

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The OMG X-Wing is a toggle fastener for attaching insulation to a variety of decks including gypsum, cementitious wood fiber, and lightweight insulating concrete decks. The X-Wing is designed specifically for use with an OMG Extra Heavy Duty (XHD) fastener and a standard 3-in. (75 mm) insulation plate, both sold separately.

The OMG X-Wing is not designed for attaching roof membrane under any conditions.

OMG X-Wings are provided unassembled in quantities of 1,000 pieces.

FEATURES & BENEFITS

- Fast and easy assembly
- Designed to be used with the OMG #15 XHD fastener and standard insulation plate.

APPLICATION

A 3/4-in. (20 mm) pilot hole must be drilled entirely through the deck. Using a screw gun,* drive the fastener until the wing is drawn up against the underside of the deck and the attachment is tight.

The fastener must be long enough to allow a minimum of 1 1/2-in. (38 mm) clearance on the underside of the deck in order for the wing to open. Not recommended for securing with fasteners less than 4-in. (100 mm) long.

NOTE: Prior to job-start, contact OMG to perform a pullout test to determine pullout values. Also, care must be taken not to overdrive the fastener causing subsequent damage to the insulation facer. Fastener must be tight enough so that the plate does not turn.

*For best results use a variable speed 0–2500 RPM screw gun. The fastener should always be tested on site by an OMG representative to determine performance.

FASTENERS & PLATES

Use an OMG #15 Extra Heavy Duty (XHD) fastener and a 3-in. (75 mm) steel insulation plate. Fasteners and plates sold separately. OMG XHD Fasteners available in lengths to 16-in. (405 mm). Contact OMG to determine the appropriate plate for your application.

Pre-drill all deck types using a 3/4-in. (20 mm) drill bit.

KEY:

S Steel	SC Structural Concrete
W Wood	LC Lightweight Concrete
G Gypsum	LWIC Lightweight Insulating Concrete
P Purlins	CWF Cementitious Wood Fiber



Fasteners and plates sold separately.

USE WITH
LWIC
G
CWF
DECK TYPES

PHYSICAL DATA†

The data below is constant for each OMG X-Wing.

MATERIAL
Zinc plated

The data below is constant for each XHD Fastener.

HEAD	THREAD
#3 Phillips Truss Head**	.275" (6.98 mm) Diameter
	SHANK
.435" (11.04 mm) Diameter	.202" (5.13 mm) Diameter
	COATING
	CR-10

ORDERING INFORMATION

CAT. NO.	LENGTH IN (MM)	THREAD IN (MM)	PKG QTY	WEIGHT LBS (KG)
TW001-X	N/A	N/A	1000	31 (14.07)
XHD004B	4 (100)	3 (76)	1000	38 (17.25)
XHD005B	5 (125)	4 (102)	500	24 (10.89)
XHD006B	6 (150)	4 (102)	500	28 (12.71)
XHD007B	7 (175)	4 (102)	500	34 (15.44)
XHD008B	8 (200)	4 (102)	500	38 (17.25)
XHD010B	10 (255)	4 (102)	500	47 (21.33)
XHD012B	12 (305)	4 (102)	500	56 (25.42)
XHD014	14 (355)	4 (102)	250	32 (14.52)
XHD016	16 (405)	4 (102)	250	38 (17.25)
SPGA3-R	3" (75 mm) diameter		1000	37 (16.79)

B = Bucket

†All sizes are nominal.