

Fast, Easy & Reusable

The MB Barrier Reflector Connector

Leader and innovator of precast solutions, Meadow Burke, introduces the MB Barrier Reflector Connector. With simplicity and functionality being the real value, the primary benefit of this product is improved highway safety.

The **MB Reflector Connector** channel and t-bolt assembly are easy to install, reusable, and eliminate the need for on-site drilling. Standard and custom channel lengths are available to fit various precast form lengths and to provide on-site installation and *adjustability of glare screens*. This innovative system improves worker safety, reduces installation time, and significantly lowers labor costs.

Simple and easy to install, the only tools you really need are a ratchet and socket.

For additional information on this product, or other Meadow Burke innovations call **877.518.7665**.
www.MeadowBurke.com



MeadowBurke®

Features Include:

- No field drilling
- Channel and t-bolt design
- Hot rolled channel with welded I-anchors
- Black memory foam
- Custom lengths available
- Flush surface fit
- Hot dip galvanized finish – all products

Benefits Include:

- Worker safety
- No damage to concrete or reinforcing steel
- No drills, bits, large bolts, or templates required
- Labor savings from installation
- Minimize repairs and replacement of barriers
- Reduced construction time
- Ease of installation, and reusability of t-bolts and nuts
- High strength product with significant pull out capacity
- UV inhibitor prevents sunlight deterioration
- Prevents ice and water accumulation
- Use in any form length
- Stackable
- Less storage space required
- Pre-install all glare screens, reflectors, signs, etc.
- Corrosion protection

Halfen 2815 HTA: Series Anchor Channels

Tee-Bolt Selection Chart					
Tee-Bolt Diameter (D)	mm (in)	M6 (1/4)	M6 (5/16)	M10 (3/8)	M10 (3/8)
Strength Grade		4.6 standard	4.6 standard	4.6 standard	8.8 hi-tensile
Nut Torque	ft lb (N m)	2.2 (3)	6 (8)	11 (15)	30 (40)
Allowable Tension Load (T _a)(kN)	lb (2.7)	600 (4.9)	1,100 (4.9)	1,700 (7.6)	3,550 (15.8)
Allowable Shear Load (V _a)(kN)	lb (1.8)	400 (3.2)	730 (3.2)	1,150 (5.1)	2,400 (10.7)
Allowable Slip Load (V _s)(kN)	lb (0.5)	110 (0.8)	180 (0.8)	230 (1.0)	670 (3.0)
Length (L) mm (in)	Tee-bolt and Nut Part Number				
15 (5/8)	S	S	S	x	x
20 (3/4)	S	S	S	x	x
25 (1)	S	S	BC2311	x	x
30 (1-1/4)	S	S	BD2312	x	BD2411
40 (1-1/2)	S	S	BF2311	BF2322	x
50 (2)	S	S	BH2312	x	BH2411
60 (2-3/8)	S	S	BJ2311	x	x
80 (3-1/4)	x	S	S	x	x
100 (4)	x	S	S	x	x
125 (5)	x	x	S	x	x
150 (6)	x	S	S	x	x
200 (8)	x	x	S	x	x

NOTE: 1: Tee-bolt part numbers ending in 1 are electroplated, ending in 2 are hot dipped galvanized.

2. S indicates special orders, X indicates not available.

3. For stainless steel tee-bolts, see page 50.

4. Bolt capacity may be limited by anchor channel capacity.

5. Check combined loads using:

$$\left(\frac{T_{\text{actual}}}{T_a}\right)^2 + \left(\frac{V_{\text{actual}}}{V_a}\right)^2 \leq 10$$

6. To determine minimum bolt length (L), add grip (G) plus bolt diameter (D) plus 3/16" (5mm). Select next larger length from the tee-bolt selection chart.

Part Number	Channel Length (ft)	Allowable Uniform Loads	
		Pull-Out (T _a) lbs/ft	Shear (V _a) lbs/ft
MBRC22060	5	6	660
MBRC22132	11		
MBRC23108	9		
MBRC22036	3		
MBRC23060	5		
MBRC23084	7		
MBRC24108	9		
MBRC24132	11		

NOTE: 1: Check interaction using $(T_{\text{actual}}/T_a)^{5/3} + (V_{\text{actual}}/V_a)^{5/3} \leq 1.0$
 2: When ordering stainless steel anchor channels, add suffix A2 or A4 to Part number (e.g. MBRC22060 A2) as applicable.

