



# CARBON STEEL SHEET & PLATE

GRADE	COLOR CODE	THICKNESS RANGE	YS TYPICAL	TS TYPICAL	HARDNESS TYP	SPECIFICATION	USE APPLICATIONS
<b>G250</b>		1.2mm to 200mm	260 MPa	420 to 500 MPa	120 to 160 BHN	AS1594:HA250 NZS3678:250	General purpose steel plates typically used for furniture, machinery and other general uses. This grade is becoming less common 6mm and above.
<b>G300</b>		6mm to 40mm	320 MPa	440 to 520 MPa	130 to 170 BHN	AS1594:HA300 AS3678:300	General purpose structural steel plates typically used for machinery, construction of buildings and other general uses. In the 6mm to 32mm range most steel is provided to this as a minimum.
<b>G350</b>		3mm to 200mm	360 MPa	470 to 540 MPa	140 to 180 BHN	AS1594:HA350 AS3678:350	Structural steel plates typically used for the constructions of buildings, bridges, transport trailers and a variety of structures.
<b>G350 L15</b>		10mm to 150mm	360 MPa	470 to 540 MPa	140 to 180 BHN	AS3678:350 L15	Structural steel plates typically used for the constructions of cool-store buildings, bridges and a variety of structures which are exposed to low temperatures tested to minus 15deg.
<b>G450</b>		12mm to 20mm	450 MPa	550 to 610 MPa	165 to 190 BHN	AS3678:450	High strength structural steel plate typically used for transport or forestry equipment. An ideal choice where the strength of a quenched and tempered plate is not needed.
<b>CORTEN</b>		2.5mm to 10mm	380 MPa	530 to 580 MPa	140 to 180 BHN	AS1594:HW350 JIS G3114	Weather resistant structural steel plates used for applications where a corrosion is an issue or if a weathered appearance is desired.
<b>HTTM</b>		3mm to 8mm	700 MPa	750 to 950 MPa	240 to 260 BHN	EN 10149-2 S700MC	High Strength thermomechanically rolled plate typically used for transport equipment. This plate offers improved workability as opposed to a quenched and tempered plate of the same nominal yield strength.
<b>HT80</b>		6mm to 100mm	690 MPa	780 to 930 MPa	240 to 260 BHN	JIS G3128 SHY685 AS3597 Grade 700 BISALLOY 80 JFE HI-TEN 780S/780LE NSSMC WEL-TEN 780E	High strength quenched and tempered plate typically used for forestry equipment, transport equipment or any application where reduced weight and improved strength is a priority.
<b>A450</b>		6mm to 50mm	1100 MPa	1400 to 1500 MPa	420 to 470 BHN	NSSMC ABREX 450, JFE EH450, BIS 450	Wear resistant steel plate typically used for applications with high sliding wear and moderate impact properties.
<b>W450</b>		10mm to 16mm	1100 MPa	1400 to 1500 MPa	440 to 470 BHN	Wearalloy 450	Wear resistant steel plate typically used for applications with high sliding wear and moderate impact properties.
<b>460NR</b>		6mm to 50mm	275 MPa	460 to 580 MPa	140 to 180 BHN	AS1548-PT460NR	Specially certified plate for pressure vessel applications. Usually supplied in normalised condition.
<b>G250 TREAD PLATE</b>		3mm to 10mm	260 MPa	360 to 450 MPa	120 to 150 BHN	AS1594:HA250	Floor plate variant of G250, typically used for platforms or walkways.