

# Direct Fastening

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## Application overview for GX fasteners

■ Optimal ■ Possible

Base materials			
Concrete strength (max N/mm <sup>2</sup> )	Steel thickness (mm)	Masonry	Wood

### Gas fixings

#### Fastener applications / specification

	Description	Application information				
	<b>GC 21 / GC 22 Gas Can</b>	Gas Can for GX-120				
	<b>X-GN</b>	Fixing to concrete	≤ 30	■	■	
	<b>X-EGN</b>	Fixing to steel		≥ 4		
	<b>X-GHP</b>	Fixing to hard steel or concrete	≤ 45	≥ 4	■	
	<b>X-ECT MX</b>	Cables to steel or concrete	■	■	■	
	<b>X-EKB MX</b>	Cables to steel or concrete	■	■	■	
	<b>X-ET MX</b>	Trunking to steel or concrete	■	■	■	
	<b>X-EKS MX</b>	Conduit to steel or concrete	■	■	■	
	<b>X-EKSC MX</b>	Conduit to steel or concrete	■	■	■	
	<b>X-FB MX</b>	Conduit to steel or concrete	■	■	■	
	<b>X-DFB MX</b>	Conduit to steel or concrete	■	■	■	
	<b>X-HS MX</b>	Threaded rod to steel or concrete	■	■	■	
	<b>X-CC MX</b>	Wire or cable tie to steel or concrete	■	■	■	
	<b>X-EMTSC MX</b>	(Conduit to steel or concrete (with stand-off	■	■	■	

Range		Load Range		For use with								Additional information	Special features	Approvals	
Fastener shank length (mm)		Nrec (kN) (max)	Vrec (kN) (max)	GX-120, GX-120 ME	DX 460-F8, MX	DX 460-IE	DX 460-GR	DX 462	DX 351-BT / BTG	DX 36	DX 76 MX, PTR			Corrosion protection (microns)	Fire Resistant
20 - 39		0.4	0.4	■									2 - 8	■	
14		0.4	0.4	■									2 - 8	■	
18 - 20		0.4	0.4	■									2 - 8	■	
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■
				ME	■							Use with X-GHP or X-U nail			■

Direct Fastening

## Application overview for DX fasteners

■ Optimal ■ Possible

Base materials			
Concrete strength (max N/mm <sup>2</sup> )	Steel thickness (mm)	Masonry	Wood

### DX Fixings (Powder)

#### Fastener applications / specification

	Description	Application information				
	<b>Cartridges 6.8/11 M10</b>	(Standard magazine cartridge strip (10				
	<b>Cartridges 6.8/18 M10</b>	Magazine cartridge strip for DX 76 tools				
	<b>X-U</b>	Universal nail for fixing to steel and concrete	≤ 45	≥ 6	■	
	<b>X-C</b>	Standard nail for fixing to concrete	≤ 45		■	
	<b>X-CR nails</b>	Stainless steel nail for fixing to steel or concrete	≤ 40	6-8		
	<b>X-FS</b>	Fastener for positioning of formwork 'shutter'	≤ 30			
	<b>X-SW</b>	Fastener for fixing drainage membranes, .netting etc	≤ 30			
	<b>X-CT</b>	Fastener with low profile head and pre-determined break-off point for easy removability	≤ 30			
	<b>X-IE</b>	Fastener for fixing insulation to concrete or masonry	≤ 45	≥ 4		
	<b>X-HS-W</b>	Integrated wire hanging system including nail, clip and wire	≤ 45	≥ 6		
	<b>X-HS</b>	Integrated threaded rod hanging system including nail and rod hanger	≤ 45	≥ 6		
	<b>X-CC</b>	Integrated ceiling fastening system including nail and clip for attaching wires	≤ 45	≥ 6		
	<b>X-ECH</b> (nails pre-mounted)	Cables to steel or concrete	≤ 55			
	<b>X-EKB</b> (nails pre-mounted)	Cables to steel or concrete	≤ 55			
	<b>X-ET</b> (nails pre-mounted)	Trunking to steel or concrete	≤ 30			
	<b>X-FB / X-DFB</b> (nails pre-mounted)	Cables or conduit to concrete	≤ 30			

Range		Load Range		For use with							Additional information	Special features	Approvals	
Fastener shank length (mm)		Nrec (kN) (max)	Vrec (kN) (max)	GX-120, GX-120 ME	DX 460-F8, MX	DX 460-IE	DX 460-GR	DX 462	DX 351-BT / BTG	DX 2		DX 76 MX, PTR	Corrosion protection (microns)	Fire Resistant
					■	■	■	■	■	■				
											■			
15 - 72		0.4	0.4		■						■	MX nails need MX 72 magazine	5 - 13	
20 - 72		0.4	0.4		■						■	MX nails need MX 72 magazine	5 - 13	
16 - 54		0.4	0.4		F8						■		Equivalent to A4	■
			0.4		■						■	'Can eliminate need for 'kicker	5 - 13	
		0.3	0.3		■						■		5 - 13	
47 - 97			0.3		■						■		5 - 13	
200		0.3	0.35			■						XL Fastener guide + piston mm 140 <	5 - 13	
		0.2	0.3		F8							Wire lengths 1, 2 and 3 m	5 - 13	
		0.4	0.4		F8						■	M6, M8, M10 available	5 - 13	
		0.2	0.2		F8						■		5 - 13	
					F8						■	Up to 30 cables	5 - 13	■
					F8						■	cables 10 - 4	5 - 13	■
		0.1	0.1		F8						■		5 - 13	■
		0.06	0.06		F8						■	Cables or conduit from 8 - 40 mm	5 - 13	■

Direct Fastening

## Application overview for DX fasteners

■ Optimal ■ Possible

Base materials			
Concrete strength (max N/mm <sup>2</sup> )	Steel thickness (mm)	Masonry	Wood

### DX Fixings (Powder)

#### Fastener applications / specification

	Description	Application information				
	<b>X-EM 6, 8, 10</b>	Threaded studs for fastening to steel		≥ 6		
	<b>X-M 6, 8, 10</b>	Threaded studs for fastening to steel and concrete	≤ 45			
	<b>X-CRM6, 8</b>	Stainless steel threaded studs for fastening to steel and concrete	≥ 20	6-12		
	<b>X-BT M6, M8, M10</b>	Stainless steel threaded studs for fastening to steel		≥ 8		
	<b>X-BT MF</b>	Composite stud with integrated flange nut for multipurpose fastenings		≥ 8		
	<b>X-GR-RU</b>	Integrated fastener and clip for fixing down grating		≥ 4		
	<b>X-ENP nails</b>	High load nail for fixing steel roof, floor and wall systems		≥ 6		
	<b>X-HVB</b>	Shear stud system for creating composite 'action'				
	<b>NPH</b>	Siding and decking nails for concrete (DX Kwik method)	≥ 20			
	<b>EDS DS Nails</b>	Heavy duty nails for steel and concrete	≤ 40	≥ 6		
	<b>Marking Characters</b>	Letter and number characters for marking steel for identification purposes				
	<b>X-FCM</b>	Fixing disc for fastening down steel and GRP grating				
	<b>X-FCP</b>	Fixing disc for fastening down floor plate ((checker plate				
	<b>X-MGR</b>	Manual clamp for fixing down grating				
	<b>SDK, PDK</b>	Cover cap for use with X-ENP nails for external applications				
	<b>X-SEA-R</b>	Use with X-BT M8 or X-CRM8 for increased grating heights to 80mm				
	<b>PN 514 Micky pins</b>	Use with BD1 hand drive tool				
	<b>X-HN (hand drive)</b>	Hand drive nails - no tool required				
	<b>Washers (R23/R36)</b>	Use with washer holder X-460-WH				
	<b>Pole tool</b>	For fixing from floor level, no scaffolding/ladders required	≤ 30			

