

Decimal heads (R=D r=0,1D) - DIN 28011								
General information					Material			
Diam. (D) outside (mm)	Thickness (S) (mm)	Height (H) outside (mm)	Capacity (litre)	Weight (kg)	S235JRG2	P265GH	1.4301	1.4404
34	3	17 (Non-DIN)			NS			NS
38	3	16 (Non-DIN)					NS	
42	3	19 (Non-DIN)			NS			
44	3	15 (Non-DIN)			NS			
57	3	23 (Non-DIN)			NS		NS	NS
60	3	16 (Non-DIN)			NS			
60	3	25 (Non-DIN)					NS	
63	3	26 (Non-DIN)			NS			
70	3	26 (Non-DIN)	0.11	0.21	NS			NS
76	3	31	0.16	0.29				NS
89	4	39	0.19	0.43	ST			ST
89	5	40	0.19	0.53		ST		
95	4	36 (Non-DIN)	0.22	0.46	NS			
102	3	41	0.27	0.38				ST
102	4	42	0.27	0.51	ST			
114	4	44	0.35	0.66				ST
114	5	45	0.35	0.82		ST		NS
133	4	48	0.51	0.84	NS			
140	4	49	0.58	0.96				ST
152	3	51	0.71	0.8				ST
152	4	52	0.71	1.06	ST			
159	3	52	0.79	0.88	NS			
159	4	53	0.79	1.2	NS			ST
159	5	54	0.79	1.4		ST		
164	1.5	45	0.85	0.5				ST
168	3	54	0.83	1				ST
206	3	61	1.43	1.5				ST
219	4	62	1.64	2.1			ST	ST
219	7	68	1.66	3.7		ST		
250	2	65	2.43	1.3			ST	
250	3	70	2.38	1.95	NS			ST
250	4	71	2.33	2.6	NS			
273	4	75	2.96	3.1			ST	ST
273	6	79	3.1	4.8		ST		
273	7	80	3.05	5.6		ST		
300	2	79	3.96	1.8			ST	
300	3	80	3.89	2.8	ST		ST	ST
306	3	85	4.1	2.8				ST
318	8	100	4.94	8.6	NS			
324	4	85	4.71	4.2				ST
324	8	102	5.15	9.4		ST		
356	3	90	6.2	3.7				ST
356	4	91	6.1	5.1			ST	ST
356	5	92	6	6.3	ST			
385	3	96	7.7	4	NS			
400	3	98	8.54	4.7			ST	ST
400	4	99	8.43	6.3				ST
406	3	100	8.91	4.8			ST	ST
450	3	108	11.85	5.8			ST	ST
450	4	109	11.7	7.8			NS	ST
450	5	114	11.54	9.8	ST			

Diam. (D) outside (mm)	Thickness (S) (mm)	Height (H) outside (mm)	Capacity (litre)	Weight (kg)	S235JRG2	P265GH	1.4301	1.4404
457	8	128	13.15	17.4		ST		
500	3	117	15.9	7.2			ST	ST
500	4	118	15.7	9.6				ST
508	5	121	16.2	12.2		ST		ST
508	8	137	17.6	21.2	NS			
550	4	128	20.5	11.4				ST
600	3	137	26.5	10.1			ST	ST
650	3	147	33.2	11.8			ST	ST
650	10	167	35.9	41.5		ST		
700	3	157	41	13.6			ST	ST
800	3	176	59.9	17.6			ST	ST
800	4	177	59.3	23.4			ST	ST
800	5	178	58.8	29.3				ST
800	6	182	61.1	35.8		ST		
*903 (r=25)	3	ca190	73	20				ST
950	3	205	98.1	24.5			ST	ST
1000	3	215	113.7	27.2			ST	ST
1000	4	216	113.1	36.3				ST
1000	5	217	112.4	45.1	ST			
1100	3	234	149.7	32.8				ST
1200	3	253	192.6	38.7			ST	ST

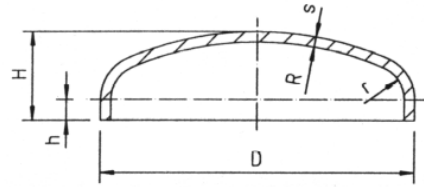
ST = standard

NS = non standard

Non-DIN = height not in acc with DIN 28011

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Decimal (torispherical) heads acc. DIN 28011



D	=	outside dimension
s	=	wall thickness before forming
r	=	inside knuckle radius (0,1D)
R	=	inside radius (R=D)
h	=	Straight flange height ($\approx 3,5 \times$
H	=	total height ($0,192D + s + h$)

Tolerances

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

Height (H)

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

Roundness

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