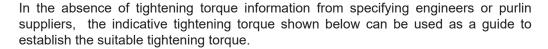




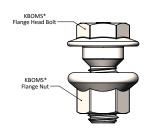
Product Data Sheet

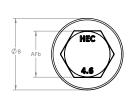
Hobson 4.6 Shoulder Purlin Bolt Assembly

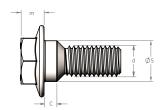
A Hobson 4.6 Shoulder Purlin Bolt assembly consists of a property class 4.6 shoulder head bolt, a class 5 nut and a flange washer. The assembly comes only in zinc plated (ZP) version.

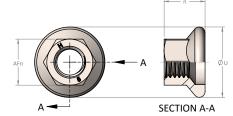












KBOMS* Bolt

KBOMS* Nut

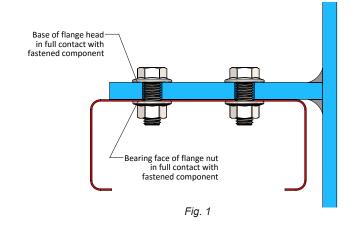
Part Number	Finish	Thread Size	Flange Bolt					Flange Nut			Indicative	Bolt
			Across Flats	Head Height	Flange Diameter	Shoulder Diameter	Shoulder Depth	Across Flats	Nut Flange Diameter	Nut height	Tightening Torque ¹	Tension ²
		d	AF _b	m	ØВ	øs	С	AF _n	ØU	n	Т	P
			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(N-m)	(N)
KBOMSZCM120030	ZP	M12	19	9	27.5	16	5	19	27.5	16.5	25.0	9,500

Important Notes:

Installation Reminder:

Skewed bolt assembly orientation should be avoided. The base of the head and the base of the nut should be in full contact with the fastened component(s) as shown on Fig. 1.

Hole size and dimensions should be in accordance with AS4600 or as specified by the designing engineer.



¹ Tightening torque T is calculated by using the basic formula, $T = P \cdot k \cdot D$, where P is the intended bolt tension assumed to be 50% percent of the bolt's proof load, k is the torque-friction factor and D is the thread diameter. The k value used for zinc plated and hot dip galvanised assemblies are 0.22 and 0.25 respectively. Note that the value of k can vary depending on thread conditions, thread/bearing surfaces lubrication and site conditions. All relevant bearing surfaces are assumed to be in full contact as shown in Fig. 1. The required bolt tension and torque should be validated/defined by the deciding engineer.

² Bolt tension is calculated at 50% percent of the bolt's proof load.