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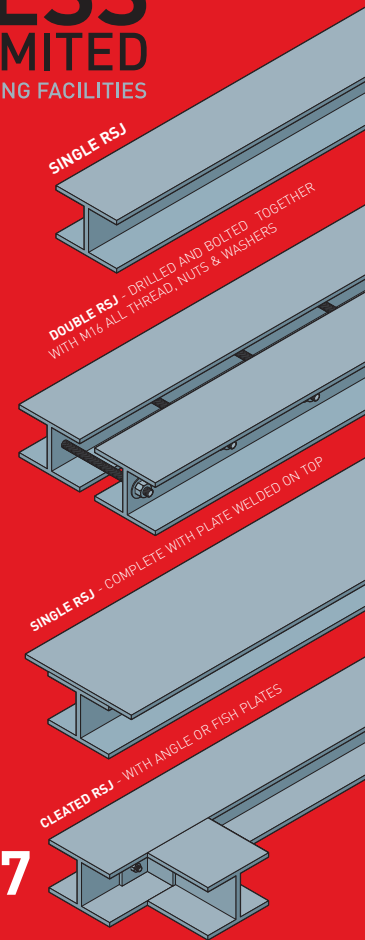
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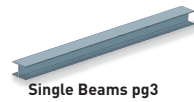
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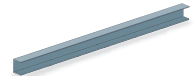
Steelwork for the Building Trade



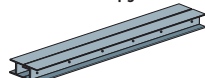
Contents



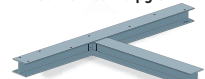
Single Beams pg3



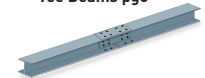
Channels pg 4



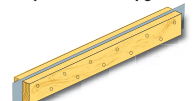
Double Beams pg 5



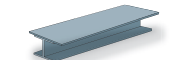
Tee Beams pg6



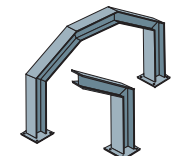
Spliced Beams pg7



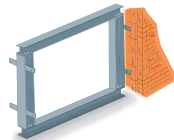
Flitch Plates pg8



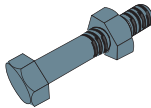
Heavy Duty Lintels pg9



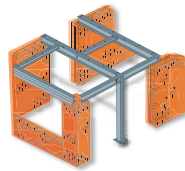
Cranked Beams pg10



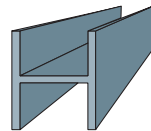
Picture Frames pg11



Other Requirements pg12



Engineers Details pg13
Steel Sections pg14



Steel Sections
Definitions pg 15

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Steel Sections Definitions

Universal Beam (UB)

I' shaped beam but can also be described as 'H' Shaped beam. It is not as it is sometimes misconstrued as a 'U' shape.

Universal Beams are always higher than their width. Sizes range from 127mm high to 915mm high. Dimensions - 1st dimension is always the height - 2nd dimension is always the width - 3rd dimension is always the weight in kilograms per metre.

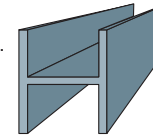


Universal Column (UC)

It can also be described as 'I' shaped beam or an 'H' Shaped beam.

It is not a universal channel, which is common misconception. Sizes range from 100mm high to 305mm high.

Originally designed for usage as posts or columns, however, today's current usage is more frequently in that of a conventional beam. This is mainly due to its reduced height and increased strength as a beam. Dimensions - UC's come in standard sizes and it's height and width are always the same.

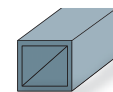
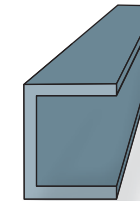


Parallel Flange Channel (PFC)

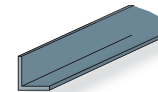
'C' shaped beam this is not a UC.

Sizes range from 50mm high to 400mm high.

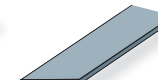
The old term used for PFC was RSC or rolled steel channel this may still be requested.



