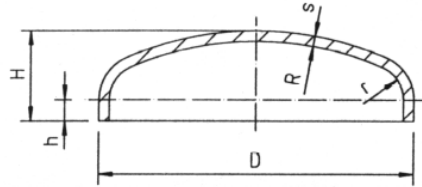


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Decimal (torispherical) heads acc. DIN 28011



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

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