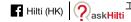


Hilti X-BT Stainless Steel Threaded Studs **Submission Folder**

Product Information	
Accessories	2
Technical Information	4
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Country of Origin	19
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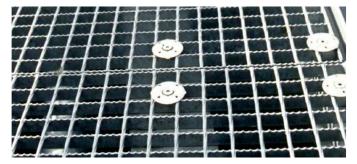


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Fastening grating / checker plate





APPLICATIONS

- Fastening gratings and industrial flooring on metal profiles (thickness at least 6 mm)
- Suitable for industrial buildings and power plants, shipbuilding, food-processing industry, chemicals and oil industry, steel and metal construction trades, public buildings

ADVANTAGES

- Quick and easy to install: Up to 120 fastenings per hour
- Trouble-free, one-man operation
- Versatile and mobile: No external power source required
- Secure: Verified holding power, highly ductile nails
- Also available in stainless steel

Grating disc X-FCM-M



Ordering designation	Base materials	Diameter	Environmental conditions	Fastener shank length	Grating height	Sales pack quantity	Item number
X-FCM-M 25/30	Steel	50 mm	Indoors, dry and non-corrosive environment	23 mm	25 - 30 mm	100 pc	21173571)
X-FCM-M 35/40	Steel	50 mm	Indoors, dry and non-corrosive environment	33 mm	35 - 40 mm	100 pc	21173591)
X-FCM-M 45/50	Steel	50 mm	Indoors, dry and non-corrosive environment	43 mm	45 - 50 mm	100 pc	2117390¹)

¹⁾ For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Grating disc (stainless steel) X-FCM-R

APPLICATIONS

 Fastening gratings in corrosive environments such as marine, offshore, petrochemical, power plants etc.

ADVANTAGES

Stainless steel dics





Ordering designation	Base materials	Diameter	Environmental conditions	Grating height	Sales pack quantity	Item number
X-FCM-R 25/30	Steel	50 mm	Marine, offshore, petrochemical, power plants, etc.	25 - 30 mm	100 pc	247181¹)
X-FCM-R 35/40	Steel	50 mm	Marine, offshore, petrochemical, power plants, etc.	35 - 40 mm	100 pc	247182¹)
X-FCM-R 45/50	Steel	50 mm	Marine, offshore, petrochemical, power plants, etc.	45 - 50 mm	100 pc	2471831)

¹⁾ For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Checker plate fastener HDG X-FCP-F

APPLICATIONS

 Fastening checker plate in mildly corrosive environments (not for off-shore use!)

ADVANTAGES

Duplex coated dics





Ordering designation	Base materials	Diameter	Environmental conditions	Grating height	Sales pack quantity	Item number
X-FCP-F 5/10	Steel	45 mm	Indoors or mildly corrosive environment	5 - 13 mm	200 pc	3088591)

¹⁾ For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Checker plate fastener (stainless steel) X-FCP-R

APPLICATIONS

 Fastening gratings in corrosive environments such as marine, offshore, petrochemical, power plants etc.



Stainless steel dics for high corrosion resistance





Ordering designation	Base materials	Diameter	Environmental conditions	Grating height	Sales pack quantity	Item number
X-FCP-R 5/10	Steel	45 mm	Marine, offshore, petrochemical, power plants, etc.	5 - 13 mm	200 pc	3088601)

¹⁾ For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Sealing ring X-FCP





Ordering designation		Sales pack quantity	Item number
X-FCP	39 mm	200 pc	308856 ¹⁾

¹⁾ For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products



3. TECHNICAL DATA

3.1 Product data

3.1.1 X-BT-GR and X-BT-MR material specification

① Shank and thread: S31803 (1.4462)

at least equivalent to A4 / AISI grade 316 material

② SN washers: S31635 (X2CrNiMo 17-12-2, 1.4404)

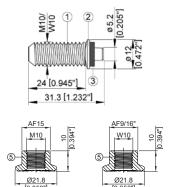
③ Sealing washers: Elastomer, black, resistant to UV, salt water, water,

ozone, oils, etc.

