

Installation Technical Manual

**Typical Applications** 

Product Line Typical Applications

**MM System** 



#### Terms of common cooperation / legal disclaimers

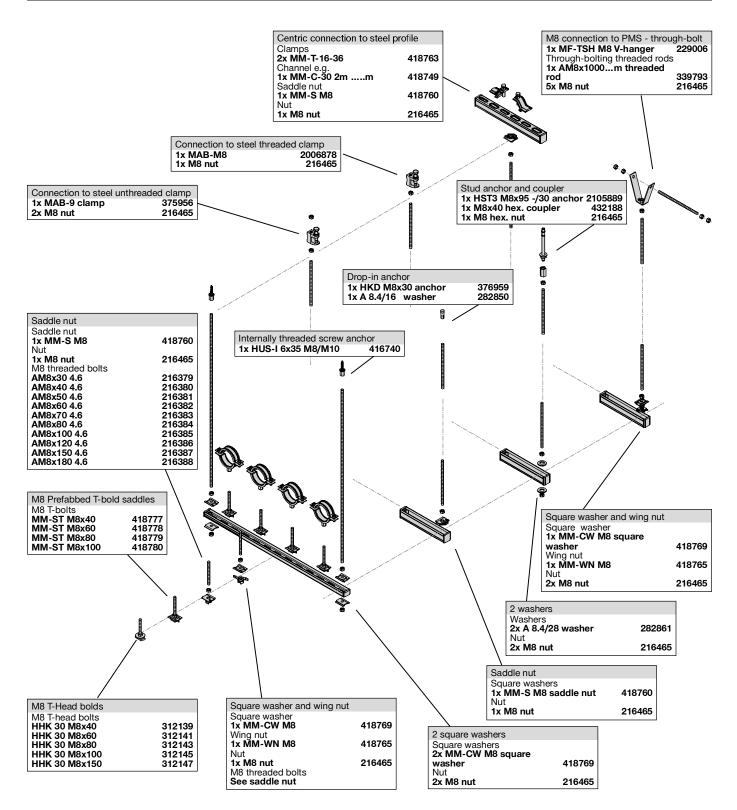
Hilti strives to achieve continuous development and innovation. This manual is thus subject to change without notice. Hilti strongly advises customers to verify the respective product application for the intended use by consulting a structural engineer and making the necessary calculations to ensure compliance with the applicable norms and standards. It is essential that the product is used strictly in accordance with the applicable Hilti instructions for use and within the application limits specified in the Hilti technical data sheets, technical specifications and supporting product literature. Due to the fact that construction materials and environmental conditions vary widely, information given in this manual is solely based on principles and safety factors believed to be correct at the time they were established. The customer is ultimately responsible for checking the present condition of supporting materials and the applicability of the selected product application. Hilti shall not be liable for direct, indirect, incidental or consequential damages, losses or expenses in connection with any information contained in this manual or in connection with, or by reason of, the use of, or inability to use the products for any intended purpose. This limitation of liability does not apply to personal damages culpably caused by Hilti. Implied warranties of merchantability or fitness of the products are herewith expressly excluded.

## **Contents and overview of this manual**

Application		Page
Ceiling	applications	ze on rods 5
A C C C	Application 1 - MM Trapeze on rods	5
	Application 2 - MM Trapeze frame	7
	Application 3 - MM Goal post	9
4	Application 4 - MM Head rail	11
	Application 5 - MM Cantilever arm	13

#### 

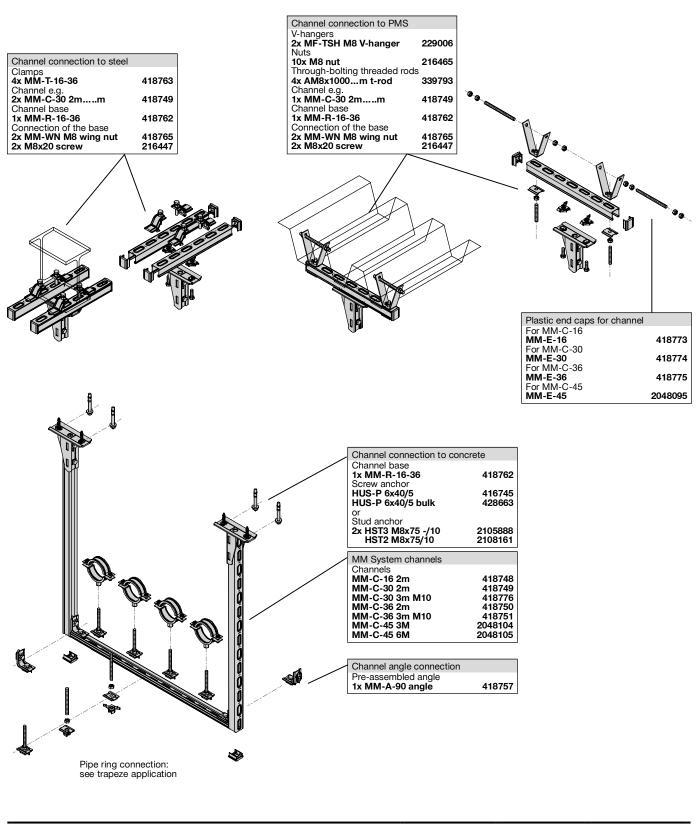
**Trapeze On Concrete, Steel, PMS - Options MM System** 



