



Hilti X-C G3 MX Concrete Nails with GX 3

Submission Folder

Product Information

Gas-actuated fastening tool GX 3 2

Nails and gas can for GX 3 3

Technical Information 4

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Job Reference 16



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Gas-actuated fastening tool GX 3

NEW



APPLICATIONS

- Attaching drywall track to floors, walls and ceilings
- Attaching mesh, membranes or foil with special washer holders
- Attaching wood track to floors, walls and ceilings

ADVANTAGES

- Single power source (gas), no batteries required
- High fastening rate for high productivity and maximum efficiency
- Gas gauge helps avoid running out of gas unexpectedly. Gas can lasts longer: up to 1,200 nails with a GC 42 gas can
- Curved, 40-nail magazine for better accessibility in narrow spaces and deep tracks
- Easy setting depth adjustment and nosepiece removal for clearing nail jams
- Wide range of nails for fastening to a wide variety of materials

Technical data

Power (max.)	100 J
For use with	GC 42
Weight	3.99 kg
Automatic piston return	Yes
Emission noise-pressure level at the work station: LpA, 1s ¹⁾	99 dB (A)
Dimensions (LxWxH)	436 x 132 x 392 mm
Max. fastener driving rate	1200 / h
Temperature resistance - max.	45
Temperature resistance temperature - min.	-10
Fastener intake	40 nails
Fastener length range	14 - 39 mm

¹⁾ Declared measured values of noise characteristics according to 2006/42/EC Machinery Directive in conjunction with E DIN EN 15895



Fleet Management



Order Now



Ordering designation	Package contents	Sales pack quantity	Item number
GX 3	1x Gas-actuated tool GX 3_01, 1x Case	1 pc	2102195

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

GX 3 gas can GC 42



APPLICATIONS

- Power source for the GX 3 fastening tool

ADVANTAGES

- High-pressure gas can for good low temperature performance down to -10°C

Technical data

For use with GX 3

Order Now



Ordering designation	Sales pack quantity	Item number
GC 42	1 pc	2105698

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

Nail combo for use with gas-actuated tool GX 3

Package content: 1200 pins and 1 gas can GC 42



Technical data

For use with GX 3

Order Now



Ordering designation	Fastener shank length	Fastener shank diameter	Sales pack quantity	Item number
X-S 14 G3 MX Combo	14 mm	3 mm	1 pc	3569237
X-P 17 G3 MX Combo	17 mm	3 mm	1 pc	3569238
X-P 20 G3 MX Combo	20 mm	3 mm	1 pc	3569239
X-C 20 G3 MX Combo	20 mm	3 mm	1 pc	3569721
X-C 27 G3 MX Combo	27 mm	3 mm	1 pc	3569722
X-C 32 G3 MX Combo	32 mm	3 mm	1 pc	3569774
X-C 39 G3 MX Combo	39 mm	3 mm	1 pc	3569775

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

GX 3 accessories

Ordering designation	Sales pack quantity	Item number
Washer R23-0.6 Eco	1000 pc	407950
Washer R36-0.6 Eco	1000 pc	407951
Fastener guide X-FG G3	1 pc	2102280 ¹⁾
Fastener guide X-FG G3-ME	1 pc	2102281
Washer holder X-WH G3 magnetic	1 pc	2102283
Pole Tool X-PT 7ft for GX 3	1 pc	3579449
Receptacle X-PT G3	1 pc	2116237
Safety glasses PP EY-CA NCH clear	1 pc	2065449 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

Customer Hotline: Hong Kong 8228 8118, Macau 00800 8228 8118 Email: hksales@hilti.com

GX 3 systems: fasteners for Interior Finishing, Building Construction and Mechanical & Electrical applications

Product data

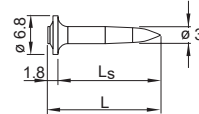
GX 3 gas tool



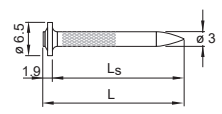
GX 3, GX 3-ME

Nails (For fastening to concrete)

