

# CLASSIFICAZIONE DEI MATERIALI

## MATERIALS CODES

SLIDING FACES	DIN 24960 Code	Fluiten Code
<b>GRAPHITES</b>		
Graphite Antimony impregnated (Massive)	A	Z 11
Graphite Antimony impregnated (Insert)	A	Z 12
Graphite Resins impregnated (Massive)	B 11	Z 31
Graphite Resins impregnated (Insert)	B 12	Z 32
Graphite Resins impregnated (Massive)	B 31	Z 41
Graphite Resins impregnated (Insert)	B 32	Z 42
Graphite Resins bonded	B 2	Z 61
Graphite Resins impregnated (Massive)		Z 81
Graphite Resins impregnated (Insert)		Z 82
Electrographite	C 1	Z 7
<b>METALS</b>		
Carbon Steel	D	F
Chrome Steel	E	P
Chrome Steel	S 1	Y
Chrome Steel		P 3
Cast Chrome-Molybdenum Steel	—	Y 1
Chrome-Nickel Steel	F	J
Chrome-Nickel Steel	S 2	Q
Chrome-Nickel-Molybdenum Steel	G	E
Stellited Chrome-Nickel Steel	H	X
Stellited Chrome-Nickel-Molybdenum Steel	K	S
Stellited Carbon Steel	—	W
Hastelloy B	M 1	H
Hastelloy C	M 2	I
Bronze	N	B
Nickel Cast Iron (Ni-Resist)	R	R
Grey Cast Iron	P	R 1
SAF 2205 + stellite		S 3
Cast Chrome Steel + stellite		Y 15
AISI 420 + stellite		Y 5
<b>CARBIDES</b>		
Tungsten Carbide-Cobalt binder (Massive)	U 11	K 11
Tungsten Carbide-Cobalt binder (Insert)	U 12	K 12
Tungsten Carbide-Cobalt binder (Brazed)	U 13	K 13
Tungsten Carbide-Nickel binder (Massive)	U 21	K 21
Tungsten Carbide-Nickel binder (Insert)	U 22	K 22
Tungsten Carbide-Nickel binder (Brazed)	U 23	K 23
Silicon Carbide (Massive)	U 31	U 31
Silicon Carbide (Insert)	U 32	U 32
Silicon Carbide on Graphite	U 6	U 6
Tungsten Carbide - Nickel binder (free insert)		K 25
<b>METALLIC OXIDES</b>		
Integral Ceramic (Al <sub>2</sub> O <sub>3</sub> )	V 1	C
Chrome Oxide on metallic basis	W	C 1
Titanium Oxide on metallic basis	X	C 2
<b>NON-METALS</b>		
PTFE Glass reinforced (Massive)	Y 1	T 1
PTFE Glass reinforced (Insert)		T 12
PTFE Graphite reinforced	Y 2	T 2
PTFE Molybdenum reinforced		T 7
PTFE Ceramic reinforced		T 8
PTFE Glass + Graphite reinforced (Massive)		T 9
PTFE Glass + Graphite reinforced (Insert)		T 92
PTFE AISI 316 reinforced		G 9
Rulon J (Insert)		N 2
Rulon J (Massive)		N 22

SECONDARY SEALS	DIN 24960 Code	Fluiten Code
<b>ELASTOMERS</b>		
Nitrile Rubber	P	G
Ethylene Propylene Rubber	E	D
Fluoro Elastomer (Viton) Rubber	V	V
Silicone Rubber	S	O
Neoprene Rubber	N	N
Butylic Rubber	B	G 3
Fluoro Silicone	X 2	G 1
Kalrez	X 3	G 2
Viton wrapped with PTFE	M 1	V 1
Ethyl Propylene wrapped with PTFE	M 2	D 1
Silicone wrapped with PTFE	M 3	O 1
Neoprene wrapped with PTFE	M 4	N 1
Viton encapsulated FEP	—	V 2
Silicone encapsulated FEP	—	O 2
Fluoraz / Aflas		G 4
Parafluor		G 7
<b>NON-ELASTOMERS</b>		
Flat gasket asbestos-free	A	A
Flat antiacid gasket asbestos-free	A	A 1
Flat gasket Carbofiber		A 2
Gylon		G 6
Nylon		G 8
PTFE	T	T
PTFE Glass reinforced	Y	T 1
PTFE Graphite reinforced	Y	T 2
PTFE with AISI 316 Spring - Fluigam®	Y	T 3
PTFE Graphite reinforced with AISI 316 Spring - Fluigam®		T 23
Grafoil		G 5

SEAL BODIES, SPRINGS AND METAL BELLOWS	DIN 24960 Code	Fluiten Code
Carbon Steel	D	F
Chrome Steel	G	P
Chrome Steel	—	Y
Chrome-Nickel Steel	F	J
Chrome-Nickel Steel	—	Q
Chrome-Nickel-Molibdenum Steel	G	E
Hastelloy B	M 1	H
Hastelloy C	M 2	I
Monel	M 4	M
Titanium	T 2	L
Bronze	N	B
PVDF		T 5
PVC		T 6
Brass		B 5
Aluminum		C 5
Carpenter 20		P 2
AISI 904L		E 1
AISI 321		E 2
SAF 2205		E 3
Inconel 600		E 4
Polipropilene		T 4
AM 350		
AM 350 treated		
Carpenter 42		

NOTE: When the materials code consist of different letters:  
 — the first is referred to the material family;  
 — the second specify the material type;  
 — the third specify the constructive shape of the ring:  
 (1 = Integral; 2 = Shrunk-in insert; 3 = Brazed insert;  
 4 = Spray facing; 5 = Free insert).