



**Installation Technical
Manual**

Typical Applications

**Product Line Typical
Applications**

MM System



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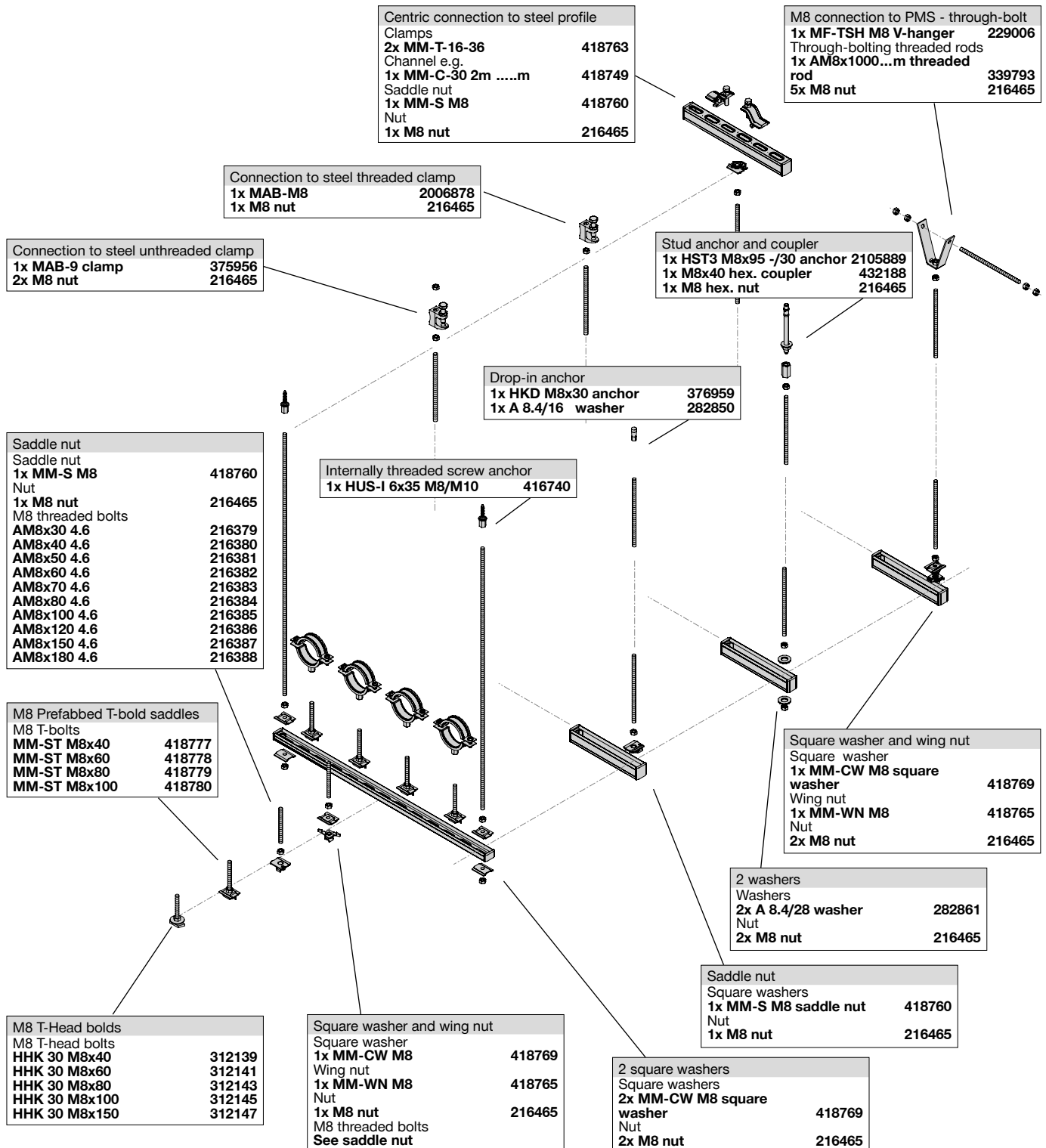
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Contents and overview of this manual

