

# Investment casting materials

## Steel alloys for general use / Mechanical engineering



Designation	Material no.	Standard	Common heat treatment condition	Mechanical-technological characteristics			Impact work (ISO-V)	Application/ particular use cases
				0,2-Yield strength RP <sub>0,2</sub>	Tensile strength RM (MPa)	Elongation A <sub>5</sub> (%)	Notched bar impact work (J)	
GS 38.3 GE 200	1.0420	DIN 1681 EN 10293	annealed	≥ 200	≥ 380	≥ 25	≥ 35	general mechanical engineering; good weldability; soft magnetic for pressure-bearing components according to AD-W5 up to 300 °C
GS 45.3 GE240	1.0446	DIN 1681 EN 10293	annealed	≥ 230	≥ 450	≥ 22	≥ 27	general mechanical engineering; soft magnetic at least 1.70 T at 100 A/cm
GS 52.3 GE260	1.0552	DIN 1681	annealed	≥ 260	≥ 520	≥ 18	≥ 27	general mechanical engineering; soft magnetic at least 1.70 T at 100 A/cm
GS 60.3 GE 300	1.0558	DIN 1681 EN 10293	annealed	≥ 30	≥ 600	≥ 15	≥ 27	general mechanical engineering; soft magnetic at least 1.70 T at 100 A/cm