

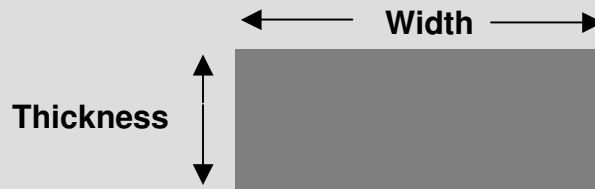
# Special Profiles

## Fork arm flats



Corus Special Profiles is a business unit within the Corus group. We specialise in the manufacture of hot rolled, special shaped steel profiles for a range of industries around the world.

We offer a range of square edged flat profiles for use in making fork arms for forklift trucks. The table below shows the range of sizes available, and the tables overleaf shows standard steel grades. We operate a regular rolling programme for these sizes, please contact us for further details.



Thickness (mm)	Width (mm)		
	150	180	200
40	Standard		
45	Non-standard	Standard	Standard
50	Standard	Non-standard	Standard
55	Non-standard	Standard	
60	Standard	Standard	Non-standard
65	Standard		Standard
70	Standard	Standard	Standard
75	Standard	Standard	Standard
80		Standard	Standard
85			Non-standard
90		Standard	Standard
95			Non-standard
100			Non-standard

- Standard thickness
- Non-standard thickness

Non-standard thicknesses are not available from mill stock, and will require a minimum order quantity of 25 tonnes for a mill rolling.

### Lengths :

Flats are normally supplied in 12 metre lengths, with a cutting tolerance of + 100 / - 0 mm. A maximum of up to 10% of the quantity ordered can be supplied in shorter lengths of 6 or 9 metres.

## Bundling, marking & labelling :

Maximum bundle weight is 4.5 tonnes, with bars stood on shortest edge. Bars from different steel casts, and of different lengths will be bundled separately. Each bar is hard stamped to show cast/heat number. One end of each bar is colour coded to identify different thicknesses of each section.

## Standard steel grades :

Two standard steel specifications are available. They have different alloy content/Jominy hardenability in order to ensure, after quenching and tempering, that mechanical properties can be achieved across the full range of thicknesses. Other steel specifications may be available on request.

	SK ref
150mm wide flats (all thicknesses)	<b>SK 16-3</b>
180mm and 200mm wide flats, up to and including 60mm thick	<b>SK 16-3</b>
180mm and 200mm wide flats, over 60mm thick	<b>SK 1361</b>

		Composition							
		C	Si	S	P	Mn	Cr	Mo	B
<b>SK 16-3</b>	<b>min</b>	0.27	0.15			1.00	0.35		0.0005
	<b>max</b>	0.33	0.35	0.040	0.040	1.30	0.55	0.06	0.0030
<b>SK 1361</b>	<b>min</b>	0.25	0.15			1.00	0.40	0.13	0.0005
	<b>max</b>	0.30	0.35	0.035	0.030	1.30	0.65	0.20	0.0030

		Jominy Hardness (mm)				
		5mm	10mm	15mm	20mm	25mm
<b>SK 16-3</b>	<b>max R</b>	56	54	50	45	40
	<b>min R</b>	48	43	38	32	27

		Jominy Hardness (1/16")		
		J1	J10	J16
<b>SK 1361</b>	<b>max R</b>	53		48
	<b>min R</b>	47	42	

<b>Approx mm :</b>	1.5	16	25
--------------------	-----	----	----



**Karen Wood**  
 Tel : +44 (0) 1287 593008  
 Mob : + 44 (0) 7711 597421  
 Fax : +44 (0) 1287 593009  
 Karen.wood@corusgroup.com  
 www.corus-specialprofiles.com

**Corus Special Profiles**  
 PO Box 1  
 Skinningrove  
 Saltburn  
 TS13 4ET  
 United Kingdom

we don't generalise  
we specialise

