





IMPORTANT REMINDER



Selecting the proper insert material is just as important as selecting the correct type and size of jaw coupling because of the role they play in the performance and maintenance of the product.

ELEMENT CHARACTERISTICS

Properties	Temperature Range	Misalignment		Shore Hardness	Dampening Capacity	Chemical Resistance	Colour
		Angular Degree	Parallel Inch				
<p>NBR (Rubber) Nitrile Butadiene Rubber is an elastomeric element that is oil resistant with the resilience and elasticity of natural rubber.</p> <p>Most economical and widely-used element.</p>	<p>-40° to +212° F</p> <p>-40° to +100° C</p>	1°	.015	80A	HIGH	GOOD	<p>BLACK</p> 
<p>Urethane -- Urethane has 1.5 more torque capability than NBR, provides less dampening effect and has good resistance to oil and chemicals.</p> <p>Not recommended for cyclic or start-stop applications.</p>	<p>-30° to +160° F</p> <p>-34° to +71° C</p>	1°	.015	<p>55D</p> <p>L050-L110</p> <p>90-95A</p> <p>L150-L225</p>	LOW	VERY GOOD	<p>ORANGE</p> 
<p>Hytrel -- Hytrel is a pliant elastomer suited to high torque / temperature operations. Notable resistance to oil and chemicals</p> <p>Not recommended for cyclic or start-stop applications.</p>	<p>-60° to +250° F</p> <p>-51° to 121° C</p>	1/2°	.015	55D	LOW	EXCELLENT	<p>BEIGE</p> 
<p>Bronze -- Bronze is a metal insert designed exclusively for slow speed operations that require high torque. (Maximum 250 RPM)</p> <p>Resistant to extreme environments (temperature, water, oil, dirt).</p>	<p>-40° to +450° F</p> <p>-40° to +232° C</p>	1/2°	.010	--	NIL	EXCELLENT	<p>GOLD</p> 

Jaw Couplings Advantages

Jaw design is considered “fail-safe” - if the insert element wears/breaks away, the coupling continues to operate until insert can be conveniently replaced.

Simple design means easy installation, removal and visual inspection. Also offers lighter weight and lower cost vs. torque capacity.

Insert Choice

The choice of the insert element can make a significant difference in the couplings’s performance with regards to vibration, temperature, chemicals, misalignment, high rpm, space limitations and installation/removal.

Maintenance Tips

Through manual inspection, avoid allowing the jaw tips to come into contact; a noisy, grinding operation will result. Do not hesitate to replace the insert if signs of wear are evident.

Do not over-estimate service factors when choosing the coupling / insert. This increases costs unnecessarily and can cause damage elsewhere in the drive. Due to the variety of inserts available, careful selection will result in efficient, long-lasting operations.