

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 : 150,-DDK/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 ²]	min. 275
Tensile strength R_m	[N/mm ²]	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 ²]	min. 355
Tensile strength R_m	[N/mm ²]	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]

	10	12	15	20
150	X	X	X	

Wide flat

width / thickness [mm]

160	X	X		
180	X	X	X	
200	X	X	X	X
250	X	X	X	
300	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 ²]	min. 235
Tensile strength R_m	[N/mm ²]	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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