



HSV Expansion anchor



Basic loading data (for a single anchor)

All data in this section applies to:

- Correct setting (See setting instruction)
- No edge distance and spacing influence
- Concrete as specified in the table
- Steel failure
- Minimum base material thickness
- Concrete C 20/25, $f_{ck,cube} = 25 \text{ N/mm}^2$

Effective anchorage depth for static ^{a)}

Anchor size			M8		M10		M12		M16	
Eff. anchorage depth range	h_{ef}	[mm]	30	40	40	50	50	65	65	80

a) HSV-F only for sizes M10, M12 and M16

Recommended Loads:

Anchor size			M8		M10		M12		M16	
Tension N_{Rd}	HSV / HSV-BW	[kN]	3,3	4,8	5,7	6,7	6,9	9,5	10,5	14,3
	HSV-F		-	-	4,8	6,7	6,9	9,5	10,5	14,3
Shear V_{Rd}	HSV / HSV-BW	[kN]	4,0	4,9	6,1	8,2	8,5	12,9	24,2	24,2
	HSV-F		-	-	6,1	8,2	8,5	12,9	24,2	24,2