



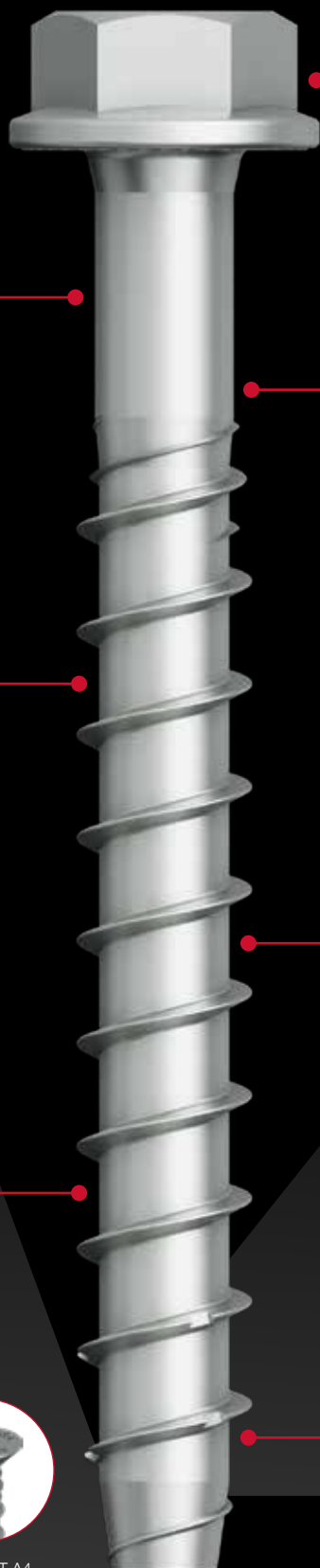
## Concrete screw JC6 A4

New bi-metal concrete screw for outside applications

Bringing it together.

# Concrete screw JC6 A4

Acid-resistant ETA-approved concrete screws for demanding corrosion conditions



Hexagon head with flange

Fully removable

For indoor, outdoor and industrial use

For through installations

Stainless steel A4

Allows small spacing and edge distances

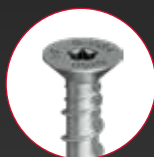
Hardened carbon steel tip, zinc-electroplated



JC6-FR A4



JC6-KB A4



JC6-ST A4

## Concrete screw JC6-FR A4



## Applications

- > For embedment in cracked and non-cracked concrete C20/25 – C50/60
- > Permanently wet indoor use
- > Outdoor use, including industrial and maritime environments
- > Fastening of e.g.:
  - > Canopies
  - > Gates
  - > Shelving systems
  - > Cable trays
  - > Handrails and railings
  - > Stadium seating
  - > Impact protection / ram protection
  - > Timber construction accessories (e.g. brackets, ...)
  - > ...

## Characteristics

- > Stainless steel A4 with hardened steel tip
- > Pan head and T-drive
- > ETA approved for cracked and non-cracked concrete C20/25 – C50/60
- > Concrete screws are intended for through installations
- > No predefined tightening torque

## Benefits

- > Requires only a small drill hole
- > Allows small spacing and edge distances
- > The screw is fully removable

## Technical specifications

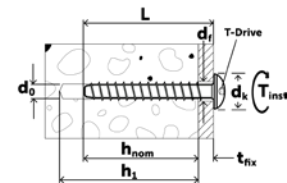


## Certifications



## Base materials

- Approved for
  - > Cracked concrete
  - > Non-cracked concrete



## Installation data

Recommended loads  
non-cracked concrete

Type	$d_o$ [mm]	$d_f$ [mm]	$h_{nom}$ [mm]	$h_{min}$ [mm]	$T_{inst}$ [Nm]	Drive [mm]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]
<b>ETA-22/0413</b>								
JC6-FR 6	6	≤ 9	45/55	80/100	max. 14	T30	2.9/4.5	6.8*/6.8*

\* Failure mode = steel;  $d_o$  = nominal drill diameter;  $d_f$  = through hole diameter in the attachment;  $h_{nom}$  = nominal setting depth;  $h_{min}$  = minimum thickness of base materials;  $T_{inst}$  = Maximum installation torque;  $N_{Rec}$  = recommended tensile load capacity;  $V_{Rec}$  = recommended shear load capacity

The data of these tables is based on concrete C20/25,  $f_{ck,cube} = 25 \text{ N/mm}^2$ ; installation has been done correctly; no influence of edge distances and spacings; respect of minimum base material thickness.

