

3.4 MI Components, Allowable Load Data and Specifications

MI concrete connectors: MIC-C90-U¹

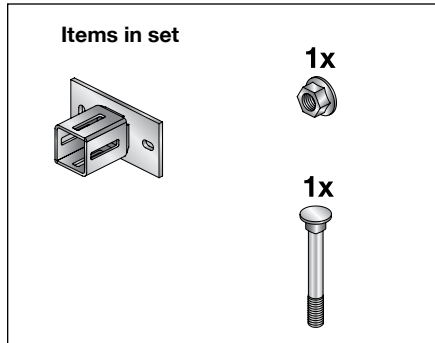
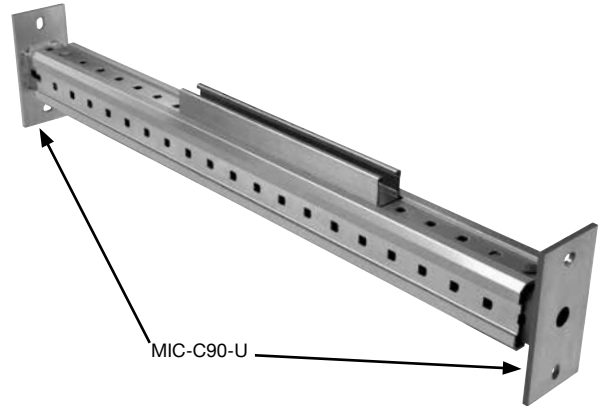
Material Specifications

Material	S235 JRG2 (DIN 10025), ASTM A1011 (34)
Galvanizing	Hot-dip galvanized 2.2 mils (55 µm) DIN EN ISO 1461, ASTM A153

Ordering Information

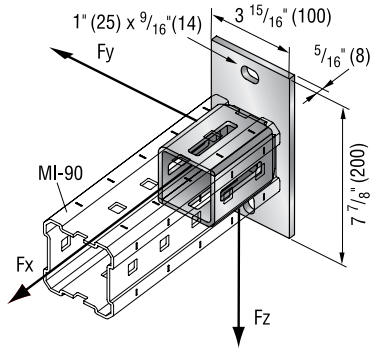
Description	For Girder Type	Weight Per Set lb (kg)	Qty	Item No.
MIC-C90-U¹	MI-90	5.0 (2.2)	2	304826

¹ Always to be used at both ends of a girder.



Technical Data

MIC-C90-U crossbeam connector



Allowable loads

± Fx (lb)	± Fy (lb)	± Fz (lb)	± Mx (ft-lb)	± My (ft-lb)	± Mz (ft-lb)
1680	1820	1820	590	0	0

3.4 MI Components, Allowable Load Data and Specifications

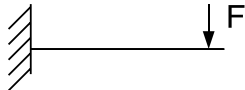
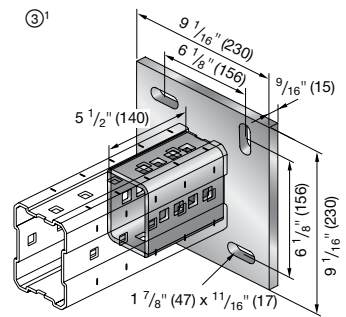
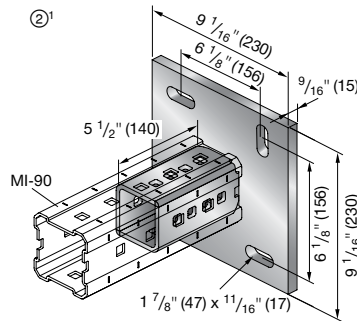
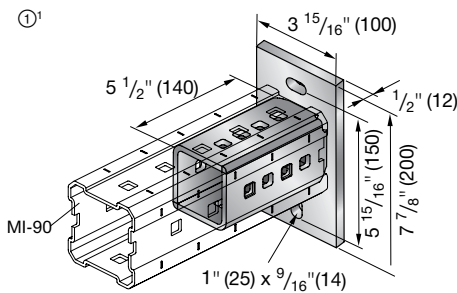
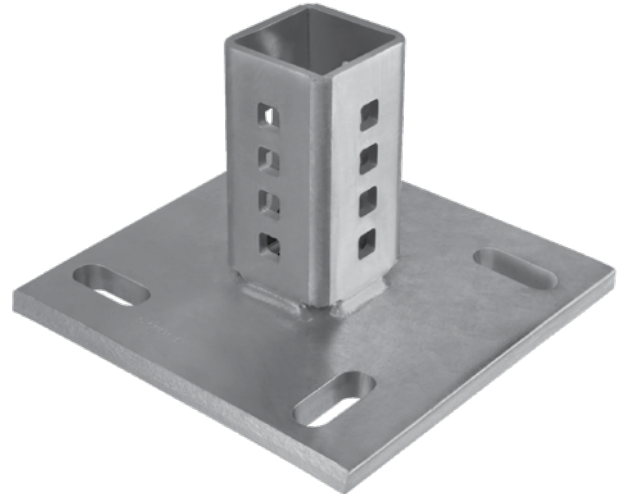
MI concrete connectors: MIC-C90-AA

