

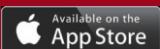
# PRODUCT CATALOGUE 2015

Manufactured and Designed to ISO Certification



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## HOT ROLLED SHEET PILES

# STEEL GRADES

### HOT ROLLED SHEET PILES - STEEL GRADES

CLASSIFICATION		YIELD POINT (Min)		TENSILE STRENGTH		ELONGATION (Min)
		ksi	MPa	ksi	MPa	
ASTM A252	Grade 1	30	205	50	345	18
ASTM A252	Grade 2	35	240	60	415	14
ASTM A252	Grade 3	45	310	66	455	-
ASTM A572	Grade 42	42	290	60	415	20
ASTM A572	Grade 50	50	345	65	450	18
ASTM A572	Grade 55	55	380	70	485	17
ASTM A572	Grade 60	60	415	75	520	16
ASTM A572	Grade 65	65	450	80	550	15
BS EN 10025-2	S275JR	40	275	59.6	410	23
BS EN 10025-2	S275J2	40	275	59.6	410	21
BS EN 10025-2	S355JR	51.6	355	68.3	470	22
BS EN 10248-1	S430GP	62.5	430	74.2	510	19
CSA 40.21	260W	38	260	77	590	20
CSA 40.21	300W	44	300	90	620	20
CSA 40.21	350W	50	350	94	650	19
CSA 40.21	400W	58	400	100	690	16
GB/T 700	Q235B	34	235	72	500	26
GB/T 1591	Q345B	50	345	91	630	20
GB/T 1591	Q345C	50	345	91	630	21
GB/T 1591	Q390B	56	390	94	650	20
GB/T 1591	Q420B	60	420	98	680	19
JIS A5528	SY295	42	295	71	490	17
JIS A5528	SY390	56	390	78	540	15

\*\* Other Steel Grades are available upon request

\*\*\* The yield point is based on the thickness no more than 16mm

### HOT ROLLED SHEET PILES - TOLERANCES

TOLERANCE	BS EN 10248	
MASS	± 5%	
LENGTH	± 200mm / ± 7.87402"	
HEIGHT	± 7mm / ± 0.275591"	
THICKNESS	≤ 8.5 mm / ≤ 0.334646" >> 8.5 mm / > 0.334646"	± 0.5 mm / ± 0.019685 ± 6%
WIDTH SINGLE	± 2%	
WIDTH OF PAIR	± 3%	
STRAIGHTNESS	≤ 0.2% of the length	
SQUARENESS OF END	± 2% of the width	

### JIS STANDARD

Item		Tolerance		Tolerance
Total Width		Except Wide Profile Sheet Pile	X±1%	+10mm -5mm
		Wide Profile Sheet Pile	+ 6 mm - 5mm	
Total Height		±4%		±4%
Thickness (T)	T < 10mm	+ 1.0mm - 0.3mm		±1.0mm
	10mm ≤ T < 16mm	+ 1.2mm - 0.3mm		±1.2mm
	T ≥ 16mm	+ 1.5mm - 0.3mm		±1.5mm
Length		+Not specified 0		+Not specified 0
Deflection	Length ≤ 10m	Full Length X 0.1% max.20mm max.		Full Length X 0.12%max.
	Length > 10m			(Full Length -10m)X0.1% + 12mm max.
Camber	Length ≤ 10m	Full Length X 0.2%max.20mm max.		Full Length X 0.25%max.
	Length > 10m			(Full Length -10m)X0.2% + 25mm max.
Difference in vertically cut sections		Within 4% width		Within 4% width
Difference in total width		4mm and under in difference between maximum and minimum total widths within 1m length from the edge		Not specified
Edge deflection		The values measured at the topside 1m from the edge and up to 15mm,or 1/2 the values measured at the tangent side and up to 1.5mm		Not specified