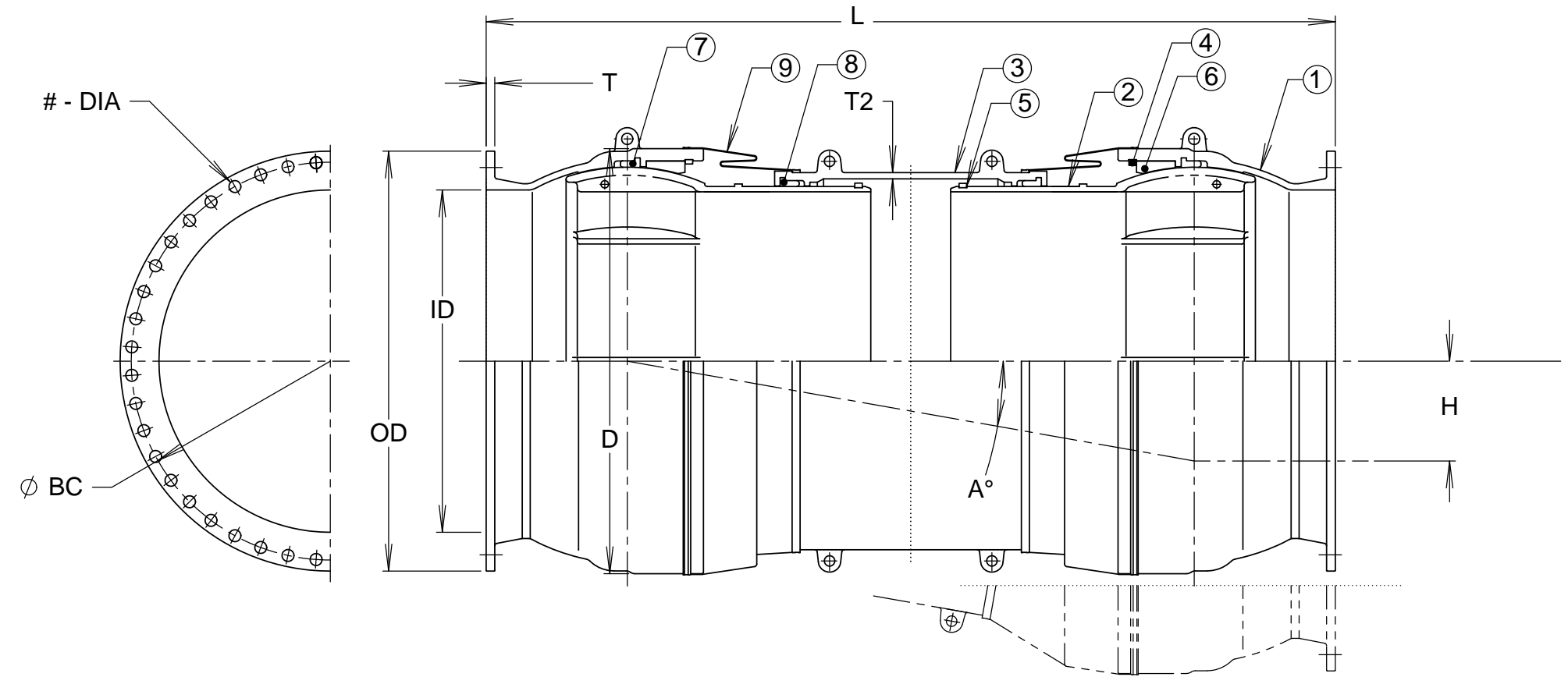


DIMENSIONS															
SIZE	D	H OFFSET	L	ANGLE A	EXPANSION / CONTRACTION	OD	BC	ID		T	T2	FLANGE BOLT HOLES		WORKING PRESSURE (PSI)	WGT (LBS)
								FLANGE	BALL SLEEVE			QTY	DIA		
48	60.6	11.8	108.3	±10°	+7.9 / -5.9	59.5	56.00	47.5	47.5	1.38	0.90	44	1.63	145	11,500
		15.7	129.9		+13.8 / -9.8										12,200
		19.7	152.4		+13.8 / -9.8										13,300

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	10/23/2003	DHE
1	ADDED 19.7" OFFSET	10/24/2007	DHE
2	19.7 OFFSET SIZE WAS +7.9/-5.9	10/29/2007	DHE
3	NAME WAS FLEXIJOINT, UPDATED FORMAT	1/23/2012	NST
4	CASING MTL WAS SBR, DIM H WAS 15.8, DIM T WAS 1.37, WEIGHT WAS 12100	12/30/2012	JJM
5	BALLOON 5 WAS MISSING	10/25/2022	JJM
6	UPDATED NOTES AND ID TO MATCH PRODUCTION, ADDED PRESSURE RATING	10/16/2023	JJM
7	ADDED SLEEVE ID. UPDATED PRESSURE RATING. UPDATED ROUNDING	6/14/2024	JJM



PART NO.	QTY.	NAME	MATERIAL
1	2	CASING	DUCTILE IRON
2	2	BALL SLEEVE	DUCTILE IRON
3	1	SLEEVE	DUCTILE IRON
4	2	LOCKRING	DUCTILE IRON
5	2	LOCKRING	DUCTILE IRON
6	2	CASING PIECE	DUCTILE IRON
7	2	RUBBER RING	SBR
8	2	RUBBER RING	SBR
9	2	CASING COVER	CR

- NOTES:
- COATING APPLIED TO ALL DUCTILE IRON COMPONENTS.
 - SYNTHETIC RESIN COATING PER JWWA K 139 FOR EXTERIOR SURFACES.
 - EPOXY COATING PER JWWA G 112 FOR SURFACES TOUCHING THE WATER
 - EPOXY COATING JWWA K 157 FOR A PORTION OF THE SLEEVE LOCKRING
 - FLANGE COMPATIBLE WITH ANSI B16.1 CLS 125, ANSI B16.47 CLS 150 SERIES A, AWWA C207 CLS D & E BOLT CIRCLES
 - END THRUST MUST BE ACCOMMODATED IN DESIGN OF THE PIPING SYSTEMS. CONNECTING PIPES NEED TO BE RESTRAINED TO PREVENT EXPANSION UNDER PRESSURE.

<p>PROPRIETARY NOTICE</p> <p>THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND IS THE PROPERTY OF ROMAC IND., INC. IT IS TO BE USED ONLY FOR THE PURPOSE FOR WHICH IS WAS SUBMITTED AND SHALL NOT HAVE ITS INFORMATION DISCLOSED OR REPRODUCED IN WHOLE OR IN PART FOR ANY PURPOSE WITHOUT PRIOR WRITTEN PERMISSION OF ROMAC IND., INC.</p>	<p>UNLESS OTHERWISE SPECIFIED</p> <p>DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES ARE ON:</p> <p>1 PL DECIMALS ±</p> <p>2 PL DECIMALS ±</p> <p>3 PL DECIMALS ±</p> <p>ANGLES ±</p> <p>FRACTIONS ±</p>	<p>SIGNATURES</p> <p>DRAWN DEL EATON 10/23/03</p> <p>CHECKED <i>[Signature]</i> 7/9/2023</p> <p>APPROVAL ORGANIZATIONS PROP.CUST.APP. ORG.</p>		<p>ROMAC INDUSTRIES INC., BOTHELL, WA</p> <p>TITLE FJ-RESTRAINT 48", DOUBLE BALL, FLANGED</p>	
<p>DWG. NO. B2295-B</p>		<p>SIZE B</p>	<p>REV. NO. 7</p>	<p>SCALE NTS</p>	<p>SHEET 1 OF 1</p>