

## Mechanical Seal, Table of Materials

Material Designations acc. to DIN EN 12756 ( and ASTM)



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Places 1 and 2		Place 3		Places 4 and 5	
DIN EN 12756	Rotating and Fixed parts	DIN EN 12756	Elastomers, gaskets, bellows	DIN EN 12756	Springs and other components
	<u>CARBON with various contents</u>		<u>ELASTOMERS</u>		<u>METALS CrNiMo [ G ]</u>
A	Carbon, metal impregnated	[ E ]	EP rubber (EPR)	G1	CrNiMo steel 1.4571 (316 Ti)
[ B ]	Carbon, resin impregnated	[ P ]	Nitrile rubber (NBR)	G5	CrNiMo steel 1.4539 (904L)
[ C ]	Carbon, glass impregnated, like Z type	S	Silicone rubber (MVQ)	G6	CrNiMo steel 1.4435 (316L)
		[ V ]	Fluorine rubber (FPM)	H	Metal carbide coated
		M1	Fluoroelastomers, PTFE coated, FEP	K	Hard metal coated, corrosion resistant (heavy coating against wear)
	<u>Metal CARBIDES</u>		<u>NON - ELASTOMERS</u>		<u>High-degree nickel ALLOYS</u>
[ Q1 ]	Silicon carbide, SIC	G	Pure graphite	M1	Hastelloy B2 2.4617
Q2	Silicon carbide, twin, Si-SiC	[ T ]	PTFE, Teflon(R)	M2	Hastelloy C4 2.4610
U1	Tungsten carbide, cobalt-bonded				
U2	Tungsten carbide, nickel-bonded	Y (F)	Gaskets asbestos free like AFM	N1	<u>BRONZE &amp; zinc free materials</u>
	<u>CERAMICS</u>			T1	<u>TITANIUM</u> 3.7035
[ V ]	Al-Oxide 100% (Allumine)				

La tabella dei materiali per tenute mecc. comprende le facce di scivolo (1 e 2), gli elastomeri / guarnizioni (3) e le armature (4 e 5).

Nelle facce di scivolo ci sono CARBONI, CARBURI tipo Carburo di Tungsteno o Widia ( WC ) e le CERAMICHE.

Le guarnizioni possono essere ELASTOMERI e NON ELASTOMERI.

Le parti metalliche possono essere METALLI (PURI) o LEGHE.

The table of materials for mech seals includes the faces of sliding (1 and 2), elastomers / gaskets (3) and the hardware (4 and 5)

In the sliding faces there are CARBONS, CARBIDES like Tungsten Carbide or Widia ( WC ) and the CERAMICS.

Gaskets can be ELASTOMERS and NOT ELASTOMERS.

The metallics parts can be (PURE) METALS or ALLOYS.

EXAMPLE. Q1Q1VGG =SIC / SIC ( Pos. 1-2 ) - FPM ( Pos. 3 ) - 304SS / 304SS ( Pos. 4-5 )

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