

Standard metal materials

Material	AISI/ASTM	DIN EN 10 027-2 material No.	DIN EN 10 027-1 specification	BS	CSN specification	Temperature (°C)		Hardness (HB)
						Min.	Max.	
carbon steel	238-C	1.0038	RSt. 37.2 CS	40B	11 375	-40	+500	100 - 130
low carbon steel	/	1.1003	M2 / ARMCO	/	/	-60	+500	90 - 110
stainless steel	304	1.4301	X5CrNi 18	304S15/16/31	17 240	-200	+550	130 - 180
stainless steel	304L	1.4307	X2CrNi 189	304S11	17 249	-270	+550	130 - 170
stainless steel	309	1.4828	X15CrNiSi 2012	309S24	17 251	-110	+1000	130 - 220
stainless steel	316	1.4401	X5CrNiMo 1810	316S31/33	17 346	-200	+550	130 - 180
stainless steel	316Ti	1.4571	X10CrNiMoTi 1810	320S31	17 348	-270	+550	130 - 190
stainless steel	316L	1.4404	X2CrNiMo 1810	316S11/13	17 349	-200	+550	120 - 170
stainless steel	321	1.4541	X10CrNiTi 189	321S12/49/87	17 247	-270	+550	130 - 190