

# Hilti X-GHP Nails

## Submission Folder

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### Customer Hotline

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### Website

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f.	<b>Appearance</b> Not specified	According to the sample submitted
g.	<b>Color +</b> Not specified	NIL
h.	<b>Specification</b> Not specified	Attached
i.	<b>Manufacturer's Catalogue</b> Not specified	Attached
j.	<b>Test Report (Original/Certificated True Copy)</b> Not specified	Attached
k.	<b>Previous Job Reference</b> Not specified	Attached
l.	<b>Supplementary Information</b> Not specified	NIL

For and on behalf of the Contractor

\_\_\_\_\_  
(Quality Control Manager)

<b>CONTRACT MANAGER'S COMMENTS</b>	
To:	
From:	Contract Manager's Representative: _____
On the basis of the sample and information given, the above sample submitted is:	
(1) *	<b>Approved.</b>
(2) *	<b>Not approved</b> because _____
_____	
_____	
Remarks:	_____
_____	
_____	
Approval does not alter the requirements of the Contract	
Contract Manager's Representative: _____	
_____	
Date: _____	

CC. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(\* Delete if appropriate)  
(+ For glass or vitreous mosaic tiles, the contractor is required to confirm the colour range(s) of the submitted sample, i.e. a) light and or medium; or b) dark)

# Gas-driven fastening system

## GX 120

Step on the gas



### Applications

- Versatile fastening tool for the drywall installation trade-no battery to charge
- Fastening to concrete, plastered masonry, sand-lime block, concrete block and steel

### Advantages

- Ruggedly built, perfectly balanced, lightweight and reliable, high-performance fastening
- Gas-driven system-for complete independence from electric supplies and no need to ever charge batteries
- World's first ever gas gauge indicates how much gas is left at any time-avoids running out of gas unexpectedly
- Slim, streamlined design for easy access even in tight corners and narrow tracks
- Ergonomically designed, air-cushioned grip zone for high working comfort
- More efficient due to gas capacity of 750 fastenings and 40-nail magazine
- Easily adjustable tool nose with one level for optimum fastening quality
- Excellent performance at very low temperatures

### Technical data












GX 120	
Fastenings per hour	1200
Power source	Gas can for 750 nails (supplied with the nails)
Power	96 J
Pin range	14 mm to 39 mm
Magazine capacity	40 nails (+3)
Weight	3.8 kg
Dimensions (L x W x H)	431 x 134 x 392 mm



### Ordering

Order designation	Package content	Item No.
GX 120 gas-driven fastening tool with 40-nail magazine	Supplied in an impact-resistant plastic toolbox with attachable support leg, tool support, nail punch set, ear protectors, safety glasses, cleaning cloth and operating instruction manual.	00274638

## Accessories

Order designation		GX 120	Item No.
GX-120 tool case Type 39		■	00274005 ★
GX 120 tool nose X-120 TN		■	00039535 ★
GX 120 plug holder (Platon) X-120 PHP		■	00039540 ★
GX 120 plug holder (Delta) X-120 PHD		■	00039545 ★
GX 120 washer holder X-120 WH		■	00039619
GX 120 nail punch set X-120 NP set		■	00039552 ★
GX 120 tool support X-120 TS		■	00039548 ★
GX 120 40 nail magazine X-120 GM 40		■	00039546 ★
GX 120 20 nail magazine X-120 GM 20		■	00388798 ★
GX 120 support leg X-120 SL		■	00039550 ★
R 23.5 (0.8 mm) washer		■	03437589

**6**

## Fastener and gas can combo program



Package content: 750 pins and 1 gas can GC 21

Nail length (mm)	Suitable base materials	Order designation	Item no.
14	Steel	<b>X-EGN 14MX Combo</b>	03445241
18	Hard concrete	<b>X-GHP 18MX Combo</b>	03445283
20	Hard concrete	<b>X-GHP 20MX Combo</b>	03471501
20	Concrete, block, masonry	<b>X-GN 20MX Combo</b>	03445284
27	Concrete, block, masonry	<b>X-GN 27MX Combo</b>	03445393
32	Concrete, block, masonry	<b>X-GN 32MX Combo</b>	03445396
39	Concrete, block, masonry	<b>X-GN 39MX Combo</b>	03445397



