

**Korbbogen heads (R=0,8D r=0,154D) - DIN 28013**

General information					Material			
Diam. (D) outside	Thickness (S)	Height (H) outside	Capacity	Weight	S235JRG2	P265GH	1.4301	1.4404
(mm)	(mm)	(mm)	(litre)	(kg)				
168	3	64	1.03	1.1				ST
168	5	65	0.9	1.8		ST		
168	10	83	0.85	4		ST		
244,5	7	89	2.62	5		ST		
273	5	93	3.45	4.2				ST
273	7	97	3.58	6.1		ST		
273	10	110	3.62	9.2		NS		
298	7	103	4.56	7.1	NS			
324	5	106	5.57	5.7	NS			ST
324	10	123	5.83	12.4	NS			
350	3	110	7.15	3.9	ST		NS	ST
350	5	112	6.92	6.6		ST		
356	8	129	7.97	11.9		ST		
356	12	142	8.22	18.7		ST		
368	6	120	7.86	9		ST		
368	8	132	8.1	13		ST		
406	5	127	10.46	8.7	ST			ST
406	6	130	10.4	10.8		ST		
406	10	144	10.94	18.8		ST		
419	5	130	11.52	9	ST			
450	5	137	14.21	10.6		ST		
457	12	168	16.44	29.5		ST		
500	5	150	19.06	13		ST		
508	8	167	20.23	22.9		ST		
508	11	180	22.34	32.7		ST		
550	3	161	25.58	9.4				ST
550	7	168	25.85	20.3		ST		
560	12	189	29.04	42.4		ST		
600	4	175	32.47	14.7			ST	ST
600	5	176	32.17	18.4		ST		
609	8	193	34	32.1		ST		
609	10	195	34.73	39.4		ST		
700	3	200	51	14.9			ST	ST
700	5	201	50.18	24.8		ST		
700	8	216	50.78	41.6		ST		
712	11	232	57.66	61		ST		
750	3	212	62.23	17.1				ST
750	6	217	60.8	34.4		ST		
762	12	241	69.45	75		ST		
800	8	232	74.71	54		ST		
800	11	255	80.23	76		ST		
900	6	255	103.4	49		ST		
950	6	268	121	54		ST		
1000	6	280	141	61		ST		

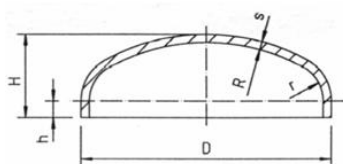
\* Heads with a centerhole 36mm.

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ST = standard

NS = non standard

# Korbbogen Head (ellipsoidal) acc. DIN 28013



D	=	outside dimension
s	=	wall thickness before forming
r	=	inside knuckle radius (0,154D)
R	=	inside radius (R=0,8D)
h	=	Straight flange height ( $\approx 3 \times s$ )
H	=	total height ( $-0,251D + s + h$ )

## Tolerances

Material	Diameter in mm	Tolerance (on the circular)
Unalloyed steel and Low alloy steel	D < 100	+3 / -3 mm
	100 ≤ D < 300	+4 / -4 mm
	300 ≤ D < 1000	+0.4 / -0.4 %
	1000 ≤ D < 4000	+0.3 / -0.3 %
Stainless steel	D < 100	+3 / -3 mm
	100 ≤ D < 300	+5 / -5 mm
	300 ≤ D < 4000	+ 0,5 / -0,7 %

## Height (H)

+10/-0 mm or +0,015D/-0 mm (*highest value*)

## Roundness

$$U = \frac{2(D_{\max} - D_{\min})}{D_{\max} + D_{\min}} \times 100\% \quad (\text{max } 1\%) \quad (D_{\max} - D_{\min} \text{ max. } 30\text{mm})$$