



# EN10029:1991

## dimensional tolerances

EN10029:1991		Tolerances on the nominal thickness							
Nominal thickness	Class A		Class B		Class C		Class D		
	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	
	≥ 3 < 5	-0,4	+0,8	-0,3	+0,9	-0	+1,2	-0,6	+0,6
≥ 5 < 8	-0,4	+1,1	-0,3	+1,2	-0	+1,5	-0,75	+0,75	
≥ 8 < 15	-0,5	+1,2	-0,3	+1,4	-0	+1,7	-0,85	+0,85	
≥ 15 < 25	-0,6	+1,3	-0,3	+1,6	-0	+1,9	-0,95	+0,95	
≥ 25 < 40	-0,8	+1,4	-0,3	+1,9	-0	+2,2	-1,1	+1,1	
≥ 40 < 80	-1,0	+1,8	-0,3	+2,5	-0	+2,8	-1,4	+1,4	
≥ 80 < 150	-1,0	+2,2	-0,3	+2,9	-0	+3,2	-1,6	+1,6	
≥ 150 < 250	-1,2	+2,4	-0,3	+3,3	-0	+3,6	-1,8	+1,8	

EN10029:1991		Special tolerances for flatness			
Class N		Dimensions in mm			
Nominal thickness	Steel type L (t)		Steel type H (t)		
	Measuring Length				
	1000	2000	1000	2000	
≥ 3 < 5	9	14	12	17	
≥ 5 < 8	8	12	11	15	
≥ 8 < 15	7	11	10	14	
≥ 15 < 25	7	10	10	13	
≥ 25 < 40	6	9	9	12	
≥ 40 < 250	5	8	8	11	

If the distance between the points of contact of the straight-edge and the plate is <1000 mm the permissible deviation from flatness shall comply with the following requirements:

For steel type L max. 1% or for steel type H max. 1,5% of the distance between points of contact on the plate between 300mm to 1000mm, but not exceeding the values given in table 4.



Tolerances on the nominal thickness						Dimensions in mm
Nominal plate width						
> 600 < 2000	> 2000 < 2500	> 2500 < 3000	> 3000 < 3500	> 3500 < 4000	> 4000	
0,8	0,9	0,9	-	-	-	
0,9	0,9	1,0	1,0	-	-	
0,9	1,0	1,0	1,1	1,1	1,2	
1,0	1,1	1,2	1,2	1,3	1,4	
1,1	1,2	1,2	1,3	1,3	1,4	
1,2	1,3	1,4	1,4	1,5	1,6	
1,3	1,4	1,5	1,5	1,6	1,7	
1,4	1,5	1,6	1,6	1,7	-	

Special tolerances for flatness						
Class S						
Nominal thickness	Steel type L				Steel type H	
	Plate width					
	< 2750		< 2750			
Measuring Length						
	1000	2000	1000	2000	1000	2000
≥ 3 < 5	4	8	5	10	Shall be agreed at the time of enquiry and order Option 6	
≥ 5 < 8	3	6	3	6		

If the distance between the points of contact of the straight-edge and the plate is < 1000mm the permissible deviation from flatness shall comply with the following requirements:

Max. 0,5% of the distance between the points of contact, but not exceeding the values in table 5 and not <2mm.