Package content: 750 pins, 750 R23.5(0.8mm) washer and 1 gas can GC 21

Washer holder X-120 WH is required to hold the washer

Nail length (mm)	Suitable base materials	Order designation	Item no.
20	Concrete, block, masonry	<b>X-GN 20MX Mesh Combo</b>	03465383
20	Hard concrete	<b>X-GHP 20MX Mesh Combo</b>	03472765



## Gas can pack

Description	Package content	Order designation	Item no.
<b>Gas can for 750 fastenings</b>	1 gas can, 1 valve head	<b>GC21</b>	<b>00038865 ★</b>

	Brick plastered masonry	Sand lime stone	Concrete block	Standard concrete	Hard / precasted concrete	Steel
X-EGN steel nail Length: 14 mm						●
Special X-GHP nail Length: 18, 20 mm				●	●	
Special X-GN nail Length: 20, 27, 32, 39 mm	●	●	●	●		

## GX 100 GAS System Fastener and gas can combo program

Package content: 750 pins (in strips of 10), 1 gas can, 1 valve head

Nail length (mm)	Suitable base materials	Order designation	Item no.
14	Steel	<b>X-EGN 14MX Combo</b>	03440232
18	Hard concrete	<b>X-GHP 18MX Combo</b>	03440403
20	Concrete, block, sand limestone	<b>X-GN 20MX Combo</b>	03440404
27	Concrete, block, sand limestone	<b>X-GN 27MX Combo</b>	03440405
32	Concrete, block, sand limestone	<b>X-GN 32MX Combo</b>	03440406
39	Concrete, block, sand limestone	<b>X-GN 39MX Combo</b>	03440407

## Mesh Nail combo program



Package content: 750 pins, 750 R23.5 (0.8mm) washer and 1 gas can GC 11





Nail length (mm)	Suitable base materials	Order designation	Item no.
20	Concrete, block, masonry	<b>X-GN 20 MX Mesh Combo</b>	03440410



## Gas can pack

Description	Package content	Order designation	Item no.
<b>Gas can for 750 fastenings</b>	1 gas can, 1 valve head	<b>GC11</b>	<b>00387624 ★</b>

## Accessories

Order designation	GX 100	Item No.
<b>40 nail magazine X-GM40</b> 	■	00378586 ★
<b>Support leg</b> Attachable for better tool stability X-100 SL	■	00378587 ★
<b>Tool nose X-100 TN</b> 	■	00378588 ★
<b>Washer holder X-WH 100 m</b> 	■	00284483 ★
<b>R 36 (0.6 mm) washer (pack of 500) R 36 0.6</b> 	■	00284534 ★

# Gas-driven fastening system GX 120-ME

Easy to use and dependable



### Applications

- Fastening jobs of many kinds in the electrical and mechanical trades
- Fastening to concrete, plastered masonry, sand-lime block, concrete block and steel

### Advantages

- Ruggedly built, perfectly balanced, lightweight and reliable, high-performance fastening tool
- First ever gas gauge-no surprise due to empty gas can
- Gas-driven-system-for complete independence from electric supplies. No battery to charge
- Slim, streamlined design for optimum accessibility
- Trouble-free starting, even at temperatures below freezing

<b>HILTI</b> <b>LIFETIME SERVICE</b>	<b>2</b> Years NO COSTS
Lifetime REPAIR COST LIMIT	Lifetime MANUFACTURERS WARRANTY

**HILTI**

**FLEET MANAGEMENT**

### Technical data

GX 120-ME	
<b>Power source</b>	Gas can for 750 nails (supplied with the nails)
<b>Contact pressure</b>	120 N
<b>Length</b>	431 mm
<b>Magazine capacity</b>	20 nails
<b>Weight</b>	3.8 kg











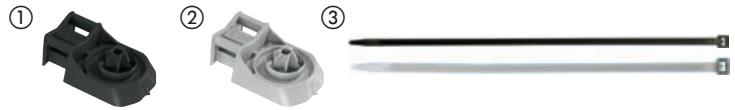
### Ordering

Order designation	Package content	Item No.
<b>GX 120-ME gas actuated tool kit</b>	GX 120-ME tool in an impact-resistant plastic toolbox with attachable support leg, nail punch set, tool support, ear plugs, safety glasses, cleaning cloth and operating instruction manual.	<b>00274898 ★</b>



