



X-TH PIPE CLAMP MOUNT

Data Sheet




11.2023

CONTENTS

1	Product info	3
1.1	Product description	3
2	Fastening system	3
2.1	Fastening system recommendation	3
3	Application conditions	4
3.1	Base materials	4
3.2	Load conditions	4
3.3	Environmental conditions	4
4	Product data	5
4.1	Dimensions	5
4.2	Material properties for carbon steel parts	5
5	Application requirements	5
5.1	Fastener positioning in base material	5
6	Performance data	6
6.1	Recommended loads	6
7	Quality assurance	6
7.1	Setting depth control	6
8	Ordering information	7
8.1	Item number and description	7

1 PRODUCT INFO

1.1 Product description

Designation	Features
<p>X-TH</p> 	<ul style="list-style-type: none"> • Quick handling – friction-fit in the nose of BX nailers for easier and faster installations. • Time-saving solution – pre-mounted threaded stud, delivered ready to install using battery-actuated tools. • Easier and reliable installations – designed for high stick rate and reduced concrete spalling. • Combustion-free installation with BX tools – no gas cans or powder cartridges to store and dispose of.

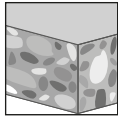
2 FASTENING SYSTEM

2.1 Fastening system recommendation

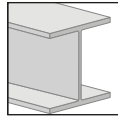
Base material	Element	Fastener	Fastening method
Concrete, Lime stone masonry	X-TH	X-P 20 B3 MX, X-P 20 B4 MX, X-C 20 B4 MX, X-P 20 G3 MX, X-C 20 G3 MX, X-GHP 20 MX, X-GN 20 MX	Recommended
		X-P 17 B3 MX, X-P 24 B3 MX, X-P 17 B4 MX, X-P 24 B4 MX, X-C 20 B3 MX, X-C 24 B3 MX, X-P 17 G3 MX, X-P 24 G3 MX, X-GHP 18 MX, X-GHP 24 MX, X-P 22 MX	Suitable
Steel	X-TH	X-S 14 B3 MX, X-S 14 B4 MX, X-S 14 G3 MX	Recommended

3 APPLICATION CONDITIONS

3.1 Base materials



Concrete



Steel

3.2 Load conditions



Static/quasi-static

3.3 Environmental conditions



Dry indoor

 • For more details, please refer to following technical document/documents: [Hilti Corrosion Handbook](#).

4 PRODUCT DATA

4.1 Dimensions

Technical drawing	Designation	Element length l [mm]	Element width w [mm]	Element height h [mm]	Stud diameter d	Stud length l _s [mm]
	X-M6 TH	44	33.3	4.2	M6	6.5
	X-M8 TH	44	33.3	4.2	M8	10
	X-W6 TH	44	33.3	4.2	W6	6.5

4.2 Material properties for carbon steel parts

Designation	Element	Material	Coating	Coating thickness t _c [μm]
X-M6 TH, X-M8 TH, X-W6 TH	Pipe clamp mount	DC 01	Zinc coated	≥ 5

5 APPLICATION REQUIREMENTS

5.1 Fastener positioning in base material

- Fastener positioning in base material is provided in the corresponding Product Data Sheets for fasteners.

6 PERFORMANCE DATA

6.1 Recommended loads

Element	Fastener	Tension load N_{rec} [kN]	Shear load V_{rec} [kN]
X-M6 TH, X-M8 TH, X-W6 TH	X-P 17 B3 MX, X-P 20 B3 MX, X-P 24 B3 MX, X-P 17 B4 MX, X-P 20 B4 MX, X-P 24 B4 MX, X-C 20 B3 MX, X-C 24 B3 MX, X-C 20 B4 MX, X-P 17 G3 MX, X-P 20 G3 MX, X-P 24 G3 MX, X-C 20 G3 MX, X-GHP 18 MX, X-GHP 20 MX, X-GHP 24 MX, X-GN 20 MX, X-P 22 MX	0.05	0.05
	X-S 14 B3 MX, X-S 14 B4 MX, X-S 14 G3 MX	0.10	0.10

- Redundancy of fastening points is required.
- Minimum number of fastening points for safety relevant fastenings: ≥ 5 .

7 QUALITY ASSURANCE

7.1 Setting depth control

Technical drawing	Designation	Fastener	Fastener stand-off h_{NHS} [mm]
	X-M6 TH, X-M8 TH, X-W6 TH	X-P 17 B3 MX, X-P 20 B3 MX, X-P 24 B3 MX, X-P 17 B4 MX, X-P 20 B4 MX, X-P 24 B4 MX, X-C 17 B3 MX, X-C 20 B3 MX, X-C 24 B3 MX, X-C 20 B4 MX, X-P 17 G3 MX, X-P 20 G3 MX, X-P 24 G3 MX, X-C 20 G3 MX, X-GHP 18 MX, X-GHP 20 MX, X-GHP 24 MX, X-GN 20 MX, X-P 22 MX, X-S 14 B3 MX, X-S 14 B4 MX, X-S 14 G3 MX	4-11

- Visible setting failures must be replaced with a new fastener, not in the same hole.
- These are abbreviated instructions which may vary by application.
- Always review/follow the instructions accompanying the product.

8 ORDERING INFORMATION

8.1 Item number and description

Designation	Item number	Description
X-M6 TH	2402522	Pipe clamp mount
X-M8 TH	2402523	
X-W6 TH	2402524	
X-P 17 B3 MX	2156216, 2156219	Concrete nails (collated)
X-P 20 B3 MX	2156217, 2156390	
X-P 24 B3 MX	2156218, 2156391	
X-P 17 B4 MX	2361537, 2361651, 2361655, 2412761, 2412762, 2412763	
X-P 20 B4 MX	2361538, 2361652, 2361656, 2412764, 2412765, 2412766	
X-P 24 B4 MX	2361539, 2361653, 2361657, 2412767, 2412768, 2412769	
X-C 20 B3 MX	2123993	
X-C 24 B3 MX	2123994	
X-C 20 B4 MX	2361658, 2361663, 2412651, 2412652	
X-P 17 G3 MX	2101046, 2101049	
X-P 20 G3 MX	2101047, 2101050, 2111281	
X-P 24 G3 MX	2101048, 2101051	
X-C 20 G3 MX	2100955, 2100959, 2101042, 2122630	
X-GHP 24 MX	2245697, 2245699	
X-GN 20 MX	2064000, 2064004, 2071406, 340232, 3446714, 3446972	
X-GHP 20 MX	3446718, 3446976, 2024941, 2063787, 2064012, 2063787, 2064012, 285724	
X-GHP 18 MX	2064011, 340228	
X-P 22 MX	2150380, 2150366	
X-S 14 B3 MX	2156392	Steel nails (collated)
X-S 14 B4 MX	2361536, 2361650, 2361654, 2412772, 2412773, 2412774	
X-S 14 G3 MX	2101547, 2101548, 2110989	



Hilti Aktiengesellschaft
9494 Schaan, Liechtenstein
P +423-234 2965

www.facebook.com/hiltigroup
www.hilti.group