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MATERIAL LIST



MATERIAL GROUPS	EXAMPLES
Plastics	[PA] [PVC] [POM] [PTFE] [PE] [PI] [PEEK] [PMMA] [GFK]
Structural steels, quenched and tempered steels, nitrided steels	[St 37] [C 45] [14 NiCr 14] [16 MnCr 5] [42 CrMo 4] [30 CrNiMo 8] [31 CrMoV 9] [34 CrAlMo 5]
Free-cutting-steels	[9 SMnPb 28] [60 SPb 20]
Roller-bearing steels, tool steels	[100 Cr 6] [115 CrV 3] [X 210 CrW 12] [S 6-5-2] [S 18-1-2-10]
Spring steels	[55 Si 7] [50 CrV 4]
Rust-free valve steels	[1.4034] [1.4112] [1.4125]
Rust- and acid-resistant steels	[1.4301] [1.4305] [1.4401] [1.4435] [1.4542] [1.4548] [1.4571]
Soft-magnetic materials, glazed alloys	[pure iron] [permenorm] [vacoflux] [vacon]
Implant materials	[1.4441] [Elgiloy] [Rex 734]
Highly corrosion-resistant and heat-proof materials	[Hasteloy] [Haynes 25] [Inconel] [Nimomic]
Aluminium	[Al 99] [AlCuMgPb] [AlMgSi 1] [AlZnMgCu 0,5] [aviation alloys]
Cu alloys	[electrolyte copper] [brass] [bronze] [nickel silver] [ARCAP]
Titanium for medical applications	[Grade 1–4 nach ASTM-F 67] [Grade 5 nach ASTM-F 136]
Titanium for machine construction and aviation	[Grade 2 nach ASTM-B 348] [Grade 5 nach ASTM 4928]
Sintered metals	[cobalt base alloys] [stellites] [ferrotitanium]
Pure metals	[zirconium] [molybdenum] [tantalum]
Noble metals	[platin] [Pt-Ir] [gold]
Machinable ceramics	