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

Trapeze On Concrete, Steel, PMS - Options MM System



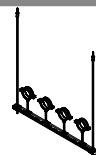
Application description

Trapeze

General comments

- Application not subject to any forces as used as a spacer for offset solutions

Application



Product lines

MM system

V-hangers

Pipe rings

Base material

Concrete

Steel

PMS

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

Channel connection to steel	
Clamps	
4x MM-T-16-36	418763
Channel e.g.	
2x MM-C-30 2m.....m	418749
Channel base	
1x MM-R-16-36	418762
Connection of the base	
2x MM-WN M8 wing nut	418765
2x M8x20 screw	216447

Channel connection to PMS	
V-hangers	
2x MF-TSH M8 V-hanger	229006
Nuts	
10x M8 nut	216465
Through-bolting threaded rods	
4x AM8x1000...m t-rod	339793
Channel e.g.	
1x MM-C-30 2m.....m	418749
Channel base	
1x MM-R-16-36	418762
Connection of the base	
2x MM-WN M8 wing nut	418765
2x M8x20 screw	216447

Plastic end caps for channel	
For MM-C-16	
MM-E-16	418773
For MM-C-30	
MM-E-30	418774
For MM-C-36	
MM-E-36	418775
For MM-C-45	
MM-E-45	2048095

Channel connection to concrete	
Channel base	
1x MM-R-16-36	418762
Screw anchor	
HUS-P 6x40/5	416745
HUS-P 6x40/5 bulk	428663
or	
Stud anchor	
2x HST3 M8x75 -/10	2105888
HST2 M8x75/10	2108161

MM System channels	
Channels	
MM-C-16 2m	418748
MM-C-30 2m	418749
MM-C-30 3m M10	418776
MM-C-36 2m	418750
MM-C-36 3m M10	418751
MM-C-45 3M	2048104
MM-C-45 6M	2048105

Channel angle connection	
Pre-assembled angle	
1x MM-A-90 angle	418757

Pipe ring connection:
see trapeze application

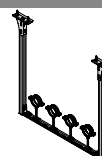
Application description

Trapeze frame

General comments

- Application subject to vertical loads caused by weight of the pipes
- Application not subject to any thermal expansion or any other 3D loads