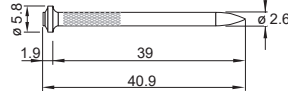
X-P 17/20/24 G3 MX



X-C 20/27/32 G3 MX

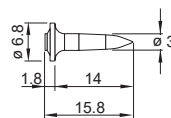


X-C 39 G3 MX



Nails (For fastening to steel)

X-S 14 G3 MX



General information

Material specifications: B3 threaded studs

X-P G3 MX, X-S G3 MX

Carbon steel, HRC 57.5, 2-13 µm zinc coating

X-C G3 MX

Carbon steel, HRC 56.5, 2-13 µm zinc coating

Approvals

ICC-ESR 1752 (USA)

X-P 17/20/24 G3 MX, X-C 20/27/32 G3 MX and X-S 14 G3 MX

IBMB

X-P 17/20/24 G3 MX, X-C 20/27/32/39 G3 MX

ETA-16/0301

X-P 20/24 G3 MX

Applications

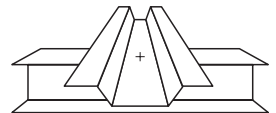
Examples



Drywall tracks



Light-duty building construction applications



Temporary tacking of composite deck to steel beams

Product data

Electrical elements to be used with nails

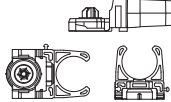
X-ECT MX



X-UCT MX



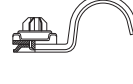
X-EKS MX



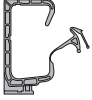
X-EKSC MX



X-FB MX



X-ECH MX



X-DFB MX



X-EKB MX



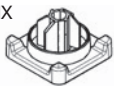
X-ECC MX



X-EHS MX



X-ET MX



X-TT



X-ECT 40 MX



General information

Material specifications

X-ECT MX, X-EKS MX, X-EKSC MX, Polyamide (halogen and silicon-free), light grey RAL 7035
X-EKB MX, X-ECH MX

X-ECT-FR MX, X-EKB-FR MX

PBT (silicon free, flame retardant), stone grey RAL 7030

X-UCT MX, X-ET MX

HDPE (halogen and silicon free), light grey RAL 7035

X-TT

Polyester (PES)

X-FB MX, X-DFB MX

Galvanized steel sheet, $f_U = 270-420 \text{ N/mm}^2$, 10–20 μm zinc coating

X-ECC MX, X-EHS MX

Galvanized steel sheet, $f_U = 270-420 \text{ N/mm}^2$, $\geq 10-20 \mu\text{m}$ zinc coating

Approvals

ICC-ESR 1752 (USA), IBMB, ETA-16/0301

Applications



Conduits and light-duty pipes



Electrical cables

Product data

GX 3 gas tool

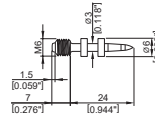


GX 3, GX 3-ME

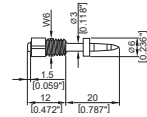
Studs

(For fastening to concrete)

X-M6-7-24 G3 P7

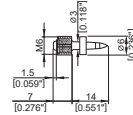


X-W6-12-20 G3 P7

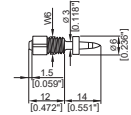


(For fastening to steel)

X-M6-7-14 G3 P7



X-W6-12-14 G3 P7



General information

Material specifications

Carbon steel shank

HRC 57.5

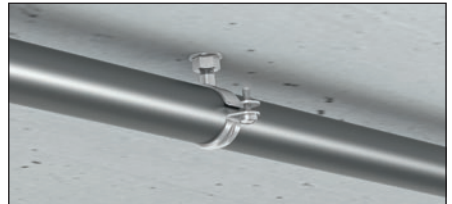
Zinc coating

2-10 µm

Applications



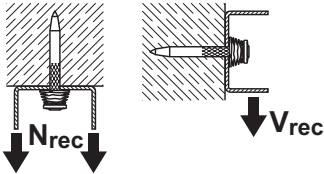
Junction boxes, switch boxes, etc.



