



Prestomac SAE Encapsulated Cartridges

MATERIALS OF CONSTRUCTION	
CARTRIDGE:	BRASS
TUBE SUPPORT:	BRASS
O-RING:	BUNA N

NOMENCLATURE	
EXAMPLE: PMTCE-4	ATTRIBUTE:
PMTCE	PRESTO SAE CARTRIDGE
4	1/4 TUBE SIZE

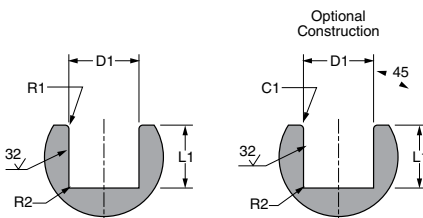
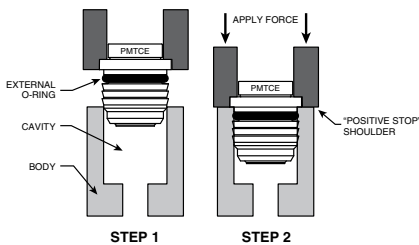
PRESSURE AND TEMPERATURE RANGE	
PRESSURE RANGE:	UP TO 250 PSI
TEMPERATURE RANGES:	-40° TO +200°F



The SAE Encapsulated cartridge allows the user to eliminate the space and labor required to install and assemble a conventional pipe thread fitting connection. The cartridge is retained in the cavity by 3 barbs versus the normal 2 barbs for better performance over a wider diameter tolerance range.

Cavity Specifications

Dimensions are per the proposed SAE Standard J2494-4. The SAE Encapsulated Cartridge is thoroughly tested to meet or exceed the performance requirements of D.O.T. FMVSS 571.106 and SAE J2231 and the proposed dimensional standards of SAE J2494-4 in 6061-T6 aluminum. Cavity dimensions specified by SAE J2494-4 need to be adjusted slightly for optimum performance in material other than 6061-T6.



Installation

Apply force evenly over the top surface of the cartridge body until the cartridge shoulder bottoms out on the top of the cavity. The amount of force required will vary depending on the cartridge size and the material of the cavity.

NOMINAL TUBE OD (IN)	D1 (MM) ±.05	D1 (IN) ±.002	L1 (MM) MIN	L1 (IN) MIN	R1 (MM) ±.05	R1 (IN) ±.002	R2 (MM) ±.05	R2 (IN) ±.002	C1 (MM) ±.05	C1 (IN) ±.002
5/32	8.8	0.346	11.4	0.45	0.5	0.02	0.5	0.02	0.5	0.02
1/4	12.8	0.504	12.7	0.5	0.5	0.02	0.5	0.02	0.5	0.02
3/8	16.5	0.65	16.5	0.65	0.5	0.02	0.5	0.02	0.5	0.02
1/2	19.7	0.775	19.8	0.78	0.5	0.02	0.5	0.02	0.5	0.02
5/8	23.5	0.925	22.4	0.88	0.8	0.03	0.5	0.02	0.8	0.03
3/4	27.1	1.067	23.9	0.94	0.8	0.03	0.5	0.02	0.8	0.03

Cavity material is to be 6061 T6 aluminum



Prestomatic SAE Encapsulated Cartridge PMCE/PMTCE

PART NO.	TUBE SIZE	CAVITY SIZE ±.002	L	M	O.D.	FLOW DIA. D
PMTCE-4	1/4	.504	.64	.44	.56	.140
PMTCE-4-8	1/4	.775	.66	.42	.87	.140
PMTCE-6	3/8	.650	.84	.64	.75	.217
PMTCE-6-8	3/8	.775	.84	.64	.87	.217
PMTCE-8	1/2	.775	.98	.77	.87	.338
PMTCE-10	5/8	.925	1.07	.86	1.00	.398

