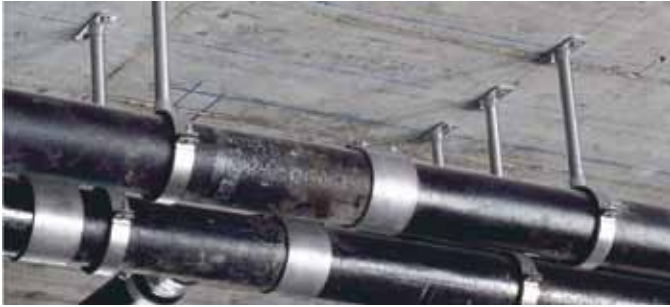# Internally-threaded safety anchor (carbon steel) HSC-I

Base materials
■ Concrete (cracked)
■ Concrete (uncracked)

Applications
■ Safety-relevant, medium-duty fastenings in cracked or uncracked concrete, especially where shallow embedment and/or small edge distance or close spacing is required
■ Examples: stair hand rails, sprinkler pipes, air ducts, seating, facade substructures, car park barriers, etc.

Advantages
■ Shallow embedment depth for thin concrete slabs or where permissible drilling depth is limited
■ Combines high working loads with small edge distances and close spacing thanks to very low expansion forces
■ Self-undercutting facilitates fast and reliable installation - no separate undercutting tool or handling needed
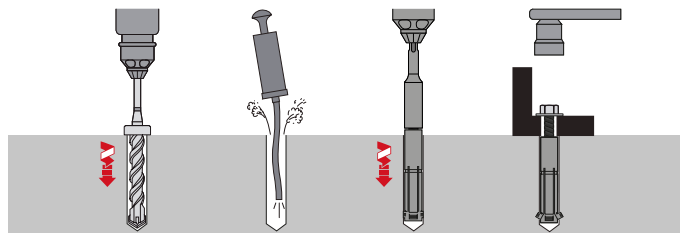
Technical data

Material composition	Bolt: steel, 8.8 grade, zinc-plated (min. 5 μm)
Head configuration	Inner thread
PROFIS	Yes
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer

Approvals

BZS/shock	BZS for HSC
ETA	ETA-02/0027 for HSC (ETAG 001-3, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

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

Ordering designation	Anchor size	Thread engagement depth - min.	Base plate clearance hole	Drilling depth	Required tightening torque	Wrench size	Sales pack quantity	Item number
HSC-I M6x40	M6	6 mm	7 mm	46 mm	10 Nm	10 mm	25 pc	**31142**[1]
HSC-I M8x40	M8	8 mm	9 mm	47 mm	10 Nm	13 mm	25 pc	**31143**
HSC-I M10x50	M10	10 mm	12 mm	56 mm	20 Nm	17 mm	25 pc	**31144**
HSC-I M10x60	M10	10 mm	12 mm	68 mm	20 Nm	17 mm	25 pc	**31145**[1]
HSC-I M12x60	M12	12 mm	14 mm	69 mm	30 Nm	19 mm	25 pc	**31146**

[1] 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.