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MATERIAL LIST

BERGER INDUSTRIES

MATERIAL GROUPS	EXAMPLES
Structural steels, heat-treated steels, case-hardening steels, nitriding steels	C45, S235, 15NiCr13, 20NiCrMo2-2, 16MnCrS5, 42CrMo4, 30CrNiMo8, 31CrMoV9, 34CrAlMo5-10
Free-cutting steels	11SMnPb30, 46SPb20, 11SMn30
Bearing steels, tool steels	100Cr6, 115CrV3, X210CrW12, HSS, HS6-5-2, HS18-1-2-10
Spring steels	56Si7, 51CrMnV4, 1.4310, Duratherm
Stainless valve steels	1.4034, 1.4112, 1.4125
Rust- and acid-resistant steels	1.4301, 1.4305, 1.4306, 1.4401, 1.4435, 1.4542, 1.4545, 1.4548, 1.4571, 1.4659, 15-5PH, 17-4PH; PH 13-8 Mo, AISI 304L, AISI 316L; Super-Duplex
Implant materials	1.4441, 1.4456 (nickel-free), AISI 316 LVM Elgiloy, Rex 734, Nitinol, Co-Cr28-Mo6, MP35N
Highly corrosion-resistant and heat-resistant materials	1.4828, 1.4878, 1.4923, 2.4856, Hastelloy, Haynes 25, Inconel, Nimonic, Monel
Magnetically soft materials, glazing alloys	Armco, Reineisen, Permenorm, Vacoflux, Vacon, Invar, Mu-Metal, NiFe46, NiCo29-18
Aluminum	Al99, AlCuMgPb, AlMgSi1, AlZnMgCu0,5, EN AW1-7xxxx, Aviation Alloys, Titanaluminid
Cu and Cu alloys	Electrolytic Copper, OF-Cu, Cu-Be, Brass, Bronze, New Silver, ARCAP
Titanium for use in medical technology	Pure Titanium ASTM-F 67, Ti-6Al-4V-ELI ASTM-F 136, Ti15-Mo ASTM-F 2066, Titan Grade 1–5, 23
Titanium for mechanical engineering and aviation	3.7035, 3.7165, ASTM-B 348, MIL-T 9047, Titan Grade 5, 7, 9
Sintered metals, matrix composite materials	Stellite, Ferrotitanit, Densimet, MMC
Pure metals, heavy metals	Nickel, Zirconium, Molybdenum, Tantalum, Tungsten
Noble metals	Platinum, Pt-Ir, Gold, Paladium
Ceramics	Macor, ZrO_2, Al_2O_3
Filled and unfilled Plastics	PA, PVC, POM, PTFE, PE, PI, PEEK, PMMA, GFK, Torlon, Chirulen (PE-UHMW), antibacterial/implantable plastics according to ISO 10993