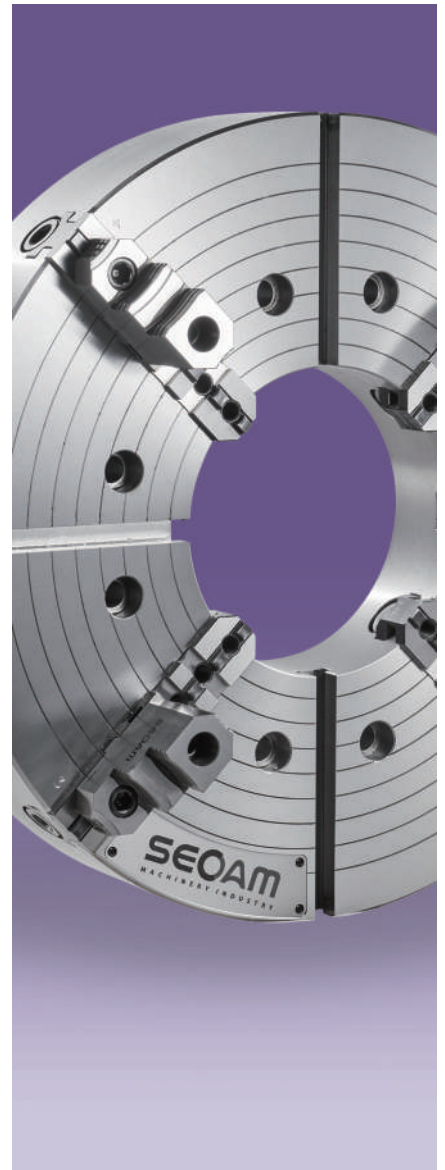




# CHUCK CYLINDER



## HISTORY OF SEOAM

1978. 02.

Establishment of Hwacheon Gear Works Co.,Ltd.

貨泉齒輪株式會社成立  
貨泉ギヤ工業株式會社設立  
화천기어공업주식회사 설립

1980. 04.

Merged with Hwacheon Chuck Co., Ltd.

与貨泉卡盤株式會社合併  
貨泉チャック工業(株)吸収合併  
화천Chuck공업(주)흡수 합병

1986. 07.

Made a contract of technical cooperation with Howa machinery.,Ltd.

与日本HOWA機械签定技術合作合同  
日本 HOWA工業株式會社と技術導入契約  
일본HOWA공업(주)와 기술도입 계약

1992. 02.

Exported Power Chuck to Howa machinery Ltd.

動力卡盤出口至日本HOWA機械  
パワーチャックを日本 HOWA工業株式會社  
Power Chuck 일본 HOWA 수출

1995. 01.

Moved to new factory in Hanam Industrial Complex.

搬遷至河南工業複合區的新工廠  
ハナム工業団地に工場新築移転  
하남공단으로 공장 신축 이전

1996. 12.

Achieved C.E Mark.

獲得歐洲C.E認證  
ヨーロッパ安全規格 C.E マーク取得  
Europe 안전규격 C. E Mark 획득

1997. 12.

Appointed as an excellent company for the cooperation of labor & employer.

獲得最具協作精神的傑出企業稱號(勞動部長官)  
勞使協力優良企業選定(労働大臣)  
노사협력 우량기업 선정(노동부장관)

1998. 09.

Achieved ISO 9001 certificate.

獲得ISO 9001國際質量認證  
ISO 9001 認證 取得  
ISO 9001 인증 획득

1998. 11.

R&D center established.

R&D中心成立  
企業附設研究所設立  
기업부설 연구소 설립

1999. 01.

Exported Power Chuck to germany.

動力卡盤出口至德國  
Power Chuck をドイツへ輸出  
Power Chuck 독일수출

2000. 10.

Changed company name into "SEOAM"

公司更名為瑞岩機械工業株式會社  
貨泉ギヤから 瑞岩機械工業株式會社 に社名を変更  
화천기어에서 서암기계공업(주)로 상호명 변경

2001. 04.

Exported Power Chuck & Cylinder to USA.

動力卡盤和回轉油缸出口至美國  
Power chuck & Cylinder를 미국へ輸出  
Power chuck & Cylinder 미국수출

2001. 05.

Appointed as an excellent medium & small sized company by Prime Minister.

榮獲總理親自授予的傑出中小型企業獎  
模範中小企業人賞受賞(國務總理大臣)  
모범 중소기업인상 수상(국무총리)

2001. 11.

Awarded a prize by president in commemoration of TRADE day.

在商貿節上榮獲總統頒發獎項  
貿易の日大統領賞受賞  
무역의날 대통령상 수상

2003. 05.

Exported Powerchuck & Cylinder to China.

動力卡盤和回轉油缸出口至中國  
Powerchuck & Cylinder를 중국へ輸出  
Powerchuck & Cylinder 중국수출

2004. 01.

Exported Powerchuck & Cylinder to South Africa.

動力卡盤和回轉油缸出口至南非共和國  
Powerchuck & Cylinder를 남아프리카共和國へ輸出  
Powerchuck & Cylinder 남아프리카공화국 수출

2004. 11.

Awarded trophy for exports over US\$3Millions and

awarded recognition from Korea president  
榮獲總統為出口總值超過300萬美元之企業頒發的獎項  
代表理事大統領賞受賞及び300萬ドル輸出達成賞  
대표이사 대통령상 수상 및 300만불 수출탑 수상

2004. 12.

Awarded Materials and Components Technology prize by Minister of Commerce, Industry and Energy.

榮獲工商部、能源部部長頒發的材料及元件科技獎  
産業資源大臣賞(部品素材技術)受賞  
산업자원부 장관상(부품소재 기술상)수상

2005. 11.

Awarded trophy for exports over US\$5Millions and

by Minister of Commerce, Industry and Energy  
榮獲“貿易之日500萬美元出口杯”獎、産業資源部長官獎  
貿易の日500萬ドル輸出達成賞及び産業資源大臣賞受賞  
무역의 날 500만불 수출탑 수상 및 산자부장관상 수상

2006. 01.

Developed high speed Compensating Chuck & Hydraulic Cylinder(8,000rpm)

開發離心力补偿型高速夾頭和高速氣缸(8,000rpm)  
遠心力補償型高速チャック&高速シリンダー開發(8,000rpm)  
원심력 보상형 고속척 & 고속실린더 개발(8,000rpm)

2006. 03.

Awarded a model taxpayer prize by Minister of Finance and Economy

榮獲模範納稅獎項(財政經濟部長官)  
模範納稅者賞受賞(財政經濟大臣)  
모범납세자상 수상(재정경제부장관)

2006. 12.

5patents registered for Compensating Chuck etc.(Korean Intellectual Property Office)

取得車床離心力补偿型動力卡盤等5項專利(專利庁)  
旋盤の遠心力補償型パワーチャック他5件の特許取得(特許庁)  
선반의 원심력보상형 파워척 외 5건 특허획득(특허청)

2007. 04.

Approval components & material company certificate by Minister of Commerce, Industry and Energy

被指定為部品材料專門企業(産業資源部長官)  
部品素材專門企業指定(産業資源大臣)  
부품소재 전문기업 지정(산자부장관)

2008. 11.

