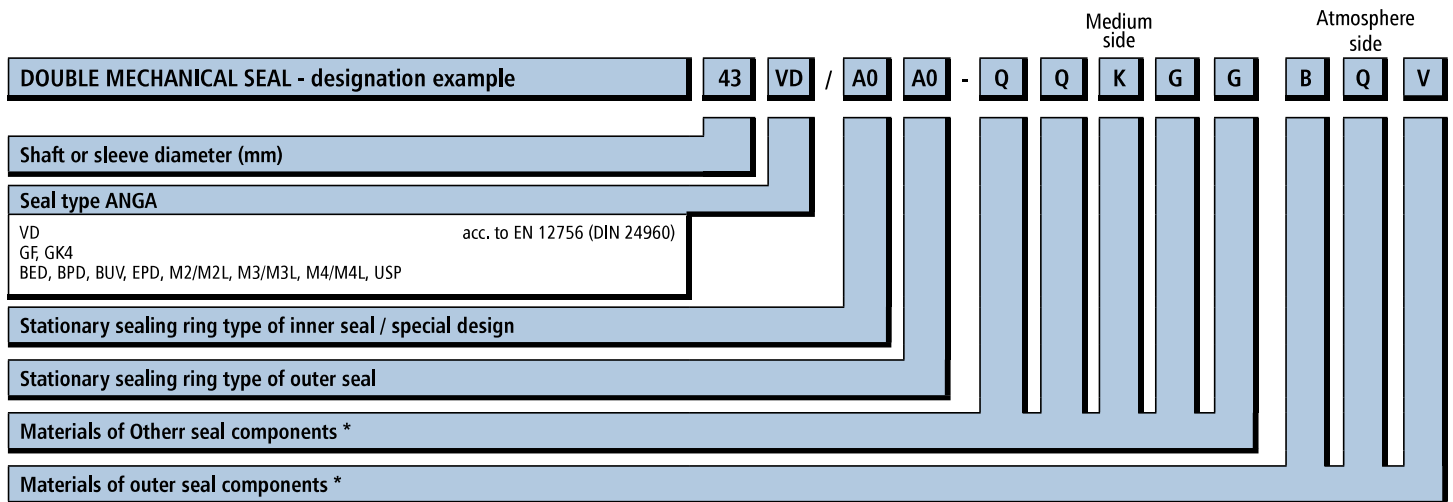


SINGLE MECHANICAL SEAL - designation example	70	US2	/	A0	-	A	Q	V	M	G
Shaft or sleeve diameter (mm)										
Seal type ANGA										
A4, A3L/R, V, VT, VS, VB, VBT, US, US2, E1 acc. to EN 12756 (DIN 24960)										
A1, A41, A1G, A10, A11, A12, A13, B12, E2, W, VSK										
BE2, BC, BD, BEQ, BP, BU, EP, M1, M1L, MDZ, MS, USC, UST, USS										
Stationary sealing ring type / special design										
1. For standard seals, type of stationary ring: A0, A5, E5, B0, acc. to EN 12756 (DIN 24960) E0, D0, F0, H0, H5										
2. Number of special design for specific dimension: 01, 02, 03,...										
Rotating sealing ring material										
Stationary sealing ring material										
A – Antimony impregnated carbon graphite										
A1 – Antimony impregnated carbon graphite, resistant to blistering										
A3 – Antimony impregnated carbon graphite, dry-running										
B – Resin impregnated carbon graphite										
B6 – Resin impregnated carbon graphite, FDA certified										
B8 – Resin impregnated carbon graphite, dry-running, FDA certified										
C6 – Electrographite, resistant to blistering, FDA certified										
Q – Sintered silicon carbide (SiC)										
Q1 – Reaction bonded silicon carbide (SiC-Si)										
Q5 – Silicon carbide, diamond coated										
R – CrNi cast iron										
S – Special cast CrMo-steel (1.4136)										
U – Tungsten carbide (Co-bonded)										
U1 – Tungsten carbide (Ni-bonded)										
U2 – Tungsten carbide (Co-bonded)										
V – Al-Oxide ceramic (Al ₂ O ₃ ; 99.5%)										
V1 – Al-Oxide ceramic (Al ₂ O ₃ ; 96.0%)										
Y – Glass filled PTFE										
Secondary, flexible seal material										
E – Ethylene-propylene elastomer (EPDM)										
E3 – Ethylene-propylene elastomer, FDA certified										
E4 – Ethylene-propylene elastomer, for hot water, FDA cert										
K – Perfluorocarbon elastomer (FFKM)										
K9 – Perfluorocarbon elastomer, FDA certified										
N – Chloroprene elastomer (CR)										
P – Nitrile elastomer (NBR)										
P3 – Nitrile elastomer, FDA certified										
S – Silicone elastomer (MVQ)										
V – Fluorocarbon elastomer (FKM)										
V3 – Fluorocarbon elastomer, FDA certified										
M – Fluorocarbon elastomer + PTFE-encapsulated (FKM/PTFE)										
G – Graphite										
T – PTFE Teflon® (PTFE)										
Spring material										
G – Stainless steel (1.4310)										
M – Hastelloy® C-4 (2.4610)										
Material of other elements										
F – Stainless steel (1.4541)										
G – Stainless steel (1.4571)										
G1 – Stainless steel URANUS® (1.4539)										
G2 – Stainless steel „Duplex“ (1.4462)										
G4 – Stainless steel „Super Duplex“ (1.4410)										
M – Hastelloy® C-4 (2.4610)										
M1 – Monel® (2.4360)										
T2 – Titanium (3.7035)										

