



Concrete screw JC6 A4

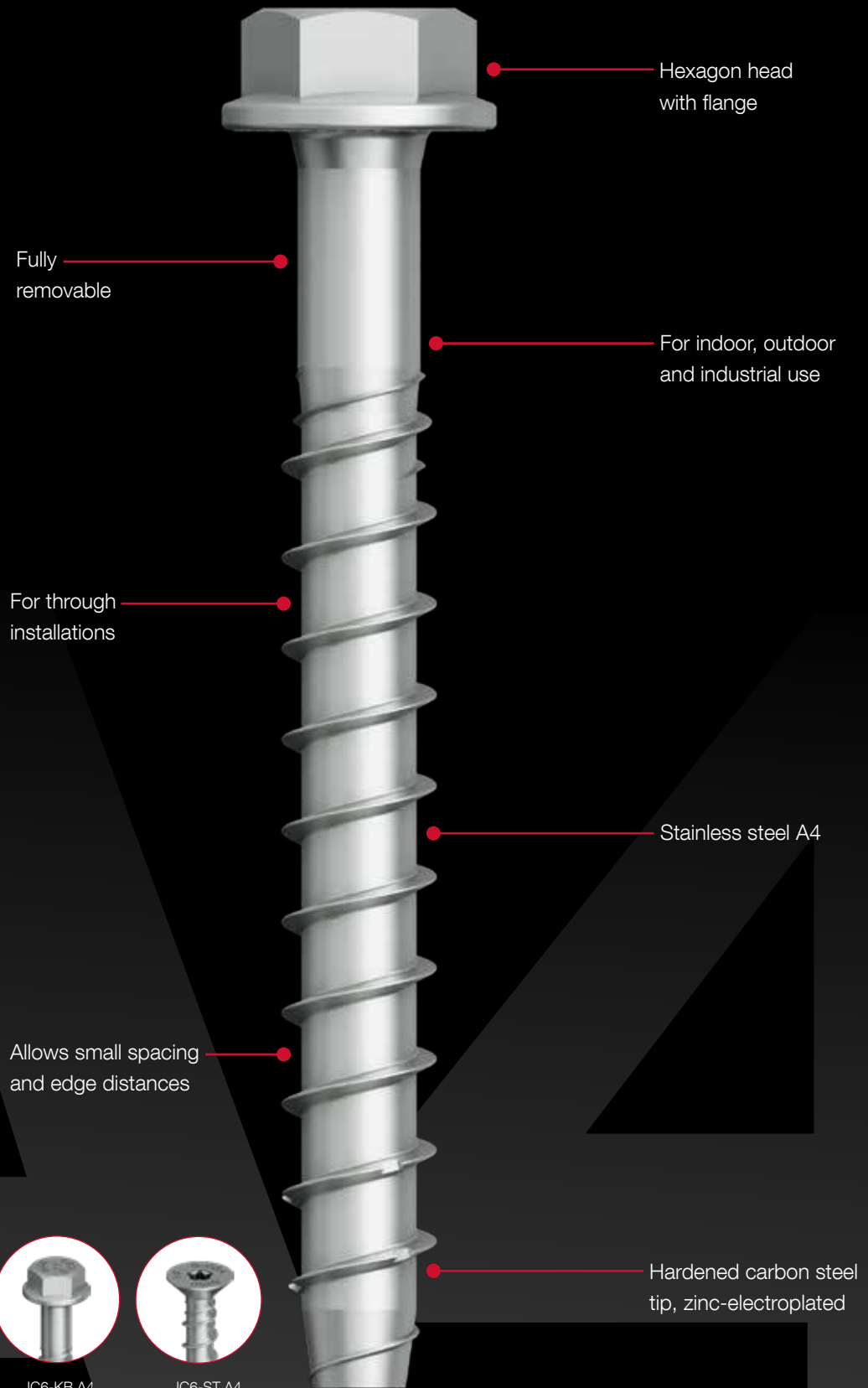
New bi-metal concrete screw for outside applications



Bringing it together.

Concrete screw JC6 A4

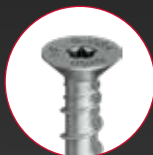
Acid-resistant ETA-approved concrete screws for demanding corrosion conditions



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

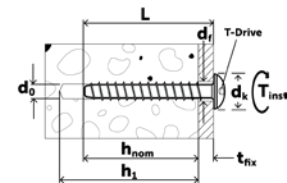


Certifications



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]
ETA-22/0413								
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
ETA-22/0413								
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, ...)
 - > ...