Range	Load Range		For use with								Additional information	Special features	Approvals	
	Fastener shank length (mm)	Nrec (kN) (max)	Vrec (kN) (max)	GX-120, GX-120 ME	DX 460-F8, MX	DX 460-IE	DX 460-GR	DX 462	DX 351-BT / BTG	DX 36			DX 76 MX, PTR	Corrosion protection (microns)
M6 M8, M10	1.6 2.4	1.6 2.4		■					■	■	M10 with DX 460 only	5 - 13	■	
	0.4	0.4		■					■	■	M10 with DX 460 only	5 - 13	■	
Steel	1.8	1.8		■		■			■	■		Equivalent to A4		
	2.3	3.4							■		'M8 with 'BT 'M6, M10 with 'BTG	Equivalent to A4		
	1.5	2.2							■		to be installed using DX 351-BT			
	0.8					■					Grating height 25 - 40 mm	Nail - A4 Clip - 45		
19	4.7	4.6								■	MXR version for DX 860	8 - 16		
50 - 140										■	Use X-ENP 21 mm nails with Shear connector Fastener Guide & Piston	≥ 3		
-----	3.0	2.5								■	Kwik fastener guide and piston required	8 - 16		
19 - 27 27 - 72	0.4 2.4	0.4 4.0								■	F10 Fastener Guide & Piston	5 - 13		
							■				CM head for cold marking °C HM head up to 800			
Grating height 25 - 50											Use with X-CRM 8 mm threaded studs	5, 45, A4		
Up to 13 mm plates											Use with X-CRM8 studs	45, A4		
Grating height 25 - 40 mm											Manual clamp - No DX tool requir- ed	60		
												A4		

Direct Fastening





## Gas-actuated fastening tool GX 120



### Key applications and advantages

- Repetitive fastening of drywall track to concrete, concrete block and steel
- Attaching drywall track to floors, walls and ceilings
- Fastening reveal strips to walls
- Magazine holds 40 nails: very fast when used for repetitive fastening
- No battery to charge so no need for a charger

### Technical data

<b>Power (max.)</b>	100 J
<b>Fastener length range</b>	14 - 39 mm
<b>Fastener intake</b>	40 nails
<b>Weight</b>	3.9 kg
<b>Max. fastener driving rate</b>	1200 / h
<b>Certificates</b>	CE



Ordering designation	Package contents	Sales pack quantity	Item number
GX 120	1x Gas-actuated tool GX 120, 1x Drift punch X-120 NP kit, 1x Case	1 pc	274638

## Nail for use with gas-actuated tools X-GHP MX

### Key applications and advantages

- Fastening to hard concrete
- Fastening metal track up to 2 mm
- Ballistic point and high hardness for best performance in hard concrete



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-GHP 20 MX	Concrete (hard)	20 mm	3 mm	750 pc	285724

## Nail for use with gas-actuated tools X-GN MX

### Key applications and advantages

- Fastening to concrete, block and masonry
- Fastening metal track up to 2 mm thick
- Fastening wood up to 24 mm thick
- Robust nail with low driving failure rate
- Available in lengths up to 39 mm



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-GN 20 MX	Concrete, Masonry, Brick, Concrete block	20 mm	3 mm	750 pc	340232
X-GN 27 MX	Concrete, Masonry, Brick, Concrete block	27 mm	3 mm	750 pc	340230
X-GN 32 MX	Concrete, Masonry, Brick, Concrete block	32 mm	3 mm	750 pc	340233
X-GN 39 MX	Concrete, Masonry, Brick, Concrete block	39 mm	3 mm	750 pc	340234

## Nail for use with gas-actuated tools X-EGN MX

### Key applications and advantages

- Fastening to steel
- Fastening drywall track to steel
- Robust nail with low driving failure rate



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-EGN 14 MX	Steel	14 mm	3 mm	750 pc	340231

**GX 120 gas can GC 20/21/22**

Ordering designation	Sales pack quantity	Item number
GC 21	1 pc	38865





### Gas-actuated tool GX 120-ME



#### Key applications and advantages

- Versatile fastening system for various electrical and mechanical applications
- Quick and convenient repetitive fastening on concrete, hollow or solid block and steel
- Fastening electrical equipment such as conduits, junction boxes and lighting fixtures
- Drives 750 fasteners with a single gas can
- World's first tool of its kind with a gas gauge to help avoid running out of gas unexpectedly

#### Technical data

<b>Power (max.)</b>	100 J
<b>Fastener length range</b>	14 - 39 mm
<b>Fastener intake</b>	20 nails (+2)
<b>Weight</b>	3.8 kg
<b>Max. fastener driving rate</b>	1200 / h
<b>Certificates</b>	CE



Ordering designation	Package contents	Sales pack quantity	Item number
GX 120-ME	1x Gas-actuated tool GX 120-ME, 1x Drift punch X-120 NP kit, 1x Case	1 pc	274898

### Conduit clip X-FB MX

#### Key applications and advantages

- Fastening flexible and rigid electrical conduits, water and heating pipes, injection hoses
- Friction fit in the nose of GX/DX tools for easy handling
- Bracing rib for high rigidity and a tight, secure hold on flexible conduits



Ordering designation	Material composition	Sales pack quantity	Item number
X-FB 32 MX	Fixation element: galvanized steel sheet, Zinc coating 10-20 µm, Plastic component: polyamide (halogen and silicone free)	100 pc	286804
X-FB 8 MX	Fixation element: galvanized steel sheet, Zinc coating 10-20 µm, Plastic component: polyamide (halogen and silicone free)	200 pc	286797
X-FB 11 MX	Fixation element: galvanized steel sheet, Zinc coating 10-20 µm, Plastic component: polyamide (halogen and silicone free)	200 pc	286798
X-FB 20 MX	Fixation element: galvanized steel sheet, Zinc coating 10-20 µm, Plastic component: polyamide (halogen and silicone free)	200 pc	286800
X-FB 25 MX	Fixation element: galvanized steel sheet, Zinc coating 10-20 µm, Plastic component: polyamide (halogen and silicone free)	200 pc	286802

