

### HIGH STRENGTH LOADING WITH FAST INSTALLATION

HEX HEAD SCREW – 8.8/A4



GSK HEAD SCREW – 8.8/A4



100% pure material nylon  
\*\*\*

**PATENTED DESIGN -  
EFFECTIVE LOAD DISTRIBUTION**

100% **secure  
fixing**

**NEW STRONGER  
SCREW!**

Improved, hardened screw has better torsional and bending strength, which eliminates the problem of head failure when installing the screw in very hard materials. The TX drive head for use with wrench enables fast installation without the risk of damaging the drive.

**UNIQUE PROFILE -  
PREVENTS SPIN**



**360° EXPANSION -  
MAXIMIZES GRIP**

ETAG 020



## KWIK KFS-PRO®

### PRODUCT DESCRIPTION

#### **KWIK KFS-PRO®** Universal Frame Fixing Anchor

The **KFS-PRO®** is a universal frame anchor designed for easy installation into a wide range of materials including both solid and hollow substrates. Available with either countersunk or hex heads in 8.8Gr. galvanized zinc plated and stainless steel finish options, the anchor includes a high-quality polyamide PA6 plug body. With the special anchor design, the screw creates a controlled expansion of the plugs by creating groove in the internal profile. Ideal for fastening of façade systems & door frames where high load values are required.

### FEATURES

- High performance in almost all base materials
- Innovative, variable geometry
- Anti-rotation 100% Virgin Nylon Plug (Polyamide PA6)
- Maximum Versatility
- Additional gripping in fixture
- 360° Expansion – Maximizes Grip

### ADVANTAGES

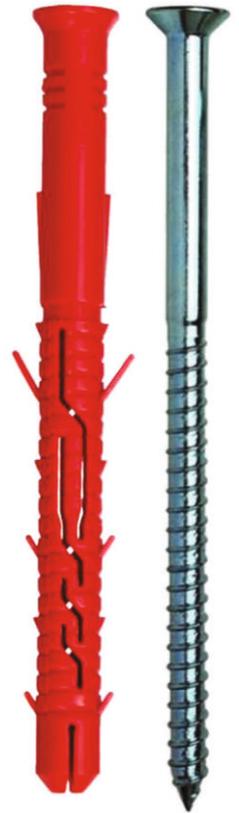
- Excellent Keying & Friction
- Optimal expansion is guaranteed preventing rotation & slipping in the hole
- Easy installation with deeper Torx® punch on the screw head preventing slipping of bit socket while applying torque

### APPLICATIONS

- Door & Window Frames
- Façade mounting plates
- Supporting brackets
- Safety Grills & Railings
- Pipework brackets
- UPVC Door & Windows

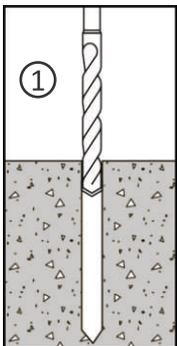
### BASE MATERIALS

- Concrete (PCC & RCC)
- Solid Stone
- Autoclave Aerated Concrete (AAC) Blocks
- Clay Bricks
- Hollow Blocks

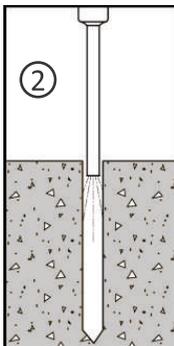


**KWIK KFS-PRO®  
NYLON ANCHOR**

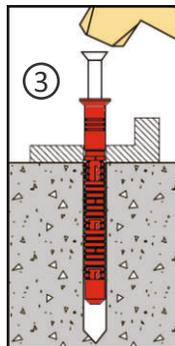
### INSTALLATION PROCEDURE



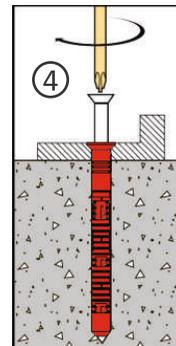
1 Drill a hole of required diameter & depth in the base material.