Achived Single PPM certificate for Power Chuck and Hydraulic Cylinder

取得單個PPM品質認證(油壓卡盤 & 油壓油缸)  
싱글PPM品質認證取得(パワーチャック&油圧シリンダー)  
싱글PPM 품질인증 획득(유압척 & 유압실린더)

2011. 12.

Stock listed at KOSDAQ

KOSDAQ上市  
KOSDAQ上場  
KOSDAQ 상장

# CONTENTS ▾

- P**OWER CHUCK / 08
- H**YDRAULIC CYLINDER / 40
- M**ANUAL CHUCK / 60
- A**CCESSORIES / 70
- S**PECIAL CHUCK / 78



## AFFILIATE 関連会社 관 계 사

**화천기공주식회사**  
HWACHEON MACHINE TOOL CO.,LTD. 貨泉機工株式会社



**화천기계주식회사**  
HWACHEON MACHINERY CO.,LTD. 貨泉機械株式会社



**티피에스코리아주식회사**  
TPS KOREA CO.,LTD. TPS KOREA株式会社



# POWER CHUCK & HYDRAULIC CYLINDER

*Based on the technical cooperation with HOWA in Japan, we developed power chucks and hydraulic cylinders for the first time in Korea. On top of that, finally, we achieved technology independence by developing world-class SEOAM SERIES, which brings us significant improvement in technology and paves the way for the world-class company.*

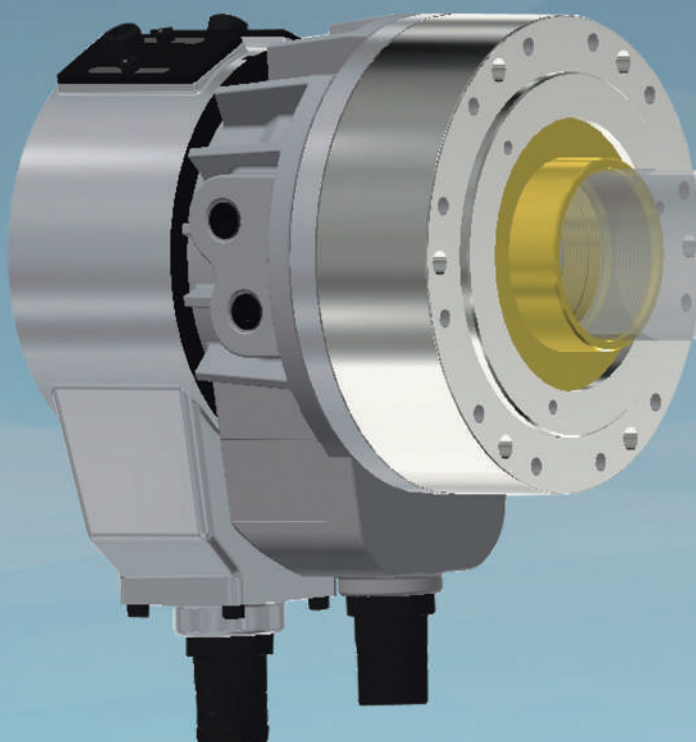
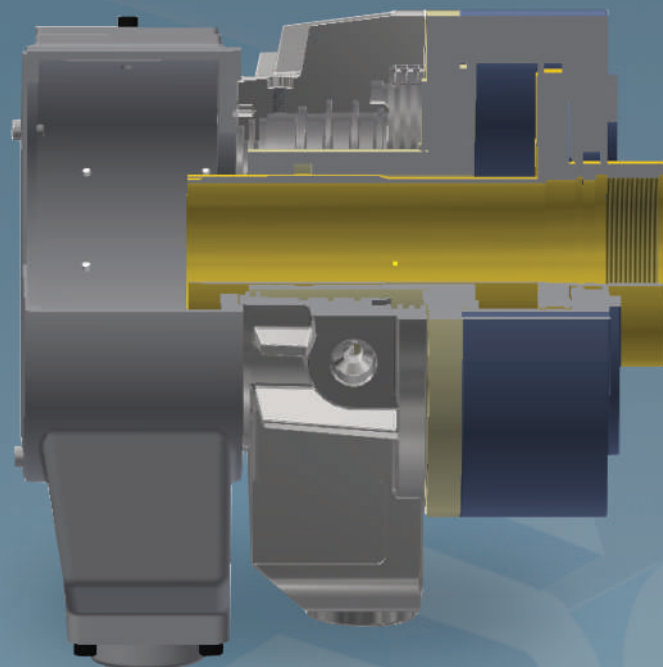
## ■ HYDRAULIC CYLINDER

Compact powerful! Elaboration to go with that power.  
The greatest work created  
with the know-how of 40 year's history  
**SEOAM CYLINDER SERIES!**  
It will give you the best satisfaction

结构紧凑，动力强劲，这是苦心研究带来的成果。  
40年的专业生产技术造就了最伟大的生产工业。  
瑞岩 回转油缸系列会最大化的满足您的需求。

小さくても強い! この強さに似合う精巧さ・  
40年の歴史の精粹を盛って産んだ最高の傑作 SEOAM  
SEOAM CYLINDER SERIES! お客様に確実な満足を提供します。

작지만 큰 힘, 큰 힘과 어울리는 정교함  
40년 역사의 정수를 담아 탄생시킨 최고의 걸작  
**SEOAM CYLINDER SERIES!**  
고객여러분께 확실한 만족을 드립니다.

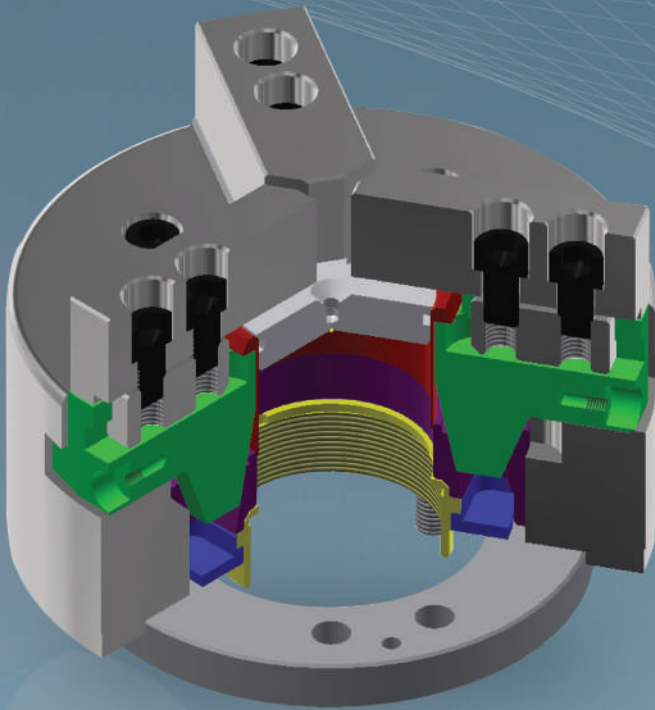




在与日本HOWA进行技术合作的基础上,制了动力卡盘和回转油缸, 瑞岩机械研制出了世界领先的SEOAM系列产品, 这标志着瑞岩机械在科技上的独立以及在科学技术上的显著提高, 并为瑞岩机械成为世界领先的企业奠定基础

日本HOWA工業株式会社の技術提携で弊社はパワーチャックと油圧シリンダーを韓国で最初に開発しました。蓄積した技術力と絶え間ない努力の結果世界最高水準の瑞巖エスシリーズ パワーチャック、油圧シリンダーを独自開発しました。

일본 HOWA 社와의 기술 제휴로 파워척과 유압실린더를 국내 최초로 개발하였고, 이러한 축적된 기술력과 끊임없는 노력의 결과로 세계최고 수준의 SEOAM SERIES 파워척, 유압실린더를 독자 개발하였습니다.