### Butterfly conduit clip X-DFB MX

#### Key applications and advantages

- Fastening flexible and rigid electrical conduits, water and heating pipes, injection hoses
- Friction fit in the nose of GX/DX tools for easy handling
- Bracing rib for high rigidity and a tight, secure hold on flexible conduits



Ordering designation	Material composition	Sales pack quantity	Item number
<b>X-DFB 20 MX</b>	Fixation element: galvanized steel sheet, Zinc coating 10-20 µm, Plastic component: polyamide (halogen and silicone free)	100 pc	<b>273384</b>
<b>X-DFB 25 MX</b>	Fixation element: galvanized steel sheet, Zinc coating 10-20 µm, Plastic component: polyamide (halogen and silicone free)	100 pc	<b>273386</b>

### Cable clamp X-EKS MX

#### Key applications and advantages

- Fastening cable conduits
- Typically spacing between fastening elements ranges from 50 cm to 100 cm Load requirements need to be considered
- Friction fit in the nose of GX/DX tools for easy handling
- Quick, cost-efficient fastening



Ordering designation	Material composition	Sales pack quantity	Item number
<b>X-EKS 20 MX</b>	Polyamide, Halogen and silicone free, Self-extinguishing according to UL 94 HB	100 pc	<b>285720</b>
<b>X-EKS 25 MX</b>	Polyamide, Halogen and silicone free, Self-extinguishing according to UL 94 HB	100 pc	<b>285721</b>

### Cable tie holder X-ECT MX

#### Key applications and advantages

- Fastening electrical cables, electrical conduits, water or heating pipes
- Universal holder for all types of cable ties up to a width of 9 mm
- The most time and cost-efficient method of installing cables and conduits
- Friction fit in the nose of GX/DX tools for easy handling



Ordering designation	Dimensions (LxWxH)	Height	Material composition	Width	Sales pack quantity	Item number
<b>X-ECT 40 MX</b>	37 x 25 x 12 mm	12 mm	Polyamide, Halogen and silicone free, Self-extinguishing according to UL 94 HB	25 mm	50 pc	<b>432947</b>

## Powder-actuated tool DX 2

### Key applications and advantages

- Attaching kicker plates to concrete
- Attaching drywall framing to concrete
- Fastening sill plates
- Powerful, reliable performance
- Consistent energy output over lifetime



Ordering designation	Package contents	Sales pack quantity	Item number
DX 2	1x Powder-actuated tool DX 2, 1x Round brush 5/8, 1x Round brush 5/C32, 1x Round brush, 1x Spares pack DX 2 packed, 1x Case	1 pc	2084169



## Powder-actuated tool DX 460-F8

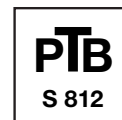


### Key applications and advantages

- Fastening wood to concrete, sand lime stone or steel
- Fastening sheet metal to concrete, sand-lime block or steel
- Attaching drainage foils and membranes to concrete or CMU block
- Versatility: performs a wide variety of applications
- Great ergonomics with reduced recoil

### Technical data

<b>Power (max.)</b>	325 J
<b>Fastener length range</b>	12 - 72 mm
<b>Fastener intake</b>	Single
<b>Weight</b>	3.2 kg
<b>Max. fastener driving rate</b>	700 / h
<b>Certificates</b>	CE
<b>Contact pressure range</b>	174 - 174 N



Ordering designation	Package contents	Sales pack quantity	Item number
DX 460 F8	1x Piston X460P8, 1x Fastener guide X-460-F8 assy, 1x Cleaning kit DX 460, 1x Case	1 pc	305170
DX 460 F8	1x Piston X460P8, 1x Fastener guide X-460-F8 assy, 1x Cleaning kit DX 460, 1x Case	1 pc	305175



**Powder-actuated tool DX 460 MX 72**



**Key applications and advantages**

- Fastening wood to concrete, sand-lime block masonry or steel
- Fastening sheet metal to concrete, sand-lime block or steel
- Attaching drainage foils and membranes to concrete or CMU block
- Fully automatic
- High fastening rate, low overall in-place cost

**Technical data**

<b>Power (max.)</b>	325 J
<b>Fastener length range</b>	12 - 72 mm
<b>Fastener intake</b>	10 nails
<b>Weight</b>	3.5 kg
<b>Max. fastener driving rate</b>	700 / h
<b>Certificates</b>	CE
<b>Contact pressure range</b>	208 - 208 N



Ordering designation	Package contents	Sales pack quantity	Item number
DX 460 MX 72	1x Nail magazine MX 72 assy, 1x Piston X460P8, 1x Cleaning kit DX 460, 1x Case	1 pc	371671

**Premium collated nail for concrete and steel X-U MX**

**Key applications and advantages**

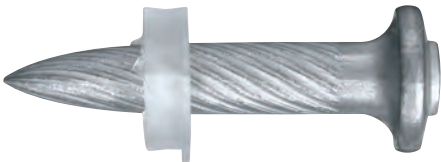
- Fastening to concrete and steel, e.g. formwork, wood lath, plastic sheeting, drywall track, sheet metal, etc.
- Universal use for fastening to steel, e.g. angle brackets, strut, etc.
- Fastening installation channels to steel beams and columns
- Fully-knurled point for increased performance on high-strength steel and hard concrete
- MX strips of 10 collated fasteners for high productivity and easy fastener loading



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-U 22 MX	Concrete	22 mm	4 mm	100 pc	237346
X-U 27 MX	Concrete	27 mm	4 mm	100 pc	237347
X-U 16 MX	Steel	16 mm	4 mm	100 pc	237344
X-U 19 MX	Steel	19 mm	4 mm	100 pc	237345
X-U 32 MX	Steel, Concrete	32 mm	4 mm	100 pc	237348
X-U 37 MX	Steel, Concrete	37 mm	4 mm	100 pc	237349
X-U 42 MX	Steel, Concrete	42 mm	4 mm	100 pc	237350
X-U 47 MX	Steel, Concrete	47 mm	4 mm	100 pc	237351
X-U 52 MX	Steel, Concrete	52 mm	4 mm	100 pc	237352
X-U 62 MX	Steel, Concrete	62 mm	4 mm	100 pc	237354
X-U 72 MX	Steel, Concrete	72 mm	4 mm	100 pc	237356



### Premium nail for concrete and steel X-U P8



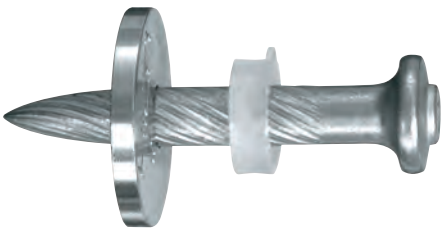
- Key applications and advantages**
- Fastenings on concrete and steel
  - Fastening wall ties
  - Setting up formwork and safety barriers
  - Knurled tip
  - High application limits, high ultimate tensile loads