Material Specifications

Material	S235 JRG2 (DIN 10025), ASTM A1011 (34)
Galvanizing	Hot-dip galvanized 2.2 mils (55 µm) DIN EN ISO 1461, ASTM A153

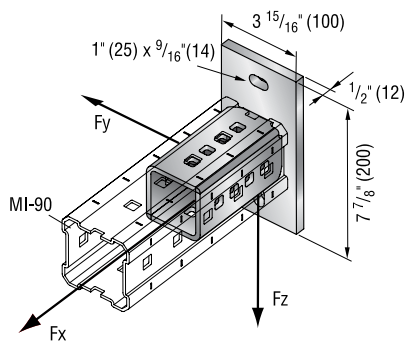
Ordering Information

Description	For Girder Type	Weight Per Set lb (kg)	Qty	Item No.
MIC-C90-AA ¹	MI-90	7.7 (3.5)	2	304825
MIC-C90-D ²	MI-90	16.1 (7.3)	2	304827
MIC-C120-D ³	MI-120	16.9 (7.6)	2	304829



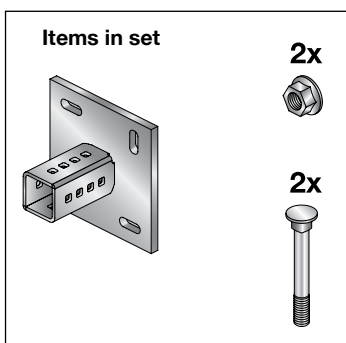
1 ①, ② and ③
Connectors designed to resist moments.

Technical Data MIC-C90-AA connector



Allowable loads

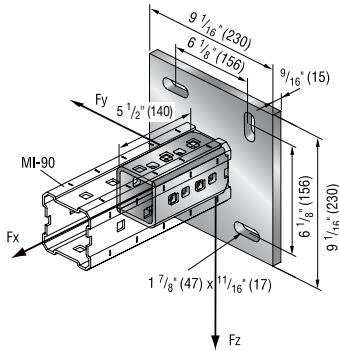
± Fx (lb)	± Fy (lb)	± Fz (lb)	± Mx (ft-lb)	± My (ft-lb)	± Mz (ft-lb)
2260	1820	1820	585	130	130



3.4 MI Components, Allowable Load Data and Specifications

MI concrete connectors: MIC-C90-D / 120-D

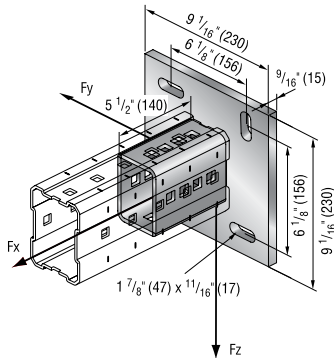
MIC-C90-D



Allowable loads

$\pm F_x$ (lb)	$\pm F_y$ (lb)	$\pm F_z$ (lb)	$\pm M_x$ (ft-lb)	$\pm M_y$ (ft-lb)	$\pm M_z$ (ft-lb)
+6080/-7960	3980	3980	1180	590	590

MIC-C120-D



Allowable loads

$\pm F_x$ (lb)	$\pm F_y$ (lb)	$\pm F_z$ (lb)	$\pm M_x$ (ft-lb)	$\pm M_y$ (ft-lb)	$\pm M_z$ (ft-lb)
+6080/-8660	3980	3980	1180	590	590