



by **lindapter**®   

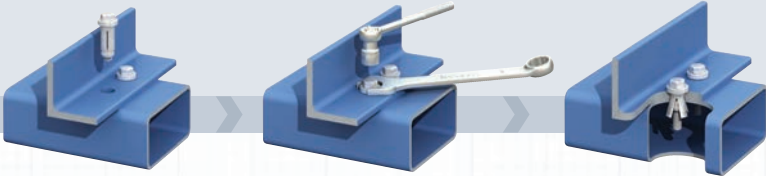


The Original Expansion Bolt for Structural Steel

The Hollo-Bolt eliminates the need for conventional through-bolting or welding of structural hollow section (SHS) or any steel structure where access is only available from one side.

SIMPLE HOLLO-BOLT INSTALLATION

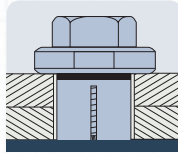
1. Align pre-drilled fixture and section and insert Hollo-Bolt.
2. Grip the Hollo-Bolt collar with an open ended spanner.
3. Using a torque wrench, tighten the central bolt to recommended torque.



THE HOLLO-BOLT RANGE

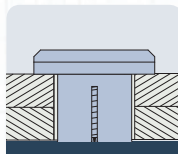
HEXAGONAL

The Hollo-Bolt collar and head of the Grade 8.8 bolt are evident above the surface of the steel section.



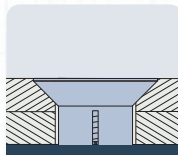
COUNTERSUNK (BOLT HEAD)

For minimal visible protrusion, the countersunk bolt head features a Grade 10.9 countersunk bolt with a special collar to accommodate the entire head so that drilling countersunk holes is not necessary.



FLUSH FIT

For zero visible protrusion, the innovative Flush Fit Hollo-Bolt is entirely concealed within the countersunk hole once installed, a perfect solution for architects!



Corrosion Resistance Options & Sizes	Hex Head	Countersunk	Flush Fit
Bright Zinc Plated & JS500	✓	✓	✓
Hot Dip Galvanised	✓		
Sheraplex	✓	✓	✓
Stainless Steel (Grade 316)	✓	✓	✓

For more information visit the website: www.hollo-bolt.com

10 reasons to use Hollo-Bolt



Fast, time saving installation



Lower labour costs



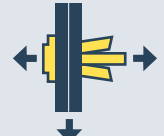
Easy to install from just one side



For SHS and other hollow sections



No need to weld, no hot work permits



High resistance to shear and tension



Hollo-Bolt (HCF) for 3x Clamping Force



Various corrosion resistant options



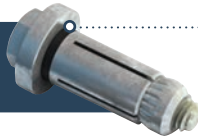
Aesthetically pleasing connections



Independently approved product performance



HOLLO-BOLT (HCF)
for Structural Connections

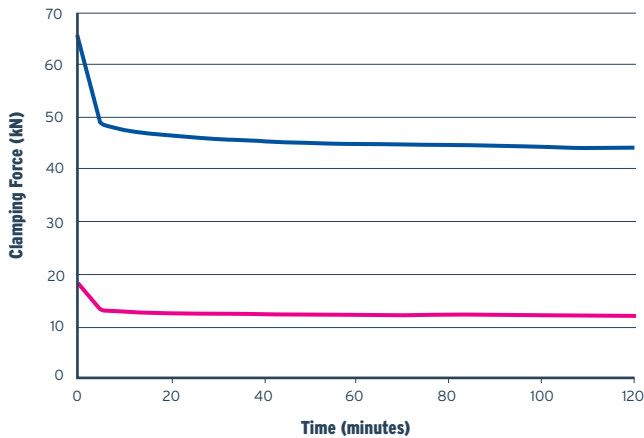


High Clamping Force (HCF) mechanism

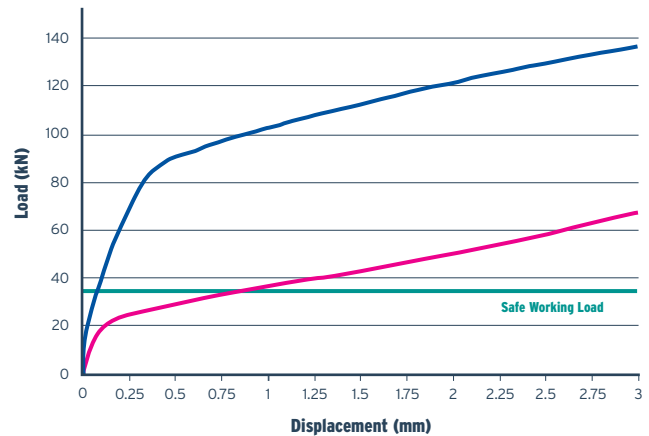
■ With HCF Mechanism 5-Part Design (Hot Dip Galv., Size 2)

■ Without HCF Mechanism 3-Part Design (Hot Dip Galv., Size 2)

M20: Up to 3.5x Clamping Force

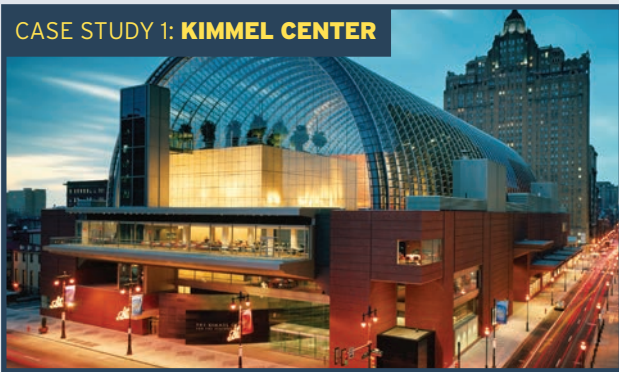


M20: Connection Load Vs Ply Displacement



Hollo-Bolt sizes M16 and M20 are optimised for structural connections and feature a patented High Clamping Force (HCF) Mechanism. This mechanism allows the Hollo-Bolt (HCF) to produce a typical clamping force over three times higher than the same sized product without the mechanism. The increased clamping force results in a more secure connection, as a greater force has to be overcome before displacement begins.

CASE STUDY 1: KIMMEL CENTER



LOCATION

Philadelphia, PA, USA

APPLICATION

Connecting barrel-vault roof using Hollo-Bolt Hexagonal



CLOSE UP



CASE STUDY 2: SALT RIVER FIELDS STADIUM



LOCATION

Scottsdale, AZ, USA

APPLICATION

SHS connections for the floodlighting frame



Hollo-Bolt (HCF) used



CLOSE UP