Technical data	
<b>Corrosion protection</b>	Zinc-coated 5-13 µm
<b>Environmental conditions</b>	Indoor, dry



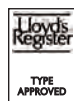
Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Washer size	Sales pack quantity	Item number
X-U 22 P8	Concrete	22 mm	4 mm	8 mm	100 pc	237332
X-U 27 P8	Concrete	27 mm	4 mm	8 mm	100 pc	237333
X-U 16 P8	Steel	16 mm	4 mm	8 mm	100 pc	237330
X-U 19 P8	Steel	19 mm	4 mm	8 mm	100 pc	237331
X-U 32 P8	Steel, Concrete	32 mm	4 mm	8 mm	100 pc	237334
X-U 37 P8	Steel, Concrete	37 mm	4 mm	8 mm	100 pc	237335
X-U 42 P8	Steel, Concrete	42 mm	4 mm	8 mm	100 pc	237336
X-U 47 P8	Steel, Concrete	47 mm	4 mm	8 mm	100 pc	237337
X-U 52 P8	Steel, Concrete	52 mm	4 mm	8 mm	100 pc	237338
X-U 57 P8	Steel, Concrete	57 mm	4 mm	8 mm	100 pc	237339
X-U 62 P8	Steel, Concrete	62 mm	4 mm	8 mm	100 pc	237340
X-U 72 P8	Steel, Concrete	72 mm	4 mm	8 mm	100 pc	237342

### Premium nail with steel washer, for concrete and steel X-U P8



- Key applications and advantages**
- Fastening on S 355 (St 52) steel sub-structures with a thickness of 6-12 mm
  - Fastening wood to concrete (even high-strength concrete) or steel
  - Fastening timber or steel brackets to steel or concrete where high pull-over strength is required
  - Galvanized nail for fastenings on concrete or steel
  - High application limits, high ultimate tensile loads

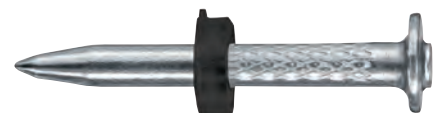
Technical data	
<b>Corrosion protection</b>	Zinc-coated 5-13 µm
<b>Environmental conditions</b>	Indoor, dry



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Washer size	Sales pack quantity	Item number
X-U 16 S12	Concrete, Steel	16 mm	4 mm	12 mm	100 pc	237357
X-U 22 S12	Concrete, Steel	22 mm	4 mm	12 mm	100 pc	237359
X-U 27 S12	Concrete, Steel	27 mm	4 mm	12 mm	100 pc	237360
X-U 32 S12	Concrete, Steel	32 mm	4 mm	12 mm	100 pc	237361
X-U 27 P8 S15	Steel, Concrete	27 mm	4 mm	15 mm	100 pc	237371

### General-purpose nail for concrete X-C P8

- Key applications and advantages**
- Fastening drywall track to concrete
  - Fastening brick ties to masonry or concrete
  - Wood to concrete, e.g. formwork boards
  - Standard-performance fastener
  - Suitable for fastening to concrete where high load values are not required



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-C 27 P8	Concrete, Concrete block, Some types of masonry (sand-lime block)	27 mm	3.5 mm	100 pc	2091379
X-C 27 P8 BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	27 mm	3.5 mm	1000 pc	2091380
X-C 32 P8 BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	32 mm	3.5 mm	1000 pc	2091382
X-C 37 P8 BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	37 mm	3.5 mm	1000 pc	2091384
X-C 47 P8 BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	47 mm	3.5 mm	1000 pc	2091388

**General-purpose collated nail for concrete X-C MX**

**Key applications and advantages**

- Attaching drywall track to masonry block and concrete
- Wood to concrete, e.g. formwork boards, safety barriers, etc.
- Fastening HVAC duct strapping or suspended ceilings to concrete
- Nail for fastenings on concrete
- Suitable for soft to medium-hard concrete (up to 45N/mm<sup>2</sup> concrete strength)



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-C 27 MX BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	27 mm	3.5 mm	1000 pc	2091266
X-C 32 MX BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	32 mm	3.5 mm	1000 pc	2091268
X-C 37 MX BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	37 mm	3.5 mm	1000 pc	2091360
X-C 47 MX BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	47 mm	3.5 mm	1000 pc	2091364
X-C 72 MX BULK	Concrete, Concrete block, Some types of masonry (sand-lime block)	72 mm	3.5 mm	1000 pc	2091370

**General-purpose nail for concrete, with steel washer X-C P8S**

Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Washer size	Sales pack quantity	Item number
X-C 27 P8 S23	Concrete, Concrete block, Some types of masonry (sand-lime block)	27 mm	3.5 mm	23 mm	1000 pc	2091396
X-C 32 P8 S23	Concrete, Concrete block, Some types of masonry (sand-lime block)	32 mm	3.5 mm	23 mm	1000 pc	2091399
X-C 37 P8 S23	Concrete, Concrete block, Some types of masonry (sand-lime block)	37 mm	3.5 mm	23 mm	1000 pc	2091401

**Steel washers for use with nails Steel washers**

**Key applications and advantages**

- Fastening insulation material, plastic sheeting, mesh etc.



Ordering designation	Washer size	Sales pack quantity	Item number
R23	23 mm	100 pc	51731
R23-0.6 Eco	23 mm	1000 pc	407950



## DX cartridge 6.8/11 M10

### Key applications and advantages

- Reliable top performance with tools of the Hilti DX system
- Hilti cartridges are designed specifically for use with Hilti powder-actuated tools as part of a matched tolerance system



Ordering designation	Cartridge power level	Collated	Sales pack quantity	Item number
6,8/11 M black	Extra-heavy	Yes	100 pc	50354
6,8/11 M red	Heavy	Yes	100 pc	50353
6,8/11 M BULK red	Heavy	Yes	1000 pc	50373
6,8/11 M BULK green	Light	Yes	1000 pc	50371
6,8/11 M yellow	Medium-light	Yes	100 pc	50352
6,8/11 M BULK yellow	Medium-light	Yes	1000 pc	50372

## Ceiling hanger X-CC

### Key applications and advantages

- Ceiling suspensions on concrete
- Premium nail for improved fastening quality on concrete



Ordering designation	Fastener shank length	Fastener shank diameter	Washer size	Material composition	Sales pack quantity	Item number
X-CC U16 P8	16 mm	4 mm	8 mm	Galvanized steel	100 pc	386228
X-CC U22 P8	22 mm	4 mm	8 mm	Galvanized steel	100 pc	386229
X-CC U27 P8	27 mm	4 mm	8 mm	Galvanized steel	100 pc	386230

## Ceiling clip X-CC CS

### Key applications and advantages

- Fastening suspended ceiling wires or hangers to concrete
- Quick and easy fastening without drilling
- Can be fastened from the floor using the DX pole tool



