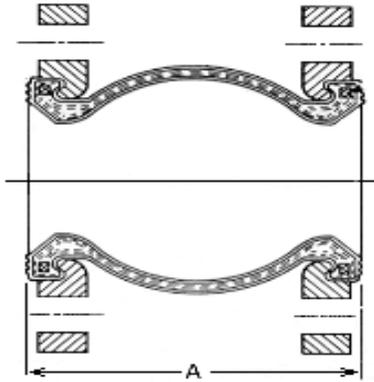


# MDC MODEL 101-L SINGLE SPHERE STYLE MOLDED RUBBER EXPANSION JOINTS



MATERIALS OF CONSTRUCTION	
FLANGES (150 LBS)	Carbon Steel - Zinc Plated
REINFORCING WIRE	Mild Steel
TUBE	Synthetic Rubber
COVER	Synthetic Rubber
REINFORCING CORD	Synthetic Fiber

#### FEATURES:

- \* Applicable for suction and discharge.
- \* Provides sound and vibration isolation.
- \* Gaskets and packing are not required.
- \* Floating flanges allow for easy installation.
- \* Prevents piping system and equipment breakdown by absorbing elongation and contraction caused by temperature variances.
- \* Absorbs water pulsation and minimizes water hammering.
- \* **Sizes 1" through 12" furnished with threaded holes.**

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.)
	1.00"-101-L	1"	3-3/4"	1/4"	3/32"	1/4"	15	5.0	5
	1.25"-101-L	1-1/4"	3-3/4"	1/4"	3/32"	1/4"	15	6.0	6
	1.50"-101-L	1-1/2"	3-3/4"	1/4"	3/32"	1/4"	15	7.0	7
	2.00"-101-L	2"	4-1/8"	3/8"	1/4"	3/8"	15	8.0	8
	2.50"-101-L	2-1/2"	4-1/2"	1/2"	1/4"	3/8"	15	11.1	13
	3.00"-101-L	3"	5-1/8"	1/2"	1/4"	3/8"	15	13.4	14
	4.00"-101-L	4"	5-3/8"	3/4"	3/8"	1/2"	15	22.7	18
	5.00"-101-L	5"	6-3/4"	3/4"	3/8"	1/2"	15	30.0	23
	6.00"-101-L	6"	7-1/8"	3/4"	3/8"	1/2"	15	41.3	28
	8.00"-101-L	8"	8-1/8"	1"	1/2"	7/8"	15	63.6	40
	10.00"-101-L	10"	9-3/8"	1"	1/2"	7/8"	15	103.9	68
	12.00"-101-L	12"	10-1/4"	1"	1/2"	7/8"	15	137.9	94
	14.00"-101-L	14"	10-1/2"	1"	5/8"	7/8"	15	182.7	105
	16.00"-101-L	16"	10-1/2"	1"	5/8"	7/8"	15	240.5	120
	18.00"-101-L	18"	10-1/2"	1"	5/8"	7/8"	15	298.7	125
	20.00"-101-L	20"	10-1/2"	1"	5/8"	7/8"	15	363.1	145
	24.00"-101-L	24"	10-1/2"	1"	5/8"	7/8"	15	510.7	265

#### OPERATING CONDITIONS:

SIZE RANGE	1" - 12"	14" - 24"
Operating Pressure	225 psig	125 psig
Operating Temp. Range	-20 to 225 deg F (Neoprene)	
	-20 to 240 deg F (EPDM)	
Vacuum Range	26"Hg	
Burst Pressure	850 psig	340 psig

#### INSTALLATION TOLERANCES:

Compression:	3/16"
Extension:	1/8"
Lateral:	1/4"
Angular:	5 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:

- \* Pumps and air compressors in A/C and sanitary equipment.
- \* Refrigeration systems and blowers in industrial plant equipment.
- \* Feed-water and drainage equipment in marine piping systems.
- \* Applicable for use in power generation and chemical plants.
- \* Oil transfer systems (Neoprene only).

#### ARE CONTROL UNITS REQUIRED ?

YES		2, 3 or 4-rod Control Units
NO		may be specified.
Contact factory for recommendations.		

CUSTOMER (COMPANY)	
CUSTOMER (INDIVIDUAL)	
CUSTOMER TEL / FAX	
PROJECT	
ENGINEERING COMPANY	
CUSTOMER REFERENCE	
MDC REFERENCE	
MDC DWG. NO.	20905
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