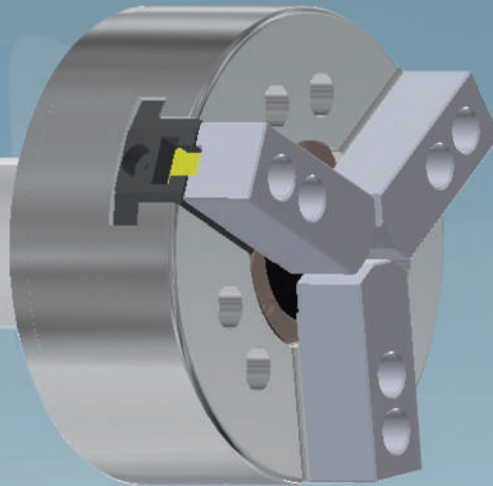
## ■ POWER CHUCK

We created *SEOAM CHUCK SERIES* to be the best in the world with our skills and experience built during a quarter century! You can check its quality yourself.

瑞岩机械以先进的技术, 丰富的经验, 生产出世界一流的SEOAM卡盘系列. 在过去40年的生产过程中, 瑞岩机械一直为客户提供优质产品. 您可以亲自验证本公司产品的优良品质.

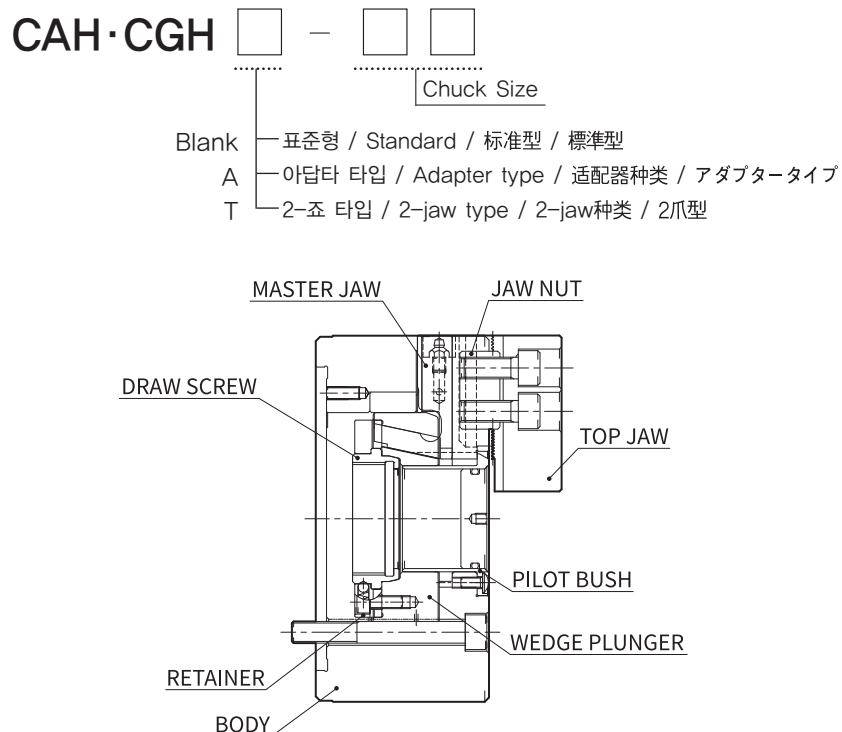
40年間蓄えた技術力と経験を元に世界最高を目指して産んだ SEOAM チャックシリーズ! この品質をご自身でご確認ください

40년 동안 쌓아온 기술과 경험을 바탕으로 세계 최고를 목표로 탄생시킨 *SEOAM CHUCK SERIES!* 그 품질을 직접 확인해 주십시오

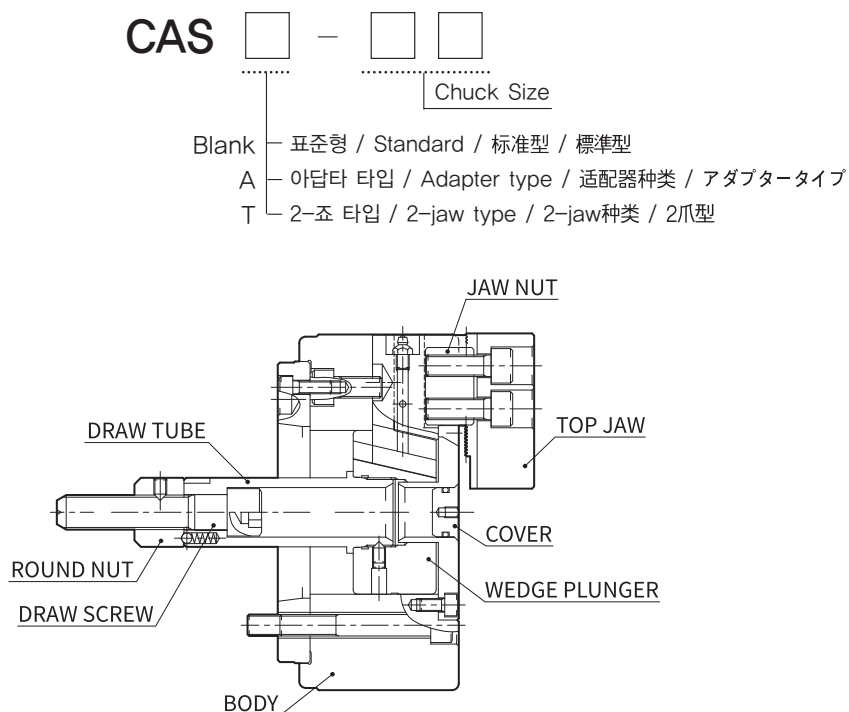


# POWER CHUCK : STRUCTURE & PART NAME

## OPEN CENTER POWER CHUCK : CAH / CGH

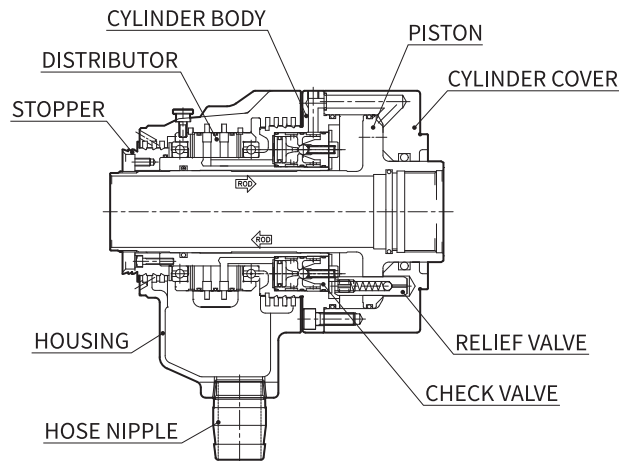
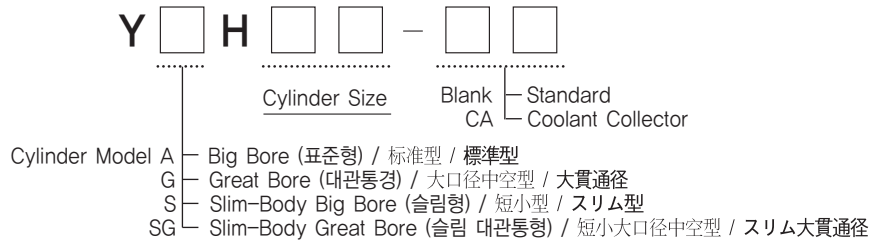