Ordering designation	Sales pack quantity	Item number
X-CC CS27 P8	100 pc	2005065

## Ceiling hanger X-HS M P8 S15

### Key applications and advantages

- Fastening wood to concrete (even high-strength concrete) or steel
- Setting up forming boards and safety barriers
- Fastening wall ties
- Driving depth indicator on the nail shank for easy selection of optimum nail length
- Thanks to the reliable hold achieved at reduced depth of penetration, shorter nails and less powerful cartridges can be used - resulting in lower recoil, lower costs and easier use

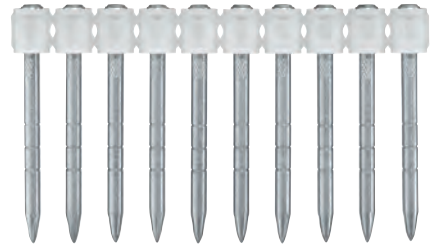


Ordering designation	Fastener shank length	Material composition	Sales pack quantity	Item number
X-HS M10 U19 P8 S15	19 mm	Nail: carbon steel, Zinc coating 5-13 µm, Fixation element: galvanized steel sheet	100 pc	386215
X-HS M8 U22 P8 S15	22 mm	Nail: carbon steel, Zinc coating 5-13 µm, Fixation element: galvanized steel sheet	100 pc	386219
X-HS M10 U22 P8 S15	22 mm	Nail: carbon steel, Zinc coating 5-13 µm, Fixation element: galvanized steel sheet	100 pc	386220
X-HS M6 U32 P8 S15	32 mm	Nail: carbon steel, Zinc coating 5-13 µm, Fixation element: galvanized steel sheet	100 pc	361788
X-HS M8 U32 P8 S15	32 mm	Nail: carbon steel, Zinc coating 5-13 µm, Fixation element: galvanized steel sheet	100 pc	361789
X-HS M10 U32 P8 S15	32 mm	Nail: carbon steel, Zinc coating 5-13 µm, Fixation element: galvanized steel sheet	100 pc	361790

## Forming nail X-CT MX

### Key applications and advantages

- Temporary fastening of wood to concrete
- Predefined shear points on the fastener for controlled fastener removal
- Fast removal without need for a crowbar



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-CT 52 MX	Concrete	52 mm	3.7 mm	100 pc	383576

## M6 threaded stud (with 8mm washer) X-EM6H FP8

### Key applications and advantages

- For threaded connections (e.g. for channels, angle brackets) on steel
- Please request technical advice if used on higher-strength steel, for stand-off fastenings or in the event of exposure to vibration
- For steel strengths up to 450 N/mm<sup>2</sup>



Ordering designation	Thread diameter	Thread length	Material composition	Washer size	Sales pack quantity	Item number
X-EM6H-20-9FP8	6 mm	20 mm	Carbon steel shank HRC 56.5	8 mm	100 pc	271961

## Threaded stud (for 8mm washer) X-EM8H P8

### Key applications and advantages

- For threaded connections (e.g. for channels, angle brackets) on steel
- For steel strengths up to 450 N/mm<sup>2</sup>
- Please request technical advice if used on higher-strength steel, for stand-off fastenings or in the event of exposure to vibration
- For steel strengths up to 450 N/mm<sup>2</sup>



Ordering designation	Thread diameter	Thread length	Material composition	Sales pack quantity	Item number
X-EM8H-15-12P8	8 mm	15 mm	Carbon steel shank HRC 56.5	100 pc	271981

## Threaded stud (for 10mm washer) X-EM8H FP10

### Key applications and advantages

- For threaded connections (e.g. for channels, angle brackets) on steel
- For steel strengths up to 450 N/mm<sup>2</sup>
- Please request technical advice if used on higher-strength steel, for stand-off fastenings or in the event of exposure to vibration
- Easy-to-use cordless system – up to 10 times quicker than drilling and with less vibration
- Thermo-pulled, entirely knurled shank ensures reliable fastening in steel



Ordering designation	Thread diameter	Thread length	Material composition	Sales pack quantity	Item number
X-EM8H-15-12FP10	8 mm	15 mm	Carbon steel shank HRC 56.5	100 pc	271982

## Threaded stud (for 10mm washer) X-EM10H P10

### Key applications and advantages

- For fastenings on steel: channels, pipe rings, suspended ceilings etc.
- Easy-to-use cordless system – up to 10 times quicker than drilling and with less vibration
- Thermo-pulled, entirely knurled shank ensures reliable fastening in steel



Ordering designation	Thread diameter	Thread length	Material composition	Washer size	Sales pack quantity	Item number
X-EM10H-24-12P10	10 mm	24 mm	Carbon steel shank HRC 56.5	10 mm	100 pc	271984



**Powder-actuated tool DX 460-IE**



**Key applications and advantages**

- For fastening mineral wool and EPS insulation materials to interior and exterior walls, including facades
- Fastening insulation with a thickness of 25 - 200mm is possible
- For fastening to concrete (45N/mm<sup>2</sup>), steel and masonry
- One-step fastening solution for insulation with a thickness of 1" or greater
- Fastest method for fastening mineral wool and EPS insulation materials to concrete or CMU block

**Technical data**

<b>Power (max.)</b>	325 J
<b>Fastener length range</b>	25 - 200 mm
<b>Fastener intake</b>	Single
<b>Weight</b>	3.2 kg
<b>Max. fastener driving rate</b>	700 / h
<b>Certificates</b>	CE
<b>Contact pressure range</b>	174 - 200 N



Ordering designation	Package contents	Sales pack quantity	Item number
DX 460 IE-XL	1x Piston X-460 PIE-XL, 1x Fastener guide X-460 FIE-XL, 1x Cleaning kit DX 460, 1x Case	1 pc	377790

**Insulation fastener X-IE 6**

**Key applications and advantages**

- Fastening insulation on facades
- Fastening insulation on ceilings
- Fastening insulation on cellar exterior walls
- Fastest insulation material fastening system: up to five times quicker than conventional methods
- Collapsible section: no crushing of the insulation material



Ordering designation	Fastener shank length	Washer size	Diameter	Material composition	Thickness fastened - max.	Sales pack quantity	Item number
X-IE 6-75	62 mm	60 mm	60 mm	High-density polyethylene (HDPE)	75 mm	200 pc	2041741
X-IE 6-100	62 mm	60 mm	60 mm	High-density polyethylene (HDPE)	100 mm	200 pc	2041744
X-IE 6-50	62 mm	60 mm	60 mm	High-density polyethylene (HDPE)	50 mm	300 pc	2041718

## Powder-actuated marking tool DX 462 HM



### Key applications and advantages

- Marking hot materials at a temperature of up to 800°C, marking castings in a wide variety of shapes and types, marking all parts presently marked using a hammer and punches, marking items outside their normal production locations
- Marking on steel surfaces
- Fully automatic piston return and cartridge advance achieves a higher marking rate without need to manually cycle the tool
- Total mobility and complete independence from electrical power supplies