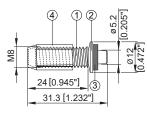
4 Guiding sleeve: plastic

(5) Flange nuts: A4 / AISI grade 316 material Designation according to Unified Numbering System (UNS)

X-BT-MR M10/15 SN 8 X-BT-MR W10/15 SN 8

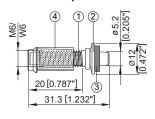


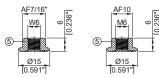
X-BT-MR M8/14 SN 8



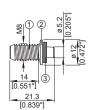


X-BT-MR M6/10 SN 8 X-BT-MR W6/10 SN 8





X-BT-GR M8/7 SN 8



3.1.2 X-BT-ER material specifications

① Shank and thread: S31803 (1.4462)

at least equivalent to A4 / AISI grade 316 material

② SN washers: S31635 (X2CrNiMo 17-12-2, 1.4404)

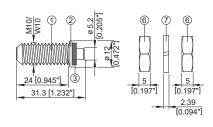
3 Sealing washer: Elastomer, black, resistant to UV, salt water, water,

ozone, oils, etc.

4 Guiding sleeve: plastic

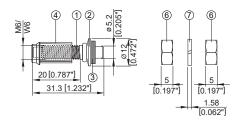
S Nuts: A4 / AISI grade 316 material
 Lock washers: A4 / AISI grade 316 material

X-BT-ER M10/7 SN 8 X-BT-ER W10/7 SN 8



X-BT-ER M8/7 SN 8

X-BT-ER M6/3 SN 8 X-BT-ER W6/3 SN 8



3.1.3 Fastening tool

DX 351-BT / BTG, BX 3-BT / BTG, see fastener selection in section 3.3.5.

3.1.4 Approvals

ABS, DNV, GL, LR, ICC ESR-2347, UL













The previous X-BT threaded fastener generation as described in the Hilti X-BT Threaded Fastener Specification – July 2015 holds for many years several Type Approvals which are valid for the ship-building and off-shore industry.

These bodies are:

- ABS American Bureau of Shipping
- DNVGL Det Norske Veritas Germanischer Lloyd
- LR Lloyds Register
- BV Bureau Veritas
- Russian Maritime Register

The ICC-ES approval ESR-2347 covers application of the X-BT in building construction. ESR-2347 allows for the use of X-BT in compliance with the 2015 International Building Code (2015 IBC).

The UL-listing (File E257069) addresses the use of X-BT-ER as grounding and bonding equipment.

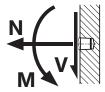
The New Generation X-BT-GR and X-BT-MR fasteners also hold the following separate Type Approvals:

- ABS 18-HS1755518
- DNV-GL TAS00001SV
- BV 54554
- LR 19/0003

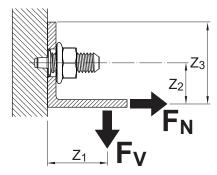
Furthermore, the New Generation X-BT-GR and X-BT-MR fasteners were added into ICC-ES ESR-2347 and the new X-BT-ER were also added into UL-file E257067.

Approvals can also be downloaded from Hilti website or from the websites of most Certification Bodies.





Example:



Provisions for group fastenings

For group fastenings with up to 4 fasteners per group and shear force introduction via the sealing washer (section 5.2.3), the resistance of all fastener can be added up, provided the hole in the fastened material is equal or less than 14 mm (e.g. V_{rec,group} = 17.2 kN for a group with 4 fasteners fixed to S235 base material).

3.2 Load data

3.2.1 Loads - Construction steel

Recommended loads - steel base material

Steel grades:		S235, S275, A36	S355 to S960 ≥ Grade 50
Tension,	N _{rec} [kN/lb]	3.6 / 810	4.6 / 1030
Shear,	V _{rec} [kN/lb]	4.3 / 970	5.3 / 1190
Moment,	M _{rec} [Nm/ft-lb]	20.0 / 14.8	20.0 / 14.8
Torque,	T _{rec} [Nm/ft-lb]	20.0 / 14.8	20.0 / 14.8

Conditions for recommended loads

- · Application of working load design concept (e.g. ASD).
- For unalloyed construction, off-shore and Shipbuilding steel: e.g. European grades according to EN 10025-4 or EN 10225, S690Q and S960Q according to EN 10025-6, US steel grade A36 and Grade 50.
- Minimum base material thickness t_n = 8 mm.
- Applicable for steel base materials up to a coating thickness of 500 μm.
- Edge distance c ≥ 10 mm [3/8"].
- In case of edge distance 6 mm \leq c < 10 mm, N_{rec}, V_{rec} and M_{rec} need to be reduced with the reduction factor $\alpha_c = 0.65$.
- Redundancy (multiple fastening) must be provided.