## Accessories

Order designation	GX 120-ME	Item No.
GX 120-ME tool case Type 39		■ 00274005 ★
GX 120-ME tool nose X-120-ME TN		■ 00039536
GX 120-ME magnetic washer holder X-120 WH		■ 00039619
GX 120-ME nail punch set X-NP set		■ 00039552 ★
GX 120-ME tool support X-120 TS		■ 00039548 ★
GX 120-ME 40 nail magazine X-120 GM 40		■ 00039546 ★
GX 120-ME 20 nail magazine X-120 GM 20		■ 00388798 ★
GX 120-ME support leg X-120 SL		■ 0039550 ★



## Cable tie fastener

Description	Max wide (mm)	Package content	Ordering designation	Item no.
Cable tie fastener 100X-ECT UV MX	9	100	X-ECT UV MX	① 00285710 ★
Cable tie fastener 100X-ECT FR MX	9	100	X-ECT FR MX	② 00285711 ★
Cable tie fastener X-ECT...			X-ECT...	③ 00000000 ★

## Cable clamps



Permits simple cable retrofitting and tightening

Description	Tankage cable Ø 6 (mm)	Tankage cable Ø 8 (mm)	Package content	Order designation	Item no.
Cable clamps	4	2	100	X-EKB 4 MX	00285712
Cable clamps	8	5	100	X-EKB 8 MX	00285713 ★
Cable clamps	16	10	50	X-EKB 16 MX	00285714 ★
Cable clamps	4	2	100	X-EKB FR 4 MX	00285715 ★
Cable clamps	8	5	100	X-EKB FR 8 MX	00285716 ★
Cable clamps	16	10	50	X-EKB FR 16 MX	00285717 ★

## Universal washer for trunking and junction boxes



Innovative fastener design prevents cracked trunking and junction boxes.

Description	Package content	Order designation	Item no.
Universal washer	250	X-ET MX	00285718

## Snap-in conduit clip



Fasten closed clip on: simple and clean fastening solution for metric electrical pipes with Ø 16 - 40 mm.

Description	Pie Ø (mm)	Package content	Order designation	Item no.
Snap-in conduit clip	16	100	X-EKS 16 MX	00285719
Snap-in conduit clip	20	100	X-EKS 20 MX	00285720
Snap-in conduit clip	25	100	X-EKS 25 MX	00285721
Snap-in conduit clip	32	100	X-EKS 32 MX	00285722
Snap-in conduit clip	40	100	X-EKS 40 MX	00285723 ★

## Closed snap-in conduit clip



Description	Pie Ø (mm)	Package content	Order designation	Item no.
Closed Snap-in conduit clip	16	100	X-EKSC 16 MX	00274083 ★
Closed Snap-in conduit clip	20	100	X-EKSC 20 MX	00274086 ★
Closed Snap-in conduit clip	25	100	X-EKSC 25 MX	00274087 ★

## Metal conduit clip



Bracing rib guarantees high stability and excellent holding power

Description	Pie Ø (mm)	Package content	Order designation	Item no.
Metal conduit clip	7-8	100	X-FB 8 MX	00286797 ★
Metal conduit clip	10-11	100	X-FB 11 MX	00286798 ★
Metal conduit clip	15-16	100	X-FB 16 MX	00286799
Metal conduit clip	19-20	100	X-FB 20 MX	00286800
Metal conduit clip	21-22	100	X-FB 22 MX	00286801 ★
Metal conduit clip	24-25	100	X-FB 25 MX	00286802
Metal conduit clip	27-28	100	X-FB 28 MX	00286803 ★
Metal conduit clip	31-32	100	X-FB 32 MX	00286804
Metal conduit clip	39-40	100	X-FB 40 MX	00286805 ★