2 Clean the hole of drilling dust.



3 Push the preassembled anchor through the fixture with slight hammer blows until the sleeve head touches the fixture.



4 Screw in the anchor until the head of the screw touches the sleeve; the anchor is correctly mounted if there is no turn-through of the nylon sleeve or screw in the drill hole.



CSK Torx®  
T30 / T40 Head  
ZINC PLATED &  
STAINLESS STEEL

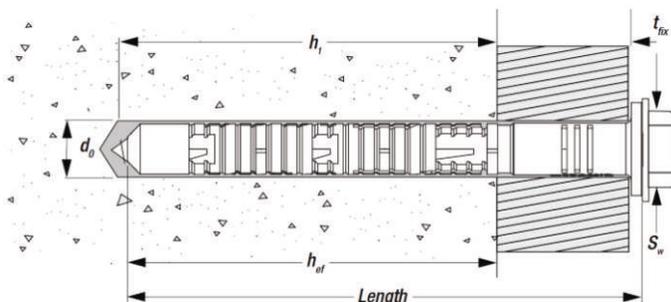


Hex Torx®  
T30 / T40 Head  
ZINC PLATED &  
STAINLESS STEEL

### INSTALLATION PARAMETERS & RECOMMENDED LOAD DETAILS

Anchor			Ø 8	Ø 10		
Minimum support thickness	$h_{min}$	mm	90	100		
Minimum hole depth in base material	$h_1$	mm	65	80		
Effective embedment depth	$h_{ef}$	mm	55	70		
Hole diameter	$d_o$	mm	8	10		
Spacing	$S_{min}$	mm	90	100		
Edge Distance	$C_{min}$	mm	50	60		
Torque moment	Concrete & Masonry	$T_{inst}$	Nm	7	15	
	Autoclaved Aerated Concrete (AAC)	$T_{inst}$	Nm	3	5	
Concrete C20/M25	$\rho \geq 2.30 \text{ kg/dm}^3$ $fb \geq 25 \text{ Mpa}$	Hammer Drill	$N_{rk}$	KN	3.00	4.00
			$N_{rec}$	KN	<b>1.20</b>	<b>1.60</b>
Concrete C12/M15	$\rho \geq 1.80 \text{ kg/dm}^3$ $fb \geq 15 \text{ Mpa}$	Hammer Drill	$N_{rk}$	KN	2.50	3.00
			$N_{rec}$	KN	<b>0.90</b>	<b>1.10</b>
Autoclaved Aerated Concrete (AAC2)	$\rho \geq 0.35 \text{ kg/dm}^3$ $fb \geq 2 \text{ Mpa}$	Rotary Drill	$N_{rk}$	KN	0.50	0.60
			$N_{rec}$	KN	<b>0.15</b>	<b>0.20</b>
Autoclaved Aerated Concrete (AAC7)	$\rho \geq 0.65 \text{ kg/dm}^3$ $fb \geq 6.5 \text{ Mpa}$	Rotary Drill	$N_{rk}$	KN	1.20	1.50
			$N_{rec}$	KN	<b>0.40</b>	<b>0.50</b>
Solid sand lime brick	$\rho \geq 2.00 \text{ kg/dm}^3$ $fb \geq 20 \text{ Mpa}$	Hammer Drill	$N_{rk}$	KN	2.80	3.50
			$N_{rec}$	KN	<b>0.65</b>	<b>1.00</b>
Hollow sand lime brick	$\rho \geq 1.60 \text{ kg/dm}^3$ $fb \geq 12 \text{ Mpa}$	Rotary Drill	$N_{rk}$	KN	2.00	2.50
			$N_{rec}$	KN	<b>0.55</b>	<b>0.70</b>
Hollow clay brick	$\rho \geq 1.20 \text{ kg/dm}^3$ $fb \geq 12 \text{ Mpa}$	Rotary Drill	$N_{rk}$	KN	1.60	2.00
			$N_{rec}$	KN	<b>0.50</b>	<b>0.60</b>

1KN = 100Kgs



$$\frac{N_{rk}}{\gamma_M \cdot \gamma_F} = N_{rec}$$

Recommended loads are based on the simplified design method according to ETAG 020, Annex C and are valid for one anchor without spacing and edge influence. For Design loads multiply by the factor  $\gamma_F$ .