Ordering designation	Package contents	Sales pack quantity	Item number
DX 462 HM	1x Marking head X-462-HM, 1x Piston X-462-PM, 1x Cleaning kit DX 460, 1x Spares pack HM 1, 1x Case	1 pc	376376

## Powder-actuated marking tool DX 462 CM



### Key applications and advantages

- Marking cold slabs, blooms, billets and ingots, light, medium or heavy-duty steel sections in steel mills
- Stamping serial numbers on component parts of aircraft, ships, offshore platforms, rail cars, cranes, earthmoving equipment and other automotive parts in various heavy industries
- Marking on steel surfaces
- Total mobility and complete independence from electrical power supplies
- Fully automatic piston return and cartridge advance achieves a higher marking rate without need to manually cycle the tool

Ordering designation	Package contents	Sales pack quantity	Item number
DX 462 CM	1x Marking head X-462-CM, 1x Piston X-462-PM, 1x Cleaning kit DX 460, 1x Case	1 pc	284710

## Marking head X-462

### Key applications and advantages

- Marking ferrous materials with a hardness of up to 32 HRC
- Marking steel in steelworks, manufacturing plants (railway, aircraft, trucks, cranes, etc.) and testing institutes, etc.
- Various marking heads available for marking hot and cold metal surfaces
- Character types available: sharp, low-stress and mini-stress



Ordering designation	Sales pack quantity	Item number
X-462-CM	1 pc	282319

## Marking character (narrow high-stress) X-MC S 5.6/10

### Key applications and advantages

- Marking on ferrous materials with a hardness of up to 32 HRC
- Marking steel in steelworks, manufacturing plants (railway, aircraft, trucks, cranes, etc.) testing institutes, etc.
- Fast and reliable system: 5 sec. per marking
- Safe system: Reduces risk of injury compared to stamping manually



Ordering designation	Character font height	Width	Sales pack quantity	Item number
X-MC S 5.6/10 0-9 set	10 mm	6 mm	1 pc	7621
X-MC S 5.6/10 A-Z set	10 mm	6 mm	1 pc	7622

### Marking character X-MC S 8/10

**Key applications and advantages**

- Marking on ferrous materials with a hardness of up to 32 HRC
- Marking steel in steelworks, manufacturing plants (railway, aircraft, trucks, cranes, etc.) testing institutes, etc.
- Fast and reliable system: five seconds per marking
- Eliminates hand-stamping injuries



Ordering designation	Character font height	Width	Sales pack quantity	Item number
X-MC S 8/10 3	10 mm	8 mm	1 pc	7269
X-MC S 8/10 4	10 mm	8 mm	1 pc	7270
X-MC S 8/10 9	10 mm	8 mm	1 pc	7275
X-MC S 8/10 K	10 mm	8 mm	1 pc	7286
X-MC S 8/10 M	10 mm	8 mm	1 pc	7288
X-MC S 8/10 W	10 mm	8 mm	1 pc	7298
X-MC S 8/10 Z	10 mm	8 mm	1 pc	7301
X-MC S 8/10 0-9 set	10 mm	8 mm	1 pc	7743
X-MC S 8/10 A-Z set	10 mm	8 mm	1 pc	7744

### Marking character (wide high-stress letters) X-MC S 8/12

**Key applications and advantages**

- Marking on ferrous materials with a hardness of up to 32 HRC
- Marking steel in steelworks, manufacturing plants (railway, aircraft, trucks, cranes, etc.) and testing institutes, etc.
- Fast and reliable system: 5 sec. per marking
- Safe system: No risk of injury

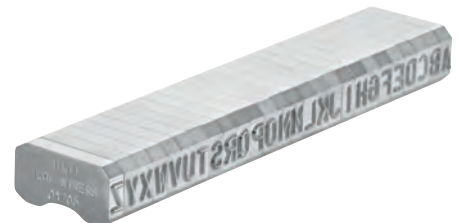


Ordering designation	Character font height	Width	Sales pack quantity	Item number
X-MC S 8/12 0-9 set	12 mm	8 mm	1 pc	7745
X-MC S 8/12 A-Z set	12 mm	8 mm	1 pc	7746

### Marking character (narrow, low-stress letters) X-MC LS 5.6/6

**Key applications and advantages**

- Marking steel in steel works, manufacturing plants, testing institutes, etc.
- Fast and reliable system: 5 sec. per marking
- Low-stress markings



Ordering designation	Character font height	Width	Sales pack quantity	Item number
X-MC LS 5.6/6 0-9 set	6 mm	6 mm	1 pc	8114
X-MC LS 5.6/6 A-Z set	6 mm	6 mm	1 pc	8115
X-MC LS 5.6/6 R	6 mm	6 mm	1 pc	8148

### Marking character (wide, low-stress letters) X-MC LS 8/10

**Key applications and advantages**

- Marking steel in steel works, manufacturing plants, testing institutes, etc.
- Fast and reliable system: 5 sec. per marking
- Low-stress markings



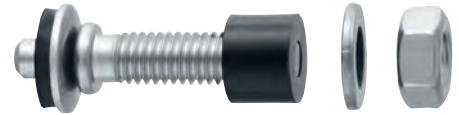
Ordering designation	Character font height	Width	Sales pack quantity	Item number
X-MC LS 8/10 A-Z set	10 mm	8 mm	1 pc	373523
X-MC LS 8/10 0-9 set	10 mm	8 mm	1 pc	373524

Direct Fastening

## Threaded stud (for coated steel, metric) X-BT M6

### Key applications and advantages

- Light-duty electrical installation (instrumentation panels, junction boxes), fitting out and much more
- Grounding and bonding equipment
- Exterior lightning protection systems
- No finishing work required: steel corrosion protection remains intact
- Versatile: suitable for use on most standard and high-strength construction steels



Ordering designation	Thread diameter	Material composition	Washer size	Sales pack quantity	Item number
X-BT M6-24-6 SN12-R	6 mm	Duplex stainless steel (1.4462)	12 mm	100 pc	432266

## Threaded stud for coated steel X-BT M8

### Key applications and advantages

- Fastening gratings to steel structures using the X-FCM-M and X-FCM-R grating disc
- Fastening cable trays, strut, light duty electrical applications (T-bars, instrumentation panels, junction boxes)
- Designed for use on steel with a thickness of 8 mm (5/16") and greater
- No finishing of the steel supporting structure required: steel corrosion protection remains intact
- Suitable for use on most standard and high-strength construction steels

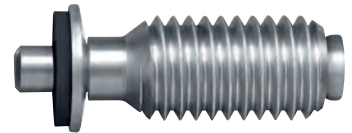


Ordering designation	Thread diameter	Material composition	Sales pack quantity	Item number
X-BT M8-15-6 SN12-R	8 mm	Duplex stainless steel	100 pc	377074