## CLOSED CENTER POWER CHUCK : CAS

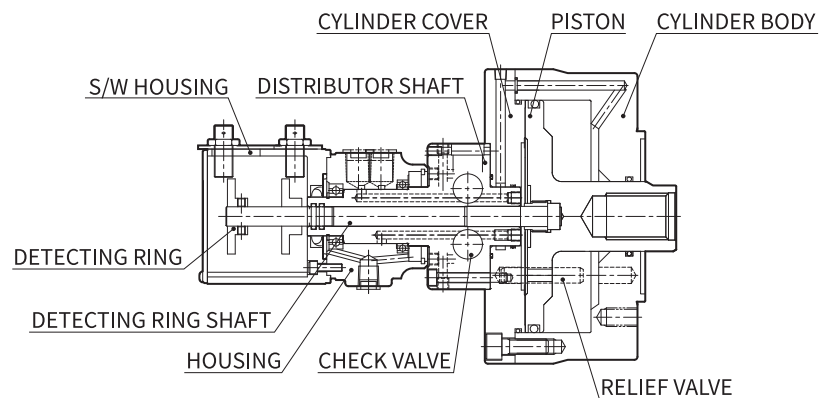
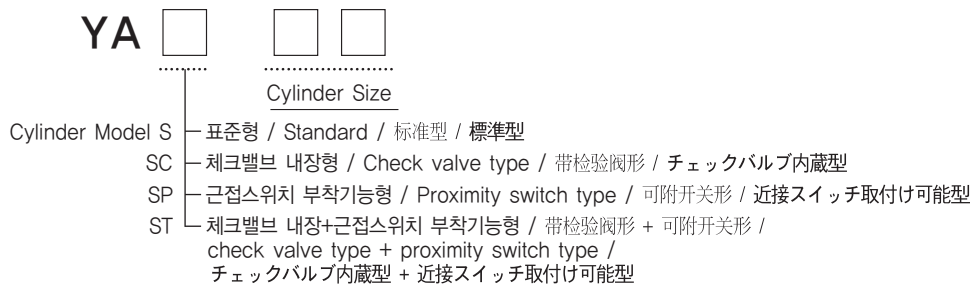


# HYDRAULIC CYLINDER : STRUCTURE & PART NAME

## OPEN CENTER HYDRAULIC CYLINDER : YAH / YGH / YSH / YSGH



## CLOSED CENTER HYDRAULIC CYLINDER : YAS / YASC / YASP / YAST



# SEOAM

## POWER CHUCK

최고라는 자부심으로 최선을 다합니다.

국내 최초로 유압척을 개발하고 발전시켰던 축적된 기술력과 끊임없는 노력으로 높은 파악력과 고속 경량화를 실현한 다양한 시리즈로 고객이 믿고 찾을 수 있는 제품과 서비스를 제공하여 드릴것을 약속 하겠습니다.

서암기계공업주식회사는 “최고의 품질”과 “고 정밀도”를 자랑합니다.

We will make a great effort to get customers satisfaction with self-confidence of the best. Having accumulated technologies by developing own power chuck series for the first time in Korea and continuous improvement efforts, the SEOAM promises to provide world top class quality products and reliable services with various power chuck series directed to realizing high gripping force, high speed with light weight. SEOAM Machinery is proud of the highest quality and precision products.





## CAH

고속중공형 파워척  
BIG BORE POWER CHUCK

10P



## CGHA

대관통경 중공형 파워척  
(아답터 부착형)  
GREAT BORE CHUCK  
(WITH ADAPTER)

20P



## CASD

고속중실형 파워척  
(Direct Mount type)  
CLOSED CENTER POWER CHUCK  
(DIRECT MOUNT TYPE)

30P



## CAHA

고속중공형 파워척  
(아답터 부착형)  
BIG BORE POWER CHUCK  
(WITH ADAPTER)

12P



## CGHT/F

2-조, 4-조 대관통경  
중공형 파워척  
2-JAW, 4-JAW GREAT BORE  
POWER CHUCK

22P



## CASVA

고속중실형 파워척  
(방진 방수형)  
CLOSED CENTER POWER CHUCK  
(DUST PROOF & WATER PROOF)

32P



## CAHT

2-조 고속중공형  
파워척  
2-JAW BIG BORE  
POWER CHUCK

14P



## CAS

고속중실형 파워척  
CLOSED CENTER  
POWER CHUCK

24P



## CAST

2-조 고속중실형 파워척  
2-JAW CLOSED CENTER  
POWER CHUCK

34P



## CAHF

4-조 고속중공형  
파워척  
4-JAW BIG BORE  
POWER CHUCK

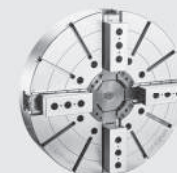
16P



## CASA

고속중실형 파워척  
(아답터 부착형)  
CLOSED CENTER POWER CHUCK  
(WITH ADAPTER)

26P



## CASF-HC

4-조 고속중실형 파워척  
4-JAW CLOSED CENTER  
COMBINATION CHUCK  
(HYDRAULIC+INDEPENDENT)

35P



## CGH

대관통경 중공형  
파워척  
GREAT BORE  
POWER CHUCK

18P



## CAS-HC

고속중실형 파워척  
CLOSED CENTER COMBINATION CHUCK  
(HYDRAULIC+INDEPENDENT)

28P



## C11MB-C13M

3-조 드로우 다운 척  
3-JAW DRAW DOWN CHUCK

36P



## C63MB-C64M

강력요동형 척  
SWING LOCK CHUCK

38P

# CAH

## 고속중공형 파워척

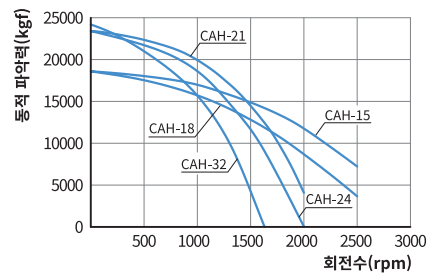
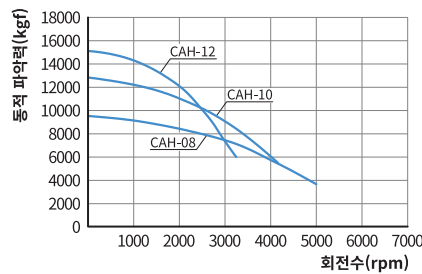
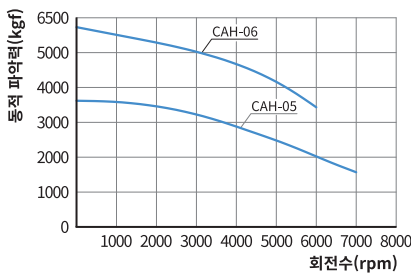
BIG BORE POWER CHUCK

