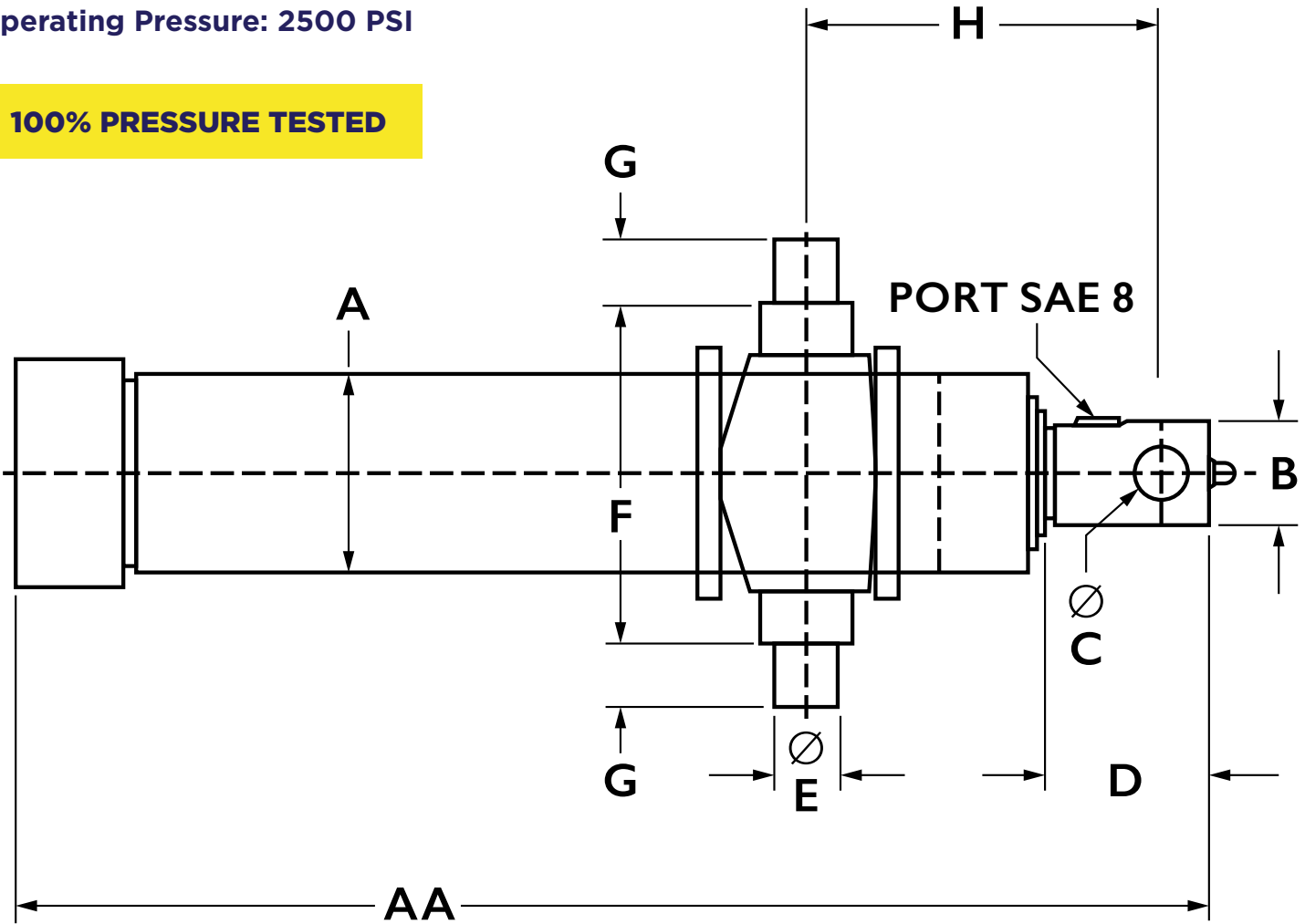


Operating Pressure: 2500 PSI

100% PRESSURE TESTED



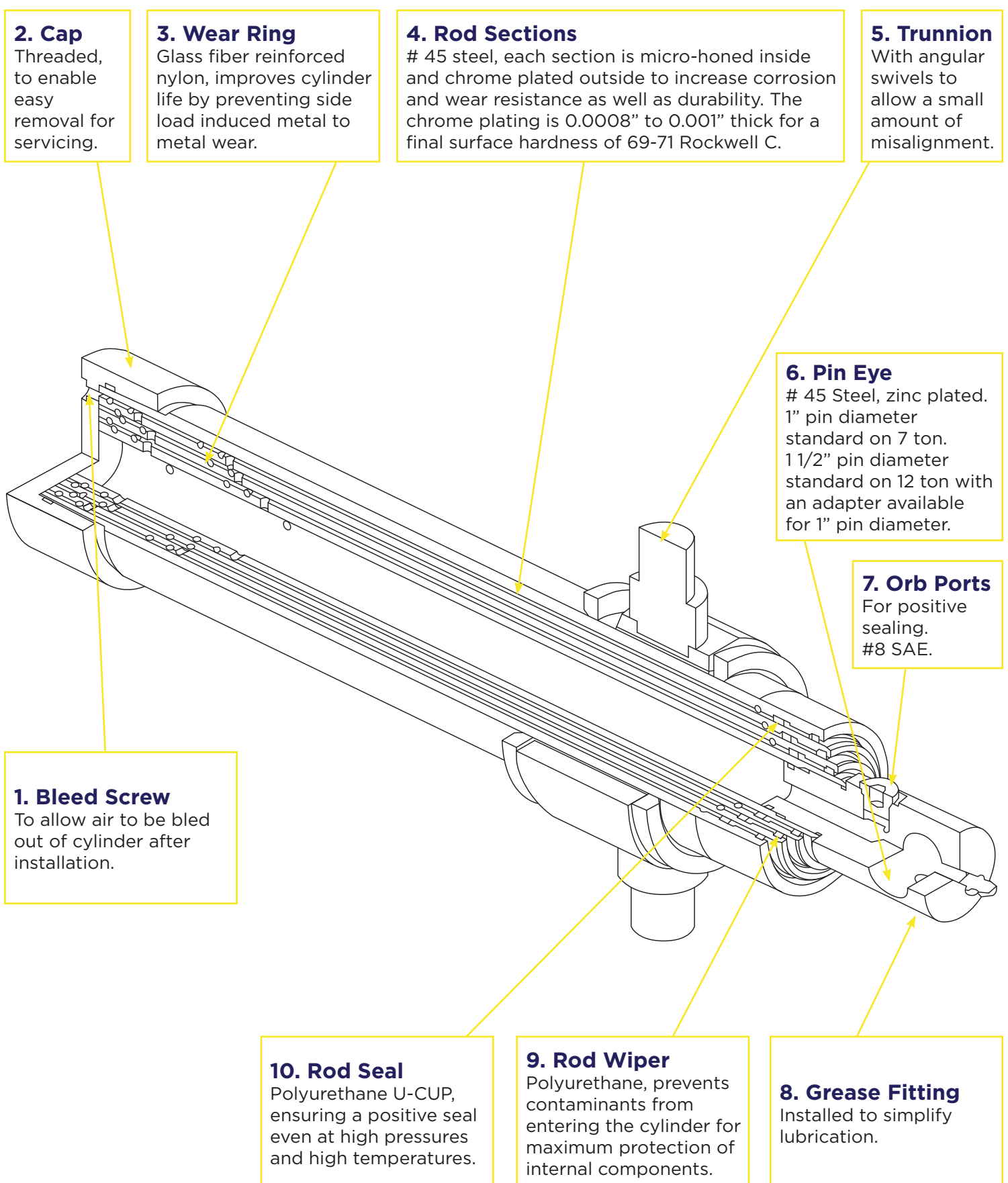
## ITC Cylinder Dimensions

7 TON SERIES — 1 3/4", 2 3/8" & 3" — 2000 PSI

MODEL	CAPACITY	STROKE	AA	A	B	Ø C	D	E	F	G	H	FLUID VOLUME (GAL)	WEIGHT (LB)
HYS 07-ITC-78-3-11	7 TON	78.00"	35.50"	3.74"	2.00"	1.00"	3.19"	1.25"	6.50"	1.25"	7.00"	1.6	81
HYS 07-ITC-90-3-11	7 TON	90.00"	39.50"	3.74"	2.00"	1.00"	3.19"	1.25"	6.50"	1.25"	7.00"	1.9	88
HYS 07-ITC-108-3-11	7 TON	108.00"	45.50"	3.74"	2.00"	1.00"	3.19"	1.25"	6.50"	1.25"	7.00"	2.2	104

12 TON SERIES — 2 3/8", 3" & 3 5/8" — 2300 PSI

MODEL	CAPACITY	STROKE	AA	A	B	Ø C	D	E	F	G	H	FLUID VOLUME (GAL)	WEIGHT (LB)
HYS12-ITC-078-3-11	12 TON	78.00"	34.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	2.5	106.00
HYS12-ITC-090-3-11	12 TON	90.00"	38.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	2.9	114.00
HYS12-ITC-108-3-11	12 TON	108.00"	44.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	3.5	132.00
HYS12-ITC-120-3-11	12 TON	120.00"	48.75"	4.43"	2.83"	1.00" & 1.50"	3.54"	1.50"	7.61"	1.43"	7.00"	3.8	143.00
HYS12-ITC-144-3-11	12 TON	144.00"	49.00"	4.43"	2.83"	1.00"	3.54"	1.50"	7.61"	1.43"	7.00"	4.5	160.00



**2. Cap**  
Threaded, to enable easy removal for servicing.

**3. Wear Ring**  
Glass fiber reinforced nylon, improves cylinder life by preventing side load induced metal to metal wear.

**4. Rod Sections**  
# 45 steel, each section is micro-honed inside and chrome plated outside to increase corrosion and wear resistance as well as durability. The chrome plating is 0.0008" to 0.001" thick for a final surface hardness of 69-71 Rockwell C.

**5. Trunnion**  
With angular swivels to allow a small amount of misalignment.

**6. Pin Eye**  
# 45 Steel, zinc plated. 1" pin diameter standard on 7 ton. 1 1/2" pin diameter standard on 12 ton with an adapter available for 1" pin diameter.

**7. Orb Ports**  
For positive sealing. #8 SAE.

**1. Bleed Screw**  
To allow air to be bled out of cylinder after installation.

**10. Rod Seal**  
Polyurethane U-CUP, ensuring a positive seal even at high pressures and high temperatures.

**9. Rod Wiper**  
Polyurethane, prevents contaminants from entering the cylinder for maximum protection of internal components.

**8. Grease Fitting**  
Installed to simplify lubrication.