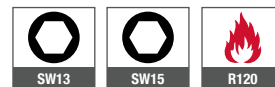
Characteristics

- > 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

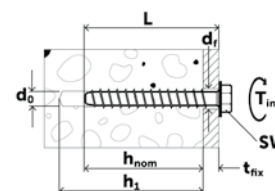


Certifications



Base materials

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



Installation data

Recommended loads non-cracked concrete

Type	d_o [mm]	d_i [mm]	h_{nom} [mm]	h_{min} [mm]	T_{inst} [Nm]	Drive [mm]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-22/0413								
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_o = nominal drill diameter; d_i = 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]	Head ∅ [mm]	PU [pieces]	Article number	EAN
ETA-22/0413									
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_o = nominal drill diameter; t_{fix} = thickness of attachment; h_{nom} = nominal setting depth; h₁ = drill hole depth

Concrete screw JC6-ST 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
- > 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



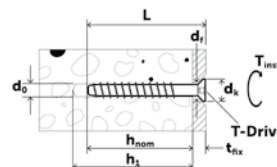
Certifications



ETA-22/0413

Base materials

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



Installation data

Recommended loads non-cracked concrete

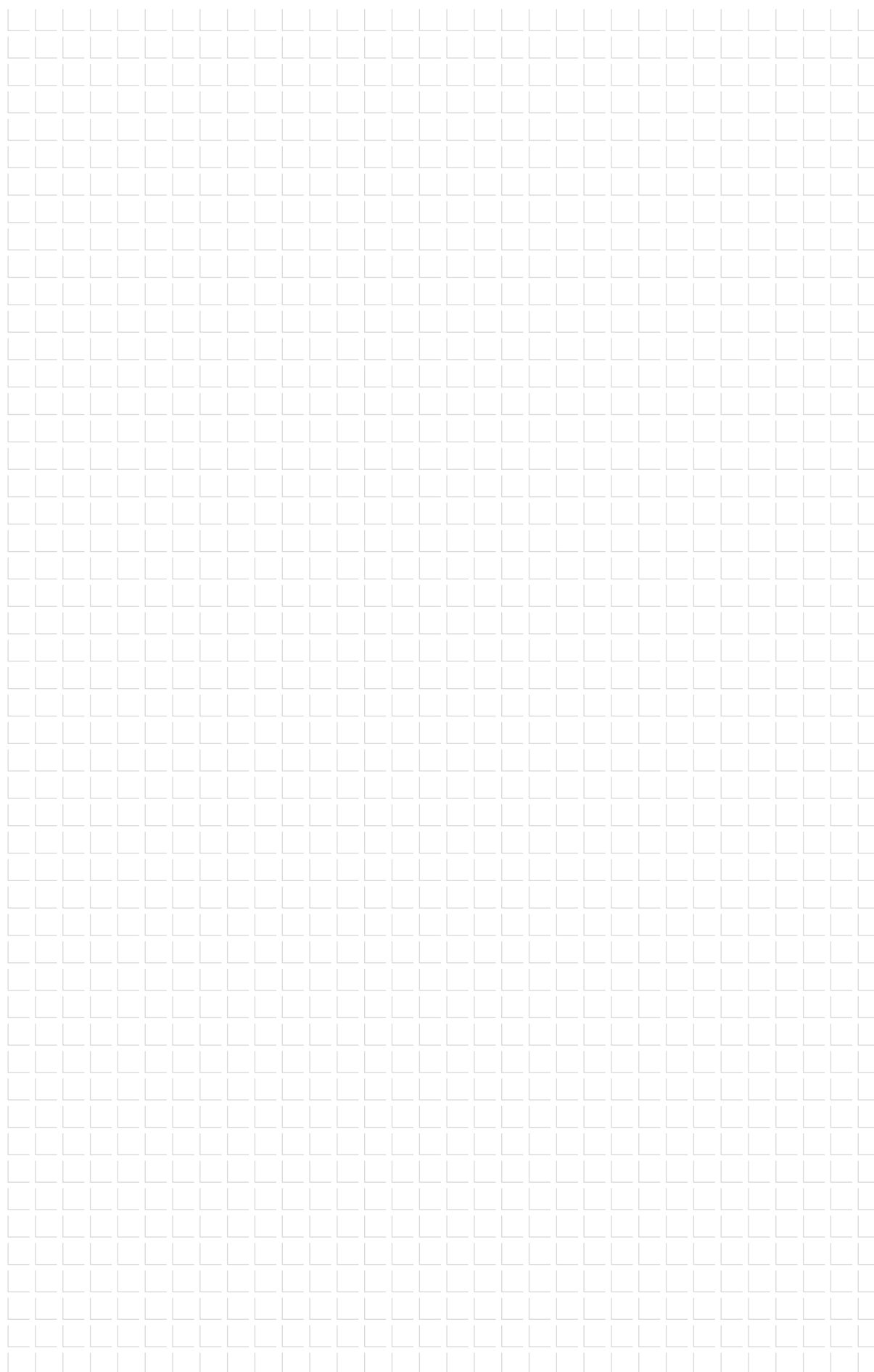
Type	d_0 [mm]	d_1 [mm]	h_{nom} [mm]	h_{min} [mm]	T_{inst} [Nm]	Drive [mm]	N_{Rec} [kN]	V_{Rec} [kN]
ETA-22/0413								
JC6-ST 6	6	≤ 9	45/55	80/100	max. 14	T30	2.9/4.5	6.8*/6.8*

* Failure mode = steel; d_0 = nominal drill diameter; d_1 = 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_0 [mm]	t_{fix} [mm]	h_{nom} [mm]	h_1 [mm]	PU [pieces]	Article number	EAN
ETA-22/0413								
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_0 = nominal drill diameter; t_{fix} = thickness of attachment; h_{nom} = nominal setting depth; h_1 = drill hole depth





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