

## HSA stud anchor



A stud anchor complete with nut and washer. Suitable for in-place through fastenings. Wide range of sizes and lengths available. For use in concrete.

### Features

- Easy alignment due to ductility of stud, as anchor is cold formed
- End face mark for accurate identification when anchor set
- Range of anchor lengths for optimised use and efficiency when fastening materials of different thickness
- Ideal for through fastenings, hole size is the same as anchor size
- Stand off fastenings possible, due to varying thread lengths
- Quick installation with a minimum of drilling
- Fire rated

### Applications

- Versatile fastening through in place parts like wood beams, metal sections, columns, brackets etc
- Fastening metal supports, pipe rings and metal profiles
- Fastening racking, shelving and brackets

### Technical data for standard version HSA

Recommended load, (kN), non-cracked concrete,  $f_{c,cyl} = 20 \text{ MPa}$

Extract from application conditions in Hilti fastening technology manual; Please observe "special regulations" when designing and making anchor fastenings.

#### Standard anchorage depth:

Anchor size		M6	M8	M10	M12		
M16	M20						
Tensile load, $N_{rec.}$		2.4	4.8	4.8	8.5	16.6	23.8
Shear load, $V_{rec.}$		2.6	4.6	7.1	10.1	18.9	29.6

#### Reduced anchorage depth:

Anchor size	M6	M8	M10	M12	M16	M20
Tensile load, $N_{rec.}$	1.4	4.3	4.8	5.4	9.5	14.3
Shear load, $V_{rec.}$	2.4	4.6	7.1	10.1	18.9	29.6



## HSA stud anchor complete with nut and washer assembled

Steel zinc plated to 5 microns



Item no.	Ordering designation	Hole dia.	Thread Length	Max Fasten. Thickness	Package contents	Price per
255830	HSA M6 x 50	6mm	15mm	5mm	200	100
255831	HSA M6 x 65	6mm	30mm	20mm	200	100
255832	HSA M6 x 85	6mm	50mm	40mm	100	100
255833	HSA M6 x 100	6mm	65mm	55mm	100	100
255834	HSA M8 x 57	8mm	20mm	5mm	100	100
255835	HSA M8 x 75	8mm	35mm	23mm	100	100
255836	HSA M8 x 92	8mm	52mm	40mm	100	100
255839	HSA M10 x 68	10mm	25mm	5mm	50	100
255840	HSA M10 x 90	10mm	42mm	25mm	50	100
255841	HSA M10 x 108	10mm	60mm	45mm	50	100
255842	HSA M10 x 120	10mm	72mm	55mm	50	100
255844	HSA M12 x 80	12mm	30mm	5mm	25	100
255845	HSA M12 x 100	12mm	45mm	25mm	25	100
255846	HSA M12 x 120	12mm	65mm	45mm	25	100
255847	HSA M12 x 150	12mm	95mm	75mm	25	100
255848	HSA M12 x 180	12mm	125mm	105mm	25	100
255849	HSA M12 x 220	12mm	165mm	145mm	25	100
255852	HSA M16 x 100	16mm	35mm	5mm	16	100
255853	HSA M16 x 120	16mm	50mm	25mm	16	100
255854	HSA M16 x 140	16mm	70mm	45mm	16	100
255855	HSA M16 x 190	16mm	120mm	95mm	16	100
255857	HSA M20 x 125	20mm	45mm	10mm	10	100
255858	HSA M20 x 170	20mm	85mm	55mm	10	100