

# Style 63 Expansion Joints



For absorbing concentrated pipe movement

**NOTE:**  
See Page 2 for Style 63 ordering information

Dresser offers the broadest line of **Style 63 Expansion Joints** including single-end (Type 1 and Type 3 shown below), and double-end (Type 2 & 4), limited-movement types, flanged, lock coupled, or weld ends. Aggressive wear and pipe wall failure caused by fatigue of the convoluted surfaces present in rubber accordion or metal bellows types is eliminated with Dresser expansion joints. There is no need for expensive pipe loop systems.

Dresser expansion joints are built to order and are available up to 120" in diameter. Provided with rugged welded steel construction, the Style 63 is available in stainless or carbon steel, monel or other alloys for special applications. Single-end expansion joints permit up to 10" of concentrated pipe movement. Larger amounts of movement are available per application.

Materials of Construction	
<b>Body:</b>	AISI C1006, C1010, C1015, C1025 or ASTM A513 Carbon Steel
<b>Follower:</b>	AISI C1012, C1021, ASTM A20 or A36 Carbon Steel
<b>Slip Pipe:</b>	Chrome plated
<b>Tail Pipe:</b>	AISI C1006, C1010, C1015, C1025 or ASTM A513 Carbon Steel
<b>Bolts &amp; Nuts:</b>	ANSI/AWWA C111/ANSI A21.11
<b>Packing:</b>	Standard packing is alternate rings of Buna-S and lubricating split jute

Special packing and lubrication requirements are custom-matched to specific fluid processes or application requirements. Temperature ratings to 800°F and pressure ratings to 1200 psi.

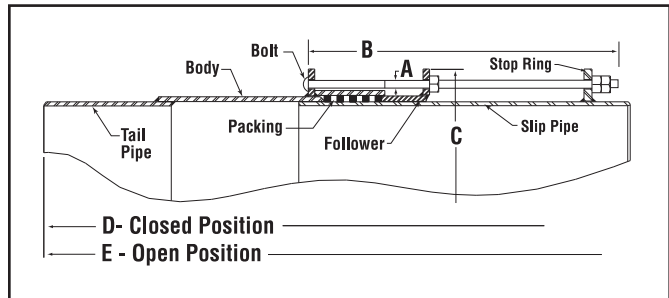
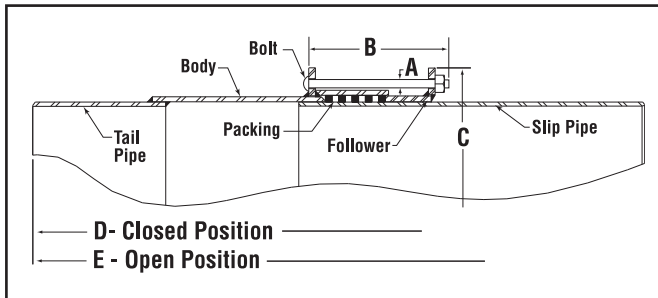
Available with Dresser AL-CLAD™ coating for optimum protection against aggressive water conditions and for handling brine, brackish water, coke oven gas, petroleum and other line content.

## Style 63 Type 1 Sizes and Specifications

Pipe Nominal Size (In)	Outside Diameter (OD)	Bolts No./Diam. x Length (A&B)	Overall Dimensions		Weight Per Joint (Lbs)
			Diam. (C)	Length (D) (E)	
3	3.500	4-5/8 x 11	8-1/2	CONSULT FACTORY PER ORDER	65
4	4.500	4-5/8 x 11	9-1/2		75
5	5.563	4-5/8 x 11	10-5/8		110
6	6.625	6-5/8 x 11	11-3/4		130
8	8.625	6-5/8 x 11	13-3/4		180
10	10.750	8-5/8 x 11	15-7/8		250
12	12.750	8-5/8 x 11	17-7/8		315
	14.000	8-5/8 x 11	19-1/2		340
	16.000	10-5/8 x 11	21-1/2	380	
	18.000	10-5/8 x 11	23-1/2	415	
	20.000	12-5/8 x 11	25-1/2	470	
	22.000	14-5/8 x 11	27-1/2	525	
	24.000	14-5/8 x 11	29-1/2	565	

## Style 63 Type 3 Sizes and Specifications

Pipe Nominal Size (In)	Outside Diameter (OD)	Bolts No./Diam. x Length (A&B)	Overall Dimensions		Weight Per Joint (Lbs)
			Diam. (C)	Length (D) (E)	
3	3.500	4-5/8 x 24	8-1/2	CONSULT FACTORY PER ORDER	80
4	4.500	4-5/8 x 24	9-1/2		90
5	5.563	4-5/8 x 24	10-5/8		125
6	6.625	6-5/8 x 24	11-3/4		155
8	8.625	6-5/8 x 24	13-3/4		205
10	10.750	8-5/8 x 24	15-7/8		285
12	12.750	8-5/8 x 24	17-7/8		350
	14.000	8-5/8 x 24	19-1/2		385
	16.000	10-5/8 x 24	21-1/2	430	
	18.000	10-5/8 x 24	23-1/2	470	
	20.000	12-5/8 x 24	25-1/2	530	
	22.000	14-5/8 x 24	27-1/2	590	
	24.000	14-5/8 x 24	29-1/2	635	



Type 1 is a single-end expansion joint permitting up to 10" of concentrated pipe movement. Standard packing consists of alternate layers of split resilient sealing rings and jute lubricating rings. Other packing for special conditions can be supplied.

Type 3 is a single-end expansion joint equipped with a limited movement feature to limit the maximum amount of pipe withdrawal. Slip pipes are regularly furnished for Type 3 expansion joints.