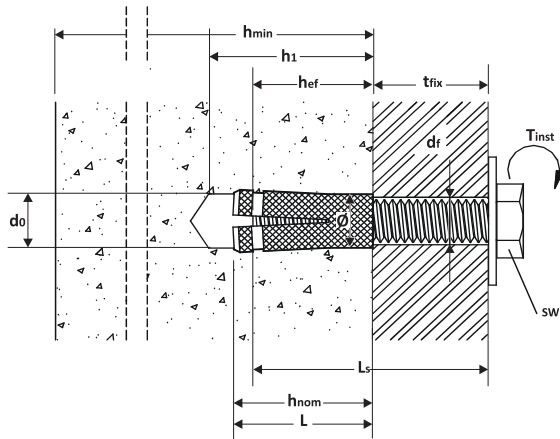


**AK 01** Knurled brass anchor



TECHNICAL DATA SHEET



<b>M</b>	screw diameter
<b>L</b>	anchor length
<b>L<sub>s</sub></b>	screw length*
<b>∅</b>	anchor diameter
<b>d<sub>o</sub></b>	drill hole diameter in the wood
<b>h<sub>1</sub></b>	depth of drilled hole to deepest point
<b>h<sub>min</sub></b>	min. thickness of concrete member
<b>h<sub>nom</sub></b>	overall anchor embedment depth in the concrete
<b>h<sub>ef</sub></b>	effective anchorage depth
<b>d<sub>f</sub></b>	diameter of clearance hole in the fixture
<b>t<sub>fix</sub></b>	max fixture thickness
<b>T<sub>inst</sub></b>	recommended setting torque
<b>SW</b>	width across nut flats
<b>s<sub>cr</sub></b>	spacing for ensuring the transmission of the characteristic resistance of a single anchor
<b>s<sub>min</sub></b>	minimum allowable spacing
<b>c<sub>cr</sub></b>	edge distance for ensuring the transmission of the characteristic resistance of a single anchor
<b>c<sub>min</sub></b>	minimum allowable edge distance

TECHNICAL DATA SHEET **AK 01**

Item Code	Anchor size ∅ x L(mm)	Screw size M x l <sub>s</sub> (mm)	d <sub>o</sub> (mm)	h <sub>1</sub> (mm)	h <sub>min</sub> (mm)	h <sub>nom</sub> (mm)	h <sub>ef</sub> (mm)	d <sub>f</sub> (mm)	T <sub>inst</sub> (Nm)	s <sub>cr</sub> = s <sub>min</sub> (mm)	c <sub>cr</sub> = c <sub>min</sub> (mm)	CHARACTERISTIC LOADS
												(kN) PULL OUT
<b>AK 01 00 004</b>	5 x 16	4 x l <sub>s</sub> *	5	20	100	15	12	5	3	48	36	<b>0,7</b>
<b>AK 01 00 005</b>	6,5 x 20,5	5 x l <sub>s</sub> *	6,5	32		20,5	17,5	6,5	10	70	52	<b>0,9</b>
<b>AK 01 00 006</b>	8 x 23,5	6 x l <sub>s</sub> *	8	30		23	20	7	4	80	60	<b>0,8</b>
<b>AK 01 00 008</b>	10 x 28	8 x l <sub>s</sub> *	10	40		28	25	9	12	100	75	<b>0,9</b>
<b>AK 01 00 010</b>	12 x 33	10 x l <sub>s</sub> *	12	45		32	30	12	18	120	90	<b>1,6</b>
<b>AK 01 00 012</b>	15 x 38	12 x l <sub>s</sub> *	15	50		38	35	14	35	140	105	<b>7,5</b>
<b>AK 01 00 014</b>	18 x 42	14 x l <sub>s</sub> *	18	55		42	40	16	50	160	120	<b>10,6</b>

**WARNING:** In order to avoid brass anchors breaking, please respect the following details:

- If You use (Hex Head, ...) Screws
  - Screw length calculation ( l<sub>s</sub> ): l<sub>s</sub> (mm) = h<sub>ef</sub> + t<sub>fix</sub>
  - Respect the breaking torque values ( T<sub>inst</sub> )
- If You use Threaded Rod
  - Respect the breaking torque values ( T<sub>inst</sub> )

\*\* For details missing, please ask to Tecfi Technical Dpt.

**i** Pull-out mentioned in the table are CHARACTERISTIC LOADS as result of tests carried out on uncracked concrete C20/25 (Pull-out and Shear loads are in kN: 1kN =100Kg). For fixing on different types of concrete or further materials, we recommend to carry out special tests and/or use further Safety Factors.