



### DaeGyo Bolt & Fastener

To Be a Global Leader



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## 01

# Company Introduction

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#### 01-01. Company Overview

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#### 01-02. History



June, 98 Founded Daegyo Bolt, Gyeonggi, Ansan HQ

April,02 Established Daegyo Bolt Co..Ltd November, 06 Opened Hwaseong branch

September,09
Partnership with Kofix Co.,Ltd

**December,12**Certificated ISO 9001 & Patent for Heavy Duty Anchor

**December, 16**Secured more than 50 active clients

October,17
Founded Daegyo Fastener
(Subsidiary)

**December,19** Launched Amazon USA

January, 21 Launched on-line mall

**November, 23**Certificated Women enterprise

2024 Registered the trademark 'DaeGyo Bolt'



#### 01-03. Organization Chart



# 02 Product Introduction

02-01. Product Specification

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#### 02-01. Product Specification









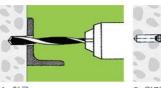
#### Heavy Duty Wedge Anchor

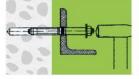
#### Usage

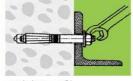
- H-beam structural reinforcement
- Structural Change & Performance improvement
- Use for Concrete material
- Install the structures for plant, railroads, foundations

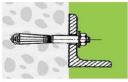
#### **Features**

- High performance to cracked concrete
- Anti-twist with high elasticity plastic sleeves
- Carbon & Bromine materials & Zinc cover
- Prevent exposure with Bolt & Nut-Head type









1 천공

2. 앙카삽입

3. 적정토크 조임

4. 완성



#### 02-02. Product Load & Installation

#### Product Load

Allowable Safety factor 허용안전계수 v=3

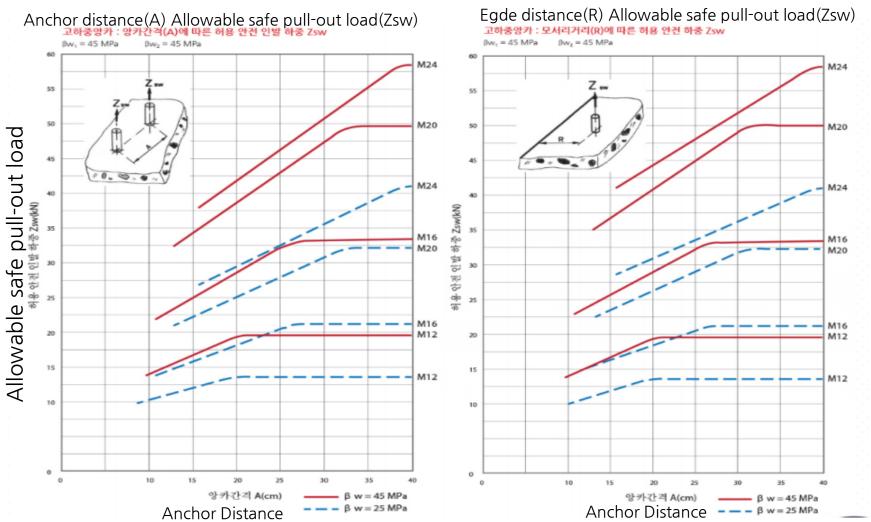
					10000111
	구분	KHA 12	KHA16	KHA20	KHA24
		비균열 ( Uncracked	콘크리트 MPa 25/30-저	항값(kN) ance value	
	인발하중 Z rec(kN)	18,2	26.5	35.4	45.2
추천하중	Pull-Out Load 전단하중 Q recs(kN) Shear Load	39.7	55.3	78.2	98.8
Recommende		균열 콘	크리트 MPa 25/30-저형		
Load	인발하중 Z rec(kN)	12,0 Cracked	Concrete Res	sistance value 23.2	29.3
	Pull-Out Load 전단하중 Q recs(kN)	23,8	32,0	44.5	58,2
	Shear Load				

#### Installation

STANDARD	CODE NO.	Drilling Size(m/m)	Drilling Depth(m/m)	Torque (N.m)	
M12*120	KHA12/25	Ø18	Min 80	80	
M12*145	KHA12/50	Ø16	Min 90	60	
M16*145	KHA16/25	Ø24	Min 110	125	
M16*175	KHA16/50	Ø24	Min 115	125	
M20*175	KHA20/30	Ø20	Ø28 Min 140	200	
M20*200	KHA20/60	<b>Ø</b> 26		200	
M24*200	KHA24/30	Ø32	Min 155	270	