## Double metal conduit clip



Description	Pie. Ø (mm)	Package content	Order designation	Item no.
Double metal conduit clip	15-16	100	X-DFB 16 MX	00273383 ★
Double metal conduit clip	19-20	100	X-DFB 20 MX	00273384 ★
Double metal conduit clip	21-22	100	X-DFB 22 MX	00273385 ★
Double metal conduit clip	24-25	100	X-DFB 25 MX	00273386 ★
Double metal conduit clip	27-28	100	X-DFB 28 MX	00273387 ★

## Threaded rod hanger



Description	Package content	Order designation	Item no.
Threaded rod hanger	100	X-HS M4 MX	00273367 ★
Threaded rod hanger	100	X-HS M6 MX	00272073 ★
Threaded rod hanger	100	X-HS M8 MX	00273368

## Ceiling clip



Description	Package content	Order designation	Item no.
Ceiling clip	100	X-CC MX	00228342

## Stand off metal conduit clip



Description	Package content	Order designation	Item no.
Stand off metal conduit clip	200	X-EMTC 1/2" MX	00228335 ★
Stand off metal conduit clip	200	X-EMTC 3/4" MX	00228336 ★
Stand off metal conduit clip	200	X-EMTC 1" MX	00228337 ★
Stand off metal conduit clip	100	X-EMTC 1/2" MX	00228338 ★
Stand off metal conduit clip	100	X-EMTC 3/4" MX	00228339 ★
Stand off metal conduit clip	100	X-EMTC 1" MX	00228340 ★

## Fastener and gas can combo program

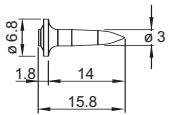


Package content: 750 pins and 1 gas can GC 21

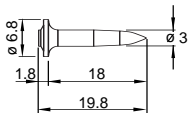
Nail length (mm)	Suitable base materials	Order designation	Item no.
14	Steel	X-EGN 14MX Combo	03445241
18	Hard concrete	X-GHP 18MX Combo	03445283
20	Hard concrete	X-GHP 20MX Combo	03471501
20	Concrete, block, masonry	X-GN 20MX Combo	03445284
27	Concrete, block, masonry	X-GN 27MX Combo	03445393
32	Concrete, block, masonry	X-GN 32MX Combo	03445396
39	Concrete, block, masonry	X-GN 39MX Combo	03445397

**GX Drywall Fasteners X-EGN, X-GPH, X-GN****Product data****Dimensions**

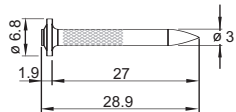
X-EGN 14



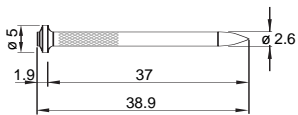
X-GPH 18



X-GN 20/27/32



X-GN 39

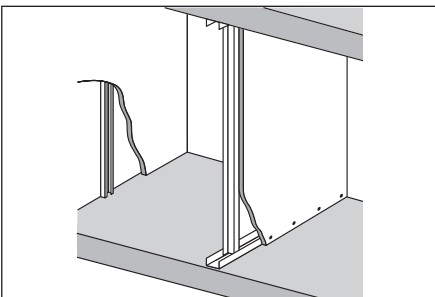
**General information**Material specification

Carbon steel shank:	<b>X-EGN</b>	HRC 58
	<b>X-GPH</b>	HRC 58
	<b>X-GN</b>	HRC 53.5

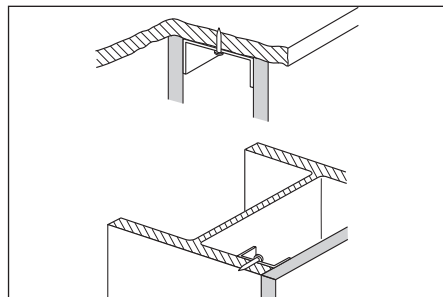
Zinc coating: 2–8 µm

Fastening tool**GX 120, GX 120-ME****GX 100, GX 100 E**ApprovalsICC (USA): **X-GN 20/27/32, X-EGN 14**

Note: Technical data presented in these approvals and design guidelines reflect specific local conditions and may differ from those published in this handbook.

