



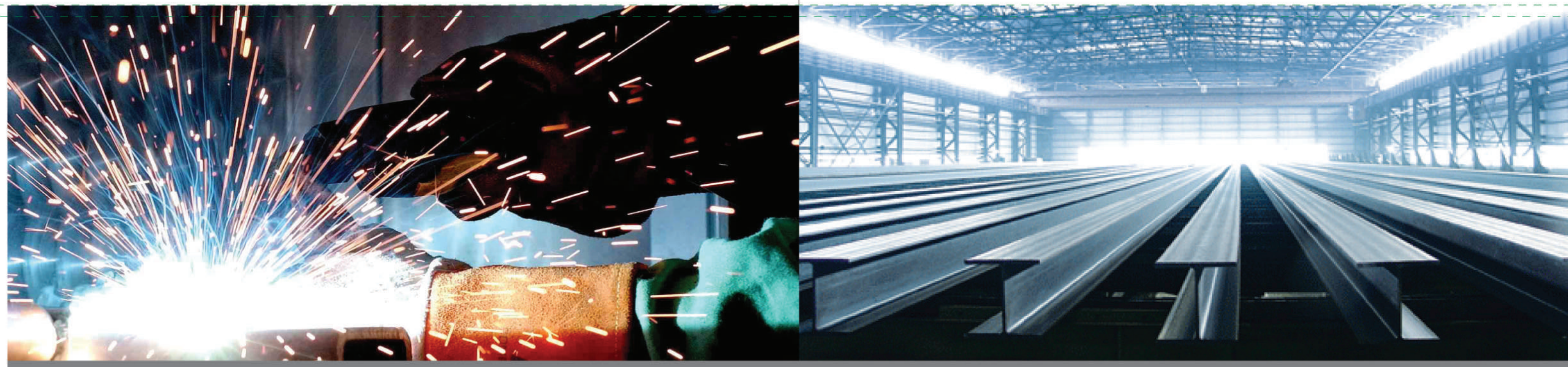
### ➔ ADVANTAGES

Not only we can process steel to suit any project or application, but our manufactured steel products include various steel structure columns, beams, girders, their auxiliary components and other non-standard steel structure components.

Our manufacturing capability enables us to cater for any size project, to any given standards.

- Standard lead time 2-3 weeks
- Non-standard lengths (minimum wastage factor)
- Non-standard sizes (one source for all welded range)
- Option of local or imported steel
- Option of any national or international standard

You can count on us for your next project.  
Visit us at [www.bhullargroup.com.au](http://www.bhullargroup.com.au)



## BHULLAR STEEL DISTRIBUTION

### ➔ ADDRESS

39 Victoria Street, Smithfield, NSW 2164  
P.O. Box 6521, Wetherill Park BC NSW 2164

### ➔ CONTACT

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Phone 02 9604 5700  
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Email [sales@bhullarsteel.com.au](mailto:sales@bhullarsteel.com.au)

[www.bhullargroup.com.au](http://www.bhullargroup.com.au)

# BHULLAR STEEL DISTRIBUTION

### ➔ THERE'S MORE TO US THAN MEETS THE EYE

BHULLAR STEEL IS AN ALL AUSTRALIAN OWNED AND OPERATED COMPANY THAT SPECIALISES IN WELDED BEAMS, AND OTHER WELDED SECTIONS.



ABN 35 121 046 231

### ➔ OUR RANGE

- WELDED BEAMS (STD & NON-STD)
- WELDED COLUMNS (STD & NON-STD)
- WELDED CHANNELS
- BOX GIRDERS
- BRIDE GIRDERS
- TAPERED WELDED SECTIONS

Welded sections are produced in accordance with AS1554 and AS4100 codes, but we can produce to any given standard from GP to SP categories.

