

## Standard hot-dip galvanized stud anchor HSA-F



### Base materials

- Concrete (uncracked)

### Applications

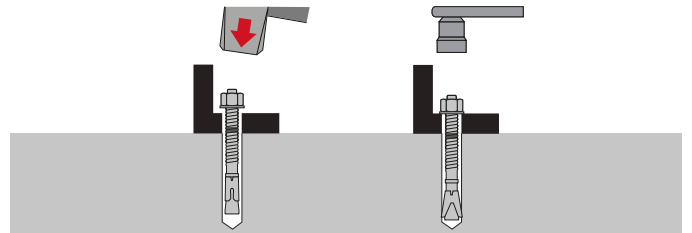
- Wide range of fastening applications in concrete
- Fastening brackets and channels
- Fastening columns and beams

### Advantages

- Excellent edge and spacing distances
- High loads (optimal utilization of the concrete strength)
- Suitable for presetting and through-fastening in uncracked concrete

### Technical data

Material composition	Steel, hot-dip galvanized (min. 45 µm)
Head configuration	Externally threaded



These are abbreviated instructions which may vary by application. Always review/follow the instructions accompanying the product or refer to [www.hilti.com/techlib](http://www.hilti.com/techlib).

Ordering designation	Anchor length	Drill bit diameter	Base plate clearance hole	Drill depth at embed 1	Drill depth at embed 2	Drill depth at embed 3	Required tightening torque	Socket size	Sales pack quantity	Item number
HSA-F M6 20/10/-	65 mm	6 mm	7 mm	42 mm	52 mm	-	5 Nm	10 mm	200 pc	2036311
HSA-F M8 5/-/-	55 mm	8 mm	9 mm	44 mm	-	-	15 Nm	13 mm	100 pc	2004113 <sup>1)</sup>
HSA-F M8 20/10/-	70 mm	8 mm	9 mm	44 mm	54 mm	-	15 Nm	13 mm	100 pc	2004114
HSA-F M10 5/-/-	68 mm	10 mm	12 mm	55 mm	-	-	25 Nm	17 mm	50 pc	2004118 <sup>1)</sup>
HSA-F M10 20/10/-	83 mm	10 mm	12 mm	55 mm	65 mm	-	25 Nm	17 mm	50 pc	2004119
HSA-F M10 50/40/10	113 mm	10 mm	12 mm	55 mm	65 mm	95 mm	25 Nm	17 mm	40 pc	2004171 <sup>1)</sup>
HSA-F M12 20/5/-	100 mm	12 mm	14 mm	72 mm	87 mm	-	50 Nm	19 mm	25 pc	2004173
HSA-F M12 35/20/-	115 mm	12 mm	14 mm	72 mm	87 mm	-	50 Nm	19 mm	25 pc	2004174
HSA-F M12 65/50/15	145 mm	12 mm	14 mm	72 mm	87 mm	122 mm	50 Nm	19 mm	25 pc	2004175
HSA-F M16 40/25/-	117 mm	16 mm	18 mm	85 mm	100 mm	-	80 Nm	24 mm	16 pc	2004178
HSA-F M16 85/70/30	182 mm	16 mm	18 mm	85 mm	100 mm	140 mm	80 Nm	24 mm	16 pc	2004179 <sup>1)</sup>
HSA-F M20 55/30/15	170 mm	20 mm	22 mm	98 mm	123 mm	138 mm	200 Nm	24 mm	10 pc	2036313 <sup>1)</sup>

<sup>1)</sup> This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit our website for the latest item numbers and related products.