Order description	L [mm]	$d_o$ [mm]	$t_{fix}$ [mm]	$h_{nom}$ [mm]	$h_1$ [mm]	PU [pieces]	Article number	EAN
<b>ETA-22/0413</b>								
JC6-FR 6x50/5 T30 A4	50	6	5	45	55	100	9650071993	4061245105918
JC6-FR 6x60/15/5 T30 A4	60	6	15/5	45/55	55/65	50	9650071994	4061245105925
JC6-FR 6x80/35/25 T30 A4	80	6	35/25	45/55	55/65	50	9650071996	4061245105932

L = length;  $d_o$  = nominal drill diameter;  $t_{fix}$  = thickness of attachment;  $h_{nom}$  = nominal setting depth;  $h_1$  = drill hole depth

Concrete screw JC6-KB A4



**Applications**

- > For embedment in cracked and non-cracked concrete C20/25 – C50/60
- > Permanently wet indoor use
- > Outdoor use, including industrial and maritime environments
- > Fastening of e.g.:
  - > Canopies
  - > Gates
  - > Shelving systems
  - > Cable trays
  - > Handrails and railings
  - > Stadium seating
  - > Impact protection / ram protection
  - > Timber construction accessories (e.g. brackets, ...)
  - > ...

**Characteristics**

- > Stainless steel A4 with hardened steel tip
- > Hexagone head with flange
- > ETA approved for cracked and non-cracked concrete C20/25 – C50/60
- > Concrete screws are intended for through installations
- > No predefined tightening torque

**Benefits**

- > Requires only a small drill hole
- > Allows small spacing and edge distances
- > The screw is fully removable

**Technical specifications**

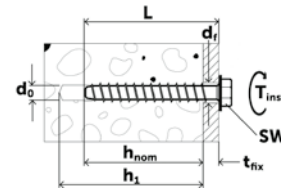


**Certifications**



**Base materials**

- Approved for
- > Cracked concrete
  - > Non-cracked concrete



Installation data							Recommended loads non-cracked concrete	
Type	d <sub>o</sub> [mm]	d <sub>f</sub> [mm]	h <sub>nom</sub> [mm]	h <sub>min</sub> [mm]	T <sub>inst</sub> [Nm]	Drive [mm]	N <sub>Rec</sub> [kN]	V <sub>Rec</sub> [kN]
<b>ETA-22/0413</b>								
JC6-KB 6	6	≤ 9	45/55	80/100	max. 14	SW13	2.9/4.5	6.8*/6.8*
JC6-KB 8	8	≤ 12	50/65	100/100	max. 40	SW13	4.0/7.9	11.6*/11.6*
JC6-KB 10	10	≤ 14	55/85	100/130	max. 75	SW15	5.2/12.1	14.0*/14.0*

\* Failure mode = steel; d<sub>o</sub> = nominal drill diameter; d<sub>f</sub> = through hole diameter in the attachment; h<sub>nom</sub> = nominal setting depth; h<sub>min</sub> = minimum thickness of base materials, T<sub>inst</sub> = Maximum installation torque; N<sub>Rec</sub> = recommended tensile load capacity; V<sub>Rec</sub> = recommended shear load capacity

The data of these tables is based on concrete C20/25, f<sub>ck,cube</sub> = 25 N/mm<sup>2</sup>; installation has been done correctly; no influence of edge distances and spacings; respect of minimum base material thickness.

