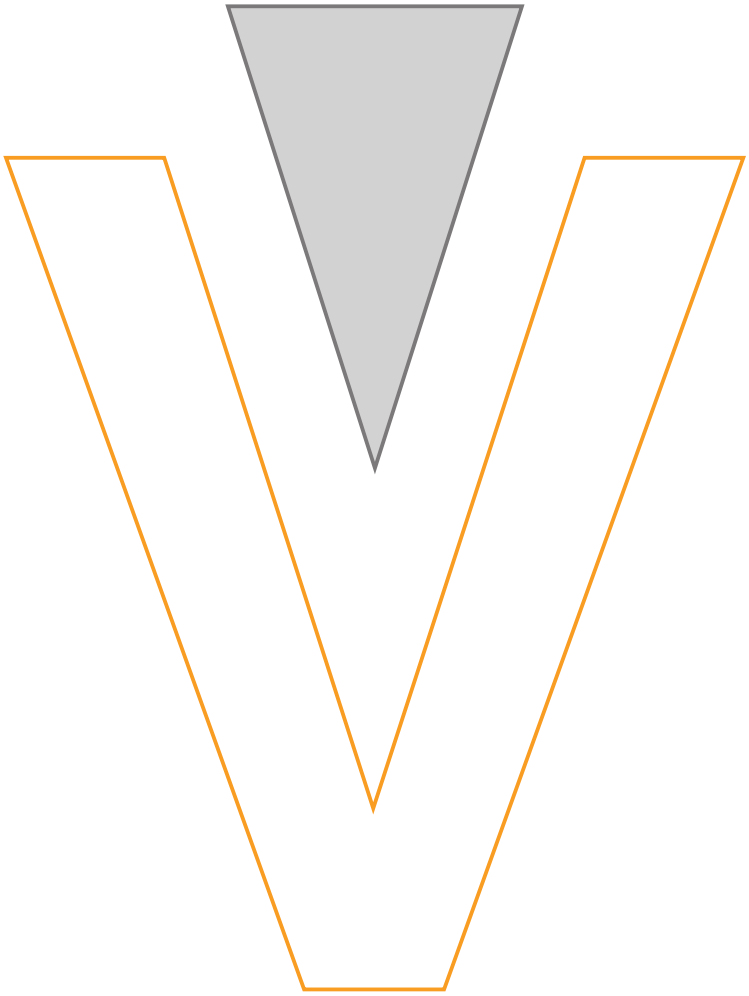
VARINOX

Product Sheet



torispherical head DIN 28011

made of stainless steel

DN	D	s	H	h1	Art.-Nr.
15	21,3	2,0	15,0	10	CA-021-020
20	26,9	2,0	17,0	11	CA-026-020
25	33,7	2,0	20,0	12	CA-033-020
32	42,4	2,0	20,0	11	CA-042-020
40	48,3	2,0	20,0	10	CA-048-020
40	48,3	3,0	22,0	11	CA-048-030
50	60,3	2,0	23,0	10	CA-060-020
50	60,3	3,0	25,0	12	CA-060-030
65	76,1	2,0	25,0	9	CA-076-020
65	76,1	3,0	27,0	11	CA-076-030
80	88,9	2,0	38,0	20	CA-088-020
80	88,9	3,0	39,0	20	CA-088-030
100	114,3	2,0	40,0	20	CA-114-020
100	114,3	3,0	44,0	20	CA-114-030
125	139,7	2,0	47,0	19	CA-139-020
125	139,7	3,0	49,0	20	CA-139-030
150	168,3	2,0	54,0	20	CA-168-020
150	168,3	3,0	54,0	20	CA-168-030
200	219,1	2,0	64,0	21	CA-219-020
200	219,1	3,0	64,0	20	CA-219-030
250	273,0	3,0	74,0	20	CA-273-030
250	273,0	4,0	75,0	20	CA-273-040
300	323,9	3,0	84,0	20	CA-323-030
300	323,9	4,0	85,0	20	CA-323-040

available material: ask

Reducers & Caps › torispherical heads

DIN 28011

DIN 28011 covers one-piece heads, with or without weld seams, with an outside diameter of

Da ≤ 4000 mm and nominal wall thickness s ≤ 50 mm.

Specification
r1 = Da
r2 = 0,1 * Da
Da = Do = D
h1 ≥ 3,5 * s
h2 = 0,1935 * Da - 0,455 * s
h3 = h1 + h2
V ≈ 0,1 * (Da-2 * s)3 without flange height h1
Aa ≈ 0,99 * Da2 without flange height h1
Ai ≈ 0,99 * (Da - 2 * s)2 without flange height h1

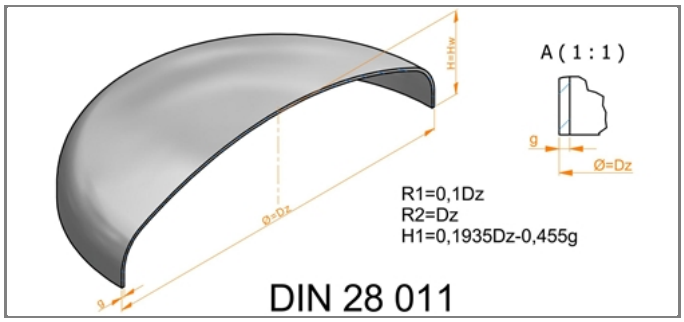
h: height | r: radius | Da: outer-Ø | s: wall thickness | V: volume | Aa/ Ai: external and/or internal surface

Tolerances

Tolerance limits for the internal height h3

- upper deviation: + 0.015 * Da or 10 mm (the larger value is permissible in each case)
- lower deviation: 0

Edge shapes
Shape R (roh)
Shape I (plan)
Shape VA (outside V-groove weld, 30°)
Shape VI (inside V-groove weld, 30°)


A (1 : 1)
H=Hw
g
Ø=Dz
R1=0,1Dz
R2=Dz
H1=0,1935Dz-0,455g
DIN 28 011