**Applications**Examples

Drywall tracks to concrete

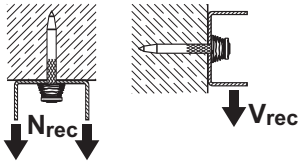


Drywall tracks to steel

### Load data

#### Design data

##### Recommended loads



**Concrete**

$N_{rec} = V_{rec} = 400 \text{ N}$  for  $h_{ET} \geq 27 \text{ mm}$   
 $300 \text{ N}$  for  $h_{ET} \geq 22 \text{ mm}$   
 $200 \text{ N}$  for  $h_{ET} \geq 18 \text{ mm}$   
 $100 \text{ N}$  for  $h_{ET} \geq 14 \text{ mm}$

**Steel**  $N_{rec} = V_{rec} = 400 \text{ N}$

Design conditions:

- Minimum 5 fastenings per fastened unit
- All visible failures must be replaced

#### Test data

Important note: Test data are for information only and can't be used for design. These data are examples and not representing the whole range of applications and load cases.

Design data for Hilti standard nails in concrete are based on a specific statistical evaluation method taken into consideration high variation coefficients. The evaluation procedure is described within section **Direct Fastening Technology** of this manual. For more detailed information please contact Hilti.

#### Load capacity of the nails:

##### Fastenings to concrete

Nail	Average Tensile failure load $N_{u,m}$ [kN]	Scatter %	Embedment depth $h_{ET}$ [mm]	Concrete strength $f_{cc}$ [N/mm <sup>2</sup> ]
X-GHP 20 MX	1.61	52.0	14.0	52.2
X-GN 27 MX	1.91	47.1	19.2	23.7

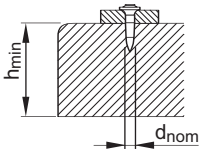
##### Fastenings to steel

Nail	Average Tensile failure load $N_{u,m}$ [kN]	Scatter %	Embedment depth $h_{ET}$ [mm]	Steel thickness $t_{II}$ [mm]	Steel strength $f_u$ [N/mm <sup>2</sup> ]
X-EGN 14 MX	3.62	13.7	8.6	6	543

**Application requirements**

**Thickness of base material**

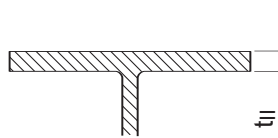
Concrete



$h_{min} = 60 \text{ mm}$

( $d_{nom} = 3.0 \text{ mm}$ )

Steel



$t_{II} \geq 4 \text{ mm}$

**Thickness of fastened material**

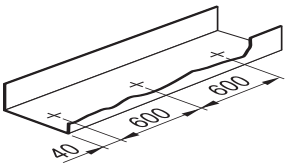
Wooden track:  $t_I \leq 24 \text{ mm}$

Metal track:  $t_I \leq 2 \text{ mm}$

**Spacing and edge distances (mm)**

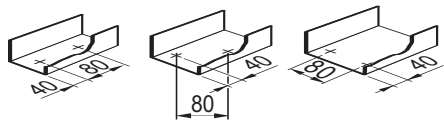
Spacing along track

(per U.S. Gypsum Handbook)

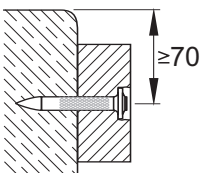


All track ends (cut-outs for doors),

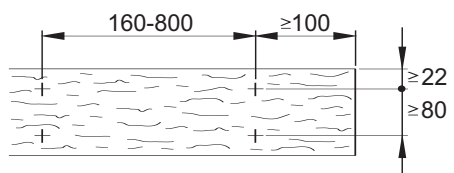
secure with 2 nails



Distance to edge of concrete /  
sand lime masonry



Fastener spacings on wood:



**Corrosion information**

The intended use only comprises fastenings which are not directly exposed to external weather conditions or moist atmospheres. For further detailed information on corrosion see corresponding chapter in section **Direct Fastening Technology**.

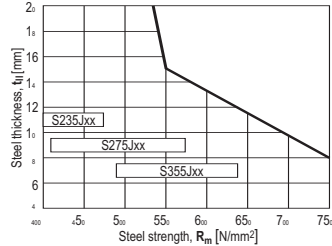
### Recommended setting range

#### Concrete

No general restrictions existent.  
Limitations are depending on application  
and user requirements.

