

GRADES	DESIGNATIONS (V)		Product Form (1)	Thickness max [mm]	Heat Treatment (5) (13)	Hardness		Proof strength $R_{p0.2}$ [MPa] (14) (15) (transverse)	Tensile strength R_m [MPa]	Elongation after fracture		Impact energy (ISO-V) KV UJ min $\phi > 10mm$ (longitudinal) (transverse)
	EN [N°]	AISI/ASTM				HRB max	HB or HV max			A_{50mm} [%] (tr. and long.) (2)	A_{5} [%] (tr. and long.) (3)	
FERRITIC	1.4595 ⁽¹⁾		C	8	A		220 *	from 380 to 560		25		
	1.4016 ⁽¹⁾	430	C	8		85 ⁽¹⁰⁾	290 *	from 450 to 600		20		
			H	13.5	A		280 *			18		
			P	25 ⁽¹¹⁾		160 ⁽¹¹⁾	260 *	from 430 to 630		20		
	1.4520 ⁽¹⁾		C	8	A		200 *	from 380 to 530		24		
	1.4511 ⁽¹⁾		C	8	A		240 *	from 420 to 600		23		
	1.4017 ⁽¹⁾		C	8	A		350 *	from 500 to 750		12		
	1.4113 ⁽¹⁾	434	C	8	A		280 *	from 450 to 630		18		
	1.4513 ⁽¹⁾		H	13.5			220 *	from 400 to 550		23		
	1.4510 ⁽¹⁾	439	C	8	A		240 *	from 420 to 600		23		
			H	13.5		183 ⁽¹²⁾	320 *	from 420 to 640				
	1.4521 ⁽¹⁾	444	C	8	A		300 *	from 400 to 600		20		
FERRITIC	1.4526 ⁽¹⁾	436	P	13.5		96 ⁽¹²⁾	300 *	from 420 to 620				
	1.4509 ⁽¹⁾		C	8	A		300 *	from 480 to 580		25		
	1.4590 ⁽¹⁾		C	8	A		250 *	from 400 to 630		18		
			C	8	A		250 *	from 400 to 550		23		
	1.4749 ⁽¹⁾	446	(12)	12	A		280 *	from 500 to 700		13 ⁽¹³⁾	15 ⁽¹⁴⁾	15 ⁽¹⁴⁾
	1.4713 ⁽¹⁾		(12)	13.5	A		220 *	from 420 to 620			20 ⁽¹⁴⁾	15 ⁽¹⁴⁾
	1.4724 ⁽¹⁾		(12)	13.5	A		250 *	from 450 to 650			13 ⁽¹⁴⁾	15 ⁽¹⁴⁾
	1.4762 ⁽¹⁾		(12)		A		280 *	from 520 to 720			13 ⁽¹⁴⁾	15 ⁽¹⁴⁾
	1.4592 ⁽¹⁾		C	8	A		450 *	from 550 to 700		20		
			C	8			205 * ⁽¹¹⁾	max 600		20		
	1.4006 ⁽¹⁾	410	H	13.5		90 ⁽⁸⁾	400 *	from 550 to 750		15		upon agreement
			P ⁽¹¹⁾	75	QT550 QT650		450 *	from 650 to 850		12		
MARTENSITIC			C	8		90 ⁽⁸⁾	max 650		20			
	1.4024 ⁽¹⁾		H	13.5		90 ⁽⁸⁾	max 650		20			
			P	75								
			P	75	QT550		400 *	from 550 to 750		15		upon agreement
			P	75	QT650		450 *	from 650 to 850		12		
			C	3	QT							
			C	8								
	1.4021 ⁽¹⁾	420	H	13.5		95 ⁽⁸⁾	345 * ⁽¹¹⁾	max 700		15		
			P ⁽¹¹⁾	75	QT650 QT750		450 *	from 650 to 850		12		upon agreement
							550 *	from 750 to 950		10		