

Technical information

Hollow bars in grade E470

Yield strength MPa					Tensile strength MPa					Extension A ₅ %
Wall in mm					Wall in mm					
≤ 16	> 16 ≤ 25	> 25 ≤ 40	> 40 ≤ 50	> 50 ≤ 65	≤ 16	> 16 ≤ 25	> 25 ≤ 40	> 40 ≤ 50	> 50 ≤ 65	min. 17% longitudinally
470	460	430	430	400	650	620	600	550	520	

Chemical composition

C%	Si%	Mn%	P%	S%	Al%	N%	V%
0.16-0.22	0.10-0.50	1.30-1.70	≤0.030	0.015-0.050	min 0.010	≤0.020	0.08-0.15

Tolerance of delivery size specified by the manufacturer

OD ≤ 75 mm	± 0.5 mm
75 mm < OD ≤ 180 mm	± 0.75%
OD > 180 mm	± 1%

OD ≤ 180 mm	Tolerance	OD > 180 mm	Tolerance
Wall ≤ 15 mm	+/-12.5% or +/-0,4 mm - whichever is greater	Wall ≤ 30 mm	± 12.5%
Wall > 15 mm	± 10%	Wall > 30 mm	± 10%