

The Load and Resistance factor (LRFD) design strengths figures are taken from the ICC-ES Evaluation Report ESR-3330 for Hollo-Bolt (Table 2) and ESR-3976 for Girder Clamps (Table 3 and 4) and have been converted from **lbs** to **kN** (conversion 1 lb = 0.0044 kN). The LRFD Design Strengths have been calculated in accordance with the ICC-ES Acceptance Criteria AC437 and AC469.



LRFD Design Strength Data Hollo-Bolt Countersunk Head

Meets the requirements of AISC 360, AISC 341 and AISI S-100. Approved for static, wind and seismic loading (A to F). The LRFD figures are suitable for use when designing to the AISC Steel Construction Manual, AS 4100 and NZS 3404.



Material (Countersunk Head): Carbon steel, Zinc + JS500 & Sheraplex

Product Code	Bolt Ø	Static & Wind Loads		Seismic Loads	
		LRFD Design Strength			
		Tension kN	Shear kN	Tension kN	Shear kN
HBCSK08-1	M8	16.8	14.3	14.7	11.9
HBCSK08-2	M8	16.8	14.3	14.7	11.9
HBCSK08-3	M8	16.8	14.3	14.7	11.9
HBCSK10-1	M10	27.4	24.4	24.4	20.3
HBCSK10-2	M10	27.4	24.4	24.4	20.3
HBCSK10-3	M10	27.4	24.4	24.4	20.3
HBCSK12-1	M12	38.0	33.3	33.2	27.8
HBCSK12-2	M12	38.0	33.3	33.2	27.8
HBCSK12-3	M12	38.0	33.3	33.2	27.8
HBCSK16-1	M16	61.9	51.8	59.3	43.5
HBCSK16-2	M16	61.9	51.8	59.3	43.5
HBCSK16-3	M16	61.9	51.8	59.3	43.5

Note:
LRFD method
is similar to
the LSD (Limit
State Design)
method



Superior Corrosion Resistance

The durability of the Lindapter Hollo-Bolt is achieved by coating or by use of stainless steel and is categorised by Corrosivity Class in accordance with ISO 9223. Hollo-Bolts are also available with a special Sheraplex finish* (currently not included in ICC-ES ESR-3330) that are suitable for High and Very High Corrosion Categories C4 and C5. The length of corrosion protection provided by the Sheraplex coating depends on the exact application and environment, please contact Lindapter technical support or your local Leviat representative for more information.

* Sheraplex finish: Sheradized to BS 4921: 1988 Class 1 plus passivation and two coats of Delta Seal Silver.