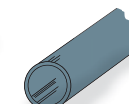
SHS/RHS



ANGLE



FLAT



CHS

NOTE: Holes, Plates, Brackets, etc. not shown as standard can be accommodated 15

Steel Sections

Single Beams

Universal Beam (UB)

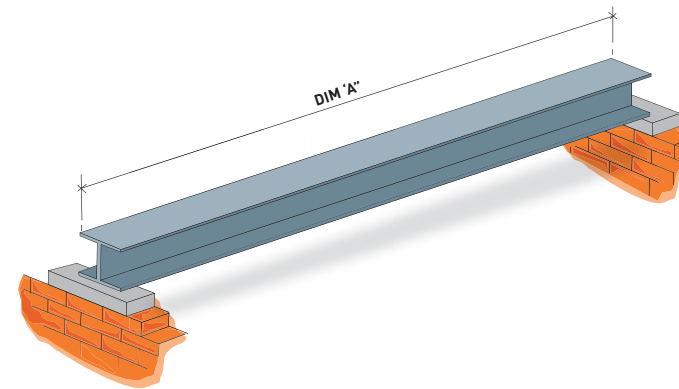
Size mm (normal)	Weight kg/m	Size (ins)	Actual Size
127 x 76	13.00	5" x 3"	127 x 76
152 x 89	16.00	6" x 3 1/2"	152 x 89
178 x 102	19.00	7" x 4"	178 x 102
203 x 102	23.00	8" x 4"	203 x 102
203 x 133	25.00	8" x 5 1/4"	203 x 133
	30.00		207 x 134
254 x 102	22.00	10" x 4"	254 x 102
	25.00		257 x 102
254 x 146	31.00	10" x 5 3/4"	252 x 146
	37.00		256 x 147
	43.00		260 x 148
305 x 102	25.00	12" x 4"	305 x 102
	28.00		309 x 102
	33.00		313 x 103
305 x 127	37.00	12" x 5"	304 x 124
	42.00		307 x 125
	48.00		311 x 125
305 x 165	40.00	12" x 6 1/2"	304 x 166
	46.00		307 x 166
	54.00		311 x 167
356 x 127	33.00	14" x 5"	349 x 126
	39.00		353 x 126
356 x 171	45.00	14" x 6 3/4"	352 x 171
	51.00		356 x 172
	57.00		359 x 173
	67.00		364 x 174
406 x 140	39.00	16" x 5 1/2"	398 x 142
	46.00		403 x 143
406 x 178	54.00	16" x 7"	403 x 178
	60.00		407 x 178
	67.00		409 x 179
	74.00		413 x 180
457 x 191	67.00	18" x 7 1/2"	454 x 190
	74.00		457 x 191
	89.00		464 x 192

Universal Column (UC)

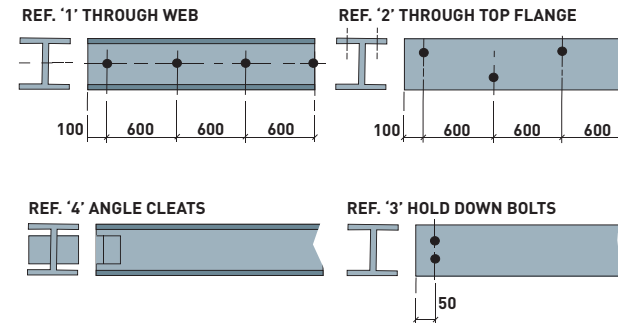
Size mm (normal)	Weight kg/m	Size (ins)	Actual Size
152 x 152	23.00	6" x 6"	152 x 152
	30.00		158 x 153
	37.00		162 x 155
203 x 203	46.00	8" x 8"	203 x 203
	52.00		206 x 204
	60.00		210 x 206
	71.00		216 x 206
	86.00		222 x 209
254 x 254	73.00	10" x 10"	254 x 254
	89.00		261 x 256
	107.00		267 x 259
305 x 305	97.00	12" x 12"	308 x 305
	118.00		315 x 307

Parallel Flange Channel (PFC)

Size mm (normal)	Weight kg/m	Size (ins)
50 x 25	4.00	2" x 1"
51 x 38	5.80	2" x 1 1/2"
76 x 38	6.70	3" x 1 1/2"
76 x 51	9.34	3" x 2"
100 x 50	10.00	4" x 2"
125 x 65	15.00	5" x 2 1/2"
150 x 75	18.00	6" x 3"
150 x 90	24.00	6" x 3 1/2"
180 x 75	20.00	7" x 3"
180 x 90	26.00	7" x 3 1/2"
200 x 75	23.00	8" x 3"
200 x 90	30.00	8" x 3 1/2"
230 x 75	26.00	9" x 3"
230 x 90	30.00	9" x 3 1/2"
260 x 75	28.00	10" x 3"
260 x 90	35.00	10" x 3 1/2"
300 x 90	41.00	12" x 3 1/2"
300 x 100	46.00	12" x 4"