Remarks

- The recommended loads in the table refer to the resistance of the single fastener and need to be determined by static analysis from the loads F_N and F_V acting on the fastened part. Typical example is the need of consideration of prying forces, see example.
- Moments acting on the shank only need to be considered in case of a gap between the base and the fastened material.
- Global factor of safety for tension and shear load = 2.8 related to the characteristic resistance N_{Rk} and V_{Rk}.
- Global factor of safety for bending moment = 1.75 related to the characteristic plastic moment $M_{\rm R,k}$ of the shank.
- Effects of base metal vibration and stresses are considered.

Characteristic resistance - steel base material

Steel grades		S235, S275, A36	S355 to S960, ≥ Grade 50
Tension,	N _{Rk} [kN/lbs]	10.0 / 2240	13.0 / 2920
Shear,	V _{Rk} [kN/lbs]	12.0 / 2700	15.0 / 3360
Moment,	M _{Rk} [Nm/ft-lb]	35.0 / 25.5	35.0 / 25.5

Design resistance - steel base material

Steel grades		S235, S275, A36	S355 to S960, ≥ Grade 50
Tension,	N _{Rd} [kN/lbs]	5.0 / 1120	6.5 / 1460
Shear,	V _{Rd} [kN/lbs]	6.0 / 1350	7.5 / 1680
Moment,	M _{Rd} [Nm/ft-lb]	28.0 / 20.5	28.0 / 20.5

Supplemental conditions and remarks for design resistances

- Application of partial safety design concept (e.g. Eurocode steel design)
- Design resistances N_{Rd} and V_{Rd} are determined from the characteristic resistance N_{Rk} and V_{Rk} applying a partial safety factor γ_M =2.0
- Design resistance M_{Rd} is determined from the characteristic resistance M_{Rk} applying a partial safety factor $\gamma_M = 1.25$

3.2.2 Loads - cast iron base material*

Recommended loads - cast iron base material*

Tension,	N _{rec} [kN/lb]	1.0 / 230
Shear,	V _{rec} [kN/lb]	1.5 / 340
Moment,	M _{rec} [Nm/ft-lb]	16.0 / 11.5

Design resistance - cast iron*

Tension,	N _{Rd} [kN/lbs]	1.6 / 360	
Shear,	V _{Rd} [kN/lbs]	2.4 / 540	
Moment,	M _{Rd} [Nm/ft-lb]	26.0 / 19.0	

*Requirements of spheroidal graphite cast iron base material

Subject	Requirements
Cast iron	Spheroidal graphite cast iron according to EN 1563
Strength class	EN-GJS-400 to EN-GJS-600 according to EN 1563
Chemical analysis and amount of carbon	3.3 - 4.0 mass percentage
Microstructure	From IV to VI (spherical) according to EN ISO 945-1:2010
	Minimum size 7 according to figure 4 of EN ISO 945-1:2010
Material thickness	t ≥ 20 mm



Recommended interaction formula for combined loading - steel and cast iron base material

Load combination	Interaction provison
Shear - Tension	$\frac{V_{Sd}}{V_{Rd}} + \frac{N_{Sd}}{N_{Rd}} \le 1.2 \qquad with \frac{V_{Sd}}{V_{Rd}} \le 1.0 \text{ and } \frac{N_{Sd}}{N_{Rd}} \le 1.0$
Shear – Bending moment	$\frac{V_{Sd}}{V_{Rd}} + \frac{M_{Sd}}{M_{Rd}} \le 1.2 \qquad with \frac{V_{Sd}}{V_{Rd}} \le 1.0 \ and \ \frac{M_{Sd}}{M_{Rd}} \le 1.0$
Tension – Bending moment	$\left \frac{N_{Sd}}{N_{Rd}} + \frac{M_{Sd}}{M_{Rd}} \right \le 1.0$
Shear - Tension – Bending moment	$\frac{V_{Sd}}{V_{Rd}} + \frac{N_{Sd}}{N_{Rd}} + \frac{M_{Sd}}{M_{Rd}} \le 1.0$

3.3 Application requirements and limits

3.3.1 Thickness of fastened material - X-BT-MR

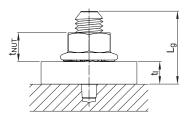
 X-BT-GR M8:
 $2.0 \le t_i \le 7 \text{ mm}$

