

## Style 63 Expansion Joints

### Absorbs concentrated pipe movement

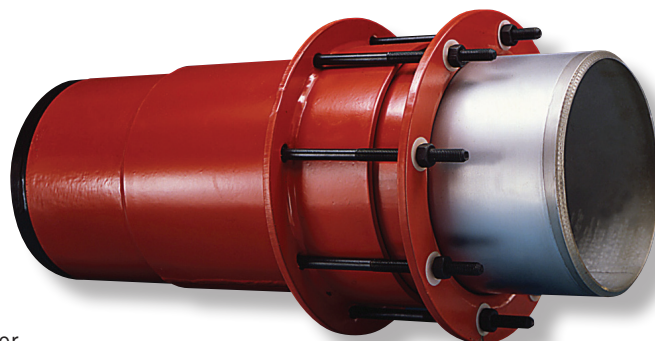
- Meets AWWA C221 Standards

Dresser® offers the broadest line of **Style 63 Expansion Joints** including single-end (Type 1 and Type 3) and double-end (Type 2 and 4) limited-movement types, in flanged, lock coupled, or weld end configurations. Dresser Expansion Joints are built to order and are available up to 120" in diameter. Provided with rugged welded steel construction, Style 63 Expansion Joints are also available in stainless or carbon steel, monel or other alloys for special applications.

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. Plus, there is no need for expensive pipe loop systems. Single-end expansion joints permit up to 10" of concentrated pipe movement. Larger amounts of movement are available per application.

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.



### When ordering or specifying Dresser Style 63 Expansion Joints...

Inquiries or orders for **Style 63 Expansion Joints** should contain the following information:

- (1) Quantity
- (2) Type of Pipe: ductile iron, steel, etc.
- (3) Style number, size and type;
- (4) Service: water, industrial, etc.
- (5) Maximum Working Pressure
- (6) Amount of movement to be absorbed of by each joint
- (7) Temperature limitations and ranges
- (8) Frequency of Cycling
- (9) End preparation of slip or tail pipe—flanged, beveled for welding (wall thickness), other
- (10) Remarks, unusual installations, and list support methods of line and joint

**NOTE:** The proper type of expansion joint to use and the method of anchoring and connecting it into the line depend upon the conditions of service and type of installation, as well as other joints in the line.

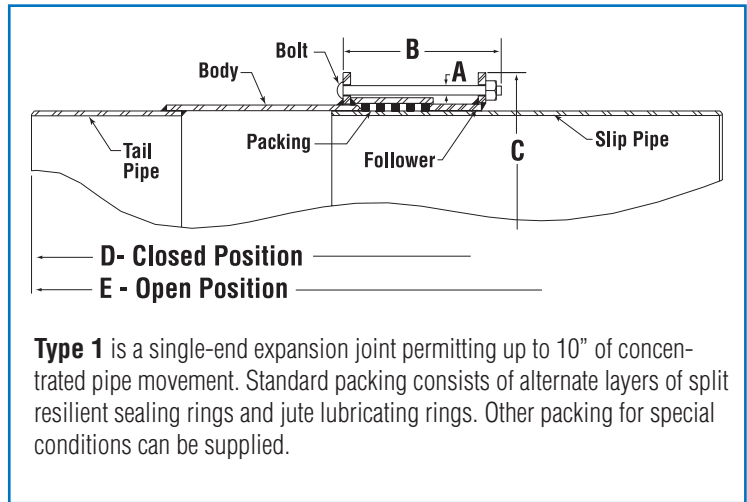
The most effective use of Style 63 expansion joints usually requires an engineering recommendation. For that reason, a complete description of the installation should be submitted, with sketches or working drawings, if possible. Special joints may also be made for unusual conditions.

# Style 63 Expansion Joint

## Specifications for Sizes 3" thru 24"

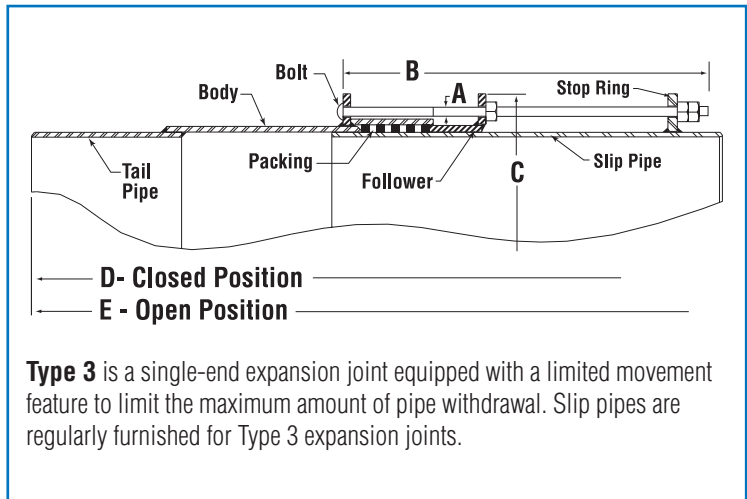
### Style 63 Type 1 Sizes and Specifications

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		95
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	



### Style 63 Material Specifications

**Body:** AISI C1006, C1010, C1015, C1025 or ASTM A513 Carbon Steel

**Follower:** AISI C1012, C1021, ASTM A20 or A36 Carbon Steel

**Slip Pipe:** Chrome plated

**Tail Pipe:** AISI C1006, C1010, C1015, C1025 or ASTM A513 Carbon Steel

**Bolts & Nuts:** ANSI/AWWA C111/ANSI A21.11

**Packing:** Standard packing is alternate rings of Buna-S and lubricating split jute

### Piping Specialties

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