



Evolution Fasteners (UK) Ltd
 Units 2A & 2B Clyde Gateway Trade Park
 Dalmarnock Road, Rutherglen, Glasgow G73 1AN
 Tel: +44 (0)141 647 7100 / Fax: +44 (0)141 647 5100
 Email: technical@evolutionfasteners.co.uk



PRODUCT DATASHEET

ECONOMY NYLON HAMMERFIX SCREW

Product Details

Designed for Purpose: *Through fixing for use in masonry*
 Head style: *Countersunk*
 Coating: *Zinc with dichromate passivation*
 Shank material: *Carbon steel*
 Material grade: *C1018*

Economy Nylon Hammerfix Screw

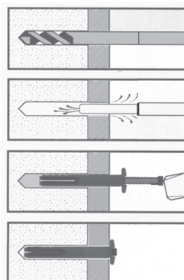
Product Code	Dimensions (mm)	Box Quantity	Carton Quantity
HS640	6.0 x 40.0	200	2,400
HSC640	6.0 x 40.0	200	2,400
HS660	6.0 x 60.0	200	2,400
HS880	8.0 x 80.0	100	1,200
HS8100	8.0 x 100.0	100	1,200

Technical Data

Characteristic Pull Out Resistance (kN)								
Nominal Diameter (mm)	Substrate							
	Concrete		Brick Work		Block Work			
	C12/15	C20/25 to C50/60	Solid Clay	Solid Calcium Silicate	Hollow Calcium Silicate	Hollow Lightweight Concrete	Solid Lightweight Concrete	Aerated Concrete
6.0	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.1
8.0	0.9	1.0	0.4	0.4	N/A	0.3	0.3	0.1

Application Guide

1. Drill pilot hole of correct diameter through the part to be fixed.
2. Insert the anchor as far as possible.
3. Tap the expansion screw until the head comes into contact with the flange of the sleeve or,
4. Use a screwdriver to screw the insert fully.



ABOUT OUR TESTING



All test results were derived from empirical testing performed by ETAS (Evolution Testing & Analytical Services), a UKAS (United Kingdom Accreditation Service) accredited testing laboratory (Accreditation No. 7485). The following tests were performed to the following standards.



7485

Testing Procedures

Test/ Parameter	Standard/ Method/ Procedure
Ultimate Tensile	ISO 6892-1: 2009 "Metallic materials – tensile testing – Part 1: Method of test at room temperature".
Ultimate Shear	MIL-STD-1312-13 "Military Standard: Fastener test method (Method 13) Double shear test".
Pull Out (Withdrawal Force)	EN 14566: 2009 "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".
Pull Over	EN 14592: 2008 "Timber structures. Dowel type fasteners. Requirements".
Hardness	ISO 650 7-1: 2005 "Metallic materials – Vickers hardness test – Part 1: Test method".
Corrosion Resistance	EN ISO 9227: 2012 "Corrosion tests in artificial atmospheres. Salt spray tests".
Drilling Time Test	EN 14566: 2009 "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".

Laboratory Contact Details

Evolution Testing & Analytical Services
 Units 2A & 2B Clyde Gateway Trade Park
 Dalmarnock Road
 Rutherglen
 South Lanarkshire
 G73 1AN
 T: (0141) 643 4125
 F: (0141) 647 5100
 E: sales@etasuk.com