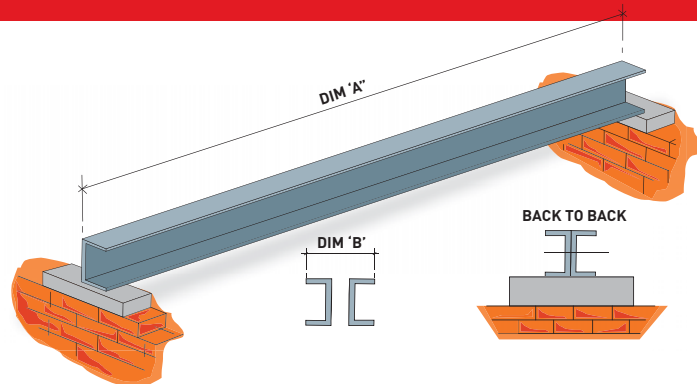


Std. Hole Drillings

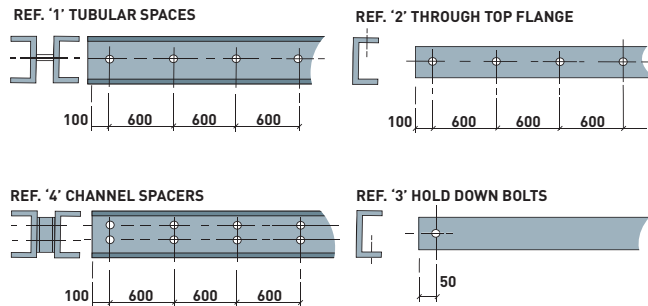


Available 24-48 hours

Channels



Std. Hole Drillings



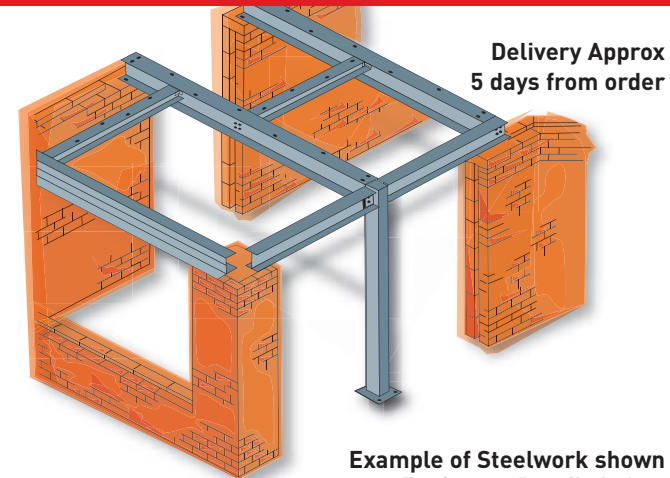
Available 24-48 hours

4

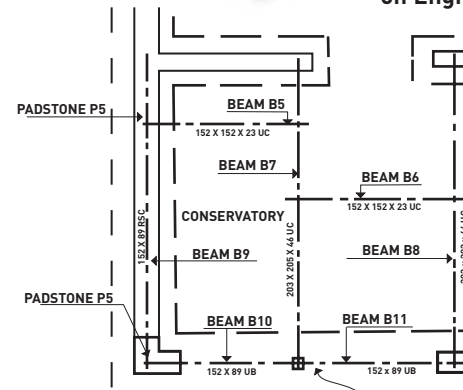
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Engineers Details



Example of Steelwork shown on Engineers Details below



From Engineers detail or simple sketch we can Fabricate & Erect within days

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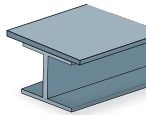
13

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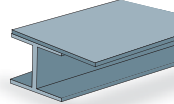
Other Requirements

