

Body

Body material	Description	Code
Ductile iron Standard	EN 1563 GJS-400-15 (GGG 40)	GA03
Ductile iron	EN 1563 GJS-400-18LT (GGG 40.3)	GA04
Carbon steel	A 216 Gr. WCB	GD51
Carbon steel	A 352 Gr. LCB	GD53
Carbon steel welded construction	EN 10025 S 275 JR	PA01
Stainless steel	A 351 Gr. CF8M (1.4408)	GE54
Stainless steel	A 351 Gr. CF3M	GE53
Stainless steel welded construction	AISI 304	PB50
Stainless steel welded construction	AISI 316	PC50
Stainless steel welded construction	AISI 304L	PB51
Stainless steel welded construction	AISI 316L	PC51
Tin bronze	EN 1982 CuSn10-C (CC480K)	GK01
Aluminium bronze	EN 1982 CuAl10Fe5Ni5-C (CC333G)	GK02
Aluminium	AC-43000	GJ01
Aluminium	AC-46000	GJ03
Aluminium	AC-47000	GJ04



Shaft and shaft bearing

Shaft material	Description	Code
Stainless steel Standard	AISI 420 (1.4021)	SD55
Stainless steel	AISI 316	SC50
Stainless steel	AISI 316L (1.4404)	SC51
Duplex	1.4462	SE02
Super Duplex	1.4410	SE04
Nickel copper	Monel K 500 Monel 400	SF50 SF51
Aluminium bronze	QAL-10 Cu Al10 Fe Ni S-C	SG01
Nickel chromium molybdenum	INCONEL 625	SF52



Shaft bushing material	Nominal diameters
Acetal Delrin	DN 32 – 200
Steel bronze with PTFE	DN 250 – 1100
Bronze Rg-07	DN 1200-1600









Materials

Material	Bezeichnung	Code	Eigenschaften	Anwendungen
Stainless steel	A 351 Gr. CF8 (1.4308, AISI 304)	GE51	Limited chemical and corrosion resistance	Fresh water, neutral liquids
Stainless steel	A 351 Gr. CF8M, (1.4408, AISI 316)	GE54	Good chemical and corrosion resistance	Aqueous acids, drinking water, demineralised water
Stainless steel polished	A 351 Gr. CF8M, (1.4408, AISI 316)	GE54	Good chemical and corrosion resistance	Food products
Stainless steel forged	A 351 Gr. CF3M, (1.4404, J92800) (AISI 316L)	GE53	Good chemical and corrosion resistance	Food products
Aluminium	EN-AC-44100	GJ02	Very good chemical and corrosion resistance	Aqueous acids, drinking water, demineralised water
Ductile iron epoxy coated	EN 1563 GJS-400-15 (GGG 40)	GA03	Good mechanical strength, similar to carbon steel	Warm water (max. 90°C), air, gas, neutral liquids
Ductile iron EPDM vulcanized	EN 1563 GJS-400-15 (GGG 40) + EPDM	GA03	Very good abrasion resistance	Pneumatic transport, cement, abrasive fluids
Tin bronze ≤ DN 300	EN 1982 CuSn10-C (CC480K)	GK01	Very good chemical and corrosion resistance	Saltwater
Aluminium bronze ≥ DN 350	EN 1982 CuAl10Fe5Ni5-C (CC333G)	GK02	Very good chemical and corrosion resistance	Saltwater
Carbon steel epoxy coated	A 216 Gr. WCB (1.0619)	GD51	Good mechanical strength	Fresh water, gas
Duplex stainless steel	A 995 Gr. CD4MCuN (1.4462)	GF53	Very good abrasion and chemical resistance	Chemically aggressive media, acids, sour gas
Super Duplex	1.4469 (EN 10213-4) (CE3MN)	GF01	High chemical and corrosion resistance	Saltwater and corrosive atmospheres, chemically aggressive media, acids
Stainless steel Uranus B6	1.4539 (904L)	PC05	High chemical and corrosion resistance	Acids of medium aggressiveness, such as sulphuric or phosphoric acid, chloride containing media



Materials

Seal material	Code	Description acc. to ISO 1629	Temperature range	Application	
Ethylene propylene	M01	EPDM	-20°C...+110°C	Fresh water, saltwater, weak acids and bases	 EPDM M01-M03/M05 NBR M07/M10-M12
Ethylene propylene high temperature	M02	EPDM	+80°C...+130°C	Heating applications (without steam)	
Food EPDM FDA	M03	EPDM	-20°C...+110°C	Food products	
Food White EPDM (FDA, 1935/2004)	M04	EPDM	-20°C...+95°C	Food products	
EPDM DVGW / SVGW (ACS, WRAS, KTW, W270)	M05	EPDM	-20°C...+95°C	Fresh water, saltwater, weak acids and bases	 EPDM white FDA M04 NBR white FDA M09
EPDM KP FDA	M06	EPDM	-20°C...+130°C	Fresh water, saltwater, weak acids and bases	
Nitrile	M07	NBR	-10°C...+90°C	Mineral oils, vegetable oils, greases	 Silicone M17
Food NBR FDA	M08	NBR	-10°C...+90°C	Food products	
Food White NBR (FDA, 1935/2004)	M09	NBR	-10°C...+90°C	Food products	
Nitrile carboxylated	M10	NBR	-10°C...+90°C	Mineral oils, vegetable oils, greases, abrasive media	 Silicone FDA M18
Nitrile hydrogenated	M11	NBR	-10°C...+90°C	Mineral oils, vegetable oils, greases, gases with SH2 (Biogas)	
Nitrile Gas DVGW	M12	NBR	-10°C...+90°C	Mineral oils, vegetable oils, greases, gases with SH2 (Biogas)	 Butyl M27
Flucast AB/P	M13	-	-10°C...+70°C	Abrasive powders	
Flucast AB/E	M14	-	-20°C...+95°C	Oxygenated solvents, ketones, ethers, abrasive media	
Flucast AB/N	M15	-	-10°C...+100°C	Mineral oils, vegetable oils, greases, abrasive media	
Flucast AB/T	M16	-	-5°C...+130°C	Abrasive media at high temperatures	 Silicone M19
Silicone	M17	MVQ	-60°C...+200°C	Air, hot water (without steam), high and low temperatures	
Silikon (FDA, 1935/2004)	M18	MVQ	-60°C...+200°C	Food products, dairy products	
Silicone steam	M19	MVQ	-60°C...+140°C	Low pressure steam	
Viton	M20	FPM	-15°C...+210°C	Acids, high temperatures	
Viton Biodiesel	M21	FPM	-5°C...+210°C	Biodiesel, acids, steam	
Viton GF Gasoline	M22	FPM	-5°C...+210°C	Oxygenated gasoline	
Viton FDA	M23	FPM	-5°C...+210°C	Food products	
Hypalon	M24	CSM	-25°C...+125°C	Water, diluted bases, diluted non-oxidising acids	
Epichlorohydrin	M25	ECO	-40°C...+125°C	Saline solutions, low temperatures, gases, oils, fuels	
Neoprene	M26	CR	-25°C...+80°C	Saltwater	
Butyl	M27	IIR	-10°C...+95°C	Low permeability to inert gases: nitrogen, air, oxygen, helium	