Anchor design is registered (since 2018) by  
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KWIK KFS-PRO® is a Registered Trade Mark of:



# kwik™

**Kwik Fastening Solutions Private Limited**



INTELLECTUAL  
PROPERTY INDIA  
PATENT DESIGN TRADE MARKS  
GEOGRAPHICAL INDICATIONS

**KFS-PRO®** (TM Reg. No.: 2460950)

## KWIK KFS-PRO®

### PRODUCT DETAILS

Size	Product Code CSK 8.8 Gr. CSK A4 Gr.	Product Code HEX 8.8 Gr. HEX A4 Gr.	Fixture thk. : t <sub>fix</sub> (mm)	Plug : d <sub>0</sub> x L (mm)	Torx	Box Qty. (nos.)	Carton Qty. (nos.)
<b>NYLON ANCHORS WITH COUNTERSUNK &amp; HEXAGONAL HEAD SCREWS (8.8 Gr. &amp; SS316/A4 Gr.)</b>							
<b>KFS-PRO M8x80</b>	KFS-C-88-08080 KFS-C-A4-08080	KFS-H-88-08080 KFS-H-A4-08080	20	8.0 x 80	T30	100	300
<b>KFS-PRO M8x100</b>	KFS-C-88-08100 KFS-C-A4-08100	KFS-H-88-08100 KFS-H-A4-08100	40	8.0 x 100	T30	100	300
<b>KFS-PRO M8x120</b>	KFS-C-88-08120 KFS-C-A4-08120	KFS-H-88-08120 KFS-H-A4-08120	60	8.0 x 120	T30	100	300
<b>KFS-PRO M8x140</b>	KFS-C-88-08140 KFS-C-A4-08140	KFS-H-88-08140 KFS-H-A4-08140	80	8.0 x 140	T30	100	300
<b>KFS-PRO M10x80</b>	KFS-C-88-10080 KFS-C-A4-10080	KFS-H-88-10080 KFS-H-A4-10080	10	10.0 x 80	T40	100	300
<b>KFS-PRO M10x100</b>	KFS-C-88-10100 KFS-C-A4-10100	KFS-H-88-10100 KFS-H-A4-10100	30	10.0 x 100	T40	100	300
<b>KFS-PRO M10x120</b>	KFS-C-88-10120 KFS-C-A4-10120	KFS-H-88-10120 KFS-H-A4-10120	50	10.0 x 120	T40	100	300
<b>KFS-PRO M10x140</b>	KFS-C-88-10140 KFS-C-A4-10140	KFS-H-88-10140 KFS-H-A4-10140	70	10.0 x 140	T40	100	300
<b>KFS-PRO M10x160</b>	KFS-C-88-10160 KFS-C-A4-10160	KFS-H-88-10160 KFS-H-A4-10160	90	10.0 x 160	T40	75	225

### OTHER PRODUCTS FOR FINISHING PROFESSIONALS



**KWIK KOMBI-FOAM PRO (750ml)**  
B3 Grade Polyurethane Foam (Gun Grade)



**KWIK KOMBI-FOAM PRO (750ml)**  
B3 Grade Polyurethane Foam (Straw Grade)



**KWIK KOMBI GUN**  
Polyurethane Foam Dispensing Gun



**KWIK KOMBI-CLEANER PRO (500ml)**  
Gun and Foam - Cleaner



**KWIK KOMBI-FOAM PRO FR (750ml)**  
B1 Grade Polyurethane Foam (Straw Grade)  
B1 Grade Polyurethane Foam (Gun Grade)

**Kwik Fastening Solutions Pvt. Ltd.**

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