Pipe rings for light-duty pipes

Performance data

Performance data for drywall track fastening



X-S 14 G3 MX (Base material: steel)

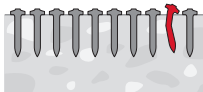
Tension N_{rec} [kN]	Shear V_{rec} [kN]
0.4	0.4

X-P G3, X-C G3 (Base material: concrete / sand-lime masonry)

Embedment [mm]	Recommended Loads [kN]					
	Tension N_{rec}		Shear V_{rec}		Tension N_{rec}	Shear V_{rec}
	Concrete Type				Sand-lime masonry	
	Soft	Tough	Soft	Tough		
≥ 22	-	-	-	-	0.3	0.3
≥ 18	0.2	-	0.2	-	0.2	0.2
≥ 14	0.1	0.1	0.1	0.1	0.1	0.1

Conditions:

- For safety relevant fastenings sufficient redundancy of the entire system is required; Minimum of 5 nails per fastened track. All visible setting failures must be replaced
- Sheet metal failure is not considered in recommended loads and must be assessed separately
- Soft concrete up to $f_{c,cube} = 45 \text{ N/mm}^2$ (C35/45), some tough concrete up to $f_{c,cube} = 60 \text{ N/mm}^2$ (C50/60).
- Concrete with aggregate like granite or river rock or softer, and up to 16 mm diameter



	Stick rate estimation	
	Soft Concrete	Tough concrete
X-P G3	85% – 98%	70% – 85%
X-C G3	75% – 90%	55% – 70%

- The stick rate indicates the percentage of nails that were driven correctly to carry a load. Stick rate can vary from the above values depending on job site conditions.

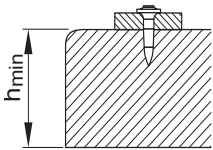
Threaded stud	Recommended loads and tightening torque			Base material
	N_{rec} [kN]	V_{rec} [kN]	T_{rec} [Nm]	
X-M6-7-24 G3 P7	0.05	0.05	3.0	Concrete, sand-lime masonry
X-W6-12-20 G3 P7				
X-M6-7-14 G3 P7	0.2	0.2	3.0	Steel
X-W6-12-14 G3 P7				

Recommended loads (electrical elements used with nails)

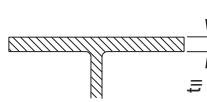
Element	Maximum service load F_{max} [N]
X-ECT (FR) MX	40
X-UCT MX	40
X-EKS MX	11
X-EKSC MX	32
X-FB MX / X-DFB MX	20
X-ECC MX	50
X-EHS MX	80
X-EKB (FR) 4 MX	9
X-EKB (FR) 8 MX	14
X-EKB (FR) 16 MX	18
X-ECH MX	40
	Cable trunking
X-ET MX	100

Application requirements

Thickness of base material



Concrete (for nails and threaded studs)
 $h_{\min} = 60\text{mm}$

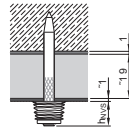


Steel
 $t_{II} \geq 4.0\text{mm}$ (for nails)
 $t_{II} \geq 6.0\text{mm}$ (for threaded studs)

Thickness of fastened material

Wooden track: $t_I \leq 25\text{mm}$

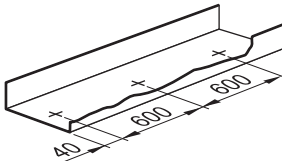
Metal track: $t_I \leq 2\text{mm}$



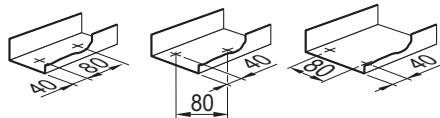
Deflection head:
 $t_{I,\text{tot.}} \leq 21\text{mm}$ (gypsum strip + metal track and sealant)

Spacing and edge distances (mm)

