

DIN EN 10027-2 material number	DIN EN 10027-2 (short) designation	Edge hardness [HRC]	max. Case depth SHD [mm]
Tempered steel			
1.1181	C 35 E	48-55	6
1.1191	C 45 E	54-61	6
1.1221	C 60 E	57-64	6
1.5067	36Mn5	51-57	6
1.5122	37MnSi*	53-58	6
1.5141	53MnSi*	56-62	6
1.7005	45Cr2	54-60	6
1.7033	34Cr4	49-56	6
1.7220	34CrMo4	50-57	6
1.7225 / 1.7227	42CrMo4 / 42CrMoS4	52-59	6
1.6580	30CrNiMo8	48-55	6
1.6582	34CrNiMo6	49-56	6
1.8159	50CrV4	55-62	6
1.8161	58CrV4	57-63	6
Tool steel			
1.2344	X41CrMoV5.1	53-60	6
1.2327	86CrMoV7	58-64	6
1.2080	X210Cr12	54-60	6
1.2083	X40Cr13	54-57	6
Stainless steel			
1.4112	X90CrMoV18	54-57	6
1.4535	X90CrCoMoV17	54-57	6
1.4125	X105CrMo17	55-60	6
Ball bearing steel			
1.3505	100Cr6	60-65	6
Valve steel			
1.4718	X45CrSi9 3	55-60	2
1.4747	X80CrNiSi20	51-55	2
Casting materials			
0.6025	EN-GJL-250 (GG25)	46-52	2
0.7050	EN-GJS-500 (GGG50)	52-57	2
0.7080	EN-GJS-600 (GGG60)	52-58	2
0.7070	EN-GJS-700 (GGG70)	55-62	2

* Malleable, but susceptible to cracking. The maximum hardness is determined by the material. All statements without guarantee.