

MECHANICAL SHAFT SEALS BY MUNRO

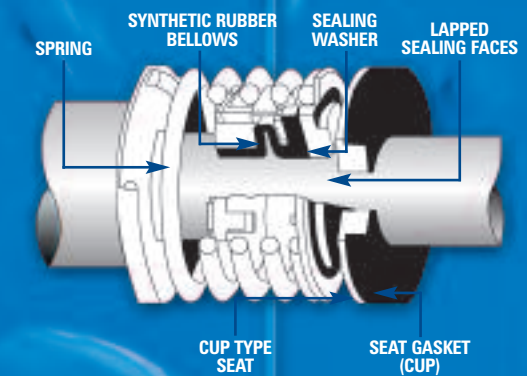
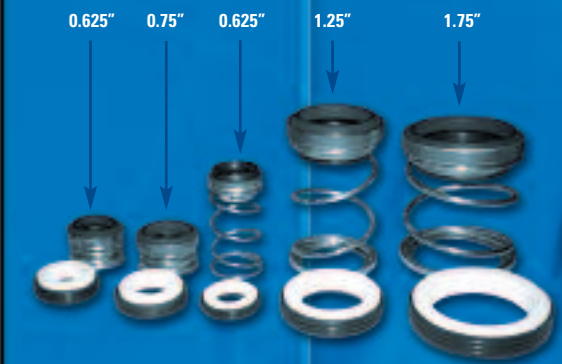


MATERIALS CHART

Elastomers	B=Buna V=Viton	Seat	J=Ceramic L=Silicon Carbide
Washer	C=Carbon L=Silicon Carbide	Spring	F=Stainless Steel
Metal Parts	F=Stainless Steel		

Part Number	Shaft Size	Seal Head		Seal Seat	
		Outside Diameter	Operating Height	Outside Diameter	Thickness
MMSS100	0.625	1.218	0.718	1.187	0.343
MMSS100T	0.625	1.218	0.718	1.187	0.343
MMSS200	0.625	1.218	0.718	1.25	0.406
MMSS200T	0.625	1.218	0.718	1.25	0.406
MMSS359	0.625	1.062	0.875	1.25	0.406
MMSS359T	0.625	1.062	0.875	1.25	0.406
MMSS800	0.625	1.062	0.812	1.156	0.312
MMSS800T	0.625	1.062	0.812	1.156	0.312
MMSS201	0.75	1.343	0.718	1.375	0.406
MMSS201T	0.75	1.343	0.718	1.375	0.406
MMSS358	0.75	1.187	0.875	1.375	0.406
MMSS358T	0.75	1.187	0.875	1.375	0.406
MMSS601	0.75	1.575	0.615	1.375	0.406
MMSS601T	0.75	1.575	0.615	1.375	0.406
MMSS185	1.25	1.937	1.062	1.875	0.437
MMSS185T	1.25	1.937	1.062	1.875	0.437
MMSS361	1.25	1.812	1.625	1.875	0.437
MMSS361T	1.25	1.812	1.625	1.875	0.437
MMSS205	1.75	2.375	2	2.5	0.5
MMSS205T	1.75	2.375	2	2.5	0.5
MMSS446	1.75	2.625	1.375	2.5	0.5
MMSS446T	1.75	2.625	1.375	2.5	0.5

For Silicon Carbide add the letter "T" for "Tough" to standard seal number



Replacement seals for most popular pump brands such as; Munro, Berkeley, Sta-Rite, Hypro, Goulds, Monarch, Ace, F&W, Jacuzzi, Myers; including pool pumps, irrigation pumps, water system pumps, and industrial pumps.

CERAMIC
MECHANICAL SHAFT SEALS

SILICON-TOUGH
MECHANICAL SHAFT SEALS

SEAL FEATURES

Positively driven mechanical seals provide absolute sealing, resulting in less pumping losses. No rubbing friction between shaft and seal parts - adds valuable power savings due to less horsepower consumption.

MECHANICAL SHAFT SEALS

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CERAMIC VS. SILICON CARBIDE

Mechanical shaft seals work by having one stationary part connected to the pump housing and one rotating part that moves with the shaft. This seal design has been popular since the 1950's because no routine maintenance is required until the time of failure. Most failures are caused by dirty water or thermal shock.

The majority of water pump seals are unbalanced single springs, with carbon/ceramic sealing faces, stainless steel metal parts, and elastomer bellows. All of the sealing action occurs between the ceramic and the carbon faces.

Ceramics are very economical, can be very hard (HRA 70), and can be almost chemically inert. However, ceramics have little ability to deal with thermal shock. When a pump runs without enough water, or in some cases when it has no flow, high heat can be created causing thermal shock - damaging the seal.

Carbon or synthetic carbon is a very soft material. Because it is soft, a particulate-laced fluid (dirty water) can also result in a damaged seal.

Silicon Carbide, while not as economical as ceramic or carbon, is much harder (HRA 91) and has excellent corrosion resistance. The real benefits of Silicon Carbide are low thermal expansion, high thermal conductivity, and a lower friction coefficient. A Silicon Carbide seal will run dry ten times longer and deal with abrasion six times longer than a standard seal. The end product is a more forgiving, and therefore longer-lasting, sealing system.



MECHANICAL SHAFT SEALS BY MUNRO

Munro Mechanical Shaft Seals are engineered to reduce maintenance and designed to provide a longer service life. Positively-driven mechanical seals provide absolute sealing resulting in less pumping losses. No rubbing friction between shaft and seal parts adds up to valuable power savings due to less horsepower consumption. Munro offers a comprehensive line of quality seals for O.E.M. applications and maintenance repair operation (M.R.O) replacements.



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