

# Merchant bar Wide flat



Hot rolled, with mill edge  
Technical delivery conditions according to EN 10025-Part 2

## Steel quality

**S235JR/S275JR + AR**

According to EN 10025-Part 2 (material no 1.0038/1.0044)

**Standard length** [mm]

**6 000** (-0/+200) in bundles of 2 t

**other lengths** 4 700 – 12 000 mm

**from rolling, according to agreement**, in bundles of 3 t  
min. 10 t per size and length  
Surcharge : 15,-£/t

## Tolerances

Merchant bar according to EN 10058 (formerly DIN 1017-1)  
Wide flats according to DIN 59200

## Mechanical properties

according to EN 10025-Part 2

Yield point $R_{eH}$	[N/mm <sup>2</sup> ]	min. 275
Tensile strength $R_m$	[N/mm <sup>2</sup> ]	410 - 510
Ultimate elongation A	[%]	min. 26

## Test certificate

Test report 2.2 or inspection certificate 3.1 according to EN 10204

## Welding property

assured ( $C \leq 0.17\%$   $C_{eq} \leq 0.35\%$ )

## Merchant bar

width / thickness [mm]

	8	10	12	15	20	25	30
80	X	X	X	X	X		
100	X	X	X	X	X	X	X
110	X	X	X	X	X		
120	X	X	X	X	X	X	X
130	X	X	X	X	X		
140	X	X	X	X	X		
150	X	X	X	X	X	X	X

## Wide flats

width / thickness [mm]

	8	10	12	15	20	25	30
155	X	X	X	X	X		
160	X	X	X	X	X	X	X
170		X	X	X	X		
180		X	X	X	X	X	
190				X			
200		X	X	X	X	X	
220		X	X	X	X		
240		X	X	X	X		
250		X	X	X	X		
260		X	X	X	X		
280		X	X	X	X		
300		X	X	X	X		

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# Merchant bar Wide flat



Hot rolled, with mill edge  
Technical delivery conditions according to EN 10025-Part 2

## Steel quality

**S355J2 + N**

According to EN 10025-Part 2 (material no 1.0577)

**Standard length** [mm]

**6 000** (-0/+200) in bundles 2 t

**Other lengths** 4 700 – 12 000 mm

**from rolling, according to agreement**, in bundles of 3 t  
min. 75 t per size and length

## Tolerances

Merchant bar according to EN 10058 (formerly DIN 1017-1)  
Wide flats according to DIN 59200

## Mechanical properties

according to EN 10025-Part 2

Yield point $R_{eH}$	[N/mm <sup>2</sup> ]	min. 355
Tensile strength $R_m$	[N/mm <sup>2</sup> ]	470 - 630
Ultimate elongation A	[%]	min. 22

## Test certificate

Inspection certificate 3.1 according to EN 10204

## Welding property

assured ( $C \leq 0.17\%$   $C_{eq.} \leq 0.50\%$ )

## Merchant bar

width / thickness [mm]

	<b>10</b>	<b>12</b>	<b>15</b>	<b>20</b>
<b>150</b>	X	X	X	

## Wide flat

width / thickness [mm]

<b>160</b>	X	X		
<b>180</b>	X	X	X	
<b>200</b>	X	X	X	X
<b>250</b>	X	X	X	
<b>300</b>	X	X	X	

## Other sections

**from rolling, according to agreement**, in bundles of 3 t  
min. 75 t per size and length

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# Merchant bar Wide flat



Hot rolled, with mill edge  
Technical delivery conditions according to EN 10025-Part 2

## Steel quality

## S275JR Grade A for vessel construction

According to EN 10025-Part 2 (material no 1.0044)

### All lengths

4 700 - 12 000 mm

### from rolling, according to agreement,

min. 75 t per size and length  
in crane bundles of 3 t

### Tolerances

Merchant bar according to EN 10058 (formerly DIN 1017-1)  
Wide flats according to DIN 59200

### Mechanical properties

according to EN 10025-Part 2

Yield point $R_{eH}$	[N/mm <sup>2</sup> ]	min. 235
Tensile strength $R_m$	[N/mm <sup>2</sup> ]	400 - 520
Ultimate elongation A	[%]	min. 22

### Test certificate

Inspection certificate Germanischer Lloyd 3.2  
according to EN 10204

### Welding property

assured ( $C \leq 0.17\%$   $C_{eq} \leq 0.35\%$ )

### Merchant bar

width / thickness [mm]

	8	10	12	15	20	25	30
80	X	X	X	X	X		
100	X	X	X	X	X	X	X
110	X	X	X	X	X		
120	X	X	X	X	X	X	X
130	X	X	X	X	X		
140	X	X	X	X	X		
150	X	X	X	X	X	X	X

### Wide flat

width / thickness [mm]

	8	10	12	15	20	25	30
155	X	X	X	X	X		
160	X	X	X	X	X	X	X
170		X	X	X	X		
180		X	X	X	X	X	
190				X			
200		X	X	X	X	X	
220		X	X	X	X		
240		X	X	X	X		
250		X	X	X	X		
260		X	X	X	X		
280		X	X	X	X		
300		X	X	X	X		

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