Working beyond the recommended  
application range will lead to an increase of  
the failure rate.

#### Steel



#### X-EGN 14

### Fastener selection and system recommendation

#### Fastener selection

Fastening to concrete / sand lime masonry

	Application	Base material	 Increasing strength
<b>X-GN 39</b>	Wooden track ( $t_f \leq 24$ mm)	Concrete/sand lime masonry	
<b>X-GN 27</b>	Metal track	Concrete/sand lime masonry	
<b>X-GN 20</b>	Metal track	Concrete/sand lime masonry	
<b>X-GHP</b>	Metal track	Concrete/sand lime masonry	

Fastening to steel

	Application
<b>X-EGN 14</b>	Metal track

#### System recommendation

	Item no.	$L_s$ [mm]	$L$ [mm]	$d_{nom}$ [mm]
<b>X-EGN 14 MX</b>	340231	14	15.8	3.0
<b>X-GHP 18 MX</b>	340228	18	19.8	3.0
<b>X-GN 20 MX</b>	340232	19	20.9	3.0
<b>X-GN 27 MX</b>	340230	27	28.9	3.0
<b>X-GN 32 MX</b>	340233	32	33.9	3.0
<b>X-GN 39 MX</b>	340234	37	38.9	2.6

Tool and gas can

Designation

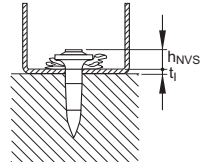
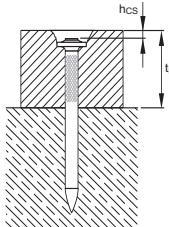
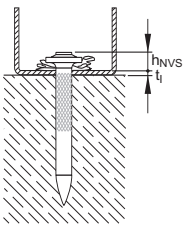
<b>GX 120 / GX 120 ME</b>	with gas can GC 22
<b>GX 100 / GX 100 E</b>	with gas can GC 11 and GC 12( for USA)

**Fastening quality assurance**

**Fastening inspection**

Fastening to concrete / sand lime masonry

Fastening to steel



**X-GN/GHP:  $h_{NVS} = 2-5$  mm**

**X-GN 39:  $h_{NVS} = 2-3$  mm**

**X-EGN 14:  $h_{NVS} = 4-7$  mm**



Hilti (Hong Kong) Limited  
17/F, Tower 6,  
China Hong Kong City,  
33 Canton Road,  
Tsimshatsui,  
Kowloon.

4 June, 1997

Attention: Mr. Denny Wu

Dear Sir,

**Procedures for building materials submission**

I refer to your letter dated 19 May, 1997 concerning the above.

2. Please be advised that there is no provision under the Buildings Ordinance for the Building Authority to approve any proprietary building products. Under the Buildings Ordinance, authorized persons and/or registered structural engineers are required to supervise building works including the selection and installation of proprietary building products and to certify compliance with the Buildings Ordinance upon completion of works. They are therefore responsible for ensuring the health and structural safety requirements, inter alia, of these building products in the building projects which they have been appointed by the developer to co-ordinate and supervise. It is also their responsibility to ensure these products have been installed in accordance with the manufacturers' specifications and complied with the Buildings Ordinance and Regulations.

3. In establishing the acceptability of the proprietary products in building works, reference may be made to the performance standards laid down in Building (Construction) Regulations 1990 and the current Practice Note for Authorized Persons and Registered Structural Engineers 140 in which performance requirements for compliance are given. Reliance may also be placed on the test/assessment report prepared by a recognized laboratory or an equivalent establishment.

4. Before the proprietary products are installed in a building project, the authorized person and/or registered structural engineer appointed for the project should be approached by the manufacturers or their agents for advice and guidance. **Prior approval/acceptance from the Buildings Department is not required.**

5. Generally, all relevant information supporting the use of the proprietary products in building works under the Buildings Ordinance should be submitted associated with the prescribed plans for approval on project basis.

/ Notwithstanding....

- 2 -

6. Notwithstanding the above, the proprietary building products to which 'No objection' letters have been given are still recognized as accepted constructional materials to be used in building works under the Buildings Ordinance provided that all conditions specified in the letters are satisfied. You are informed that the procedures currently adopted by the Building Authority for processing statutory approval of plans which involve the use of these proprietary building products remain unchanged.