Application description	Application	Product lines	Base material
Trapeze	1	MM system	Concrete
General comments		V-hangers	Steel
Application not subject to any forces as used as a spacer for offset solutions	Yes	Pipe rings	PMS

Hilti strongly advises customers to verify the respective product application for the intended use by consulting a structural engineer and making the necessary calculations to ensure compliance with the applicable norms and standards. Failure to consult and hed the advice of a structural engineer will free Hilti from any liability. It is essential that the product is used strictly in accordance with the application limits are not exceeded at any time. All rights reserved by Hilti Corporation. Duplication, utilization and/or publication of drawings contained in this manual are not permitted unless expressly agreed by Hilti Corporation.

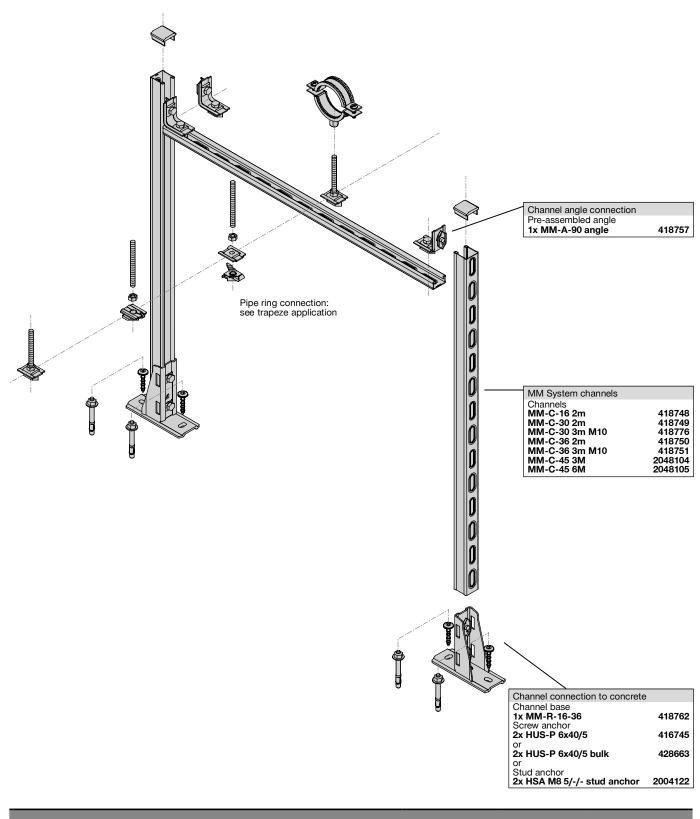
#### Trapeze Frame On Concrete, Steel, PMS - Options MM System



Application description	Application	Product lines	Base material
Trapeze frame	2	MM system	Concrete
General comments		Pipe rings	Steel
<ul> <li>Application subject to vertical loads caused by weight of the pipes</li> <li>Application not subject to any thermal expansion or any other 3D loads</li> </ul>	No so		PMS

Hilti strongly advises customers to verify the respective product application for the intended use by consulting a structural engineer and making the necessary calculations to ensure compliance with the applicable norms and standards. Failure to consult and hed the advice of a structural engineer will free Hilti from any liability. It is essential that the product is used strictly in accordance with the application limits are not exclused at any time. All rights reserved by Hilti Corporation. Duplication, utilization and/or publication of drawings contained in this manual are not permitted unless expressly agreed by Hilti Corporation.

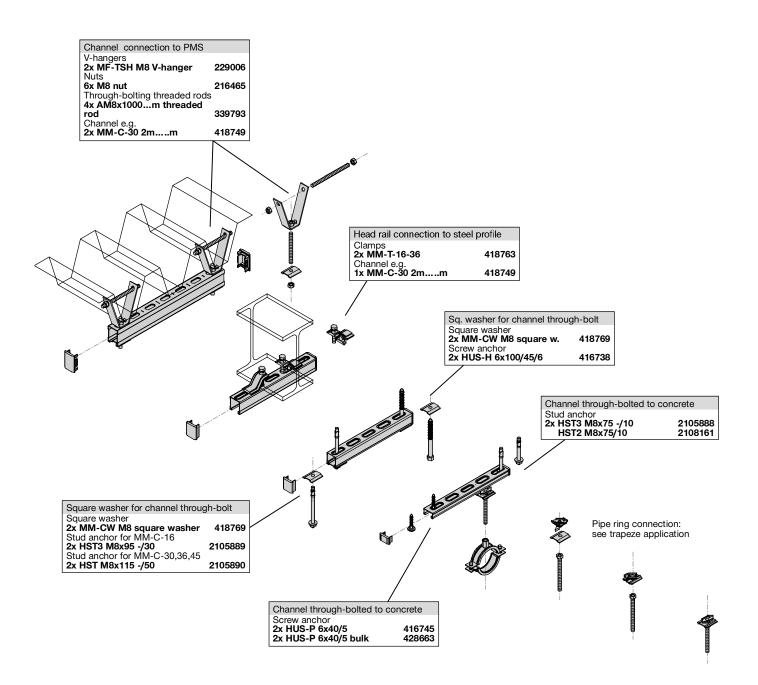
#### **Goal Post Frame On Concrete - Options MM System**



