

HIGH STRENGTH LOADING WITH FAST INSTALLATION

HEX HEAD SCREW – 5.8/A2



GSK HEAD SCREW – 5.8/A2



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**



KWIK KPS-FAST®

PRODUCT DESCRIPTION

KWIK KPS-FAST® *Versatile Nylon Anchor - Eco*

The **KPS-FAST®** is a versatile yet an economical nylon 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 5.8Gr. zinc flake 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

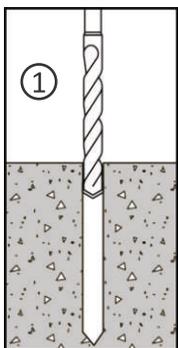
BASE MATERIALS

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

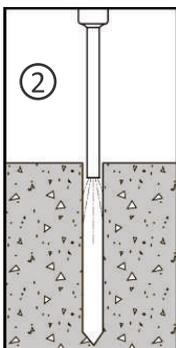


KWIK KPS-FAST®
NYLON ANCHOR

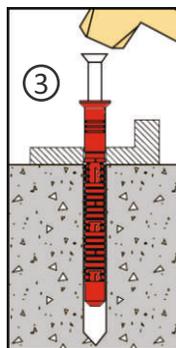
INSTALLATION PROCEDURE



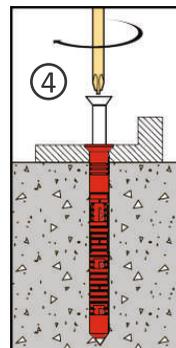
1 Drill a hole of required diameter & depth in the base material.



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.



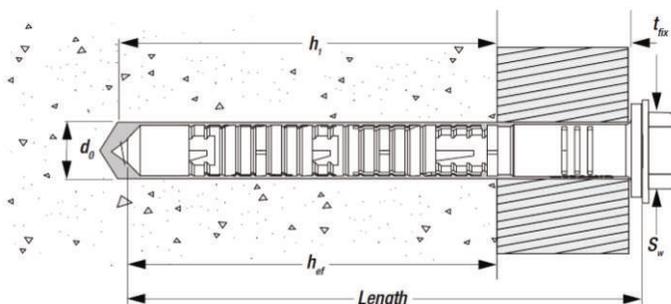
CSK Torx®
T30 / T40 Head
**ZINC PLATED &
STAINLESS STEEL**



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	2.80	3.50
			N_{rec}	KN	1.00	1.30
Concrete C12/M15	$\rho \geq 1.80 \text{ kg/dm}^3$ $fb \geq 15 \text{ Mpa}$	Hammer Drill	N_{rk}	KN	2.00	2.50
			N_{rec}	KN	0.70	0.90
Autoclaved Aerated Concrete (AAC2)	$\rho \geq 0.35 \text{ kg/dm}^3$ $fb \geq 2 \text{ Mpa}$	Rotary Drill	N_{rk}	KN	0.40	0.50
			N_{rec}	KN	0.12	0.15
Autoclaved Aerated Concrete (AAC7)	$\rho \geq 0.65 \text{ kg/dm}^3$ $fb \geq 6.5 \text{ Mpa}$	Rotary Drill	N_{rk}	KN	0.95	1.20
			N_{rec}	KN	0.30	0.40
Solid sand lime brick	$\rho \geq 2.00 \text{ kg/dm}^3$ $fb \geq 20 \text{ Mpa}$	Hammer Drill	N_{rk}	KN	2.50	3.00
			N_{rec}	KN	0.50	0.80
Hollow sand lime brick	$\rho \geq 1.60 \text{ kg/dm}^3$ $fb \geq 12 \text{ Mpa}$	Rotary Drill	N_{rk}	KN	1.50	2.00
			N_{rec}	KN	0.44	0.55
Hollow clay brick	$\rho \geq 1.20 \text{ kg/dm}^3$ $fb \geq 12 \text{ Mpa}$	Rotary Drill	N_{rk}	KN	1.20	1.50
			N_{rec}	KN	0.40	0.50



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 γ_F .

Anchor design is registered (since 2018) by
Controller General of Patents, Designs &
Trademarks department of Government of India.
KWIK KPS-FAST® is a Registered Trade Mark of:



kwik™

Kwik Fastening Solutions Private Limited



INTELLECTUAL
PROPERTY INDIA
PATENT DESIGN TRADE MARKS
GEOGRAPHICAL INDICATIONS

KPS-FAST® (TM Reg. No.: 2330196)

KWIK KPS-FAST®

PRODUCT DETAILS

Size	Product Code CSK 5.8 Gr. CSK A2 Gr.	Product Code HEX 5.8 Gr. HEX A2 Gr.	Fixture thk. : t _{fix} (mm)	Plug : d ₀ x L (mm)	Torx	Box Qty. (nos.)	Carton Qty. (nos.)
NYLON ANCHORS WITH COUNTERSUNK & HEXAGONAL HEAD SCREWS (5.8 Gr. & SS304/A2 Gr.)							
KPS-FAST M8x80	KPS-C-58-08080 KPS-C-A2-08080	KPS-H-58-08080 KPS-H-A2-08080	20	8.0 x 80	T30	100	300
KPS-FAST M8x100	KPS-C-58-08100 KPS-C-A2-08100	KPS-H-58-08100 KPS-H-A2-08100	40	8.0 x 100	T30	100	300
KPS-FAST M8x120	KPS-C-58-08120 KPS-C-A2-08120	KPS-H-58-08120 KPS-H-A2-08120	60	8.0 x 120	T30	100	300
KPS-FAST M8x140	KPS-C-58-08140 KPS-C-A2-08140	KPS-H-58-08140 KPS-H-A2-08140	80	8.0 x 140	T30	100	300
KPS-FAST M10x80	KPS-C-58-10080 KPS-C-A2-10080	KPS-H-58-10080 KPS-H-A2-10080	10	10.0 x 80	T30	100	300
KPS-FAST M10x100	KPS-C-58-10100 KPS-C-A2-10100	KPS-H-58-10100 KPS-H-A2-10100	30	10.0 x 100	T30	100	300
KPS-FAST M10x120	KPS-C-58-10120 KPS-C-A2-10120	KPS-H-58-10120 KPS-H-A2-10120	50	10.0 x 120	T30	100	300
KPS-FAST M10x140	KPS-C-58-10140 KPS-C-A2-10140	KPS-H-58-10140 KPS-H-A2-10140	70	10.0 x 140	T30	100	300
KPS-FAST M10x160	KPS-C-58-10160 KPS-C-A2-10160	KPS-H-58-10160 KPS-H-A2-10160	90	10.0 x 160	T30	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.

Office : 7 & 8, Highway Commercial Centre, I. B. Patel Road, Near Western Express Highway, Goregaon (E), Mumbai - 63, Maharashtra, India.

Email: contact@kwikindia.com • Web: www.kwikindia.com / www.kwikanchors.com • Contact: +91 9769099641 / +91 9930233390