

**STEEL GRADES AND PROPERTIES**

Grade ASTM	UNS	German W-NR	0.2% Yield Strength MPa, min	Tensile Strength MPa min	Elong. A5, % min	Hardness HV max	Comment
Austenitic stainless steel grades							
304L	S30403	1.4306	205	515	40	210	
304	S30400	1.4301	170	485	40	210	
316L	S31603	1.4435	205	515	40	225	
316	S31600	1.4436	170	485	40	225	
Duplex steel grades (ferritic-austenitic)							
LDX 2101	S32101	1.4162	450	650	30	230	
SAF 2205	S31803	1.4462	450	620	25	260	
Grade	Standard		0.2% Yield Strength MPa, min	Tensile Strength MPa min	Elong. A5, % min	Hardness HV max	Comment
Mild Steel Grades – Structural Steel – Hot Rolled Bars & Sections							
300PLUS, 300PLUSLO	AS/NZ 3679.1:1996		320	440	22		Sections <11mm thick
350, 350LO	AS/NZ 3679.1:1996		360	480	20		Sections <11mm thick
Mild Steel Grades – Cold Formed Sections – Circular Hollow Sections							
C250LO	AS 1163		250	320	22		
C350LO	AS 1163		350	430	20		
Mild Steel Grades – Cold Formed Sections – Square & Rectangular Hollow Sections							
C350LO	AS 1163		350	430	16		
C450LO	AS 1163		450	500	14		
Mild Steel Grades – Cold Formed Sections – Angles, Channels & Flats							
C350LO	TS100		350	400	20		
C400LO	TS100		400	450	16		
C450LO	TS100		450	500	16		

Notes:

- Mechanical properties shown are for the commonly available form of the material, properties of other forms may vary.
Properties shown are minimum properties based upon the relevant standard.
Actual properties are typically well above these minimum values.
- Consult relevant product standard for definitive values.