Typical Standard Examples

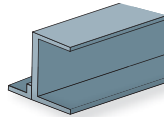
TOP PLATE
REF.TP1



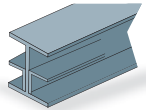
OFFSET TOP PLATE
REF.TP2



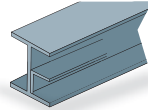
CHANNEL SHELF ANGLE
REF.SA3



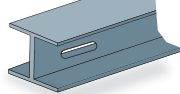
DOUBLE SHELF ANGLES
REF. SA1



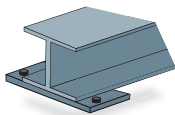
SINGLE SHELF ANGLE
REF. SA2



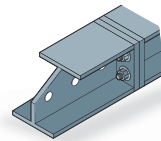
SERVICE HOLES
REF. SH1



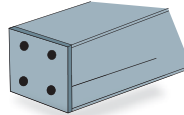
BEARING PLATE
REF. BP1



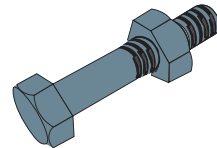
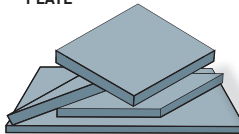
MITRED CUT END
REF. SC1



END PLATES
REF. EP1



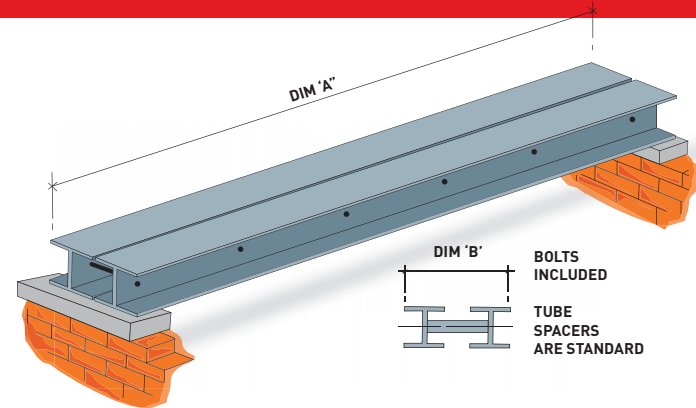
VARIOUS SPREADER
PLATE



BOLTS
RANGE FROM
M10-M30

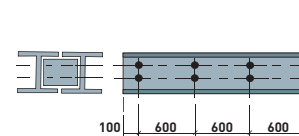
AVAILABLE IN
ANY LENGTH