Goal post			
	1 P 9 3	MM system	Concrete
General comments		Pipe rings	
<ul> <li>Application subject to vertical loads caused by weight of the pipes</li> <li>Application not subject to any thermal expansion or any other 3D loads</li> </ul>	4		

Hilti strongly advises customers to verify the respective product application for the intended use by consulting a structural engineer and making the necessary calculations to ensure compliance with the applicable norms and standards. Failure to consult and heed the advice of a structural engineer will free Hilti from any liability. It is essential that the product is used strictly in accordance with the applicable hilti aspectives within the application limits are not exceeded at any time. All rights reserved by Hilti Corporation. Duplication, utilization and/or publication of drawings contained in this manual are not permitted unless expressly agreed by Hilti Corporation.

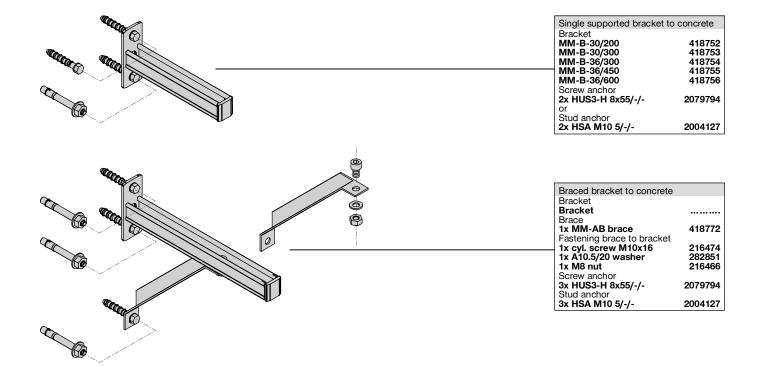
#### Head Rail On Concrete, Steel, PMS - Options MM System



Application description	Application	Product lines	Base material
Head rail	4	MM system	Concrete
General comments		V-hangers	Steel
<ul> <li>Application subject to vertical loads caused by weight of the pipes</li> <li>Application not subject to any thermal expansion or any other 3D loads</li> </ul>	a d ja	Pipe rings	PMS

Hilti strongly advises customers to verify the respective product application for the intended use by consulting a structural engineer and making the necessary calculations to ensure compliance with the applicable norms and standards. Failure to consult and head the advice of a structural engineer will free Hilti from any liability. It is essential that the product is used strictly in accordance with the applicable hiltiin instructions for use, within the application limits are not exceeded at any time. All rights reserved by Hilti Corporation. Duplication, utilization and/or publication of drawings contained in this manual are not permitted unless expressly agreed by Hilti Corporation.

## **Cantilever Arm On Concrete - Options MM System**



Application description	Application	Product lines	Base material
Cantilever arm	<b>\$</b>	MM system	Concrete
General comments	JA D		
<ul> <li>Application subject to vertical loads caused by weight of the pipes</li> <li>Application not subject to any thermal expansion or any other 3D loads</li> </ul>			

Hilti strongly advises customers to verify the respective product application for the intended use by consulting a structural engineer and making the necessary calculations to ensure compliance with the applicable norms and standards. Failure to consult and hed the advice of a structural engineer will free Hilti from any liability. It is essential that the product is used strictly in accordance with the applicable hiltii instructions for use, within the application limits are not exceeded at any time. All rights reserved by Hilti Corporation. Duplication, utilization and/or publication of drawings contained in this manual are not permitted unless expressly agreed by Hilti Corporation.

Hilti strongly advises customers to verify the respective product application for the intended use by consulting a structural engineer and making the necessary calculations to ensure compliance with the applicable norms and standards. Failure to consult and heed the advice of a structural engineer will free Hilti from any liability. It is essential that the product is used strictly in accordance with the applicable Hilti instructions for use, within the application limits specified in the Hilti technical data sheets, technical specifications and supporting product literature, and that the relevant application limits are not exceeded at any time. All rights reserved by Hilti Corporation. Duplication, utilization and/or publication of drawings contained in this manual are not permitted unless expressly agreed by Hilti Corporation.

# Hilti. Outperform. Outlast.