高速中空型パワーチャック / 大通孔动力卡盘



- 높은 파악력 • 고속화 실현 • 경량화 실현 • 내구성 확보
- High Gripping Force • High Speed • Light Weight • Durability
- 高い把握力 • 高速化実現 • 軽量化実現 • 耐久性確保
- 夹紧力强 • 速度快 • 重量轻 • 耐磨损

### Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



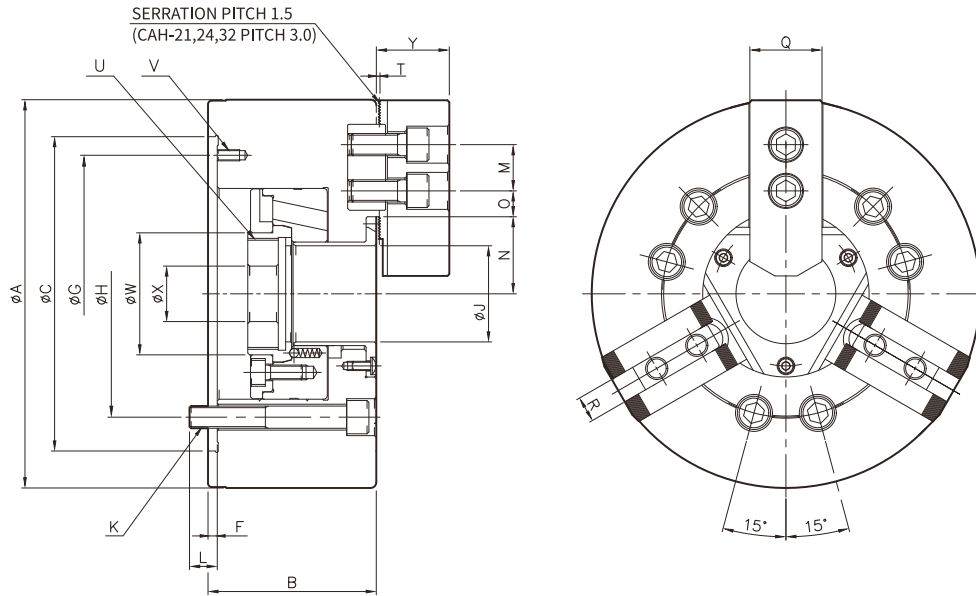
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications/规格/仕様表/ 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose NO.<br>주축규격 | Thru-hole (Diameter)<br>관통경(직경) mm | Jaw stroke (Diameter)<br>조 스트로크(직경) mm | Plunger stroke<br>플런저 스트로크 mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible input force<br>허용 실린더력 KN(kgf) |
|--------------------|-------------------|--------------------------|------------------------------------|----------------------------------------|-------------------------------|------------------------------------------------|--------|-------------------------------------------------|
|                    |                   |                          |                                    |                                        |                               | Max 최대                                         | Min 최소 |                                                 |
| CAH-05             | 1AH05             | -                        | 33                                 | 5.4                                    | 10                            | 135                                            | 10     | 17.5(1784)                                      |
| CAH-06             | 1AH06             | A2-5                     | 46                                 | 5.5                                    | 13                            | 169                                            | 13     | 25(2500)                                        |
| CAH-08             | 1AH08             | A2-6                     | 52                                 | 7.6                                    | 18                            | 210                                            | 11     | 40(4080)                                        |
| CAH-10             | 1AH10             | A2-8                     | 77                                 | 8.5                                    | 20                            | 254                                            | 31     | 50(5100)                                        |
| CAH-12             | 1AH12             | A2-8                     | 91                                 | 10.2                                   | 24                            | 304                                            | 34     | 58(5916)                                        |
| CAH-15             | 1AH15             | A2-11                    | 118                                | 10.6                                   | 23                            | 381                                            | 30     | 71(7240)                                        |
| CAH-18             | 1AH18             | A2-11                    | 118                                | 10.6                                   | 23                            | 450                                            | 30     | 71(7240)                                        |
| CAH-21             | 1AH21             | A2-11, 15                | 140                                | 10.6                                   | 23                            | 530                                            | 87     | 90(9177)                                        |
| CAH-24             | 1AH24             | A2-11, 15                | 165                                | 10.4                                   | 23                            | 610                                            | 110    | 90(9177)                                        |
| CAH-32             | 1AH32             | A2-15, 20                | 240                                | 18                                     | 34                            | 800                                            | 152    | 100(10193)                                      |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력 KN(kgf) | Max.permissible speed<br>최고 사용회전수 r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량(표준소프트 조포함) kg | GD <sup>2</sup><br>Moment of inertia N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching soft jaw<br>적용소프트조 |
|--------------------|------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
| CAH-05             | 36(3671)                                       | 7000                                                        | 6.7                                                     | 0.7(0.071)                                                                  | YSH·YAH-05                 | HJ-04A1                    | SJ-05T1                     |
| CAH-06             | 63(6426)                                       | 6000                                                        | 12.5                                                    | 2.26(0.23)                                                                  | YSH·YAH-06                 | HJ-06T1                    | SJ-06T1                     |
| CAH-08             | 94(9597)                                       | 5000                                                        | 22.3                                                    | 6.67(0.68)                                                                  | YSH·YAH-08                 | HJ-08T1                    | SJ-08T1                     |
| CAH-10             | 125(12740)                                     | 4200                                                        | 34.5                                                    | 12.84(1.31)                                                                 | YSH·YAH-10                 | HJ-10T1                    | SJ-10T1                     |
| CAH-12             | 147(15000)                                     | 3300                                                        | 55.3                                                    | 28.71(2.93)                                                                 | YSH·YAH-12                 | HJ-12A1                    | SJ-12A1                     |
| CAH-15             | 180(18355)                                     | 2500                                                        | 120                                                     | 89.14(9.09)                                                                 | YSH-15                     | HJ-15T1                    | SJ-15A1                     |
| CAH-18             | 180(18355)                                     | 2000                                                        | 164                                                     | 174.6(17.8)                                                                 | YSH-15                     | HJ-15T1                    | SJ-15A1                     |
| CAH-21             | 234(23861)                                     | 1700                                                        | 235                                                     | 351.1(35.8)                                                                 | YSH-15                     | HJ-21B1                    | SJ-21A1                     |
| CAH-24             | 234(23861)                                     | 1400                                                        | 293                                                     | 651.2(66.4)                                                                 | YSH-15                     | HJ-21B1                    | SJ-21A1                     |
| CAH-32             | 240(24464)                                     | 1200                                                        | 530                                                     | 598.4(61)                                                                   | YSH-21                     | -                          | -                           |



