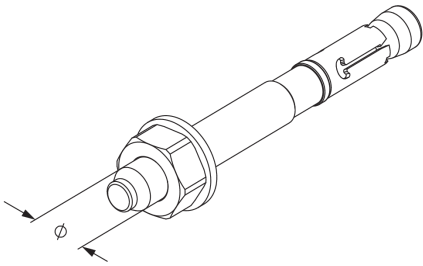


## SD

### Expansion anchor



The approved expansion anchor SD is used to fasten supporting structures such as bracket holders or wall brackets to walls and/or ceilings. It is permitted to be used as a single attachment in cracked and non-cracked standard concrete with strength  $\geq C20/25$ . The manufacturer's specifications must be observed. The pre-assembled washer makes the expansion anchor suitable for fastening steel attachments with slots. We provide components in various materials and surface finishes to ensure that various corrosion protection requirements for different areas of application are met.

### steel, galvanic zinc plated

Products	$\varnothing$	$L_{min}$ W	$P_{Zug}$ R30	$P_{Zug}$ R90	$P_{lat}$ R30	$P_{lat}$ R90	W
SD 8/10	8 mm	47,5 mm	0,9 kN	0,5 kN	1,8 kN	1,3 kN	0,034 kg
SD 8/30	8 mm	47,5 mm	0,9 kN	0,5 kN	1,8 kN	1,3 kN	0,044 kg
SD 10/10	10 mm	54,5 mm	2,2 kN	1,9 kN	3,6 kN	2,2 kN	0,067 kg
SD 10/30	10 mm	54,5 mm	2,2 kN	1,9 kN	3,6 kN	2,2 kN	0,071 kg
SD 12/10	12 mm	68,5 mm	3,0 kN	3,0 kN	6,3 kN	3,5 kN	0,108 kg
SD 16/25	16 mm	87,5 mm	4,5 kN	4,5 kN	11,7 kN	6,6 kN	0,232 kg

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

Products	$\varnothing$	$L_{min}$ W	$P_{Zug}$ R30	$P_{Zug}$ R90	$P_{lat}$ R30	$P_{lat}$ R90	W
SD 8/10E4	8 mm	47,5 mm	0,6 kN	0,5 kN	3,6 kN	1,9 kN	0,034 kg
SD 10/10E4	10 mm	54,5 mm	2,2 kN	2,2 kN	7,8 kN	3,8 kN	0,065 kg
SD 10/30E4	10 mm	54,5 mm	2,2 kN	2,2 kN	7,8 kN	3,8 kN	0,071 kg
SD 12/10E4	12 mm	68,5 mm	3,0 kN	3,0 kN	11,5 kN	5,7 kN	0,108 kg

$\varnothing$ : thread diameter

$L_{min}$  W: min. borehole depth warm

$P_{Zug}$  R30: max. permissible tensile Force R30

$P_{Zug}$  R90: max. permissible tensile force R90

$P_{lat}$  R30: max. permissible shear force



# PRODUCT INFORMATION

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**P<sub>lat</sub> R90:** max. permissible shear force R90  
**W:** Weight per storage unit

## DETAIL AND APPLICATION IMAGES

