



**ZEAL INTERNATIONAL** (An ISO 9001 Certified Company)

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## Air Cylinder JPI 5008

Standards:

Specification:

**TUBE:** 300 SERIES STAINLESS STEEL TUBING  
PRECISION HONED "I.D."

(16 MICRO OR BETTER) FOR SIZE AND  
ROUNDNESS WITH CROSS HATCH  
LUBRICANT

RETAINING PATTERN. POLISHED "O.D." TO  
A 32 MICRO OR BETTER FOR EASE OF  
CLEANING.



2) **FRONT HEAD:** 300 SERIES STAINLESS  
STEEL IS IDEAL FOR WASHDOWN  
APPLICATIONS. DESIGNED

SPECIFICALLY TO REDUCE POINTS OF  
CONTAMINATION.

3) **REAR HEAD:** 300 SERIES STAINLESS STEEL  
IS IDEAL FOR WASH-DOWN APPLICATIONS.  
DESIGNED

SPECIFICALLY TO REDUCE POINTS OF  
CONTAMINATION.

4) **PISTON ROD:** GROUND AND POLISHED 303  
OR 316 STAINLESS STEEL FOR MAXIMUM  
CORROSION

RESISTANCE.

5) **PISTON:** PRECISION MACHINED FROM 303  
STAINLESS STEEL FOR INTERNAL  
CORROSION RESISTANCE, THEY

ARE ASSEMBLED WITH “BLOCK-VEE” OR “U” CUP SEALS. A HEAVY-DUTY WEAR STRIP (BEARING) ON THE

PISTON MINIMIZES FRICTION AND SEAL WEAR, AND ON SIDE LOAD CONDITIONS PREVENTS

METAL-TO-METAL CONTACT.

6) **PIVOT BUSHING:** LONG LIFE REPLACEABLE PIVOT BUSHING

7) **HEAD SEALS:** NITRILE MATERIAL IS STANDARD. HIGH TEMPERATURE AND OTHER MATERIALS ARE AVAILABLE.

8) **ROD BEARING:** SNAP-IN BEARING CONSTRUCTION MATERIAL IS NYLON FOR EXTREMELY LOW FRICTION AND EXTENDED LIFE.

9) **LEATHER BACK-UP RING:** AIDS IN KEEPING ROD CLEAN “WR” TEFLON WIPER RING ALSO AVAILABLE.

10) **NITRILE ROD SEAL:** NITRILE MATERIAL IS STANDARD. HIGH TEMPERATURE AND OTHER MATERIALS ARE AVAILABLE.

11) **PISTON SEALS:** “BLOCK-VEE” OR “U CUP ARE PRESSURE ACTIVATED AND WEAR COMPENSATING. NITRILE MATERIAL IS STANDARD. HIGH TEMPERATURE AND OTHER MATERIALS ARE AVAILABLE.

12) **WEAR STRIP (BEARING):** MINIMIZES FRICTION AND SEAL WEAR. AND ON SIDE LOAD CONDITIONS PREVENTS METAL-TO-METAL CONTACT.

13) 8mm 3 PIN MALE CONNECTOR FOR USE

WITH STANDARD CORDSETS. DEGREE OF  
PROTECTION (IP67).