Ports** - ORB for positive sealing. Unless otherwise stated, cylinders assembled as follows:
 WX Series: Ports 90° to pins.
 WH Series: Ports inline with pins.
- 9 Tube Seal** - 90 durometer o-ring with anti-extrusion back-up washer to prevent leakage under high pressure and cycle loading.
- 10 Rod Seal** - Polyurethane U-Cup providing long wearing, positive seal.
- 11 Cylinder Head** - Offering increased bearing surface for high shock and side load applications. Comes with machined wrench flats for ease of servicing.
- 12 Rod Wiper** - Heavy duty, nitrile preventing contaminants from entering cylinder.
- 13 WX Series Cross Tube End** - Durable steel cast end able to withstand continuous high loads.