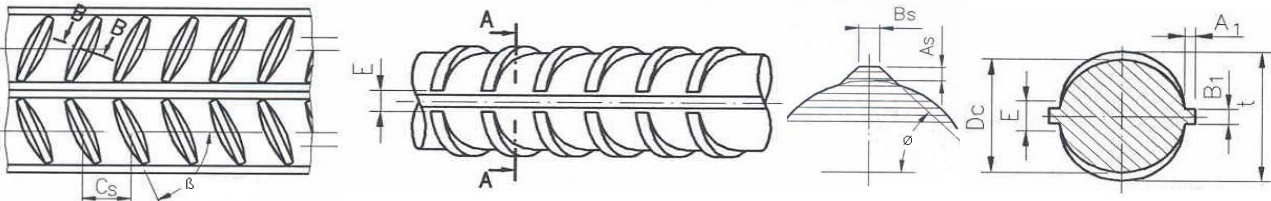


**RIB GEOMETRY**



**DEFORMATION REQUIREMENTS**

		8	10	12	14	16	18	20	22	24	25	26	28	30	32	40	EXPLANATIONS	
Cross sectional area (mm <sup>2</sup> )		50.3	78.5	113.0	154.0	201.0	254.4	314.0	380.0	452.2	491.0	531.0	616.0	706.5	804.0	1257.0		
Unit Weight (kg/m)	min	0.371	0.589	0.848	1.156	1.509	1.910	2.359	2.851	3.390	3.677	3.980	4.613	5.300	6.026	9.416	±6,0% ≤ 8mm ±4,5% > 8mm	
	nom	0.395	0.617	0.888	1.210	1.580	2.000	2.470	2.985	3.550	3.850	4.168	4.830	5.550	6.310	9.860		
	max	0.419	0.645	0.928	1.264	1.651	2.090	2.581	3.119	3.710	4.023	4.356	5.047	5.800	6.594	10.304		
Transversal rib height	As	min	0.24	0.30	0.36	0.42	0.48	0.54	0.60	0.66	0.72	0.75	0.78	0.84	0.90	0.96	1.20	(Table: 8)
	max	1.20	1.50	1.80	2.10	2.40	2.70	3.00	3.30	3.60	3.75	3.90	4.20	4.50	4.80	6.00		
Transversal rib width	Bs	min																
	max																	
Transversal rib space	Cs	min	3.20	4.00	4.80	5.60	6.40	7.20	8.00	8.80	9.60	10.00	10.40	11.20	12.00	12.80	16.00	(Table: 8)
	max	9.60	12.00	14.40	16.80	19.20	21.60	24.00	26.40	28.80	30.00	31.20	33.60	36.00	38.40	48.00		
Rib-Tip distance	E	min																
	max	3.14	3.93	4.71	5.50	6.28	7.07	7.85	8.64	9.42	9.82	10.21	11.00	11.78	12.57	15.71	(Sec. 7.4.2.2)	
Longitudinal rib height	A1	min																
	max	1.20	1.50	1.80	2.10	2.40	2.70	3.00	3.30	3.60	3.75	3.90	4.20	4.50	4.80	6.00	(Sec. 7.4.2.3)	
Longitudinal Rib Width	B1	min																
	max																	
Rib slope	β	min	35°	35°	35°	35°	35°	35°	35°	35°	35°	35°	35°	35°	35°	35°	(Table: 8)	
	max	75°	75°	75°	75°	75°	75°	75°	75°	75°	75°	75°	75°	75°	75°			
Rib angle	Ø	min	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	(Sec. 7.4.2.2)	
	max																	
Rib Area (mm <sup>2</sup> )	Fr	min	0.040	0.040	0.040	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	(Table: 9)	
	max																	
Diameter of mandrel for bend (mm)		5d	5d	5d	5d	5d	5d	5d	5d	5d	5d	5d	5d	5d	5d	5d	180° bend.	
Diameter of mandrel for re-bend (mm)																		

**MECHANICAL REQUIREMENTS**

**CHEMICAL REQUIREMENTS**

				EXPLANATIONS								EXPLANATIONS			
Yield Strength	Re	MPa	min	<b>420</b>					Heat %	Product %		Heat %	Product %		
			max												
Tensile Strength	Rm	MPa	min						C	min		P	min		
			max												
Rm / Re			min	<b>1.15</b>	<b>Re act / Re nom &lt; 1,30</b>				Si	min		S	min		
			max	<b>1.35</b>											
Uniform elongation	A5	%	min	<b>12.0</b>					Mn	min		N	min		
			max												
Elongation to fracture	Agt	%	min	<b>7.5</b>					Cu	min		Ceq	min		
			max												

**MARKING**

