



A SERIES INSTALLATION, OPERATION, MAINTENANCE INSTRUCTIONS



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A SERIES

SIZE: 3/4" (DN20) - 5" (DN125)

ASSEMBLY INSTRUCTIONS:

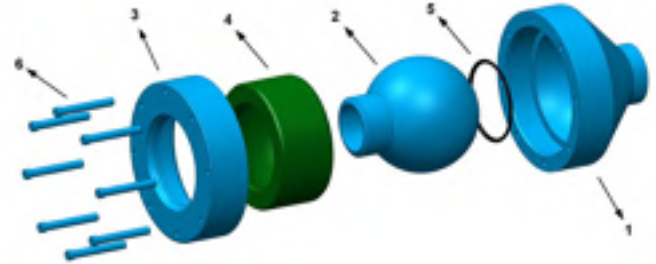
- 1.A Series ball joints are designed for articulated motion only. Do not use for continuous rotation.
- 2.A Series ball joints allow piping systems to move in 2 or more planes.
- 3.A Series ball joints allow piping system $\pm 15^\circ$ angular movement.
- 4.A Series swivel joints are assembled with different configuration of seals for different applications. For optimum seal performance according to your application, please consult factory.
- 5.A Series ball joints are supplied with weld end ends and flanged.
- 6.Weld end ball joints are manufacturing according to pressure class.
- 7.A Series ball joints are designed for max. 315 bar (4600psi).
- 8.A Series ball joints have max. 120°C / (250°F) temperature rating.

ASSEMBLY

- 1.Always assemble housing connection first.
- 2.Becareful not to apply force on the housing when assembling the ball joint to the system.
- 3.For weld end models; do not allow heat and fire on to the joint when assembling the ball joint to the system.
- 4.Check smooth rotation of the ball joint after assembly. If any eccentricity is seen, disassemble the joint and assemble it again.

MAINTENANCE

- 1.Unless otherwise stated, A Series ball joints do not need lubrication.
- 2.As sealing is assured between shaft/seal ring and o-ring/housing; when doing maintenance, seal ring must be changed and shaft must be assembled with a new o-ring.
- 3.If any leakage is seen, ball joint must be disassembled from the system and all worn out parts must be changed. Never use a leaking ball joint.



A SERIES SPARE PARTS LIST

1	A SERIES HOUSING	1
2	A SERIES SHAFT	1
3	A SERIES HOUSING FLANGE	1
4*	SEAL RING	1
5*	SEAL O-RING	1
6	BOLTS	X

* Spare parts set