Application



2

Product lines

MM system

Pipe rings

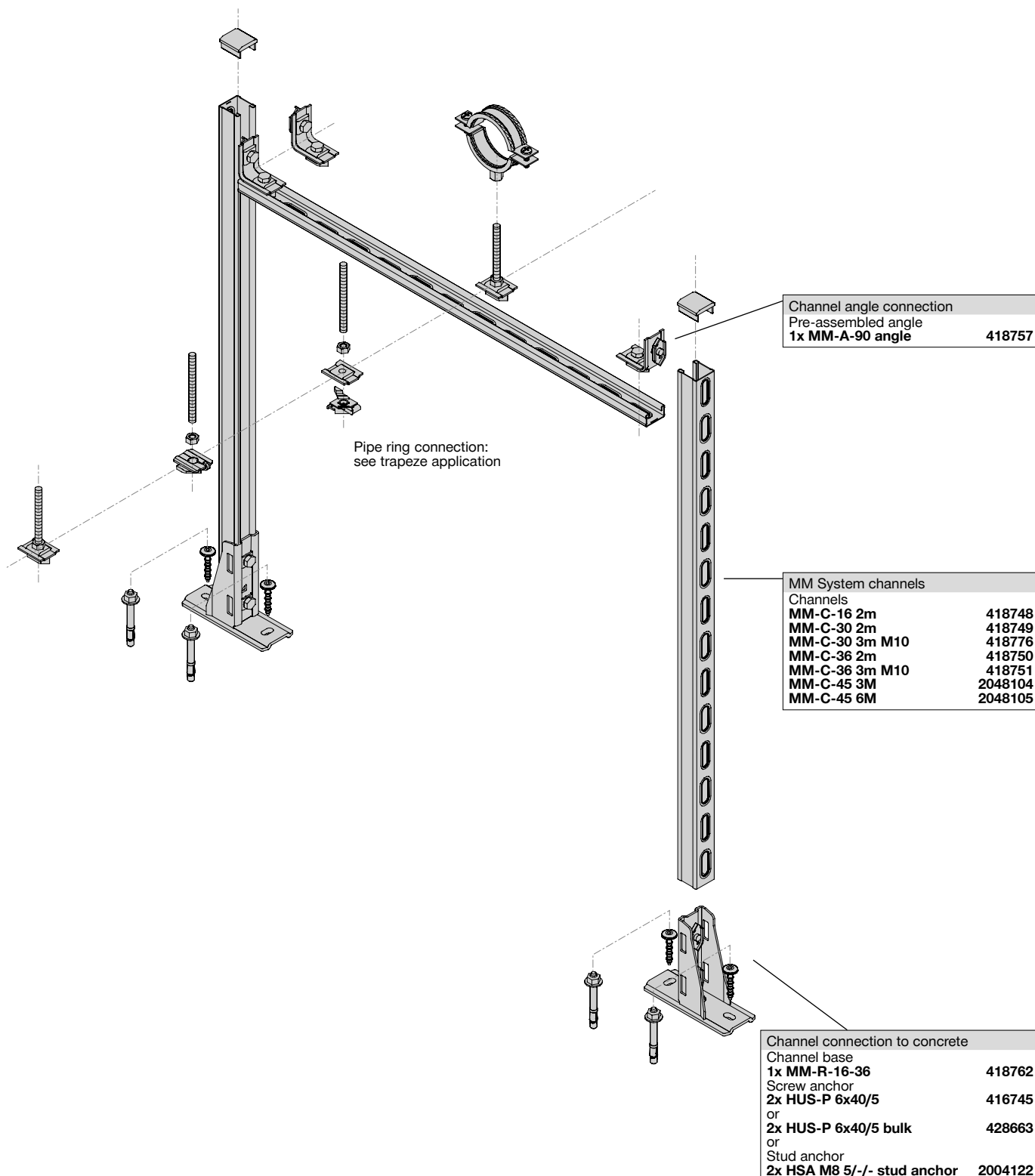
Base material

Concrete

Steel

PMS

Goal Post Frame On Concrete - Options MM System



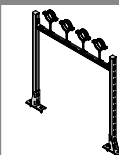
Application description

Goal post

General comments

- Application subject to vertical loads caused by weight of the pipes
- Application not subject to any thermal expansion or any other 3D loads