 X-BT-MR M10/W10:
 $2.0 \le t_i \le 15 \text{ mm}$

 X-BT-MR M8:
 $2.0 \le t_i \le 14 \text{ mm}$

 X-BT-MR M6/W6:
 $2.0 \le t_i \le 10 \text{ mm}^{x_i}$

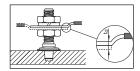
x) If base material sits on the collar of the stud t_{l.min} = 1.0 mm



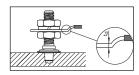
3.3.2 Thickness of cable lug - X-BT-ER

X-BT-ER M8/M10/W10 X-BT-ER M6/W6 /7 SN 8

 $t_{cl} \le 7 \text{ mm } (0.28")$



X-BT-ER M8/M10/W10 X-BT-ER M6/W6 /7 SN 8 X-BT-ER M6/W6 /3 SN 8 $t_{cl} \le 3 \text{ mm } (0.12")$

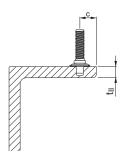


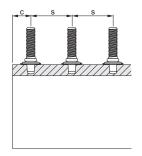
Spacing:

3.3.3 Spacing and edge distances

Edge distance:

c ≥ 10 mm (load reduction factor α_c = 1.00) s ≥ 15 mm 6 mm ≤ c < 10 mm (load reduction factor α_c = 0.65)

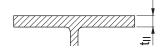




Outer diameter of installed surface (e.g. pipe flange) ≥ 150 mm

3.3.4 Application limit/thickness of base material

 $t_{||} \ge 8$ mm [5/16"] \rightarrow No through-penetration. No limits with regard to steel strength.



3.3.5 Fastener selection and DX 351 fastening system components

Fastener	Item number	Fastening tool	Fastening tool components	Cartridge	Step shank drill bit	
X-BT-GR M8/7 SN 8	2194344	Tool: DX 351 BTG	Fastener guide: X-351-BT FG G (item no: 378675) Piston: X-351-BT P G (item no: 378677)			
X-BT-MR M10/15 SN 8	2194340					
X-BT-MR M8/14 SN 8	2194339	Tool: DX 351 BT	Fastener guide: X-351-BT FG M1024 (item no: 378674)			
X-BT-MR M6/10 SN 8	2252199		Piston:			
X-BT-MR M6/14 SN 8	2194337		Tool:	X-351-BT P 1024 (item no: 378676)		TX-BT 4.7/7-80
X-BT-MR W10/15 SN 8	2194341		Fastener guide:	6.8/11 M brown	(item no: 2197930)	
X-BT-MR W6/10 SN 8	2252470		X-351-BT FG W1024 (item no: 378673)	High Precision (item no: 412689)	TX-BT 4.7/7-110 (item no: 2197931)	
X-BT-MR W6/14 SN 8	2194338		Piston: X-351-BT P 1024 (item no: 378676)	(item no: 412669)	TX-BT 4.7/7-150	
	,	'	1		(item no: 2197629)	
X-BT-ER M10/7 SN 8	2194352					
X-BT-ER M8/7 SN 8	2194351		Fastener guide: X-351-BT FG M1024 (item no: 378674)			
X-BT-ER M6/3 SN 8	2252195	Tool: DX 351 BT	Piston:			
X-BT-ER M6/7 SN 8	2194349		X-351-BT P 1024 (item no: 378676)			
X-BT-ER W10/7 SN 8	2194353		Fastener guide:			
X-BT-ER W6/3 SN 8	2252198		X-351-BT FG W1024 (item no: 378673)			
X-BT-ER W6/7 SN 8	2194350		Piston: X-351-BT P 1024 (item no: 378676)			

Note:

The three step shank drills only differ in their length. Their use depends on the accessibility condition on the jobsite.

6.8/11 M high-precision brown cartridge

The recommended tool energy setting = 1 (if required, increase of energy setting based on job site tests).