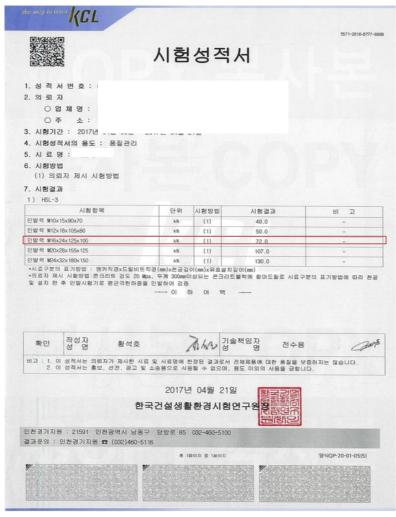


#### 02-02. Product Load & Installation





#### 02-03. Test Report



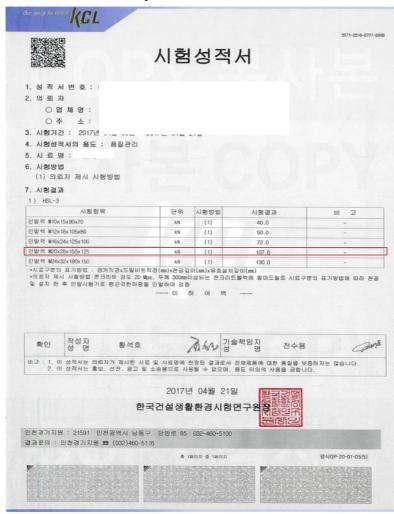
Third Party M16\*145mm / 72kN



DaeGyo M16\*145mm / 81.8kN



#### 02-03. Test Report



Third Party M20\*175mm / 107kN



DaeGyo M20\*175mm / 114.6kN



#### 02-04. Application Cases

Construction Hoist crane





Seismic design

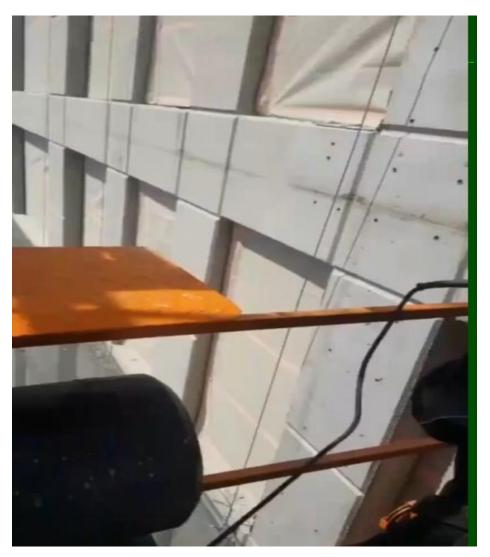






#### 02-04. Application Cases

How to use





#### 02-05. General Materials

Wedge anchor (Elevator)



- Guard rail, Pipes, Handrail, Marble
- Suitable for elevator vibration

STANDARD	드릴비트 크기	유효천공깊이 (m/m)	부착물 최대두께 (m/m)	적정토크 (N.m)	안전하중 (kN)	전단하중 (kN)	극한인발하중 (kN)
M12 × 100	Ø 13	65	10	60	13,2	17,8	30,5
M16 × 125	Ø 16	80	20	110	21,7	29,2	45,7
$M12 \times 100$	Ø 13	65	10	60	13,2	17,8	30,5
M16 × 125	Ø 17	80	20	110	21,7	29,2	45,7

Drop-in anchor



Pin anchor



- Handrail, Gas, Plant
- For use with threaded connection

STANDARD	CODE NO,	천공크기 (m/m)	인발하중 (kN)	전단하중 (kN)
M8 × 35	KBA 0830	10	4,2	4,9
M10 × 40	KBA 1040	12	6,4	7,5
M12 ×50	KBA 1250	15	9,0	10,8

\* Material : Swch10 & stainless steel

Windows & Lightweight

STANDARD	천공크기	인발하중	전단하중
	(m/m)	(kN)	(kN)
KWL 8 X 90	8,0	5,2	7,3

\* Material : Swch10 & Gr10.9T



#### 02-05. General Materials - Bolt Nut Washer

#### **Hex Bolt**

- SS400 / 4.8T Grade
- Common uses
- Electronic galvanizing
- Size: Metric meter / INCH UNF

#### **STS Hex Bolt**

- STS 304 A2-70 / 8.8T Grade
- Excellent for acid and corrosion resistance

#### C/R Hex Bolt

- S45C / 10.9T Grade
- Carbon Steel with heat treatment
- 32~39 Hardness









#### 02-05. General Materials

Hex socket head cap screws

#### Usage

- For mechanical structural and industrial equipment
- 12.9T Grade / 39~44 Hardness
- SPEC: KS B 1003 (Metric) / DIN912
- Black oxide



#### A2-70 Range Bolt

• A2-70: STS 304

Clause	Standard	Act
Tensile strength(N/mnf)	Min 700	850 degree
Yield strength(N/mnf)	Min 450	800 degree
Elongation after Break(d)	Min 0.4	0.5 degree





#### 02-05. General Materials - Screws

- S.D.S Screws
- Blind Rivet



Steel / STS Screws



# 03 Expectations

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#### 03-01. Expectations

#### Time Reduction All-In-One product type Additional parts are unnecessary Time Reduction Seasonal Use Seasonal Use Fast operation possible from time reduction No need to use chemical materials Suitable with Low/High Increase Efficiency temperature and humidity **Increase** Be economical due to the minimized efficiency cost & time Reasonable price than imported

products

Made in Korea Steel

# 04 References

04-01. Certificates

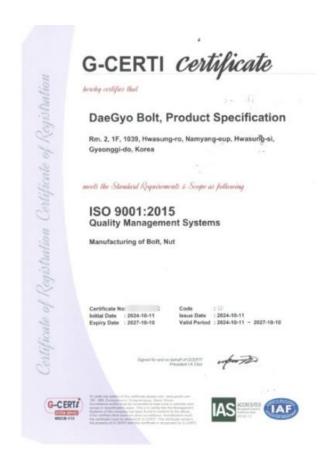
04-02. Equipped machine

04-03.Portfolios & Customers

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#### 04-01. Certificates



ISO9001:2015



실용신안 Model Utility Right



#### 04-02. Equipped Machine









#### 04-02. Equipped Machine







#### 04-03. Portfolios & Customers

E&C



























### Thank You

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