## Threaded stud (for coated steel, metric) X-BT M10

### Key applications and advantages

- Fastening cable trays, channels, strut, light-duty electrical installations (T-bars, instrumentation panels, junction boxes, etc.) fitting out and much more
- Grounding and bonding equipment
- External lightning protection systems
- No finishing work required: steel corrosion protection remains intact
- Versatile: suitable for use on most standard and high-strength construction steels



Ordering designation	Thread diameter	Material composition	Washer size	Sales pack quantity	Item number
X-BT M10-24-6 SN12-R	10 mm	Duplex stainless steel (1.4462)	12 mm	100 pc	377078

## Composite stud X-BT-MF

### Key applications and advantages

- Fastening cable ladders using channels or hold-down / expansion guide clips
- Fastening cable trays and cable runs using channels or conduit clips
- Fastening junction boxes, switchgear and instrumentation panels directly or using channels
- Suitable for use in mildly corrosive environments (C3)
- Easy installation in tight spaces

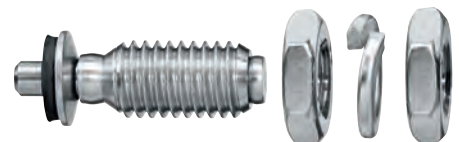


Ordering designation	Sales pack quantity	Item number
X-BT-MF M10/10 SN 4	100 pc	2083549

## Electrical connector X-BT-ER

### Key applications and advantages

- Protective bonding and grounding of machinery
- Pipe flange bonding
- Protective bonding
- Ideal for equipotential bonding
- Maximum safety: lets electrical current flow through the stud and discharge properly to the base material



Ordering designation	Thread diameter	Material composition	Washer size	Sales pack quantity	Item number
X-BT-ER M6/7 SN 4	6 mm	Duplex stainless steel (1.4462)	12 mm	100 pc	2107275
X-BT-ER M8/7 SN 4	8 mm	Duplex stainless steel (1.4462)	12 mm	100 pc	2103095
X-BT-ER M10/3 SN 4	10 mm	Duplex stainless steel (1.4462)	12 mm	100 pc	2103094

### Threaded stud (for steel, with 8 mm washer) X-CR M8

#### Key applications and advantages

- Fastening grating and chequer plate in corrosive environments such as marine, offshore, petrochemical, power plants, etc.
- Light-duty fastenings for electrical and mechanical fixtures
- Corrosion-resistant fastener ideal for fastening directly to steel
- Suitable for marine, offshore, petrochemical, power plants, etc.



Ordering designation	Thread length	Sales pack quantity	Item number
X-CR M8-9-12 P8	9 mm	100 pc	372031
X-CR M8-15-12 P8	15 mm	100 pc	372033

### Threaded stud (for steel, with 10 mm washer) X-CR M8

#### Key applications and advantages

- Fastening grating and chequer plate in corrosive environments such as marine, offshore, petrochemical, power plants, etc.
- Light-duty fastenings for electrical and mechanical fixtures
- Corrosion-resistant fastener ideal for fastening directly to steel
- Suitable for marine, offshore, petrochemical, power plants, etc.

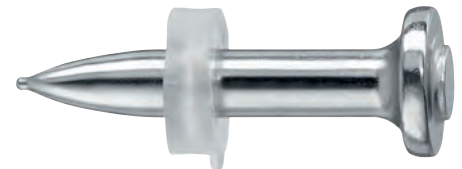


Ordering designation	Thread length	Sales pack quantity	Item number
X-CR M8-15-12 FP10	15 mm	100 pc	372034

### Universal nail X-CR P8

#### Key applications and advantages

- Fastening in outdoor applications, directly or indirectly exposed to the weather
- Approved for fastening profiles in facade construction
- Corrosion resistant



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Washer size	Sales pack quantity	Item number
X-CR 14 P8	Concrete, Steel	14 mm	3.7 mm	8 mm	100 pc	306701
X-CR 16 P8	Concrete, Steel	16 mm	3.7 mm	8 mm	100 pc	247356
X-CR 21 P8	Concrete, Steel	21 mm	3.7 mm	8 mm	100 pc	247358
X-CR 24 P8	Concrete, Steel	24 mm	3.7 mm	8 mm	100 pc	247359
X-CR 29 P8	Concrete, Steel	29 mm	3.7 mm	8 mm	100 pc	247360

### DX Clean-Tec cartridges for the X-BT system 6.8/11 M10 brown

#### Key applications and advantages

- Driving X-BT threaded studs on steel
- Free of lead and other heavy metals
- Greater efficiency: numbered strips ensure no cartridges are wasted



Ordering designation	Cartridge power level	Collated	Sales pack quantity	Item number
6.8/11 M10 STD brown	Extra-light	Yes	100 pc	412689

### Grating disc (stainless steel) X-FCM-R

#### Key applications and advantages

- Fastening grating in corrosive environments such as marine, offshore, petrochemical, power plants, etc.
- Stainless steel disc
- Locking tabs on the disc help prevent loosening or spinning





Ordering designation	Diameter	Grating height	Material composition	Max. tightening torque	Sales pack quantity	Item number
X-FCM-R 25/30	50 mm	25 - 30 mm	Equivalent to A4 (316) stainless steel	8 Nm	100 pc	247181
X-FCM-R 1 1/4	50 mm	29 - 34 mm	Equivalent to A4 (316) stainless steel	8 Nm	100 pc	247184
X-FCM-R 35/40	50 mm	35 - 40 mm	Equivalent to A4 (316) stainless steel	8 Nm	100 pc	247182
X-FCM-R 45/50	50 mm	45 - 50 mm	Equivalent to A4 (316) stainless steel	8 Nm	100 pc	247183

## Stepped drill bit TX-BT

### Key applications and advantages

- Pre-drilling for X-BT fastenings
- The step ensures correct hole depth



Ordering designation	Diameter	Sales pack quantity	Item number
TX-BT 4/7-80	4 mm	1 pc	377079
TX-BT 4/7-110	4 mm	1 pc	377080

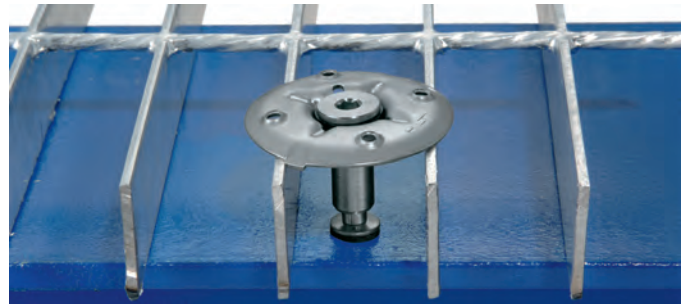
## Powder-actuated tool DX 351-BT

### Key applications and advantages

- Fastening threaded studs to steel with a thickness of at least 8 mm without through penetration of the steel base material
- Light-duty fastenings for electrical items such as cables, conduit clips, cable trays
- Installing junction boxes, lighting, switch boards
- A quick, easy and reliable fastening solution that requires no subsequent steel finishing
- Ideal for use on high-strength coated steel 5/16" or thicker