Types, Materials, Designation – continued



* Materials of double mechanical seals are indicated in sequence as for single mechanical seals.

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Hastelloy® – by Haynes International, Inc.

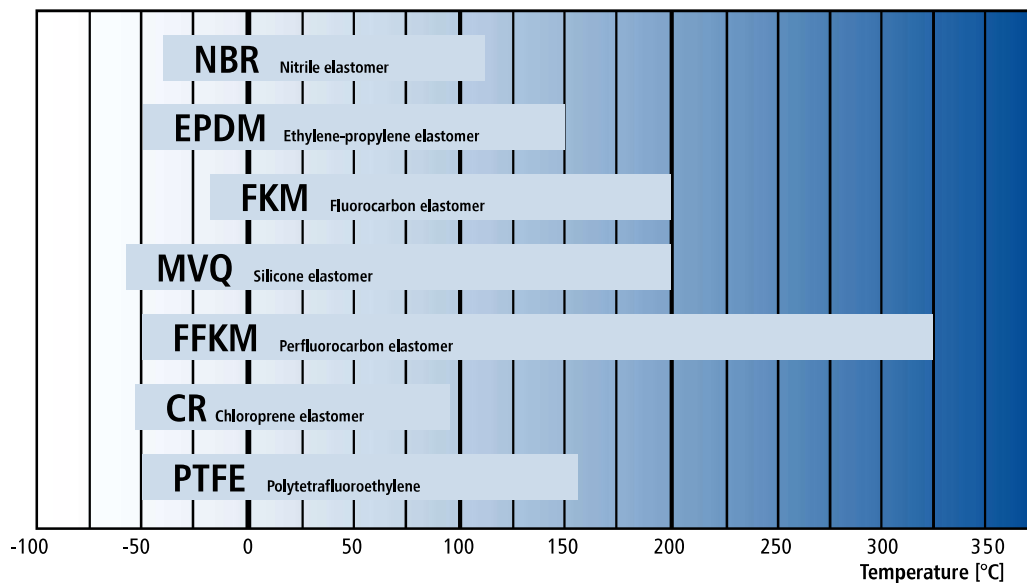
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AM 350® – by Allegheny Technologies Inc. (ATI)

Uranus® – by ArcelorMittal S.A.

Carpenter® – by Carpenter Technology Corp.

Thermal resistance of elastomers



Note: This chart presents extreme values of thermal resistance of elastomers.
In case of really extreme or non-standard situations please contact ANGA.