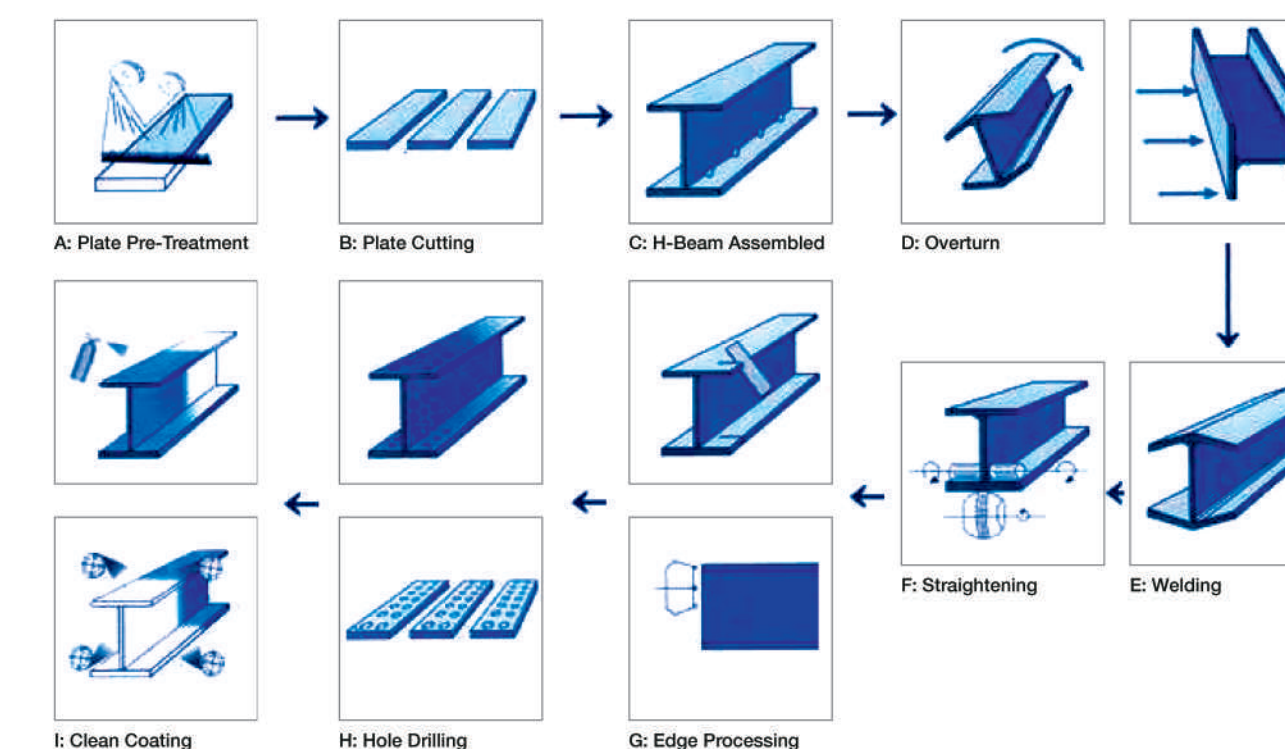
All the testing including UT test, Chemical Analysis, Tensile Strength Analysis are done by a certified NATA laboratory.

Job specific codes are developed, written and tested, ensuring the product is of highest standard meeting all our clients' requirements.

Not only can we manufacture the entire range of welded sections as per the Australian Standards, but we can also manufacture to any non-standard sizes.

And because Bhullar Steel can manufacture the sections to any given length, up to 23 metres long, it is more cost effective, meaning more savings to you.

### ➔ BEAM PREP AND ASSEMBLY







## TECHNICAL INFORMATION

### AUSTRALIAN STANDARDS

Produced to AS/NZS 3679.2  
 Weld Quality AS/NZS 1554.1  
 SP Category (deep penetration fillet weld)  
 (Can weld to any National / International code)

### GRADES

Produced from: AS/NZS 3678.2.300  
 AS/NZS 3678.2.300 L15  
 AS/NZS 3678.2.400  
 AS/NZS 3678.2.400 L15

### WELD SIZE

Nominal 8mm leg length for 700WB, 800WB and 900WB section sizes.  
 Nominal 10mm leg length weld for 1000WB, 1200WB and all Weld Columns.

