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Threaded Products | Fasteners & Gaskets | Precision Machining



MATERIALS

PERFORMANCE THAT COUNTS.

Gasket Material

The gasket material should be selected to suit the service environment. The gasket material should be softer than the flanges in which the gasket is installed. The most popular ring joint materials with maximum hardness and identification mark are shown in the table below. For more highly specialized applications, ring joint gaskets can be machined from duplex stainless steels and other exotic materials such as Monel®, Inconel®, Incoloy® and Hastelloy®.



Hardness requirements and identification marks for ring gaskets

Material	Maximum Hardness HRB	Mark
Soft Iron	56	D-4
Carbon and low alloy steel	68	S-4
304 stainless steel	83	S304-4
316 stainless steel	83	S316-4
Nickel alloy UNS N08825	92	825-4
Other CRA materials	*A	UNS number-4

*A: hardness shall meet manufacturer's written specification

WE PERFORM SO YOU CAN PERFORM.