Order description	L [mm]	d <sub>o</sub> [mm]	t <sub>fix</sub> [mm]	h <sub>nom</sub> [mm]	h <sub>1</sub> [mm]	Head ∅ [mm]	PU [pieces]	Article number	EAN
<b>ETA-22/0413</b>									
JC6-KB 6x50/5 SW13 A4	50	6	5	45	55	16.5	100	9650071970	4061245105635
JC6-KB 6x60/15/5 SW13 A4	60	6	15/5	45/55	55/65	16.5	100	9650071971	4061245105642
JC6-KB 6x70/25/15 SW13 A4	70	6	25/15	45/55	55/65	16.5	100	9650071972	4061245105659
JC6-KB 6x80/35/25 SW13 A4	80	6	35/25	45/55	55/65	16.5	100	9650071973	4061245105666
JC6-KB 8x55/5 SW13 A4	55	8	5	50	60	17.5	50	9650071978	4061245105864
JC6-KB 8x70/20/5 SW13 A4	70	8	20/5	50/65	60/75	17.5	50	9650071974	4061245093802
JC6-KB 8x80/30/15 SW13 A4	80	8	30/15	50/65	60/75	17.5	50	9650071975	4061245093819
JC6-KB 8x100/50/35 SW13 A4	100	8	50/35	50/65	60/75	17.5	50	9650071976	4061245093826
JC6-KB 10x90/35/5 SW15 A4	90	10	35/5	55/85	65/95	20.5	25	9650071933	4061245106342
JC6-KB 10x100/45/15 SW15 A4	100	10	45/15	55/85	65/95	20.5	25	9650071934	4061245106359
JC6-KB 10x120/65/35 SW15 A4	120	10	65/35	55/85	65/95	20.5	25	9650071935	4061245106366

L = length; d<sub>o</sub> = nominal drill diameter; t<sub>fix</sub> = thickness of attachment; h<sub>nom</sub> = nominal setting depth; h<sub>1</sub> = drill hole depth

## Concrete screw JC6-ST A4



### Applications

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- > Permanently wet indoor use
- > Outdoor use, including industrial and maritime environments
- > Fastening of e.g.:
  - > Canopies
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  - > Impact protection / ram protection
  - > Timber construction accessories (e.g. brackets, ...)
  - > ...

### Characteristics

- > Stainless steel A4 with hardened steel tip
- > Countersunk head and T-drive
- > ETA approved for cracked and non-cracked concrete C20/25 – C50/60
- > Concrete screws are intended for through installations
- > No predefined tightening torque

### Benefits

- > Requires only a small drill hole
- > Allows small spacing and edge distances
- > The screw is fully removable