Double Beams

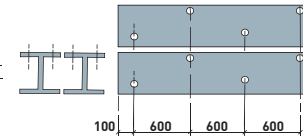


Std. Hole Drillings

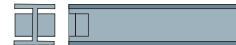
REF. '1' CHANNEL SPACERS



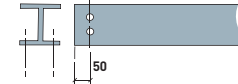
REF. '2' THROUGH TOP FLANGE



REF. '4' ANGLE CLEATS

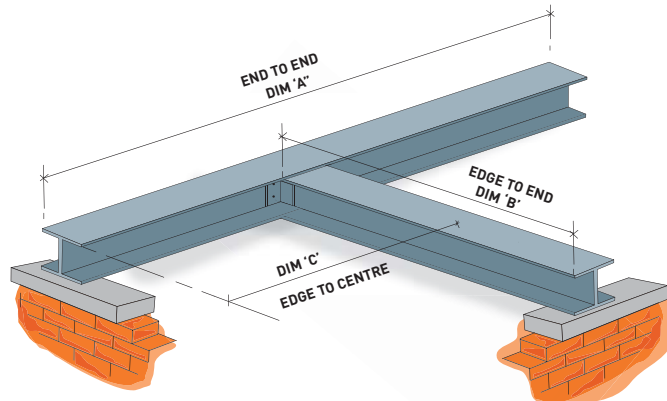


REF. '3' HOLD DOWN BOLTS

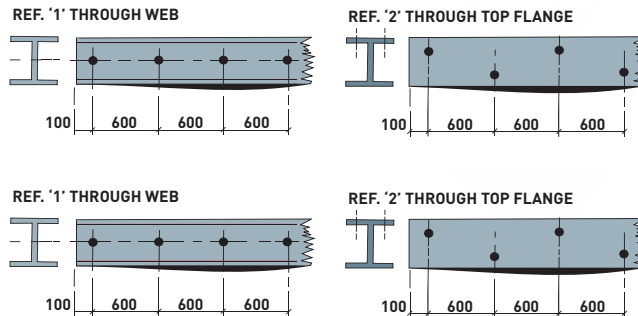


Available 24-48 hours

Tee Beams



Std. Hole Drillings



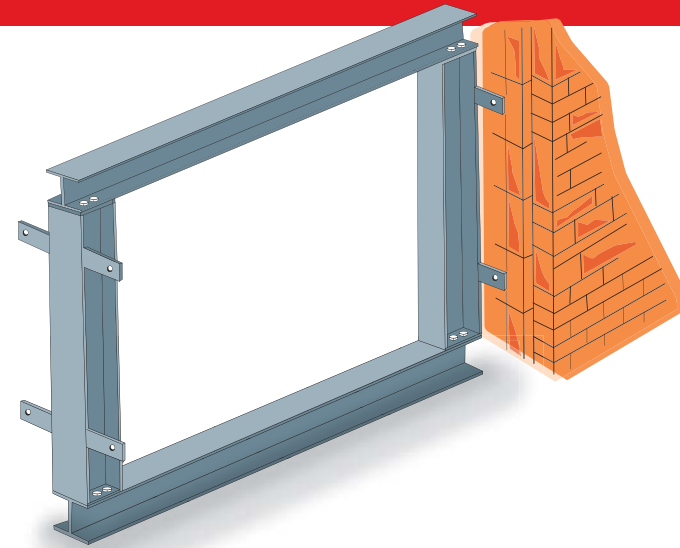
Available 24-48 hours

6

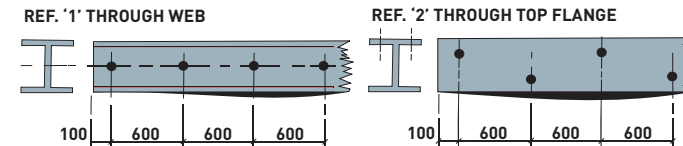
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Picture Frames



Std. Hole Drillings



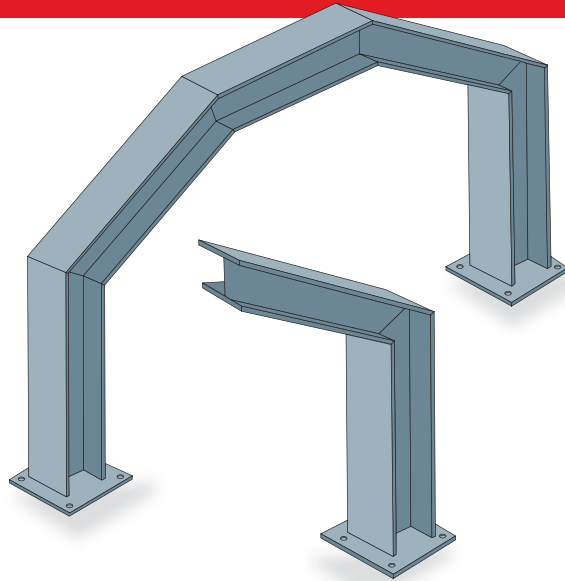
Available 3-5 days

11

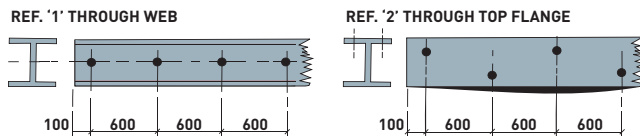
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Cranked Beams