3.3.6 Fastener selection and BX 3 fastening system components

Fastener	Item number	Fastening tool	Fastening tool components	Energy	Step shank drill bit
X-BT-GR M8/7 SN 8	2194344	Tool: BX 3-BTG	Fastener guide: X-FG B3-BTG (item no: 2197625)		
X-BT-MR M10/15 SN 8	2194340	Tool: BX 3-BT			
X-BT-MR M8/14 SN 8	2194339		Fastener guide: X-FG B3-BT M (item no: 2197626)		TX-BT 4.7/7-80
X-BT-MR M6/10 SN 8	2252199				(item no: 2197930)
X-BT-MR W10/15 SN 8	2194341		Fastener guide:	Hilti's 22V cordless tool battery platform	TX-BT 4.7/7-110 (item no: 2197931)
X-BT-MR W6/10 SN 8	2252470		X-FG B3-BT W (item no: 2197627)		TX-BT 4.7/7-150
					(item no: 2197629)
X-BT-ER M10/7 SN 8	2194352				
X-BT-ER M8/7 SN 8	2194351	Tool: BX 3-BT	Fastener guide: X-FG B3-BT M (item no: 2197626)		
X-BT-ER M6/3 SN 8	2252195		вт		
X-BT-ER W10/7 SN 8	2194353		Fastener guide:		
X-BT-ER W6/3 SN 8	2252198		X-FG B3-BT W (item no: 2197627)		

Note:

The three step shank drills only differ in their length. Their use depends on the accessibility condition on the jobsite.

The fastener guides of the battery-actuated tool BX 3-BT(G) also allow embedment depth adjustment:

The front part can be turned to the positions 1, 2, 3 or 4 (Higher position leads to deeper embedment). The recommended start position is 3. If required, fine adjustment during job-site execution be applied.

Complementary information for use of BX 3-BT(G) battery-actuated fastening tool in combination with previous generation X-BT threaded fasteners

The battery-actuated fastening tool BX 3-BT(G) is also suitable to drive the following previous generation X-BT threaded fasteners. The drilled holes have to be made with the previous generation step shank drill bits TX-BT 4/7. The corresponding allocation of system components is summarized in the table below:

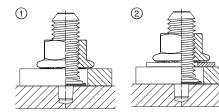
BX 3-BT(G) Fastener Guide	Previous Generation X-BT threaded fasteners	Previous generation step shank drill bits
X-FG B3-BTG (item no: 2197625	X-BT M8-15-6 SN12-R (item no: 377074)	
X-FG B3-BT M (item no: 2197626)	X-BT M10-24-6 SN12-R (item no: 377078) X-BT-ER M10/3 SN 4 (item no: 2103094) X-BT-ER M8/7 SN 4 (item no: 2103095)	TX-BT 4/7-80 (item no: 377079) TX-BT 4/7-110 (item no: 377080) TX-BT 4/7-150 (item no: 377081)
X-FG B3-BT W (item no: 2197627)	X-BT W10-24-6 SN12-R (item no: 377076) X-BT-ER W10/3 SN 4 (item no: 2103093)	

For the listed previous generation X-BT threaded fasteners, the same technical performance data as described in section 3 of the "Hilti X-BT Threaded Fastener Specification, July 2015" applies, when the BX 3-BT(G) is used to drive the above fasteners.

The previous generation X-BT threaded fasteners also hold the following separate Type Approvals:

- ABS 16-HS1545448-PDA
- DNV-GL 12272-10HH
- BV 23498/B0 BV
- LR 03/00070(E4)





3.3.7 Installation details - X-BT-MR

X-BT-MR M8

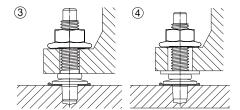
Fastened material:

- Hole diameter: 13 to 14 mm: Use of supplied flange nut ①
- Hole diameter: beyond 14 to 18 mm: Use of supplied flange nut with supplement washer (maximum thickness of fixed component to be reduced with thickness of washer) ②

X-BT-MR M10/W10

Fastened material:

- Hole diameter: 13 to 18 mm: Use of supplied flange nut 1)
- Hole diameter: beyond 18 to 22 mm: Use of supplied flange nut with supplement washer (maximum thickness of fixed component to be reduced with thickness of washer) ②



X-BT-MR M6/W6

Fastened material:

- Hole diameter: 6.5 6.7: Fastener sits on collar of stud, use of supplied flange nut ③
- Hole diameter: 6.7 to 11 mm: Use of supplied flange nut with supplement washer sitting on collar 4
- Hole diameter: > 12 mm, fixed part sits on base material, use of flange nut with supplemental washer to cover hole clearance (maximum thickness of fixed component to be reduced with thickness of washer) ②

Provisions on group fastenings

For group fastenings with up to 4 fasteners per group and shear force introduction via the sealing washer (section 5.2.3), the resistance of all fasteners can be added up, provided the hole in the fastened material is equal or less than 14 mm.

For hole diameters in the fastened material greater than 14 mm, the following conservatively applies:

- For the shear load transfer only one fastener of the group may be considered (e.g. $V_{rec,group} = 4,3$ kN for any fastener group with ≥ 2 fasteners in S235 base material).
- If relevant, deformations have to be checked for serviceability reasons.



