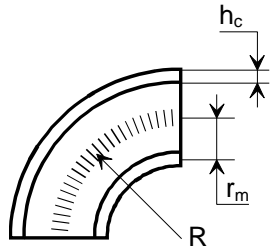
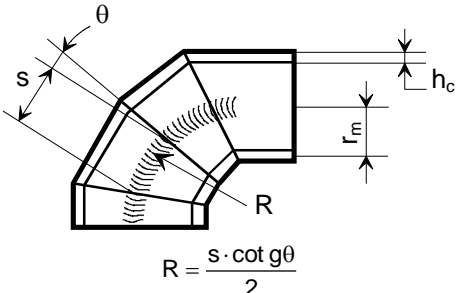
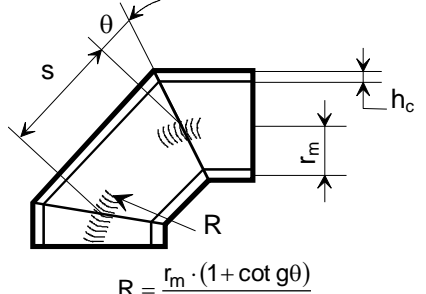
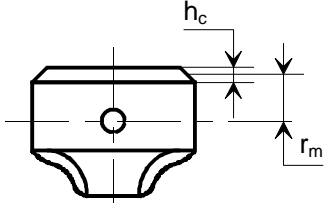
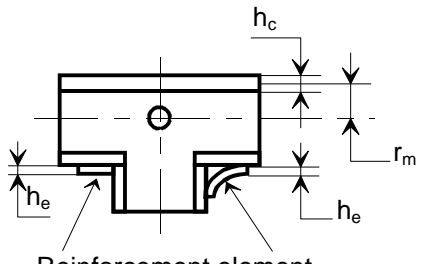


Figure RD 3682: stress factors

Description	Flexibility characteristic f	Flexibility factors	Stress factors i	Sketches
Straight pipe	1	1	1	
Welded elbow or pipe bend (1), (2), (3)	$\frac{h_c \cdot R}{r_m^2}$	$\frac{1,65}{f}$	$\frac{0,9}{f^{2/3}}$	
Mitre elbows $s < r_m \cdot (1 + \text{tg}\theta)$ (1), (2), (3)	$\frac{h_c \cdot R}{r_m^2}$	$\frac{1,52}{f^{5/6}}$	$\frac{0,9}{f^{2/3}}$	 <p style="text-align: center;">$R = \frac{s \cdot \cot g\theta}{2}$</p>
Mitre elbows $s \geq r_m \cdot (1 + \text{tg}\theta)$ (1), (2), (4)	$\frac{h_c \cdot R}{r_m^2}$	$\frac{1,52}{f^{5/6}}$	$\frac{0,9}{f^{2/3}}$	 <p style="text-align: center;">$R = \frac{r_m \cdot (1 + \cot g\theta)}{2}$</p>
Welded tee per ANSI B 16.9 (1), (2)	$4,4 \cdot \frac{h_c}{r_m}$	1	$\frac{0,9}{f^{2/3}}$	
Reinforced fabricated tee (1), (2), (5)	$\frac{(h_c + 0,5 \cdot h_e)^{5/2}}{r_m \cdot h_c^{3/2}}$	1	$\frac{0,9}{f^{2/3}}$	 <p style="text-align: center;">Reinforcement element</p>
Unreinforced fabricated tee (1), (2)	$\frac{h_c}{r_m}$	1	$\frac{0,9}{f^{2/3}}$	