Std. Hole Drillings



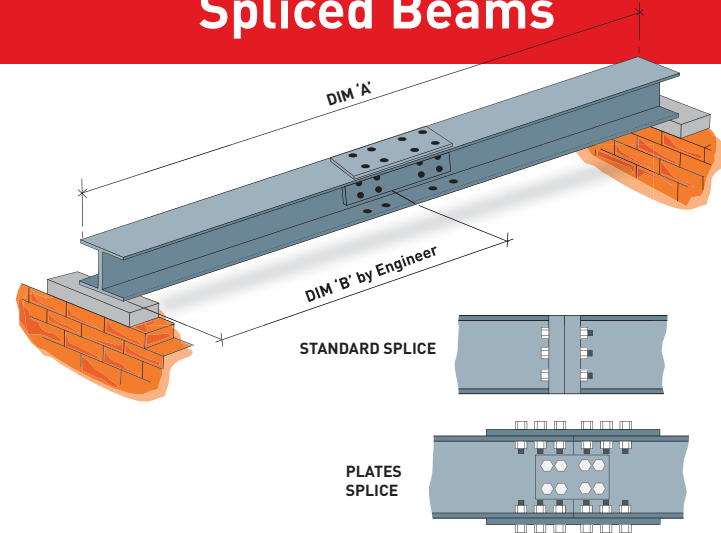
Available 24-48 hours

10

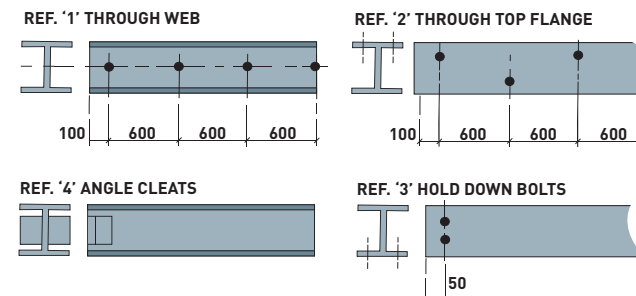
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Spliced Beams



Std. Hole Drillings



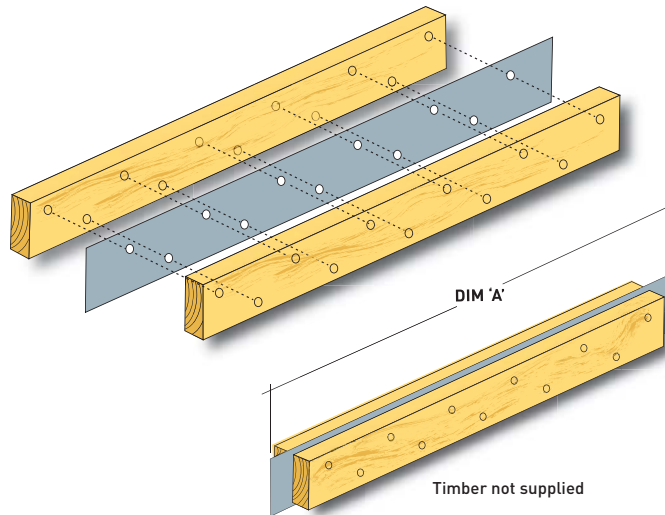
Available 24-48 hours

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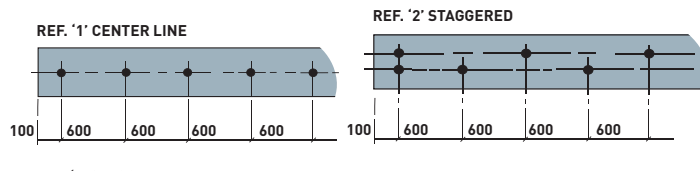
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7

Flitch Plates



Std. Hole Drillings



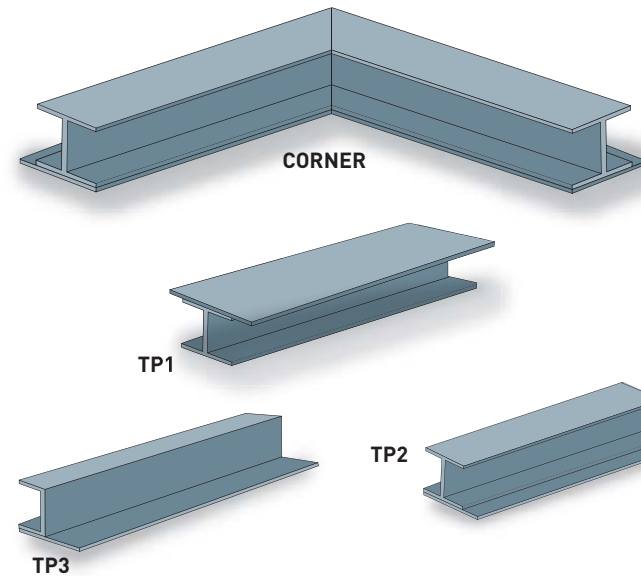
Available 24-48 hours

8

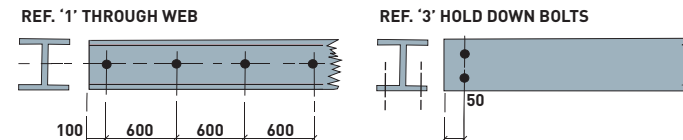
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Heavy Duty Lintels



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9