

CAST STEEL GENERAL USE

| DESCRIPTION | MATERIAL NO. | NORM | USUAL HEAT TREATMENT CONDITION | MECHANICAL-TECHNOLOGICAL CHARACTERISTICS | | | IMPACT WORK (ISO-V) | ANNEALING HARDNESS | USAGE/SPECIAL APPLICATION EXAMPLES |
|-------------------|--------------|----------------------|--------------------------------|--|------------------------------|---------------------------|---------------------|--------------------|---|
| | | | | 0,2-YIELD STRENGTH $R_{p0.2}$ | TENSILE STRENGTH R_m (MPA) | FRACTURE STRAIN A_5 (%) | (J) | (HB) | |
| GS 38.3 GE 200 | 1.0420 | DIN 1681 EN 10293 | annealed | ≥ 200 | ≥ 380 | ≥ 25 | ≥ 35 | | General Engineering; good weldable; 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 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 Engineering; soft magnetic at least 1.70 T at 100 A / cm |
| GS 60.3 GE 300 | 1.0558 | DIN 1681 EN 10293 | annealed | ≥ 300 | ≥ 600 | ≥ 15 | ≥ 27 | | General Engineering; soft magnetic at least 1.70 T at 100 A / cm |