

Loads

Washbasin and urinal fixings

Recommended loads¹⁾ for a single anchor.

The given loads are valid for stud screws with the specified diameter.

Type		WD 8x90 WD 8x110	WD 10x120 WD 10x140	WST 10x140 BO 120	WST 12x150 WST 12x180	UST 8x110	UST 10x120	WL 7x60	WL 8x70	WL 10x80	
Screw diameter	[mm]	8	10	10	12	8	10	7	8	10	
Recommended loads in the respective base material $F_{rec}^{2)}$											
Concrete	≥ C20/25	[kN]	0.90	0.90	0.90	1.80	0.90	0.90	1.10	1.10	1.50
Solid brick	≥ Mz 12	[kN]	0.50	0.50	0.50	0.80	0.50	0.50	- ³⁾	- ³⁾	- ³⁾
Perforated sand-lime brick	≥ KSL 12	[kN]	0.40	0.40	0.40	0.80	0.40	0.40	-	-	-
Vertically perforated brick	≥ HLz 12	[kN]	0.20	0.30	0.30	0.40	0.20	0.30	-	-	-
Aerated concrete	≥ AAC 4	[kN]	0.30	0.30	0.30	0.70	0.30	0.30	0.16	0.16	0.28

¹⁾ Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

²⁾ Valid for shear load and 10° inclined pull.

³⁾ Due to that the failure of the substrate varies too much no reproducible values can be given.