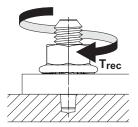
Pre-drill until the bit shoulder grinds a shiny ring (to ensure proper drilling depth).

Before fastener installation

The drilled hole must be clear of liquids and debris. The area around the drilled hole must be free from liquids and debris.

Tightening torque, T_{rec} ≤ 20 Nm [14.8 ft-lb]

Hilti torque tool 1/4" - 20 Nm / [14.8 ft-lb]



Remark: Recommended tightening torque for thin base material thick-

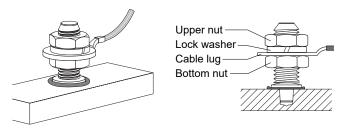
ness $4 \le t_{\parallel} < 8$ mm, see section 5.11.

Hilti screwdriver

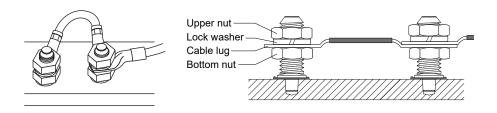
With regards to suitable Hilti screwdrivers and their respective torque settings see the information given in the Hilti Direct Fastening Technology Manual or the information given in the instruction for use which are supplied with the fasteners.

3.3.8 Installation for electrical connections - X-BT-ER

Single point connection for all X-BT-ER M8/M10/W10 /7 SN 8, X-BT-ER M6/W6 /3 SN 8



Double point connection for all X-BT-ER M8/M10/W10 /7 SN 8, X-BT-ER M6/W6 /7 SN 8 $\,$



3.3.9 Fastening quality assurance

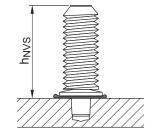
Fastening inspection

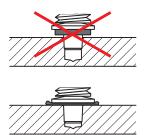
X-BT-GR M8

 $h_{NVS} = 15.7 - 16.8 \text{ mm}$

X-BT-MR M6/W6/M8/M10/W10 X-BT-ER M6/W6/M8/M10/W10

 $h_{NVS} = 25.7 - 26.8 \text{ mm}$







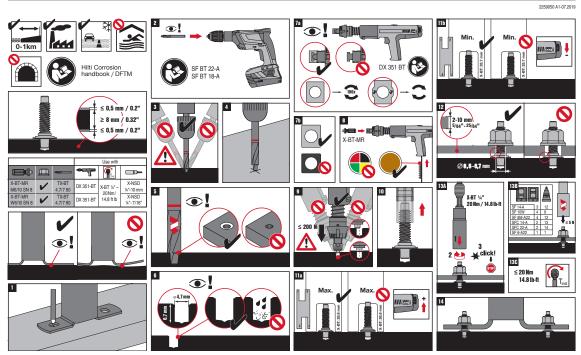
4. METHOD STATEMENT

4.1 Instructions for use - X-BT-MR M6/W6/10 SN 8

Fastening tool: DX 351



X-BT-MR M6/W6

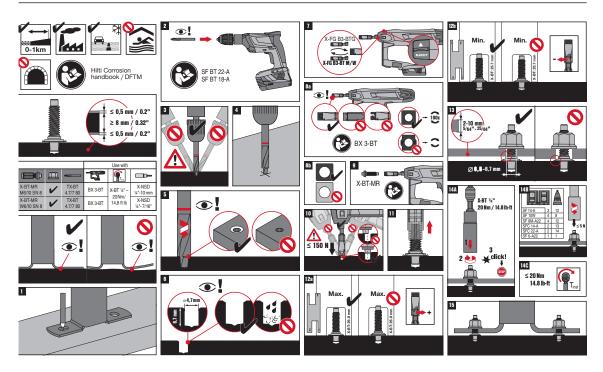


For fasteners X-BT-MR M6/14 SN 8 and X-BT-MR W6/14 SN 8 the same instructions for use apply with the exception of the maximum thickness of the fixed component, for detail it is referred to the instructions supplied with each box of fasteners.