### Technical specifications

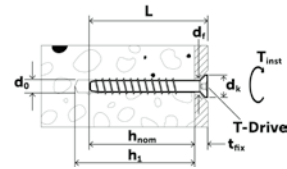


### Certifications



### Base materials

- Approved for
- > Cracked concrete
  - > Non-cracked concrete



### Installation data

### Recommended loads non-cracked concrete

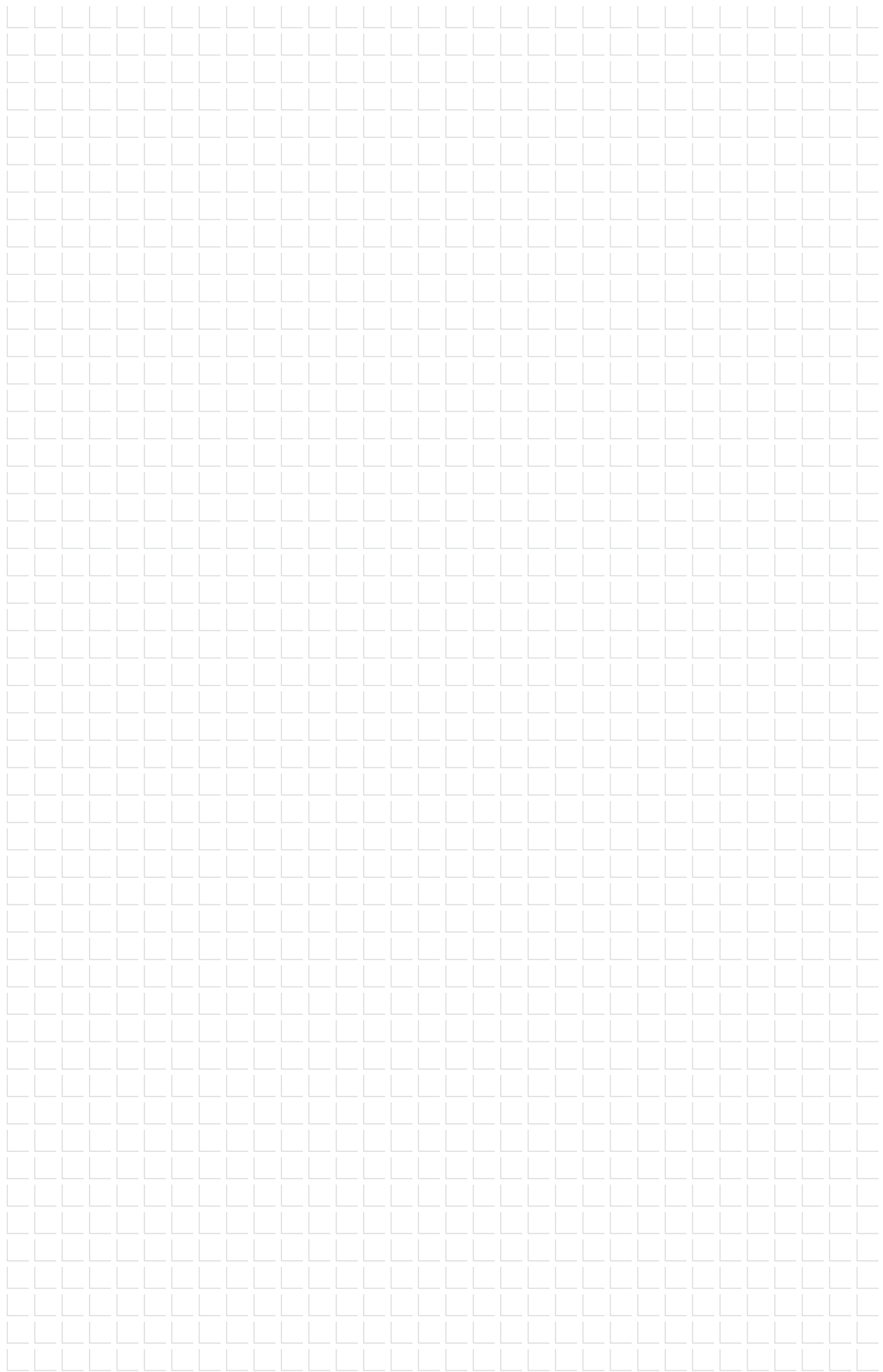
Type	$d_o$ [mm]	$d_f$ [mm]	$h_{nom}$ [mm]	$h_{min}$ [mm]	$T_{inst}$ [Nm]	Drive [mm]	$N_{Rec}$ [kN]	$V_{Rec}$ [kN]
<b>ETA-22/0413</b>								
JC6-ST 6	6	≤ 9	45/55	80/100	max. 14	T30	2.9/4.5	6.8*/6.8*

\* Failure mode = steel;  $d_o$  = nominal drill diameter;  $d_f$  = through hole diameter in the attachment;  $h_{nom}$  = nominal setting depth;  $h_{min}$  = minimum thickness of base materials;  $T_{inst}$  = Maximum installation torque;  $N_{Rec}$  = recommended tensile load capacity;  $V_{Rec}$  = recommended shear load capacity

The data of these tables is based on concrete C20/25,  $f_{ck,cube} = 25 \text{ N/mm}^2$ ; installation has been done correctly; no influence of edge distances and spacings; respect of minimum base material thickness.

Order description	L [mm]	$d_o$ [mm]	$t_{fx}$ [mm]	$h_{nom}$ [mm]	$h_1$ [mm]	PU [pieces]	Article number	EAN
<b>ETA-22/0413</b>								
JC6-ST 6x50/5 T30 A4	50	6	5	45	55	100	9650071985	4061245105673
JC6-ST 6x60/15/5 T30 A4	60	6	15/5	45/55	55/65	100	9650071986	4061245105680
JC6-ST 6x70/25/15 T30 A4	70	6	25/15	45/55	55/65	100	9650071987	4061245105697
JC6-ST 6x100/55/45 T30 A4	100	6	55/45	45/55	55/65	50	9650071990	4061245105901

L = length;  $d_o$  = nominal drill diameter;  $t_{fx}$  = thickness of attachment;  $h_{nom}$  = nominal setting depth;  $h_1$  = drill hole depth





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