Ordering designation	Package contents	Sales pack quantity	Item number
DX 351 BT	1x Piston X-351 BT P 1024, 1x Fastener guide X-351 BT FG M1024 assy, 1x Cleaning kit DX 351, 1x Case	1 pc	377615



## Powder-actuated tool DX 351-BTG



### Key applications and advantages

- Fastening gratings using the X-BT M8 fastener
- Fastening to coated steel in corrosive environments using 8 mm threaded studs
- A quick, easy and reliable fastening solution that eliminates the need for subsequent finishing
- Ideal for use on high-strength coated steel, 8 mm or thicker

### Technical data

Power (max.)	85 J
Fastener length range	21 - 21 mm
Fastener intake	Threaded stud
Weight	2.36 kg
Max. fastener driving rate	700 / h
Certificates	CE
Contact pressure range	90 - 100 N



Ordering designation	Package contents	Sales pack quantity	Item number
DX 351 BT G	1x Piston X-351 BT P G, 1x Fastener guide X-351 BT FG G assy, 1x Cleaning kit DX 351, 1x Case	1 pc	377624

## Powder-actuated tool DX 460-GR

### Key applications and advantages

- Fastening gratings to steel structures for all types of buildings and plants: refineries, chemical plants, offshore platforms, civil engineering and industrial construction
- Power plants
- Warehouses
- Fast, economical and convenient: up to 120 grating fastenings per hour by one user
- Total mobility and complete independence from electrical power supplies (no cables)



Ordering designation	Package contents	Sales pack quantity	Item number
DX 460 GR	1x Piston X-460-PGR, 1x Fastener guide X-460-FGR assy, 1x Cleaning kit DX 460, 1x Case	1 pc	304394

## Cordless drill X-BT 4000-A

### Key applications and advantages

- For use with the X-BT system for coated, painted and high-strength steel applications
- Cordless high-speed drill exclusively designed for use with the X-BT fastening system
- Great drilling performance on steel with small-diameter bits



Ordering designation	Sales pack quantity	Item number
XBT 4000-A	1 pc	378266

## Accessories X-BT-MF

### Key applications and advantages

- Tightening the flange nut of the X-BT-MF composite stud
- Non-slip socket – holds the flange nut in place during installation
- Socket provides easy installation access through Hilti MQ channels



Ordering designation	Sales pack quantity	Item number
Socket wrench insert X-NSD 1/4"-16mm	1 pc	2097397
T-handle X-NSD 1/4"	1 pc	2115130

## Powder-actuated tool DX 76-PTR

### Key applications and advantages

- Fastening siding and roofing profile metal sheets, liner trays and steel composite systems on steel supports
- For use on steel with a thickness of 6 mm or greater
- Innovative PTR (punch through resistance) system plus the well-proven piston principle ensure maximum safety for users and bystanders
- High fastening quality even on thin substructures



Ordering designation	Package contents	Sales pack quantity	Item number
DX 76 PTR	1x Piston X-76-P-PTR X-ENP, 1x Nail magazine MX 76 PTR assy, 1x Cleaning kit DX 76/860, 1x Check gauge DX 76 PTR, 1x Case	1 pc	388219

## Single nail X-ENP

### Key applications and advantages

- For use in decking and siding applications
- Fastening metal siding sheets to structural steel beams/ columns
- Fastening metal roofing and flooring sheets to structural steel beams
- Fully-knurled tip provides high holding capacity
- No predrilling required even on thick steel



Ordering designation	Fastener shank diameter	Washer size	Sales pack quantity	Item number
X-ENP-19 L15	4.5 mm	15 mm	100 pc	283506

## Nail X-ENP MX

### Key applications and advantages

- Siding
- Decking
- Fastening metal siding sheets to structural steel beams/ columns
- Fully-knurled tip ensures ultimate holding capacity
- No predrilling required even on thick steel



Ordering designation	Fastener shank diameter	Washer size	Sales pack quantity	Item number
X-ENP-19 L15MX	4.5 mm	15 mm	1000 pc	283507

## Sealing cap SDK2/PDK2

### Key applications and advantages

- Use in conjunction with X-ENP-19 nails to provide superior water-resistant seal in steel fastening applications
- Visually clean and water-resistant
- Easy assembly with setting tool and hammer



Ordering designation	Diameter	Height	Material composition	Sales pack quantity	Item number
PDK2	21 mm	15 mm	Polyethylene	500 pc	52709
SDK2	22.5 mm	15 mm	Stainless steel (DIN 1.4404, ASTM 316)	100 pc	52708

### Shear connector X-HVB

**Key applications and advantages**

- Shear connector for composite floor decks
- Mobile solution to suit jobsite conditions, eliminates the need for welding
- Hilti PROFIS professional software for easy, optimum design to meet specific load requirements



Ordering designation	Dimensions (LxWxH)	Height	Material composition	Width	Sales pack quantity	Item number
X-HVB 95	60 x 24 x 95 mm	95 mm	Carbon steel Rm = 295-350 N/m2	24 mm	200 pc	348179
X-HVB 110	63 x 31 x 112 mm	112 mm	Carbon steel Rm = 295-350 N/m2	31 mm	200 pc	348180
X-HVB 125	63 x 31 x 128 mm	128 mm	Carbon steel Rm = 295-350 N/m2	31 mm	125 pc	348181
X-HVB 140	63 x 31 x 142 mm	142 mm	Carbon steel Rm = 295-350 N/m2	31 mm	120 pc	348321

### Sheet metal nail X-ENP HVB

**Key applications and advantages**

- Composite floor beams
- Composite floor decking
- No external power supply or cables required
- All-weather system



Ordering designation	Base materials	Fastener shank length	Fastener shank diameter	Washer size	Sales pack quantity	Item number
X-ENP-21 HVB	Steel	26 mm	4.5 mm	15 mm	100 pc	283512










### DX Clean-Tec cartridges 6.8/18 M10

Ordering designation	Cartridge power level	Collated	Sales pack quantity	Item number
6.8/18 M10 STD black	Extra-heavy	Yes	100 pc	416486
6.8/18 M10 STD red	Heavy	Yes	100 pc	416484



Direct Fastening

## Accessories for Decking and Siding

Ordering designation		DX 76-PTR	X-ENP HVB	Sales pack quantity	Item number
Fastener guide X-76-F-10-PTR		■		1 pc	388850
Fastener guide X-76-F-8-GR-PTR		■		1 pc	388852
Fastener guide X-76-F-HVB-PTR		■	■	1 pc	388846
Nail magazine MX 76 PTR assy		■		1 pc	384255
Piston brake X-76-PB-PTR		■		1 pc	385205
Piston X-76-ENP-PTR set		■		1 pc	384257
Piston X-76-P-10-PTR		■		1 pc	388851
Piston X-76-P-8-GR-PTR		■		1 pc	388853
Piston X-76-P-HVB-PTR		■	■	1 pc	388847

