Hot Rolled H Formable BRIGHTFORM® steel

Revision 5, November 2003 This literature supersedes all previous issues

GENERAL DESCRIPTION

BRIGHTFORM® - Pickled, skin-passed low carbon steel with a good surface, suitable for bending and moderate drawing and pressing.

TYPICAL USES

Tubing, shelving, simple pressings, hidden appliance panels and distributor stock.

AUSTRALIAN STANDARDS

AS/NZS 1365/1996

GUARANTEED PROPERTIES OF STEEL BASE

MECHANICAL PROPERTIES	GUARANTEED
Transverse tensile	
Yield strength, MPa Tensile strength, MPa	-
Elong on 80 mm, %	32 min
180° transverse bend	
(L axis)	Ot

CHEMICAL PROPERTIES	TYPICAL %
Carbon (C)	0.04 - 0.07
Silicon (Si)	0.005 - 0.010
Manganese (Mn)	0.20 - 0.30
Phosphorus (P)	0.01 - 0.02
Sulphur (S)	0.01 - 0.02
Aluminium (AI)	0.03 - 0.05
Nitrogen (N)	0.001 - 0.005

DIMENSIONAL CAPABILITIES

Preferred Thickness,									Wio	lth Ra	nge,	mm								
mm	90	00	10	1000 1100		00	1200		1300		1400		1500		1600		1700		1800	
13																				
10																				
8																				
6																				
5																				
4.5																				
4																				
3.5																				
3																				
2.5																				
2	*																			
1.6																				
1.5																				

Note: Widths in the range 50 to 865mm are available by negotiation only.

* HA4N is not available pickled less than 2.00mm thickness.

Key available black only available pickled

These dimensions are a reflection of technical capability to produce. Supply conditions may be subject to dimensional restrictions and is subject to BlueScope Steel Sales and Marketing confirmation.

NORMAL/OPTIONAL	SUPPLY	CONDITIONS
	501121	CONTENTION

Surface finish	Normal Pickled, Skin-passed	Optional [#] -
Tolerance class		
Thickness	AT	-
Width	ME	-
Length	-	-
Flatness	AF	-
Oiling	Oiled	-
Branding	Not branded	-

Optional supply conditions may be subject to dimensional restrictions.

FABRICATING PERFORMANCE

Method	Rating
Bending	5
Drawing	4
Pressing	4
Roll-forming	5
Welding	5
Painting (Pretreatment)	5
Galvanizing	5
where 1 = limited to 5 = excellent, or NR = not recommended	

Note: It is recommended that customers use product promptly to avoid the possibility of rusting during storage. Oiling improves corrosion resistance but oiled product should be used within three months.

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Please ensure you have the current data sheet for this product as displayed at www.bluescopesteel.com.au

BlueScope Steel Limited

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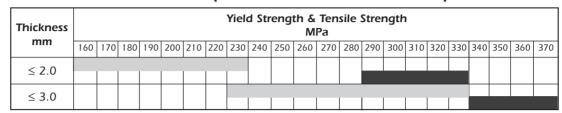
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TYPICAL PROPERTY RANGES (FOR NORMAL SUPPLY PRODUCT)





Thickness		Total Elongation (%)																					
mm	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
≤ 2.0																							
≤ 3.0																							

Note: Typical mechanical properties are based on aggregation of \overline{X} and 2SD performance.

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