

Stud expander-shell bolt (express bolt)

General information:

The stud expander-shell bolt is manufactured from steel and is available in zincplated, hot dip galvanized- and stainless/acidproof performance.



Field of application:

The stud expander-shell bolt is mainly meant for installations in concrete. For examples electric, pipe, construction and ventilation assemblage. It is approved for use in fire resistant classed building-ups.

Performance:

The upper part of the stud expander-shell bolt is externally threaded and provided with a nut and a washer of steel. On the lower part of the expander there is, depending on dimension and length, one or two clips that expand over a tapered part of the bolt.

The stud expander-shell bolt has a special stopping point to avoid damages on the threads at assembly.

Assembly instruction:

TB-EXPANDER

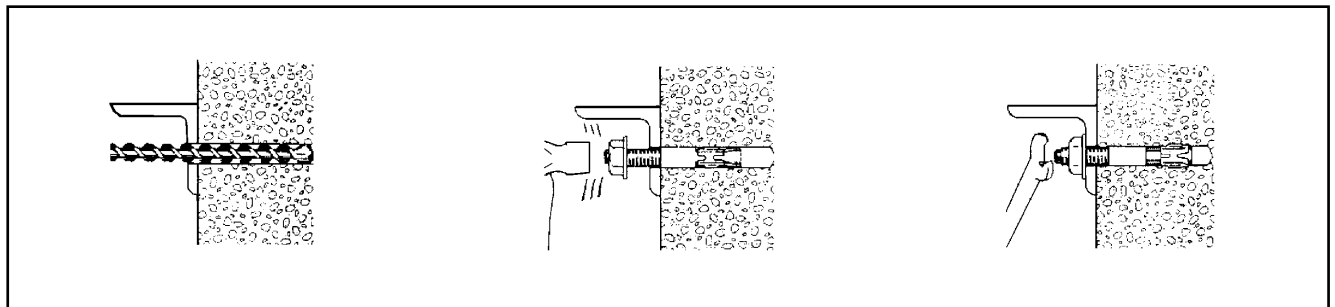


Table 161 Practical loading capability in kN

Dimension	Assembly depth	Withdrawing force		Shearing force	
		Concrete quality		Concrete quality	
		K25	K40	K25	K40
M6	40	2,3	3,0	1,6	2,2
	50	3,2	4,0	2,2	2,8
M8	40	2,0	2,9	2,0	2,5
	55	3,3	4,7	3,8	4,4
M10	40	2,2	3,1	1,6	2,2
	60	4,0	5,6	5,7	6,5
M12	50	3,1	4,4	2,2	3,0
	75	6,5	9,3	9,6	10,5
M16	100	9,4	13,4	12,3	13,7
M20	120	12,3	17,4	15,9	19,3