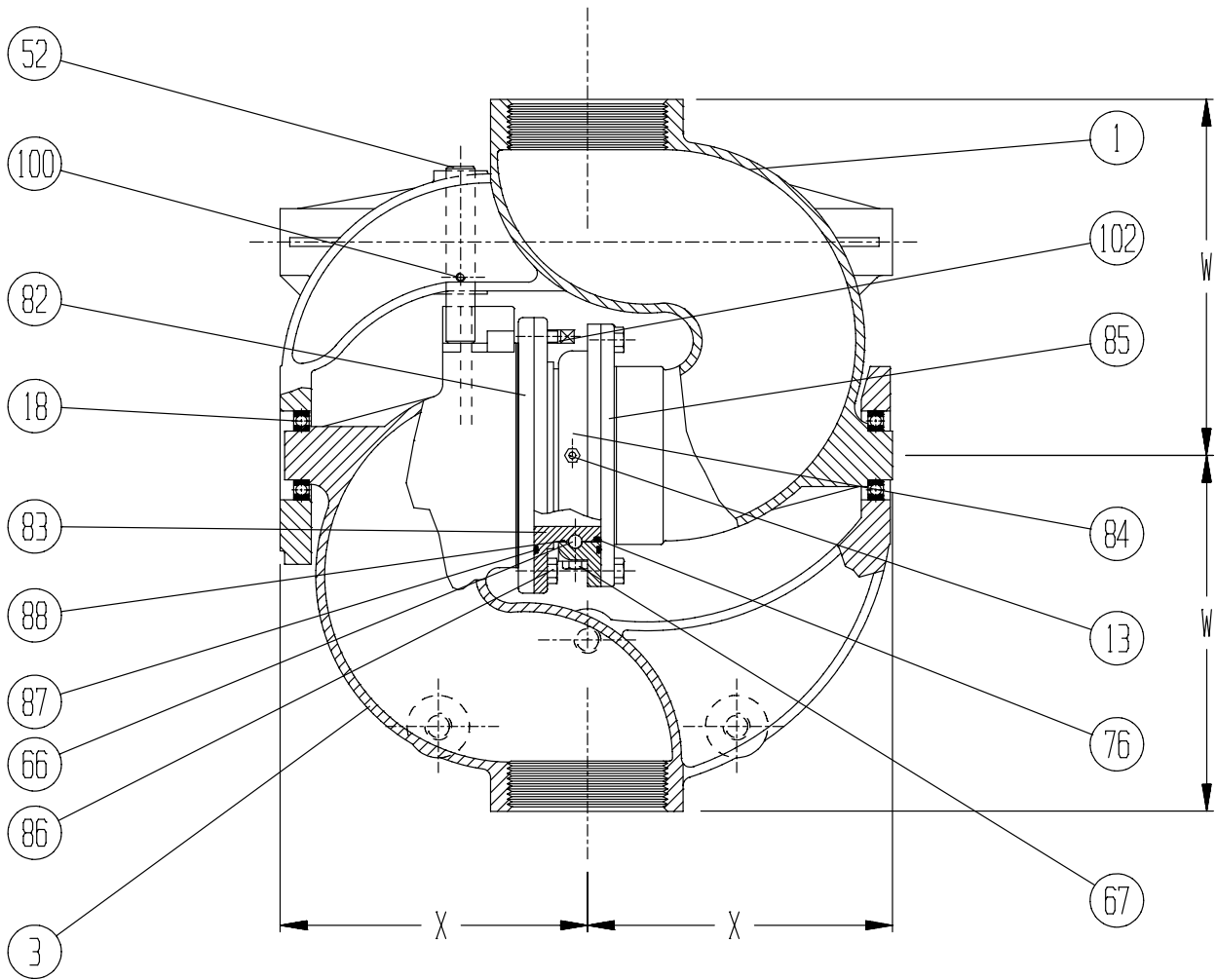




Swivel Joint No. 856 is specially designed for loading assemblies requiring a horizontal rotation of 280 degrees; heavily built and completely ball bearing fortified. This joint incorporates three sets of ball bearings; two for the radial load and the third for the thrust. Perfect alignment of these three bearings provides maximum packing life and smooth, easy vertical movement. The O-Ring seals work against polished surfaces to guard against leaking, corrosion and wear. **O-Ring seals are quickly replaced, without dismantling any connections,** by removing flange bolts, replacing seals and restoring bolts. Construction of the swivel joint is Ductile Iron. The connections at both ends are female NPT threads. Other end connections are available.



Size	W	X
3"	9.75	7.50
4"	10.00	8.75



Item	Description	Material	Qty.	Part Number	
				3"	4"
1	Elbow	Stainless Steel	1	EW856130S	EW856140S
3	Elbow	Stainless Steel	1	EW856330S	EW856340S
13	Grease Fitting	Alemite	1	EP8532	EP8532
18	Ball Bearing	Stainless Steel	2	EP8561840S	EP8561840S
52	Stop Pin	Stainless Steel	1	EP8565230S	EP8565240S
66	Ball Bearing	Stainless Steel	33/41	EP8566630S	EP8566640S
67	Retaining Screw	Stainless Steel	1	EP841030S	EP841030S
76	O-Ring	Teflon	1	EP8567630T	EP8567640T
82	Large Flange	Stainless Steel	1	EW8568230S	EW8568240S
83	Thimble	Stainless Steel	1	EW8568330S	EW8568340S
84	Sleeve	Stainless Steel	1	EW8568430S	EW8568440S
85	Small Flange	Stainless Steel	1	EW8568530S	EW8568540S
86	Cap Screw	Stainless Steel	8/12	EP8568640S	EP8568640S
87	O-Ring	Teflon	2	EP8568730T	EP8568740T
88	O-Ring	Buna N	1	EP8568830B	EP8568840B
100	Set Screw	Stainless Steel	1	EP85610040S	EP85610040S
102	Sq. Hd. Bolt	Stainless Steel	2	EP85610240S	EP85610240S

The Centerpiece Assembly is available as a spare part. It has Part Number E85630CPT for the 3" and E85640CPT for the 4" Swing Joint. It consists of items 13, 66, 67, 76, 83, 84, 87 and 88.

**TO REPLACE O-RING IN 856 SWING JOINT CENTERPIECE ASSEMBLY**

1. Remove screws 86 from flanges 83 and 85.
2. Tighten two square head set screws in part 84 until parts 84 and 85 are 1/8" apart.
3. While holding centerpiece assembly, loosen square head set screws to allow removal.
4. Remove assembly.
5. Replace seal 76. Dip new seal in light machine oil before installing.
6. Seals 87 are static seals and should not need replacing unless damaged. Grooves in flanges should be filled with grease to retain seal 87 when reassembling. (Note: Square head set screws are for spreading assembly only. Be sure that they do not project beyond the face of flange 84 when replacing packing assembly).
7. Place the assembly between flanges 82 and 85. Loosely insert screws 86. To ensure perfect alignment of the components, rotate the swing joint through its full range of travel a few times. This will center the assembly.
8. Tighten screws 86 in a diagonally opposed sequence on both flanges to evenly apply pressure to the seals until fully clamped in position, to ensure perfect alignment.