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | F | G     | H     | J   | K     | L  | M  | N max | N min |
|-------------------|-----|-----|-----|---|-------|-------|-----|-------|----|----|-------|-------|
| CAH-05            | 135 | 60  | 110 | 4 | 96    | 82.6  | 33  | 3-M10 | 15 | 14 | 26.5  | 23.8  |
| CAH-06            | 169 | 80  | 140 | 5 | 116   | 104.8 | 46  | 6-M10 | 12 | 20 | 33.5  | 30.7  |
| CAH-08            | 210 | 91  | 170 | 5 | 150   | 133.4 | 52  | 6-M12 | 15 | 25 | 41.7  | 37.9  |
| CAH-10            | 254 | 100 | 220 | 5 | 190   | 171.4 | 77  | 6-M16 | 17 | 30 | 54.5  | 50.3  |
| CAH-12            | 304 | 115 | 220 | 6 | 190   | 171.4 | 91  | 6-M16 | 18 | 30 | 67.4  | 62.3  |
| CAH-15            | 381 | 133 | 300 | 6 | 260   | 235   | 118 | 6-M20 | 30 | 43 | 82    | 76.7  |
| CAH-18            | 450 | 133 | 380 | 6 | 320   | 235   | 118 | 6-M20 | 30 | 43 | 82    | 76.7  |
| CAH-21            | 530 | 140 | 380 | 6 | 330.2 | 330.2 | 140 | 6-M22 | 34 | 60 | 98.5  | 93.2  |
| CAH-24            | 610 | 149 | 380 | 6 | 330.2 | 330.2 | 165 | 6-M22 | 32 | 60 | 108.4 | 103.2 |
| CAH-32            | 800 | 150 | 520 | 6 | 463.6 | 463.6 | 240 | 6-M24 | 31 | 38 | 153.5 | 144.5 |

| Item항목<br>Model형식 | O max | O min | P max | P min | Q  | R    | S    | T    | U max    | V     | W   | X  | Y    | Z   |
|-------------------|-------|-------|-------|-------|----|------|------|------|----------|-------|-----|----|------|-----|
| CAH-05            | 19.75 | 7.75  | 1     | -9    | 23 | 10   | 20   | 2    | M40X1.5  | 3-M6  | 45  | 20 | 26   | 54  |
| CAH-06            | 23    | 10    | 12    | -1    | 31 | 12   | 19   | 2    | M55X2.0  | 3-M6  | 60  | 20 | 33   | 72  |
| CAH-08            | 27    | 10    | 16.5  | -1.5  | 39 | 14   | 20.5 | 2    | M60X2.0  | 3-M6  | 66  | 30 | 39   | 95  |
| CAH-10            | 31    | 12    | 9.5   | -10.5 | 44 | 16   | 27   | 2    | M85X2.0  | 3-M8  | 94  | 30 | 46   | 110 |
| CAH-12            | 42    | 12    | 10    | -14   | 50 | 21   | 28   | 2.5  | M100X2.0 | 3-M8  | 108 | 30 | 51.8 | 111 |
| CAH-15            | 43.8  | 18.3  | 11    | -12   | 62 | 22   | 39   | 5    | M130X2.0 | 3-M10 | 139 | 60 | 70   | 165 |
| CAH-18            | 73.8  | 18.3  | 11    | -12   | 62 | 22   | 39   | 5    | M130X2.0 | 3-M10 | 139 | 60 | 70   | 165 |
| CAH-21            | 87.5  | 21.5  | 11    | -12   | 65 | 25   | 39   | 5    | M155X3.0 | 3-M12 | 170 | 80 | 73   | 180 |
| CAH-24            | 117.5 | 21.5  | 20    | -3    | 65 | 25   | 40   | 5    | M175X3.0 | 3-M12 | 187 | 80 | 73   | 180 |
| CAH-32            | 190.6 | 19.5  | 29    | -5    | 75 | 25.5 | 40   | 10.4 | M250X3.0 | 3-M12 | 260 | 80 | 83.6 | 160 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

Model Description/型号说明/型式番号表示/형식번호 표시

CAH □ - □□

Chuck Size

Blank | Standard  
A | adapter type  
T | 2-jaw type

CGH □ - □□

Chuck Size

Blank | Standard  
A | adapter type  
T | 2-jaw type

CAS □ - □□ A□

Chuck Size Spindle Nose

Blank | Standard  
A | adapter type  
T | 2-jaw type  
D | Direct mount type



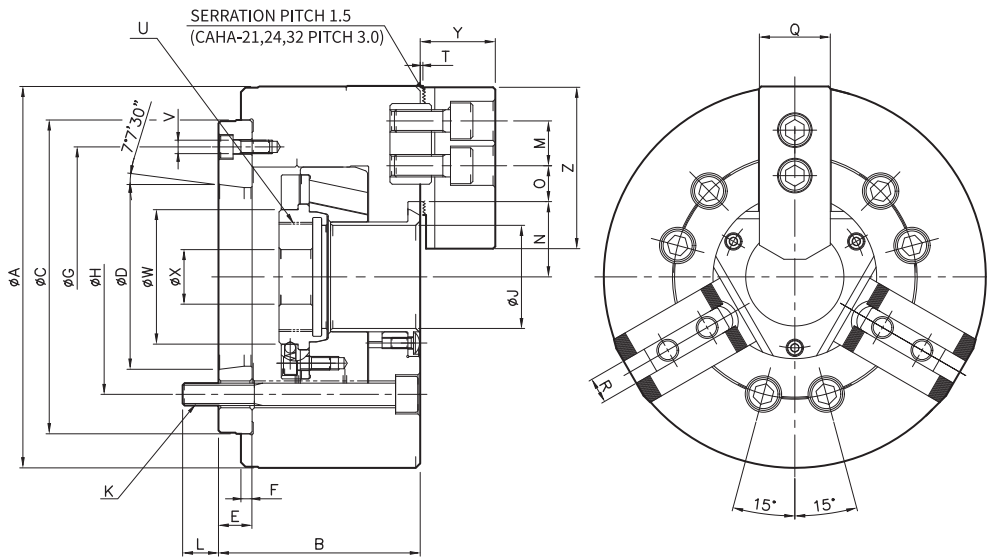
- 고성능 · 고정도 · 아답터 부착형 · 교체시간 단축 · 옵션 부착 용이
- High Performance and High Accuracy · Spindle Direct-Mounting Type · Minimize changing time · Convenient Attachment Option
- 高性能 高精度 · 스피ndl直装型 · 取替え時間短縮 · 便利な取付けオプション
- 性能好, 精度高 · 直接安装型 · 换装方便 · 便于安装选择

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
 ※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

#### Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose NO.<br>주축규격 | Thru-hole<br>(Diameter)<br>관통경(직경)<br>mm | Jaw stroke<br>(Diameter)<br>쥔 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|--------------------------|------------------------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                          |                                          |                                              |                                  | Max 최대                                         | Min 최소 |                                                       |
| CAHA-06            | 1AHA06            | A2-5                     | 46                                       | 5.5                                          | 13                               | 169                                            | 13     | 25(2500)                                              |
| CAHA-08            | 1AHA08            | A2-6                     | 52                                       | 7.6                                          | 18                               | 210                                            | 11     | 40(4080)                                              |
| CAHA-10            | 1AHA10            | A2-8                     | 77                                       | 8.5                                          | 20                               | 254                                            | 31     | 50(5100)                                              |
| CAHA-12            | 1AHA12            | A2-8                     | 91                                       | 10.2                                         | 24                               | 304                                            | 34     | 58(5916)                                              |
| CAHA-15            | 1AHA15            | A2-11                    | 118                                      | 10.6                                         | 23                               | 381                                            | 30     | 71(7240)                                              |
| CAHA-18            | 1AHA18            | A2-11                    | 118                                      | 10.6                                         | 23                               | 450                                            | 30     | 71(7240)                                              |
| CAHA-21            | 1AHA21            | A2-11, 15                | 140                                      | 10.6                                         | 23                               | 530                                            | 87     | 90(9177)                                              |
| CAHA-24            | 1AHA24            | A2-11, 15                | 165                                      | 10.4                                         | 23                               | 610                                            | 110    | 90(9177)                                              |
| CAHA-32            | 1AHA32            | A2-15, 20                | 240                                      | 18                                           | 34                               | 800                                            | 152    | 100(10193)                                            |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량 (표준소프트 죠 포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드쥔 | Matching soft jaw<br>적용소프트쥔 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
|                    |                                                   |                                                                |                                                              |                                                                                |                            |                            |                             |
| CAHA-06            | 63(6426)                                          | 6000                                                           | 13.7                                                         | 2.45(0.25)                                                                     | YSH·YAH-06                 | HJ-06T1                    | SJ-06T1                     |
| CAHA-08            | 94(9597)                                          | 5000                                                           | 23.6                                                         | 6.90(0.71)                                                                     | YSH·YAH-08                 | HJ-08T1                    | SJ-08T1                     |
| CAHA-10            | 125(12740)                                        | 4200                                                           | 40                                                           | 12.65(1.29)                                                                    | YSH·YAH-10                 | HJ-10T1                    | SJ-10T1                     |
| CAHA-12            | 147(15000)                                        | 3300                                                           | 64                                                           | 30.00(3.06)                                                                    | YSH·YAH-12                 | HJ-12A1                    | SJ-12A1                     |
| CAHA-15            | 180(18355)                                        | 2500                                                           | 127                                                          | 93.55(9.54)                                                                    | YSH-15                     | HJ-15T1                    | SJ-15A1                     |
| CAHA-18            | 180(18355)                                        | 2000                                                           | 178                                                          | 187.30(19.1)                                                                   | YSH-15                     | HJ-15T1                    | SJ-15A1                     |
| CAHA-21            | 234(23861)                                        | 1700                                                           | 246                                                          | 362.83(37.0)                                                                   | YSH-15                     | HJ-21B1                    | SJ-21A1                     |
| CAHA-24            | 234(23861)                                        | 1400                                                           | 304                                                          | 660.94(66.4)                                                                   | YSH-15                     | HJ-21B1                    | SJ-21A1                     |
| CAHA-32            | 240(24464)                                        | 1200                                                           | 547                                                          | 598.4(61)                                                                      | YSH-21                     | -                          | -                           |



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | D       | E  | F | G     | H     | J   | K     | L  | M  | Nmax  | Nmin  |
|-------------------|-----|-----|-----|---------|----|---|-------|-------|-----|-------|----|----|-------|-------|
| CAHA-06           | 169 | 90  | 140 | 82.563  | 15 | 5 | 116   | 104.8 | 46  | 6-M10 | 16 | 20 | 33.5  | 30.7  |
| CAHA-08           | 210 | 103 | 170 | 106.375 | 17 | 5 | 150   | 133.4 | 52  | 6-M12 | 18 | 25 | 41.7  | 37.9  |
| CAHA-10           | 254 | 113 | 220 | 139.719 | 18 | 5 | 190   | 171.4 | 77  | 6-M16 | 24 | 30 | 54.5  | 50.3  |
| CAHA-12           | 304 | 127 | 220 | 139.719 | 18 | 6 | 190   | 171.4 | 91  | 6-M16 | 25 | 30 | 62.1  | 56.7  |
| CAHA-15           | 381 | 149 | 300 | 196.869 | 22 | 6 | 260   | 235   | 118 | 6-M20 | 28 | 43 | 82    | 76.7  |
| CAHA-18           | 450 | 149 | 380 | 196.869 | 22 | 6 | 320   | 235   | 118 | 6-M20 | 28 | 43 | 82    | 76.7  |
| CAHA-21           | 530 | 161 | 380 | 285.775 | 27 | 6 | 330.2 | 330.2 | 140 | 6-M22 | 34 | 60 | 98.5  | 93.2  |
| CAHA-24           | 610 | 170 | 380 | 285.775 | 27 | 6 | 330.2 | 330.2 | 165 | 6-M22 | 35 | 60 | 108.4 | 103.2 |
| CAHA-32           | 800 | 186 | 520 | 285.777 | 42 | 6 | 463.6 | 463.6 | 240 | 6-M24 | 31 | 38 | 153.5 | 144.5 |

| Item항목<br>Model형식 | O max | O min | P max | Pmin | Q  | R    | S    | T    | U max    | V     | W   | X  | Y    | Z   |
|-------------------|-------|-------|-------|------|----|------|------|------|----------|-------|-----|----|------|-----|
| CAHA-06           | 23    | 10    | 27    | 14   | 31 | 12   | 19   | 2    | M55X2.0  | 3-M6  | 60  | 20 | 33   | 66  |
| CAHA-08           | 27    | 10    | 33.5  | 15.5 | 39 | 14   | 20.5 | 2    | M60X2.0  | 3-M6  | 66  | 30 | 39   | 86  |
| CAHA-10           | 31    | 12    | 27.5  | 7.5  | 44 | 16   | 27   | 2    | M85X2.0  | 3-M8  | 94  | 30 | 45   | 108 |
| CAHA-12           | 45    | 15    | 28    | 4    | 50 | 21   | 28   | 2    | M100X2.0 | 3-M8  | 108 | 30 | 51   | 111 |
| CAHA-15           | 43.8  | 18.3  | 33    | 10   | 62 | 22   | 39   | 5    | M130X2.0 | 3-M10 | 139 | 60 | 70   | 165 |
| CAHA-18           | 73.8  | 18.3  | 33    | 10   | 62 | 22   | 39   | 5    | M130X2.0 | 3-M10 | 139 | 60 | 70   | 165 |
| CAHA-21           | 87.5  | 21.5  | 38    | 15   | 65 | 25   | 39   | 5    | M155X3.0 | 3-M12 | 166 | 80 | 73   | 180 |
| CAHA-24           | 117.5 | 21.5  | 47    | 24   | 65 | 25   | 40   | 5    | M175X3.0 | 3-M12 | 187 | 80 | 73   | 180 |
| CAHA-32           | 190.6 | 19.5  | 71    | 37   | 75 | 25.5 | 40   | 10.4 | M250X3.0 | 3-M12 | 260 | 80 | 83.6 | 160 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.