7. It is a fact that the 'No objection' letter giving general acceptance to a proprietary building product is based on the technical information submitted to this Department at the time of its application. Should there be any significant modification to these technical information, the product will certainly be considered as 'new' product. The acceptability of such proprietary product in building works should be evaluated by the authorized person and/or registered structural engineer appointed for the project as mentioned above.

8. Should you have any further queries to the above, please feel free to contact the undersigned or Mr. T.C. Kan of this office at phone no. 2626 1583.

Yours faithfully,



(K.S. Chang)

Technical Secretary/Structural  
for Building Authority

tck/



Attention: To whom it may concern

Date: 17 May 2010  
Ref: 006/DX/AL/10

**Subject: Hilti X-GN / X-EGN / X-GHP nails and GC21 / GC11 Gas Can**

Dear Sir / Madam,

Enclosed please find the information of Hilti X-GN / X-EGN / X-GHP nails and GC21 / GC11 Gas Can.

Brand: Hilti  
Model: X-GN / X-EGN / X-GHP nails and GC21 / GC11 Gas Can  
Manufacturer: Hilti Corporation  
Address of Manufacturer: FL-9494, Principality of Liechtenstein  
Supplier: Hilti (Hong Kong) Ltd.  
Address of Supplier: 701-704, 7/F, Tower A, Manulife Financial Center, 223 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Product	Country of Origin	Name of Factory	Address of Factory
X-GN Nail	China	Hilti (China Zhangjiang) Co	Yongping Road South, Zhangjiang Development Zone, 524022 Zhangjiang, Guangdong Province, China
X-EGN / X-GHP Nail	Liechtenstein	Hilti Corporation	FL-9494, Principality of Liechtenstein
GC 21 / GC11 Gas Can	Germany	MoTip Dupli GmbH	Industriestrae 19, 74855 Hamersheim, Germany

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

Yours sincerely,

Alan Lee  
Product Manager

喜利得(香港)有限公司  
**Hilti (Hong Kong) Limited**  
701-704 | 7/F | Tower A  
Manulife Financial Centre | 223 Wai Yip Street  
Kwun Tong | Kowloon | Hong Kong  
T +852 8228 8118 | F +852 2954 1751  
[www.hilti.com.hk](http://www.hilti.com.hk)

# Job/Application Reference

27-Aug-10



<u>Ref No</u>	<u>Date</u>	<u>Project</u>	<u>Contractor</u>	<u>Consulting Engineer</u>	<u>Product</u>	<u>Application</u>
38856	08-09	Oceanus Entertainment Complex	MING SHENG CONSTRUCTION CO. LTD.		Gas nail X-GHP 18 MX	chicken mesh fixing
37678	04-09	Four Seasons Hotel, Macau (Parcel 2)	COMPANHIA DE MATERIAIS DE		Gas nail X-GHP 18 MX	channel fixing for drywall
37388	03-09	The Venetian Casino Resort (Parcel 1)	DECORACOES HONG HOU		Gas nail X-GHP 18 MX	chicken mesh fixing
37385	03-09	One Grantai	LOP HING DECO CO		Gas nail X-GHP 18 MX	chicken mesh fixing
37364	03-09	City of Dreams Resort	DECORACOES HONG HOU		Gas nail X-GHP 18 MX	chicken mesh fixing
36851	02-09	PTM Projects - Hip Hing	TIM YIP ENGINEERING CO		Gas nail X-GHP 18 MX	channel fixing for drywall

# Job/Application Reference

28-Mar-11



<u>Ref No</u>	<u>Date</u>	<u>Project</u>	<u>Contractor</u>	<u>Consulting Engineer</u>	<u>Product</u>	<u>Application</u>
40867	09-10	Shangri-la and Traders HotelsSheraton and St. Regis Hotels (Parcel 5&6)	OCEANO ENGENHARIA		Gas nail X-GHP 18 MX	chicken mesh fixing
40311	09-10	KCRC Tai Wai Depot	WING YIP CEILING ENG CO		Gas nail X-GHP 18 MX	fixing on gypsum panel