Spacing along track

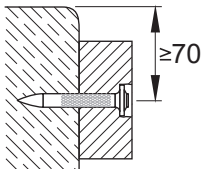


All track ends (cut-outs for doors),
 secure with 2 nails

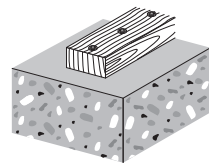
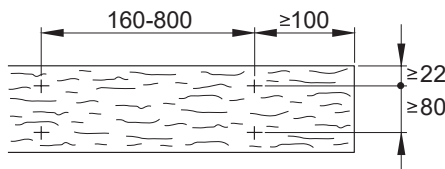


Fastener spacing max. 30 cm for proprietary light non-load-bearing partition walls with fire classification

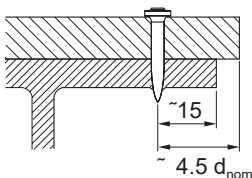
Distance to edge of concrete / sand-lime masonry



Spacing between nails when fastening wood to concrete

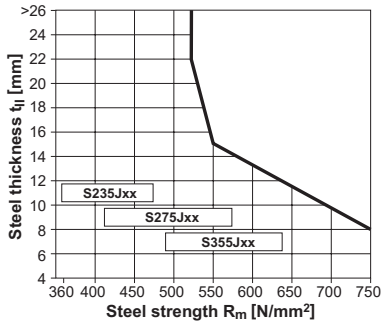


Distance to edge of fastened material (steel base material)

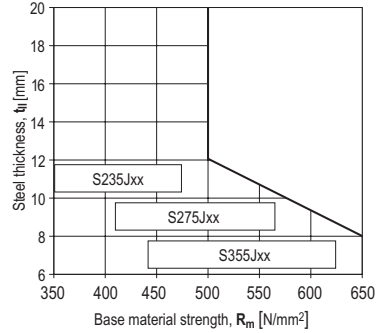


Application limits

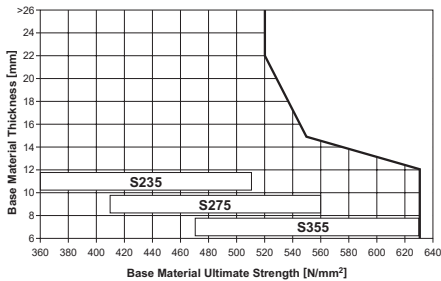
X-S 14 G3 MX



X-M6-7-14 G3 P7, X-W6-12-14 G3 P7



For temporary tacking of composite decks



Design conditions:

- Single layer sheet with a maximum thickness of 1.25 mm.
- Sheeting grade up to S450 acc. to EN 10346.
- Minimum base material thickness: 6 mm
- Minimum steel grade: S235 acc. to EN 10025-2

Corrosion information

The intended use only comprises fastenings which are not directly exposed to external weather conditions or moist atmospheres, i.e. only intended for dry indoor areas.

Fastener selection and system recommendation

Fastener program

Nails

Nail	Item no.	Shank length (mm)	Shank diameter (mm)	Base material	Length recommendation		
X-S 14 G3 MX	2101547	14	3	Steel			
X-P 17 G3 MX	2101046	17	3	Concrete / Sand-lime masonry			Increasing strength of base material Increasing thickness of fastened material
X-P 20 G3 MX	2101047	20	3				
X-P 24 G3 MX	2101048	24	3				
X-C 20 G3 P7	2100955	20	3				
X-C 27 G3 P7	2100956	27	3				
X-C 32 G3 MX	2100957	32	3				
X-C 39 G3 MX	2100958	39	2.8				

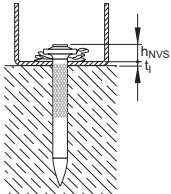
Threaded studs

Threaded studs	Item no.	Thread size	Thread length (mm)	Shank length (mm)	Shank diameter (mm)	Base material
X-M6-7-14 G3 P7	2101052	M6	7	14	3	Steel
X-M6-7-24 G3 P7	2101053	M6	7	24	3	Concrete
X-W6-12-14 G3 P7	2101054	W6	12	14	3	Steel
X-W6-12-20 G3 P7	2101055	W6	12	20	3	Concrete

