Cap Seal Swivel Joints

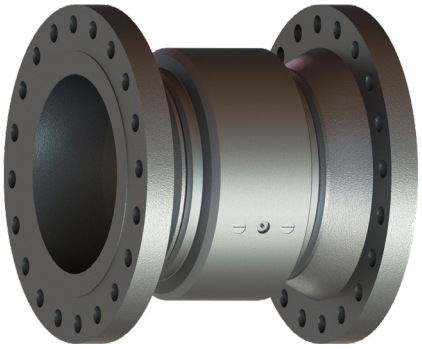
The Right Connection®

Applications
- Liquid media transfer lines in steel-making plants, floating roof drains, and floating suction systems

Sizes
- 14” – 24”

Features
- Pressure seal consists of a nitrile or FKM energizer with glass Moly filled PTFE outer cap seal allowing for a lower torque requirement to rotate
- Nitrile or FKM X-ring dust seal for additional reduction in required torque to rotate
- Triple ball-race design for 18” and larger
- Carbon steel cap seal swivel joints are constructed with hardened ball races for increase load capacities
- Available end connections include 150# and 300# flanges and weld ends. Contact Dixon® for more details

Materials
- Carbon steel and 316L stainless steel



Cap Seal Style 20

Cap Seal Style 30

Cap Seal Style 40

NOTE: Please see back of page for numbering system

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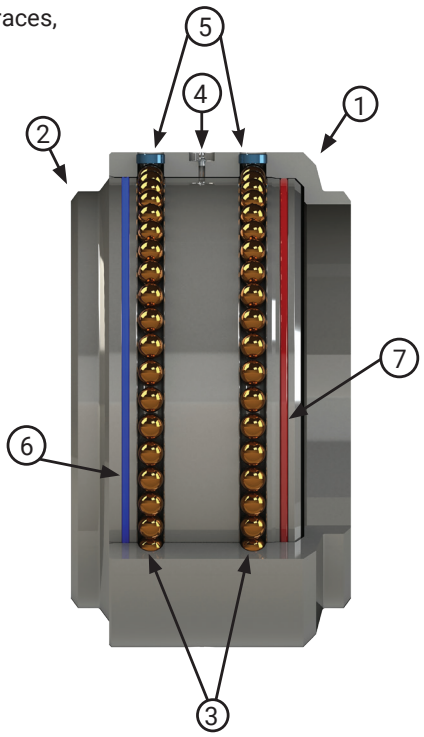
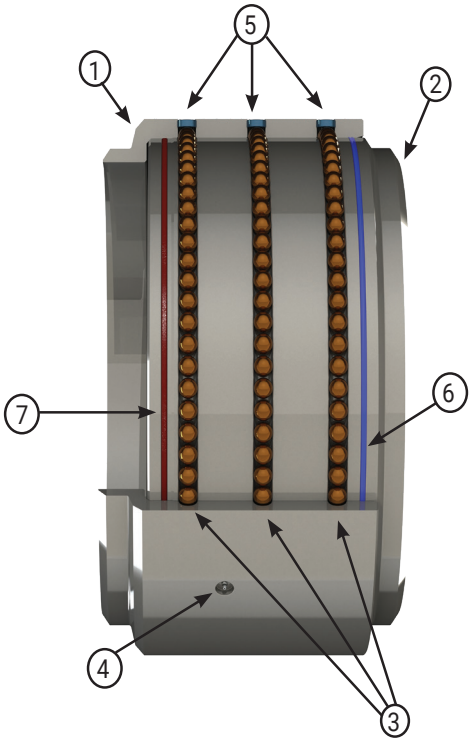
Bill of Materials

1. Body
2. Sleeve
3. Ball bearings (14" - 16" = 2 ball races, 18" - 24" = 3 ball races)
4. Grease fitting
5. Ball retainer screw
6. Dust seal (X-ring)
7. Pressure seal (cap seal)

14" - 16"



18" - 24"



Cap Seal Swivel Joint Numbering System

16	20	Flange	Flange	UC	0	0	0	0	0
Sizes Inches	**Style**	**End Connection**	**End Connection**	**Material**	**Pressure Seal**	**Dust Seal**	**Retainers**	**Ball Bearings**	**Grease**
14 = 14"	20	W (weld)	W (weld)	UC = Cap Seal Carbon Steel	0 = nitrile rubber	0 = nitrile rubber	0 = No retainer	0 = CS carbon steel	0 = lithium
16 = 16"	30	FG (150#)	FG (150#)	US = Cap Seal 316L Stainless Steel	1 = FKM	1 = FKM		1 = 440 stainless steel	1 = food grade
18 = 18"	40	PF (300#)	PF (300#)		5 = No seal	5 = No seal		2 = 316 stainless steel	2 = silicone
20 = 20"	50								3 = Tribolube
24 = 24"	60								4 = low temperature
	70								5 = no grease

NOTE:
- For other end connections or seal materials contact Dixon®.
- Standard issue grease fitting without ball check. Ask for ball check if required.
- Weld x Weld and Weld x Flange swivels are shipped unassembled and cannot be pressure tested at the factory.

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