Fastening tool: BX 3



X-BT-MR M6/W6

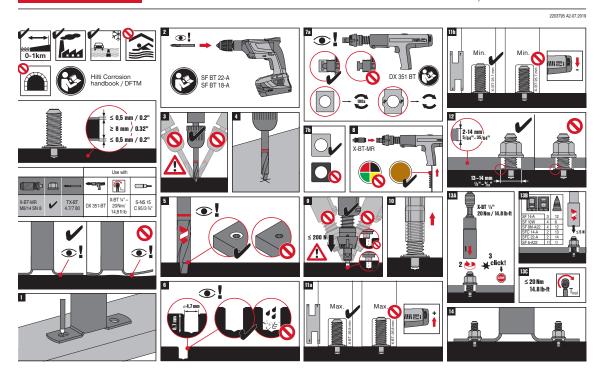


4.2 Instructions for use - X-BT-MR M8/14 SN 8

Fastening tool: DX 351



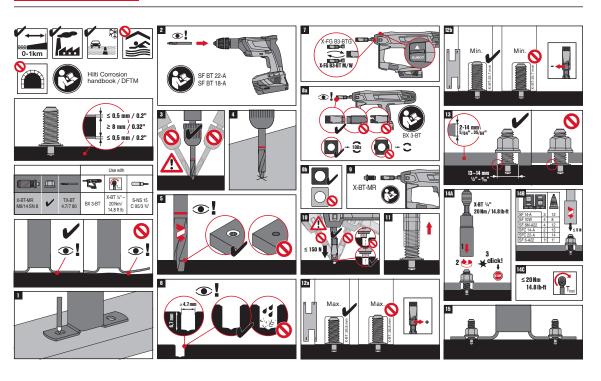
X-BT-MR M8



Fastening tool: BX 3



X-BT-MR M8



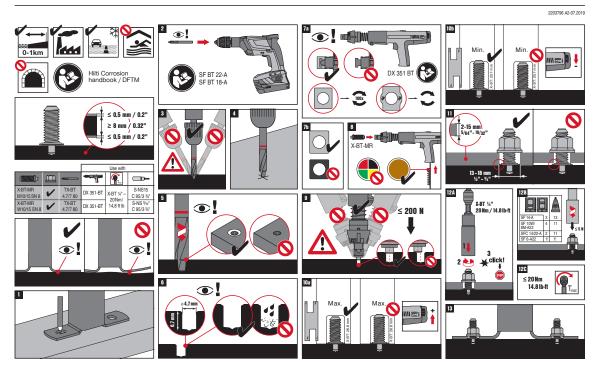


4.3 Instructions for use - X-BT-MR M10/W10/15 SN 8

Fastening tool: DX 351



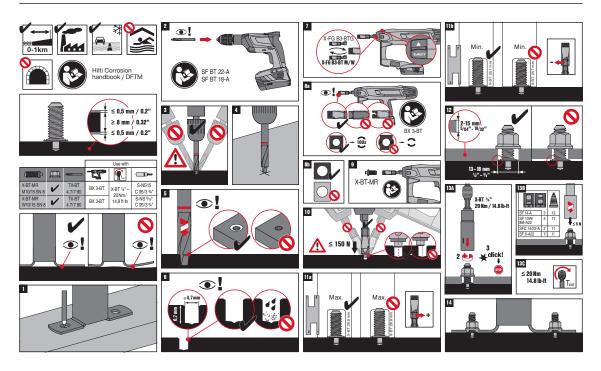
/ X-BT-MR M10/W10



Fastening tool: BX 3

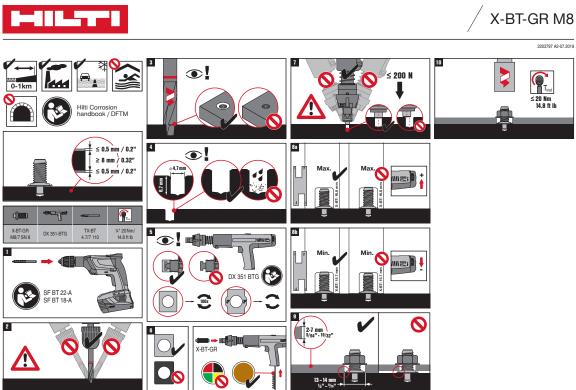


X-BT-MR M10/W10



4.4 Instructions for use - X-BT-GR M8/7 SN 8

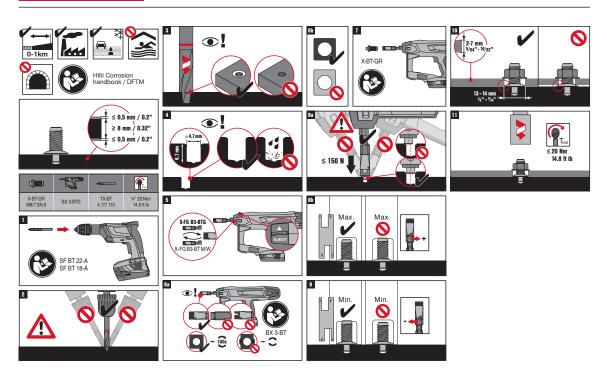




Fastening tool: BX 3



X-BT-GR M8





4.5 Instructions for use - X-BT-ER M8/M10/W10 SN 8

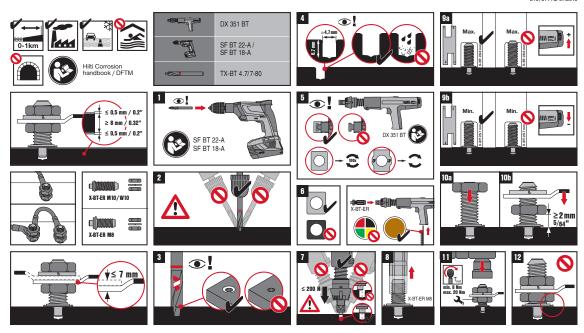
The following graphs show the instructions for use for the items X-BT-ER M8/M10/W10 /7 SN 8. Instructions for use related with X-BT-ER M6/W6 /3 SN 8 are provided in the X-BT packages.

Fastening tool: DX 351



/ X-BT-ER M8, M10/W10 SN 8

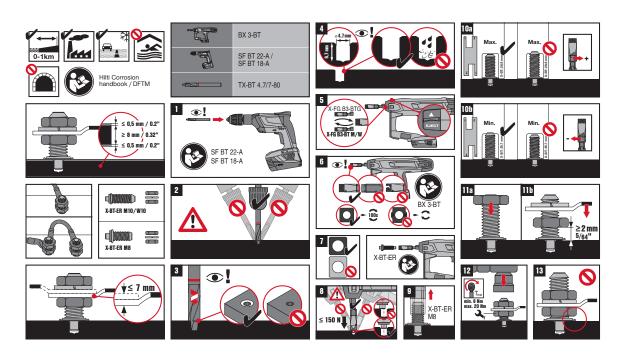
2197511 A2-07.2019



Fastening tool: BX 3



X-BT-ER M8, M10/W10 SN 8





Attn. : To whom it may concern

Date : 26 September 2023 Ref. : 134/AM/DY/23

Subject : Country of Origin- Hilti X-BT Stainless Steel Threaded Studs

Dear Sir / Madam,

Enclosed please find the information of Hilti X-BT Stainless Steel Threaded Studs.

Brand Name : Hilti

