# Cap Seal Swivel Joints

### 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<sup>®</sup> for more details

#### **Materials**

· Carbon steel and 316L stainless steel



NOTE: Please see back of page for numbering system



# **Dixon Specialty Products**

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#### **Bill of Materials**

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



# **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<sup>®</sup>.

• 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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