Application



3

Product lines

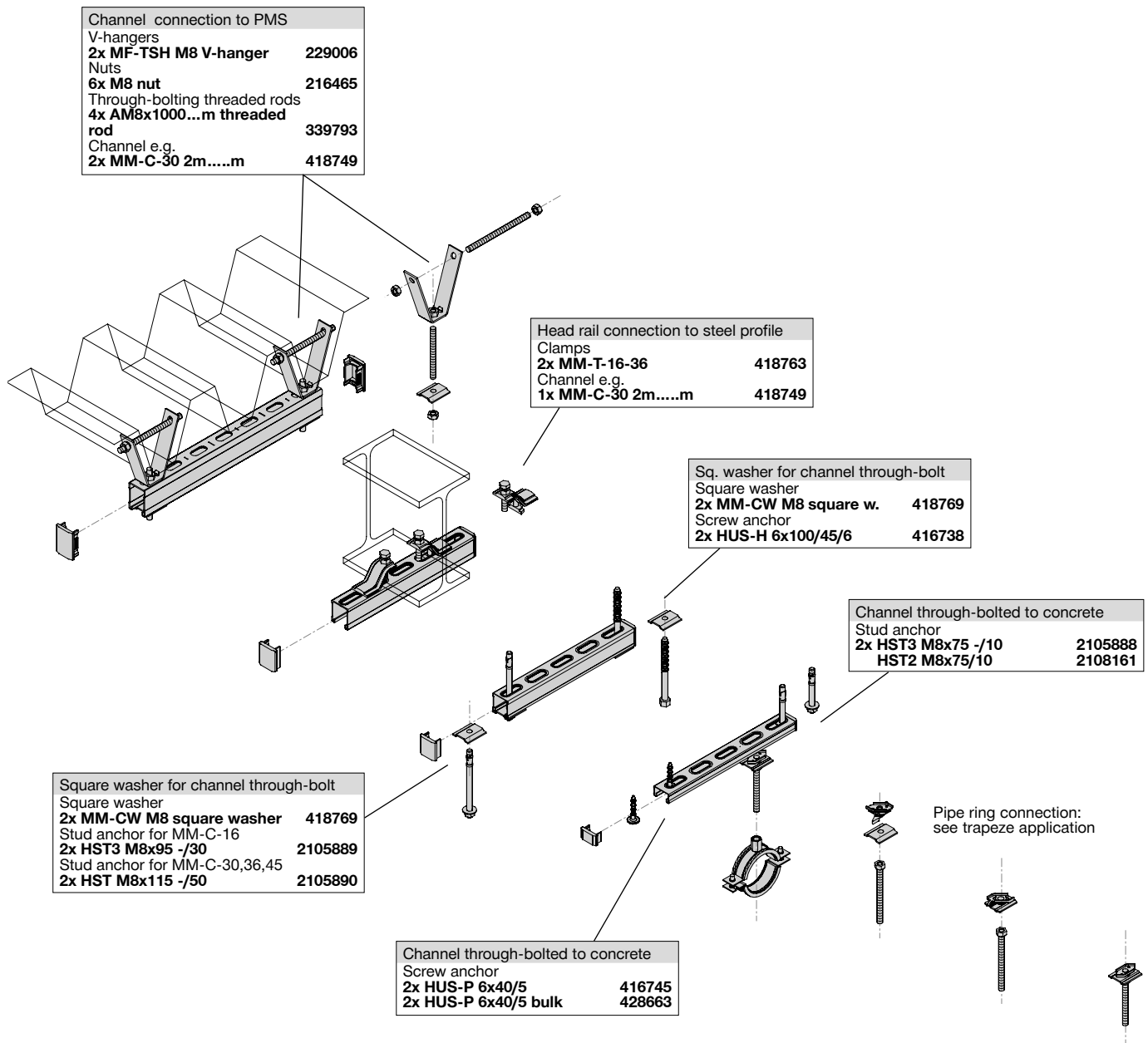
MM system

Pipe rings

Base material

Concrete

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



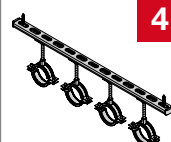
Application description

Head rail

General comments

- Application subject to vertical loads caused by weight of the pipes
- Application not subject to any thermal expansion or any other 3D loads

Application



4

Product lines

MM system

V-hangers

Pipe rings

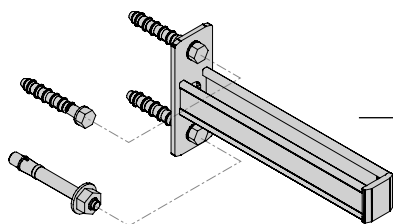
Base material

Concrete

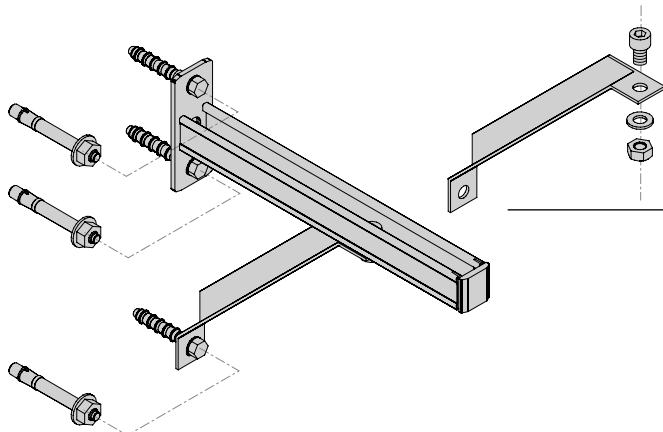
Steel

PMS

Cantilever Arm On Concrete - Options MM System



Single supported bracket to concrete	
Bracket	
MM-B-30/200	418752
MM-B-30/300	418753
MM-B-36/300	418754
MM-B-36/450	418755
MM-B-36/600	418756
Screw anchor	
2x HUS3-H 8x55/-/-	2079794
or	
Stud anchor	
2x HSA M10 5/-/-	2004127



Braced bracket to concrete	
Bracket	
Bracket	
Brace	
1x MM-AB brace	418772
Fastening brace to bracket	
1x cyl. screw M10x16	216474
1x A10.5/20 washer	282851
1x M8 nut	216466
Screw anchor	
3x HUS3-H 8x55/-/-	2079794
Stud anchor	
3x HSA M10 5/-/-	2004127

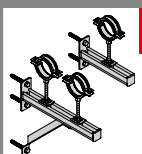
Application description

Cantilever arm

General comments

- Application subject to vertical loads caused by weight of the pipes
- Application not subject to any thermal expansion or any other 3D loads

Application



5

Product lines

MM system

Base material

Concrete

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