

SKR-HT

SCREW-IN ANCHORS

- Suitable for uncracked concrete
- Hexagonal head of increased size
- Thread is suitable for dry fastening
- Electrogalvanized carbon steel
- Through fastening
- No fastener expansion

ENVIRONMENT



MATERIAL

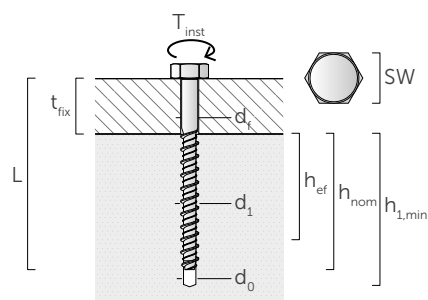
Zn
ELECTRO
PLATED



SKR-HT

hexagonal head

d ₁ [mm]	CODE	L [mm]	t _{fix} [mm]	h _{1,min} [mm]	h _{nom} [mm]	d ₀ [mm]	d _f timber [mm]	d _f steel [mm]	SW [mm]	T _{inst} [Nm]	pcs
7,5	SKR7560H	60	10	60	50	6	8	8-10	13	15	50
	SKR7580H	80	30	60	50	6	8	8-10	13	15	50
	SKR75100H	100	20	90	80	6	8	8-10	13	15	50
10	SKR1080H	80	30	65	50	8	10	10-12	16	25	50
	SKR10100H	100	20	95	80	8	10	10-12	16	25	25
	SKR10120H	120	40	95	80	8	10	10-12	16	25	25
	SKR10140H	140	60	95	80	8	10	10-12	16	25	25
	SKR10160H	160	80	95	80	8	10	10-12	16	25	25
	SKR12100H	100	20	100	80	10	12	12-14	18	50	25
12	SKR12120H	120	40	100	80	10	12	12-14	18	50	25
	SKR12140H	140	60	100	80	10	12	12-14	18	50	25
	SKR12160H	160	80	100	80	10	12	12-14	18	50	25
	SKR12200H	200	120	100	80	10	12	12-14	18	50	25
	SKR12240H	240	160	100	80	10	12	12-14	18	50	25
	SKR12280H	280	200	100	80	10	12	12-14	18	50	25
	SKR12320H	320	240	100	80	10	12	12-14	18	50	25



d₁ external diameter of anchor
L anchor length
t_{fix} maximum fastening thickness
h_{1,min} minimum hole depth
h_{nom} nominal anchoring depth
h_{ef} effective anchoring depth
d₀ hole diameter in the concrete support
d_f maximum hole diameter in the element to be fastened
SW wrench size
T_{inst} tightening torque

RELATED PRODUCTS



PONY

POCKET AIR PUMP FOR
HOLE CLEANSING



HTW

ANGLE BRACKET FOR
SHEAR LOADS



HT100

ANGLE BRACKET 100 FOR
SHEAR LOADS

Figure 1 consists of two schematic diagrams illustrating the two-step process for fabricating a porous polymer membrane.
 Step 1 (top): A porous polymer tube (represented by a dotted pattern) is shown with a porous support tube (represented by a solid line) inserted inside it. The support tube has a porous section at one end.
 Step 2 (bottom): The porous support tube is shown being removed from the porous polymer tube. The removal process is indicated by dashed lines and arrows, showing the support tube being pulled out. The final product is a porous polymer membrane (represented by a dotted pattern) with a porous support tube (represented by a solid line) inserted inside it. The number '2' is shown in the bottom left corner of the diagram.

4

5

For spacing and distances smaller than the critical ones, strength values have to be reduced depending on the installation parameters.

STRUCTURAL VALUES

Valid for a single anchor in thickened C20/25 grade concrete with a thin reinforcing layer when spacing and edge-distance are not limiting parameters.

ADMISSIBLE VALUES

		UNCRAKED CONCRETE		
		tension	shear ⁽¹⁾	head pull-through
		N _{1,rec}	V _{rec}	N _{2,rec}
		[kN]	[kN]	[kN]
SKR-HT	7,5	2,13	2,50	1,19 ⁽²⁾
	10	6,64	6,65	1,86 ⁽²⁾
	12	8,40	8,18	2,83 ⁽²⁾

NOTES

⁽¹⁾ When evaluating the anchor global-strength, the shear strength on the element to be fastened (e.g. timber, concrete, ...) must be considered separately based on the material adopted.

⁽²⁾ All values refer to SKR installed with DIN 9021 (ISO 9073) washer.

GENERAL PRINCIPLES

- Recommended admissible shear and tensile values are compliant with Certificate Nr. 2006/5205/1 released from Politecnico di Milano and obtained by considering a safety factor of 4 for the failure load.