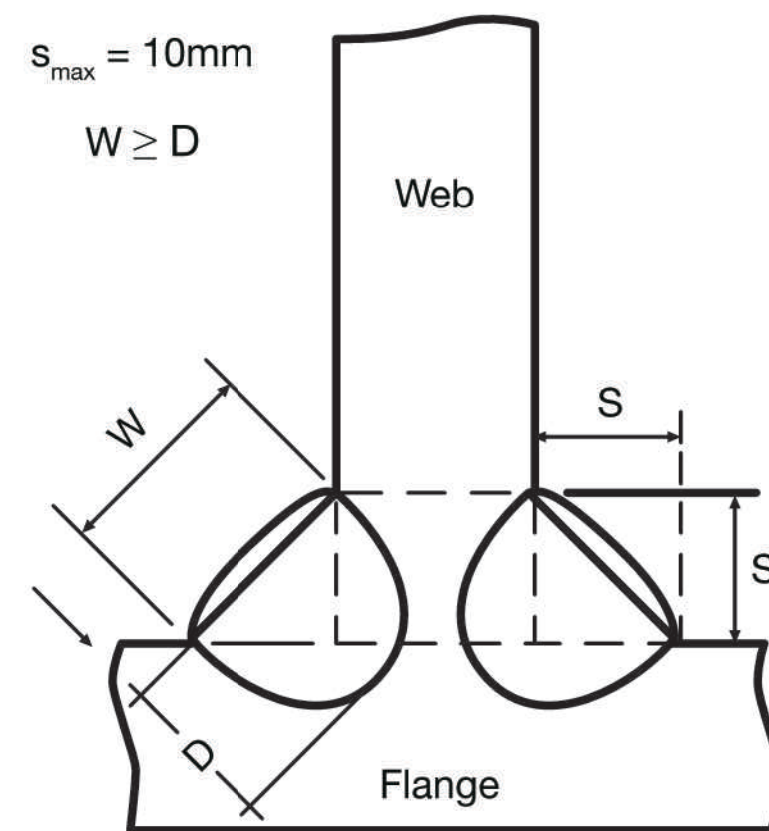
## WELDING

Welds are made using a fully automatic submerged arc welding process.



### FILLET WELD:

Prequalified Joint No F1  
 To Table E3-F1  
 Root Gap 0mm  
 Angle on each side = 90°



S = Fillet Size  
 W = Width  
 D = Depth

## DIMENSIONS - STANDARD RANGE

### WELDED BEAMS

Designation	Depth of Section d	Flange Width b <sub>f</sub>	Flange Thickness t <sub>f</sub>	Web Thickness t <sub>w</sub>	Depth between Flanges d <sub>i</sub>	
kg/m	mm	mm	mm	mm	mm	
1200 WB	455	1200	500	40	16	1120
	423	1192	500	36	16	1120
	392	1184	500	32	16	1120
	342	1184	400	32	16	1120
	317	1176	400	28	16	1120
	278	1170	350	25	16	1120
	249	1170	275	25	16	1120
1000 WB	322	1024	400	32	16	960
	296	1016	400	28	16	960
	258	1010	350	25	16	960
	215	1000	300	20	16	960
900 WB	282	924	400	32	12	860
	257	916	400	28	12	860
	218	910	350	25	12	860
	175	900	300	20	12	860
800 WB	192	816	300	28	10	760
	168	810	275	25	10	760
	146	800	275	20	10	760
	122	792	250	16	10	760
700 WB	178	716	275	28	10	660
	150	710	250	25	10	660
	130	700	250	20	10	660
	115	692	250	16	10	660

### WELDED COLUMNS

Designation	Depth of Section d	Flange Width b <sub>f</sub>	Flange Thickness t <sub>f</sub>	Web Thickness t <sub>w</sub>	Depth between Flanges d <sub>i</sub>	
kg/m	mm	mm	mm	mm	mm	
500 WB	440	480	500	40	40	400
	415	480	500	40	32	400
	383	472	500	36	32	400
	340	514	500	32	25	450
	290	506	500	28	20	450
	267	500	500	25	20	450
	228	490	500	20	20	450
400 WB	361	430	400	40	40	350
	328	430	400	40	28	350
	303	422	400	36	28	350
	270	414	400	32	25	350
	212	400	400	25	20	350
	181	390	400	20	20	350
	144	382	400	16	16	350
350 WC	280	355	350	40	28	275
	258	347	350	36	28	275
	230	339	350	32	25	275
	197	331	350	28	20	275

## WELDED BEAMS / PREVIOUS PROJECTS

Welded Beams delivered direct from the production line, are in the richest grade and highest specifications.



### PRODUCT INSPECTION



### BOX BEAMS



### H-BEAMS



### FINISH PRODUCTS