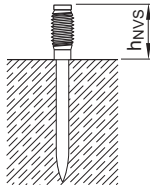
Fastening quality assurance

Fastening inspection

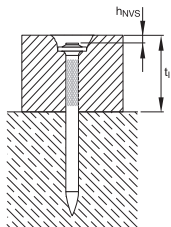
Nails and studs in concrete / sand-lime masonry



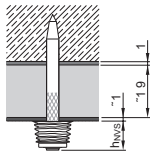
X-P_G3 MX, X-C_G3 MX:
 $h_{NVS} = 2-5 \text{ mm}$



X-M6-7-24 G3 P7
 X-W6-12-20 G3 P7
 $h_{NVS} \geq 7 \text{ mm}$
 $h_{NVS} \geq 12 \text{ mm}$

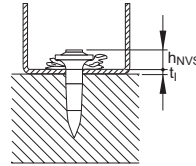


X-P_G3 MX, X-C_G3 MX:
 $h_{NVS} = 2-3 \text{ mm}$

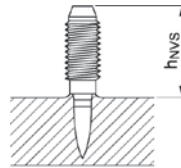


Deflection head
 X-C 39 G3 MX
 12.5 mm board: $h_{NVS} \leq 15 \text{ mm}$
 15 mm board: $h_{NVS} \leq 12 \text{ mm}$
 19 mm board: $h_{NVS} \leq 8 \text{ mm}$

Nails and studs in steel



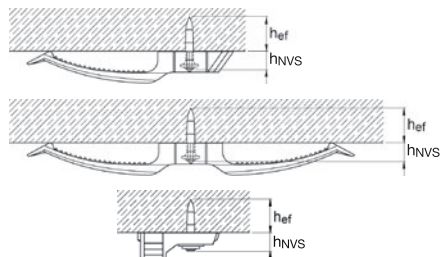
X-S 14 G3 MX:
 $h_{NVS} = 2-9 \text{ mm}$



X-M6-7-14 G3 P7
 X-W6-12-14 G3 P7
 $h_{NVS} \geq 7 \text{ mm}$
 $h_{NVS} \geq 12 \text{ mm}$

Element	h_{NVS} (mm)	
	Concrete	Steel
X-EKB 4/8 MX	6-11	6-9
X-EKB 16 MX	6-11	6-9
X-ECT MX	6-11	6-9
X-UCT MX	6-11	6-9
X-ECH MX	6-11	6-9
X-EKS MX	6-11	6-9
X-EKSC MX	6-11	6-9
X-FB MX	7-11	7-9
X-DFB MX	7-11	7-9
X-ECC MX	7-11	7-9
X-EHS MX	7-11	7-9
X-ET MX*	5-10	5-9

Examples



*) With X-ET MX, the h_{NVS} is measured against the cable trunk.

Attn. : To whom it may concern

Date : 26 September 2023
Ref. : 137/DF/DY/23

Subject : Country of Origin- Hilti X-C G3 MX Nails

Dear Sir / Madam,

Enclosed please find the information of Hilti X-C G3 MX Nails.

Brand Name : Hilti

Model Name : Hilti X-C G3 MX Nails

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 : China

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

Attn. : To whom it may concern

Date : 26 September 2023
Ref. : 138/DF/DY/23

Subject : Country of Origin- Hilti GX 3 Gas-Actuated Fastening Tool

Dear Sir / Madam,

Enclosed please find the information of Hilti GX 3 Gas-Actuated Fastening Tool.

Brand Name : Hilti

Model Name : Hilti GX 3 Gas-Actuated Fastening Tool

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 : Austria

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

Attn. : To whom it may concern

Date : 26 September 2023
Ref. : 139/DF/DY/23

Subject : Country of Origin- Hilti GC 42 Gas Can

Dear Sir / Madam,

Enclosed please find the information of Hilti GC 42 Gas Can.

