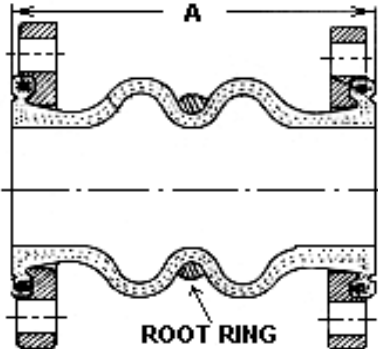


MDC MODEL 102 DOUBLE SPHERE MOLDED RUBBER EXPANSION JOINTS



MATERIALS OF CONSTRUCTION	
FLANGES (150# drilled)	Carbon Steel - Zinc Plated
REINFORCING WIRE	Mild Steel
TUBE & COVER	Synthetic Rubber
REINFORCING CORD	Synthetic Rubber
ROOT RING	Carbon Steel

FEATURES:

- * Applicable for suction and discharge.
- * Designed for thermal expansion and sound + vibration isolation.
- * Gaskets and packing are not required.
- * Floating flanges allow for easy installation.
- * Capable of absorbing greater movements than the single sphere joint.
- * Good electrical insulator.
- * Absorbs water pulsation and minimizes water hammering.

QTY	MDC P/N	SIZE (IN.)	FACE TO FACE "A" (IN.)	AXIAL COMP (IN.)	AXIAL EXT (IN.)	LATERAL +/- (IN.)	ANGULAR +/- DEG	PRESS. THRUST AREA	WEIGHT (LBS.)
	1.50"-102	1-1/2"	7"	1"	3/4"	1"	30	6.5	7
	2.00"-102	2"	7"	1"	3/4"	1"	30	7.1	9
	2.50"-102	2-1/2"	7"	1"	3/4"	1"	30	11.1	13
	3.00"-102	3"	7"	1"	3/4"	1"	30	13.4	14
	4.00"-102	4"	9"	1-3/8"	1"	1-1/4"	30	22.7	20
	5.00"-102	5"	9"	1-3/8"	1"	1-1/4"	30	30.0	25
	6.00"-102	6"	9"	1-3/8"	1"	1-1/4"	30	41.3	30
	8.00"-102	8"	13"	1-3/4"	1"	1-1/2"	30	63.6	44
	10.00"-102	10"	13"	1-3/4"	1"	1-1/2"	30	103.9	64
	12.00"-102	12"	13"	1-3/4"	1"	1-1/2"	30	137.9	95
	14.00"-102	14"	13-3/4"	1-3/4"	1-1/4"	1-1/2"	20	182.7	135
	16.00"-102	16"	13-3/4"	1-3/4"	1-1/4"	1-1/2"	20	240.5	175
	18.00"-102	18"	13-3/4"	1-3/4"	1-1/4"	1-1/2"	20	298.7	180
	20.00"-102	20"	13-3/4"	1-3/4"	1-1/4"	1-1/2"	20	363.1	185
	24.00"-102	24"	13-3/4"	1-3/4"	1-1/4"	1-1/2"	20	510.7	295

OPERATING CONDITIONS:

SIZE RANGE	1-1/2" - 12"	14" - 24"
Operating Pressure	214 psig	114 psig
Operating Temperature Range	-65 to 230 deg F (Neoprene)	
	-65 to 300 deg F (EPDM)	
Vacuum Range	26"Hg	
Burst Pressure	850 psig	340 psig

INSTALLATION TOLERANCES:

Compression: 1/4"
 Extension: 1/8"
 Lateral: 5/16"
 Angular: 10 deg.
 Not intended for torsion.

NOTES:

- * Warning: Do not extend rubber expansion joints when installed in vacuum (suction) applications
- * To determine Pressure Thrust Force (lbs.), multiply Pressure Thrust Area (in.sq.) by system operating pressure.
- * Control Units must be used in systems where proper guiding and anchoring might not be possible or verifiable

APPLICATIONS:

- * Pressure piping in building equipment and general industrial plants
- * Pump & turbine lines in power gen. plants, ind. machinery, pump blowers.
- * Feed water & drainage lines for waterworks & sanitary piping systems.
- * Oil pipelines for industrial plants and shipbuilding yards

ARE CONTROL UNITS REQUIRED ?

YES		2, 3 or 4-rod Control Units may be specified.
NO		

Contact factory for recommendations.

CUSTOMER (COMPANY)	
CUSTOMER (INDIVIDUAL)	
CUSTOMER TEL / FAX	
PROJECT	
ENGINEERING COMPANY	
CUSTOMER REFERENCE	
MDC REFERENCE	
MDC DWG. NO.	20702
	2008-01-03
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