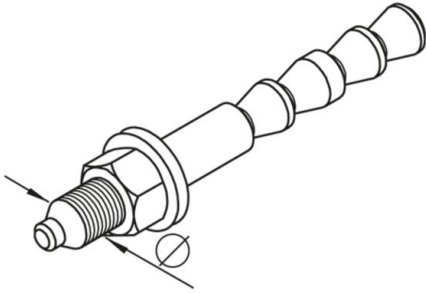


## VAB-HB

shear connector rod, concrete



Permissible as single fastening. Permissible load in cracked and non-cracked normal concrete of strength  $\geq$  C20/25. Manufacturer's information has to be observed strictly (ETA-05/0164).

galvanized, according to DIN EN ISO 19598 / DIN EN ISO 2081

Product	$L_{min}$	D	$\emptyset$	t	Pzul	G
VAB-HB 10/20	75 mm	10 mm	10 mm	0-20 mm	8 kN	0,07 kg
VAB-HB 12/25	90 mm	12 mm	12 mm	0-25 mm	11,1 kN	0,12 kg
VAB-HB 16/30	110 mm	16 mm	16 mm	0-30 mm	15,9 kN	0,30 kg

Stainless steel, according to ASTM 31 Ti / AISI 316 L, BS 320S17 / BS 316S11

Product	$L_{min}$	D	$\emptyset$	t	Pzul	G
VAB-HB 10/20E4	75 mm	10 mm	10 mm	0-20 mm	8 kN	0,07 kg
VAB-HB 12/25E4	90 mm	12 mm	12 mm	0-25 mm	11,1 kN	0,12 kg
VAB-HB 16/30E4	110 mm	16 mm	16 mm	0-30 mm	15,9 kN	0,30 kg

Stainless steel, according to ASTM 31 Ti / AISI 316 L, BS 320S17 / BS 316S11

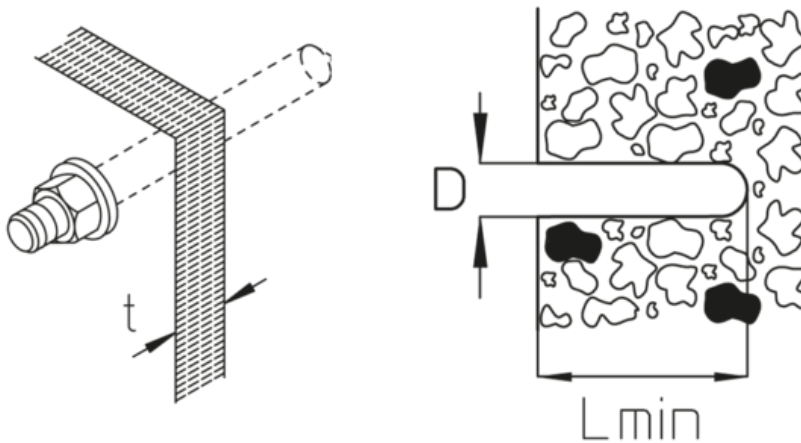
Product	$L_{min}$	D	$\emptyset$	t	Pzul	G
VAB-HB 12/25-316	90 mm	12 mm	12 mm	0-25 mm	11,1 kN	-
VAB-HB 16/30-316	110 mm	16 mm	16 mm	0-30 mm	15,9 kN	-

$L_{min}$ : Minimum drilling depth



**D:** diameter  
**Ø:** diameter  
**t:** material thickness  
**Pzul:** permissible tractive force  
**G:** weight

## DETAILS / APPLICATIONS



## OPTIONAL ACCESSORIES

VAB-HB M

