## **PRODUCT DATA**



## **HBS-BOLT<sup>®</sup>**

## Description

The HBS-Bolt® FLUSH is suitable for various steel connections due to its high shear capacity and large grip range. This enables installation where there is limited access as well as onesided installation for fixing steel to hollow sections.

## Applications

- · Fixing steel to hollow steel sections
- · Use with square, rectangle and circular hollow sections
- · High shear and tensile capacities
- · Large grip range
- · One-sided installation with flush fit head
- Steel framework, including gantries, bridges, stadiums, and transmission towers





HBS-Bolt<sup>®</sup> for Blind and Hollow **HBS-BOLT®** HBS-Bolt<sup>®</sup> CSK for Blind and Hollow Flush **Steel Connections Steel Connections** 3-part 3-part 5-part 3-part 5-part Assembly Assembly Assembly Assembly Assembly • M8 • M8 • M16 • M8 • M16 • M10 • M10 • M10 • M12 • M12 • M12 Hexagon collar for use with open Collar with across flats for use with end or ring spanner. open end spanner. Flush Fit Sleeve Setting nut needed for installation. 1x install tool included in each carton. **Mechanical Properties Mechanical Properties** Characteristic Working Characteristic Working ID Load<sup>a</sup> Load Load<sup>a</sup> Load Nominal Nominal Part Prefix. Part Prefix. Size Tensile Shear Tensile Shear Size Tensile Shear Tensile Shear kΝ kΝ kΝ kΝ kΝ kΝ kΝ kΝ KBB88GKM08 KBB88GKM08 26.1 7 7 M8 24.3 6 M8 24.3 26 1 6 Flush Fit Sleeve Setting Nut 45.6 KBB88GKM10 KBB88GKM10 M10 Inner 44.8 10 12 M10 44.8 45.6 10 12 Spnr Hght Size Dia Nom Part KBB88GKM12 KBB88GKM12 M12 51.6 58.3 15 M12 51.6 58.3 13 13 15 Size AF2 ID Н (mm) (mm) (mm) KBB88GKM16 KBB88GKM16 M16 89.1 105.3 23 28 M16 89.1 105.3 23 28 KBB88GUNM08 M8 19 8 KBB88GUNM10 M10 24 20 10 <sup>a</sup>Characteristic loads are used to calculate design resistance and only apply to the HBS-Bolt<sup>®</sup> assembly. They should not be used as working loads. The design resistance of the connection may be lower due to material properties KBB88GUNM12 M12 30 12 of other parts of the connection.









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