

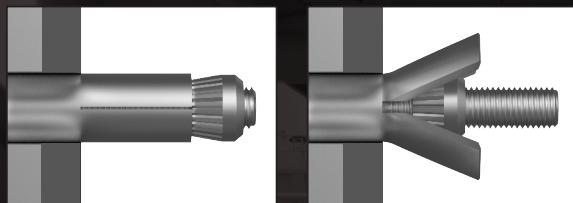
DID YOU KNOW?

about our...



**SPOT
LIGHT**

HBS-Bolt® Range

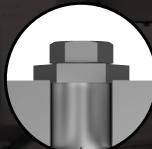


HEX

CSK

FLUSH

Engineering innovation powered by our robust technical capabilities and the assurance of a NATA-accredited laboratory.



HEX



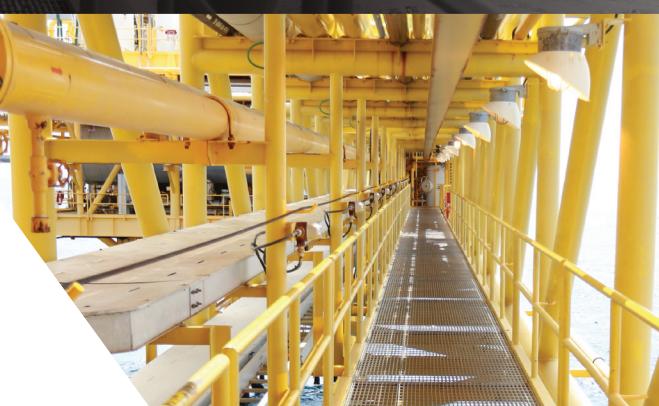
CSK



FLUSH



HBS-BOLT® HEX, CSK & FLUSH



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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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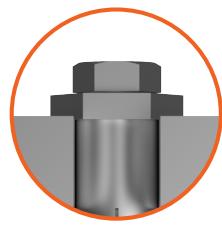


**SPOT
LIGHT**

HBS-Bolt® Range

HBS-BOLT® HEX — BLIND INSTALL HOT DIP GALVANISED / HEC / CLASS 8.8

Part	QFind	Size	Length (mm)	Grip (mm)	Hex Size (mm)
KBB88GHM080050	HBG850	M8	50	3–22	13
KBB88GHM080070	HBG870	M8	70	22–41	13
KBB88GHM080090	HBG890	M8	90	41–60	13
KBB88GHM100055	HBG1055	M10	55	3–22	16
KBB88GHM100070	HBG1070	M10	70	22–41	16
KBB88GHM100090	HBG1090	M10	90	41–60	16
KBB88GHM120060	HBG1260	M12	60	3–25	18
KBB88GHM120080	HBG1280	M12	80	25–47	18
KBB88GHM120110	HBG12110	M12	110	47–69	18
KBB88GHM160080	HBG1680	M16	80	12–29	24
KBB88GHM160100	HBG16100	M16	100	29–50	24
KBB88GHM160120	HBG16120	M16	120	50–71	24
KBB88GHM200090	HBG2090	M20	90	12–34	30
KBB88GHM200120	HBG20120	M20	120	34–60	30
KBB88GHM200140	HBG20140	M20	140	60–86	30



HEX



3-part assembly

- » **M8**
- » **M10**
- » **M12**



5-part assembly

- » **M16**
- » **M20**

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 HEX head bolt
- Steel framework, including gantries, bridges, stadiums and transmission towers



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HBS-Bolt® Range

HBS-BOLT® HEX — BLIND INSTALL 316 STAINLESS STEEL / HEC / A4

Part	QFind	Size	Length (mm)	Grip (mm)	Hex Size (mm)
KBB16PHM100055	HBA41055	M10	55	3–22	16
KBB16PHM120060	HBA41260	M12	60	3–25	18
KBB16PHM160080	HBA41680	M16	80	12–29	24
KBB16PHM160100	HBA416100	M16	100	29–50	24
KBB16PHM200090	HBA42090	M20	90	12–34	30



HEX



3-part assembly

- » **M10**
- » **M12**



5-part assembly

- » **M16**
- » **M20**

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 HEX head bolt
- Steel framework, including gantries, bridges, stadiums and transmission towers
- Stainless steel applications



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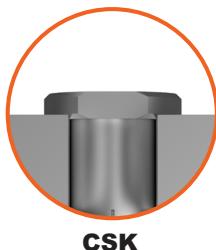
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LIGHT**

HBS-Bolt® Range

The **HBS-Bolt® CSK** 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 one-sided installation for fixing steel to hollow sections.

HBS-BOLTS® CSK — BLIND INSTALL HOT DIP GALVANISED / HEC / CLASS 8.8

Part	QFind	Size	Length	Grip	Hex Size
KBB88GKM080050	HBKG850	M8	50	3–22	5
KBB88GKM080070	HBKG870	M8	70	22–41	5
KBB88GKM080090	HBKG890	M8	90	41–60	5
KBB88GKM100050	HBKG1050	M10	50	3–22	6
KBB88GKM100070	HBKG1070	M10	70	22–41	6
KBB88GKM100090	HBKG1090	M10	90	41–60	6
KBB88GKM120055	HBKG1255	M12	55	3–25	8
KBB88GKM120080	HBKG1280	M12	80	25–47	8
KBB88GKM120100	HBKG12100	M12	100	47–69	8
KBB88GKM160070	HBKG1670	M16	70	12–29	10
KBB88GKM160100	HBKG16100	M16	100	29–50	10
KBB88GKM160120	HBKG16120	M16	120	50–71	10



CSK



3-part assembly



5-part assembly

- » M8
- » M10
- » M12

- » M16

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 countersunk head bolt
- Steel framework, including gantries, bridges, stadiums and transmission towers



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**SPOT
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HBS-Bolt® Range

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 one-sided installation for fixing steel to hollow sections.

HBS-BOLT® FLUSH — BLIND INSTALL HOT DIP GALVANISED / HEC / CLASS 8.8

Part	QFind	Size	Length	Grip	Hex Size
			(mm)	(mm)	(mm)
KBB88GUM080050	HBUG850	M8	50	8–27	5
KBB88GUM080070	HBUG870	M8	70	27–46	5
KBB88GUM080090	HBUG890	M8	90	46–65	5
KBB88GUM100050	HBUG1050	M10	50	9–28	6
KBB88GUM100070	HBUG1070	M10	70	28–47	6
KBB88GUM100090	HBUG1090	M10	90	47–66	6
KBB88GUM120055	HBUG1255	M12	55	10–32	8
KBB88GUM120080	HBUG1280	M12	80	32–54	8
KBB88GUM120100	HBUG12100	M12	100	54–76	8



FLUSH



3-part assembly

- » **M8**
- » **M10**
- » **M12**



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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

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