



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.

WX Series

Cross Tube Hydraulic Cylinders
 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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Cross Tube Hydraulic Cylinders



- 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.