Brand Name : Hilti

Model Name : Hilti GC 42 Gas Can

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 : Germany

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Yours faithfully,



Dennis Yeung
Head of Product Leadership Strategy, F&P



Hilti X-C G3 MX CONCRETE NAILS (COLLATED) Job Reference

Year	Project Name	Customer Name	Project type
2022	WAN CHAI HOPEWELL CENTRE 2	KEI IP ENGINEERING LIMITED	Hospitality
2022	ORGANIC RESOURCES RECOVERY CENTRE PH2 (W WAI TAI ENGINEERING (H.K.) CO LTD		Utilities
2022	ANDERSON ROAD QUARRY, SITE R2-3	CHINA OVERSEAS BUILDING	Residential
2022	PAK TIN ESTATE PH10 HOUS REDEVELOP	AGGRESSIVE CONSTRUCTION COMPANY	Residential
2022	2 EASTERN HOSPITAL RD - ST PAUL'S HOSPITAL	SHUN TAI CONSTRUCTION WORKS	Health
2022	R6 CTL KLN ROUTE-CENTRAL TUNNEL HY/2018/08	BOUYGUES TRAVAUX PUBLICS	Infrastructure
2022	6-8 LAI YING ST, NKIL 6549	CHINA OVERSEAS BUILDING	Residential
2022	YUEN LONG STATION YLTL 510	SANFIELD (MANAGEMENT) LIMITED	Residential
2022	KING FUK ST, KAI SAN RD & TSAT PO ST, NKIL 6540	PENTA-OCEAN CONSTRUCTION CO. LTD	Community & Cultural
2022	LAI CHO RD HOUSING	AGGRESSIVE CONSTRUCTION COMPANY	Residential
2022	SIU LANG SHUI RD, AREA 49, TMTL 544 - LOGISTICS	CHINA STATE CONSTRUCTION	Industrial
2022	HKUST SHAW AUDITORIUM	PAUL Y. CONSTRUCTION CO LTD	Community & Cultural
2022	HKIA C18W02 ITT TERMINAL	CHUNG HING CONSTRUCTION	Transport
2022	UNITED CHRISTIAN HOSPITAL	CHOI KEE ENGINEERING (H.K.) CO LTD	Health
2023	HKIA C18W02 ITT TERMINAL	CHUNG HING CONSTRUCTION	Transport
2023	SHA TIN SEWAGE TREATMENT WORKS RELOCATIOI	CHINA STATE - ALCHMEX JOINT VENTURE	Infrastructure
2023	ORGANIC RESOURCES RECOVERY CENTRE PH2 (W WAI TAI ENGINEERING (H.K.) CO LTD		Utilities
2023	LEI YUE MUN PUBLIC HOUSING PH4	CHINA STATE CONSTRUCTION	Residential
2023	ANDERSON ROAD QUARRY, SITE R2-2	YAU LEE CONSTRUCTION CO LTD	Residential
2023	R6 CTL KLN ROUTE-CENTRAL TUNNEL HY/2018/08	BOUYGUES TRAVAUX PUBLICS	Infrastructure
2023	HKUST SHAW AUDITORIUM	PAUL Y. CONSTRUCTION CO LTD	Community & Cultural
2024	HKUST SHAW AUDITORIUM	PAUL Y. CONSTRUCTION CO LTD	Community & Cultural
2024	SHA TIN SEWAGE TREATMENT WORKS RELOCATIOI	CHINA STATE - ALCHMEX JOINT VENTURE	Infrastructure
2024	ORGANIC RESOURCES RECOVERY CENTRE PH2 (W WAI TAI ENGINEERING (H.K.) CO LTD		Utilities
2024	R6 CTL KLN ROUTE-CENTRAL TUNNEL HY/2018/08	BOUYGUES TRAVAUX PUBLICS	Infrastructure
2024	HKIA 3508 TERMINAL 2	WAI TAI ENGINEERING (H.K.) CO LTD	Transport
2024	R6 TRUNK ROAD T2 ED/2018/04	BOUYGUES TRAVAUX PUBLICS	Infrastructure