Table 1: Tolerances for linear dimensions

Tolerance class	Plange of nominal sizes, I, in mm										
	2 to 30	Over 30 up to 120	Over 120 up to 400	Over 400 up to 1 000	Over 1 000 up to 2 000	Over 2 000 up to 4 000	Over 4 000 up to 8 000	Over 8 000 up to 12 000	Over 12 000 up to 16 000	Over 16 000 up to 20 000	Over 20000
	Tolerances, r, in mm										
A	±1	± 1	4.7	±2	± 3	+ 4	± 5	= 6	± 7	± 8	± 9
В		±2	# 2	± 3	1 4	= 6	+ 8	= 10	± 12	± 14	± 16
C		1.3	3.74	z 6	* *	4.77	3:14	= 18	± 275	±24	±27.
D		4.4	4.7	± 9	4.12	± 16	± 211	+ 27	± 32	± 36	± 40

4.2 Tolerances for angular dimensions

The length of the shorter angle leg shall be used to determine, on the basis of table 2, which tolerances are to apply. The length of the leg may also be assumed to extend to a specified reference point. In this case, the reference point concerned shall be indicated on the drawing.

See table 2 for the relevant tolerances.

Figures 1 to 5 show examples of how the shorter angle leg. I, is to be represented.

4.3 Straightness, flatness and parallelism tolerances

The straightness, flatness and parallelism tolerances as specified in the table 3 apply both for the overall dimensions of a weldment, a welding assembly, or a welded structure, and also for sections for which the dimensions are indicated.

Other tolerances of form and position (e.g. coaxiality and symmetry tolerances) have not been specified. If such tolerances are required for functional reasons, they shall be indicated on the drawings, as specified in prEN ISO 1101.

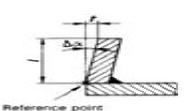
5 Indications on drawings

The designation of the selected tolerance class as specified in tables 1 and 2 (e.g. EN ISO 13920-B) or its combination with a tolerance class as specified in table 3 (e.g. EN ISO 13920-BE), shall be entered in the appropriate area on the drawing.

Table 2: Tolerances for angular dimensions

	Range of nominal sizes, I, in mm (length or shorter leg)						
Toterance class	Up to 400	Over 400 up to 1000	Over 1000				
		Folerances. Ac egrees and mir					
^	± 20	± 15	± 10				
В.	± 45	± 30	± 20				
G	± 17	2.45	±.30				
D	± 1°30	± 1°15	± 1°				
	Calculated i	and rounded to in mm/m")	olerances, f,				
A	± 6	± 4,5	# 3				
8	± 13	t 0	+ 0				
c	± 18	± 13					
D	± 26	± 22	± 18				

The value indicated in mm/m corresponds to the tangent value of the general tolerance. It is to be multiplied by the length, in m, of the shorter leg.



Reference point

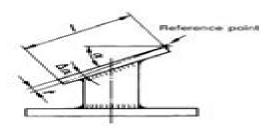


Figure 1

Figure 2

Figure 3

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