Model Name : Hilti X-BT Stainless Steel Threaded Studs

Manufacturer : Hilti Corporation

Address of Manufacturer: FL-9494, Principality of Liechtenstein.

Manufacturer Contact Person : Dennis Yeung

Supplier : Hilti (Hong Kong) Ltd

Address of Supplier : 701-704, 7/F, Tower A, Manulife Financial Centre,

223 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Supplier Contact Person : Dennis Yeung (+852 9723 4621)

Country of Origin : Liechtenstein

Should you have further questions, please do not hesitate to contact our Technical Representatives, Customer Service Hotline at 8228-8118, or email us at hksales@hilti.com.

Yours faithfully,

Dennis Yeung

Head of Product Leadership Strategy, F&P

701-704 | Tower A | Manulife Financial Centre 223 Wai Yip Street | Kwun Tong Kowloon | Hong Kong P +852-8228 8118 | F +852-2954 1751

www.hilti.com.hk



Hilti X-BT Stainless Steel Threaded Studs Job Reference

Year	Project Name	Customer Name	Project type
2022	2 MURRAY RD	SUEN TAT METAL MACHINE FACTORY LTD	Office
2022	KAI TAK SPORTS PARK	WELL UNITED FIRE SERVICES	Sport & Recreation
2022	HKIA SKYCITY COMPLEX BLDG A2&A3	COLMAT CONSTRUCTION AND	Retail
2023	2 MURRAY RD	KRUEGER ENGINEERING (ASIA) LIMITED	Office
2023	KAI TAK SPORTS PARK	YOUNG'S ENGINEERING COMPANY LIMITED	Sport & Recreation
2024	WEST KOWLOON - LYRIC THEATRE - (IPS)	LI LING DECORATION ENGINEERING	Community & Cultural