— 이형공작물 파악 · 고성능 · 고정도 · 고속화 실현

— Clamping of Irregular Work

· High Performance and High Accuracy

· High Speed

— 異型工作物把握 · 高性能 高精度 · スピンドル直装型

— 夹紧不规则工件 · 性能好, 精度高 · 直接安装型

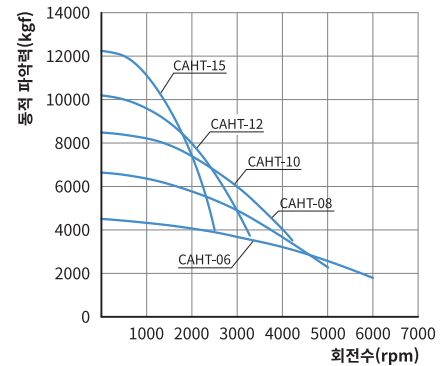
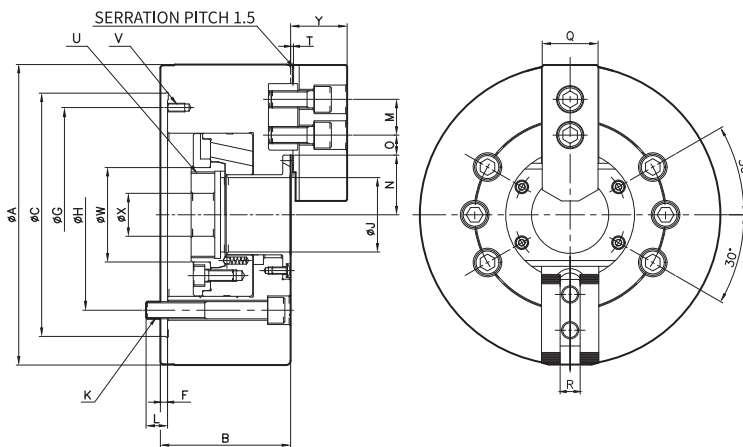
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose<br>NO.<br>주축규격 | Thru-hole<br>(Diameter)<br>관통경(직경)<br>mm | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia.(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|-----------------------------|------------------------------------------|----------------------------------------------|----------------------------------|-------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                             |                                          |                                              |                                  | Max 최대                                          | Min 최소 |                                                       |
| CAHT-06            | 1AHT06            | A2-5                        | 46                                       | 5.5                                          | 13                               | 169                                             | 13     | 16.6(1700)                                            |
| CAHT-08            | 1AHT08            | A2-6                        | 52                                       | 7.6                                          | 18                               | 210                                             | 11     | 26.6(2720)                                            |
| CAHT-10            | 1AHT10            | A2-8                        | 77                                       | 8.5                                          | 20                               | 254                                             | 31     | 33.3(3400)                                            |
| CAHT-12            | 1AHT12            | A2-8                        | 91                                       | 10.2                                         | 24                               | 304                                             | 34     | 39(3995)                                              |
| CAHT-15            | 1AHT15            | A2-11                       | 118                                      | 10.6                                         | 23                               | 381                                             | 30     | 47(4793)                                              |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량(표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|-----------------------------|
|                    |                                                   |                                                                |                                                            |                                                                                |                            |                             |
| CAHT-06            | 42(4284)                                          | 6000                                                           | 12.3                                                       | 2.20(0.22)                                                                     | YSH·YAH-06                 | SJ-06T1                     |
| CAHT-08            | 63(6398)                                          | 5000                                                           | 21.7                                                       | 6.86(0.70)                                                                     | YSH·YAH-08                 | SJ-08T1                     |
| CAHT-10            | 83.3(8493)                                        | 4200                                                           | 33.7                                                       | 12.55(1.28)                                                                    | YSH·YAH-10                 | SJ-10T1                     |
| CAHT-12            | 100(10200)                                        | 3300                                                           | 51                                                         | 26.47(2.7)                                                                     | YSH·YAH-12                 | SJ-12A1                     |
| CAHT-15            | 120(12236)                                        | 2500                                                           | 115                                                        | 87.25(8.90)                                                                    | YSH-15                     | SJ-15T1                     |



Dimension/尺寸/寸法表/치수표

| Item 항목<br>Model 형식 | A   | B   | C   | F | G   | H     | J   | K     | L  | M  | Nmax | Nmin |
|---------------------|-----|-----|-----|---|-----|-------|-----|-------|----|----|------|------|
| CAHT-06             | 169 | 80  | 140 | 5 | 116 | 104.8 | 46  | 6-M10 | 12 | 20 | 33.5 | 30.7 |
| CAHT-08             | 210 | 91  | 170 | 5 | 150 | 133.4 | 52  | 6-M12 | 15 | 25 | 41.7 | 37.9 |
| CAHT-10             | 254 | 100 | 220 | 5 | 190 | 171.4 | 77  | 6-M16 | 17 | 30 | 54.5 | 50.3 |
| CAHT-12             | 304 | 115 | 220 | 6 | 190 | 171.4 | 91  | 6-M16 | 18 | 30 | 62.1 | 56.7 |
| CAHT-15             | 381 | 133 | 300 | 6 | 260 | 235   | 118 | 6-M20 | 30 | 43 | 82   | 76.7 |

| Item 항목<br>Model 형식 | Omax  | Omin  | Pmax | Pmin  | Q  | R  | S    | T | U max    | V     | W   | X  | Y  | Z   |
|---------------------|-------|-------|------|-------|----|----|------|---|----------|-------|-----|----|----|-----|
| CAHT-06             | 23    | 10    | 12   | -1    | 31 | 12 | 19   | 2 | M55X2.0  | 3-M6  | 60  | 20 | 33 | 66  |
| CAHT-08             | 27    | 10    | 16.5 | -1.5  | 39 | 14 | 20.5 | 2 | M60X2.0  | 3-M6  | 66  | 30 | 39 | 86  |
| CAHT-10             | 31    | 12    | 9.5  | -10.5 | 44 | 16 | 27   | 2 | M85X2.0  | 3-M8  | 94  | 30 | 45 | 108 |
| CAHT-12             | 45    | 15    | 10   | -14   | 50 | 21 | 28   | 2 | M100X2.0 | 3-M8  | 108 | 30 | 51 | 111 |
| CAHT-15             | 43.75 | 18.25 | 11   | -12   | 62 | 22 | 39   | 5 | M130X2.0 | 3-M10 | 139 | 60 | 70 | 165 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.



— 이형공작물 파악 • 고성능 · 고정도 • 스핀들 직장형

— Clamping of Irregular Work • High Performance and High Accuracy  
• Spindle Direct-Mounting Type

— 異型工作物把握 • 高性能 · 高精度 • スピンドル直装型

— 夹紧不规则工件 • 性能好 · 精度高 • 直接安装型

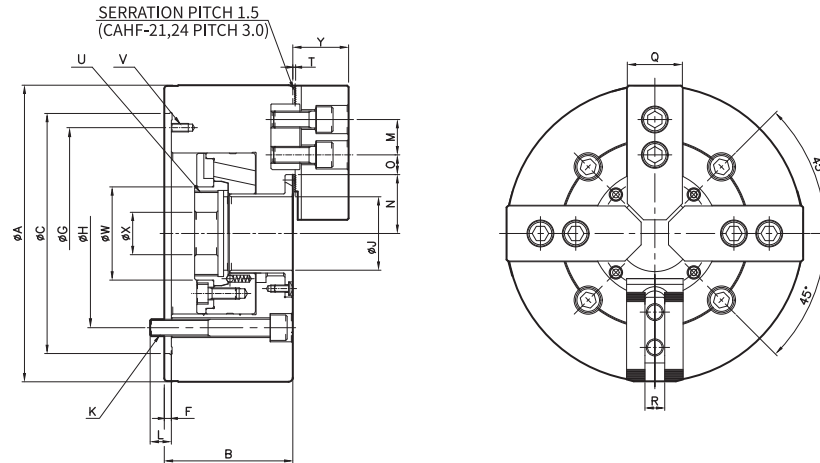
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

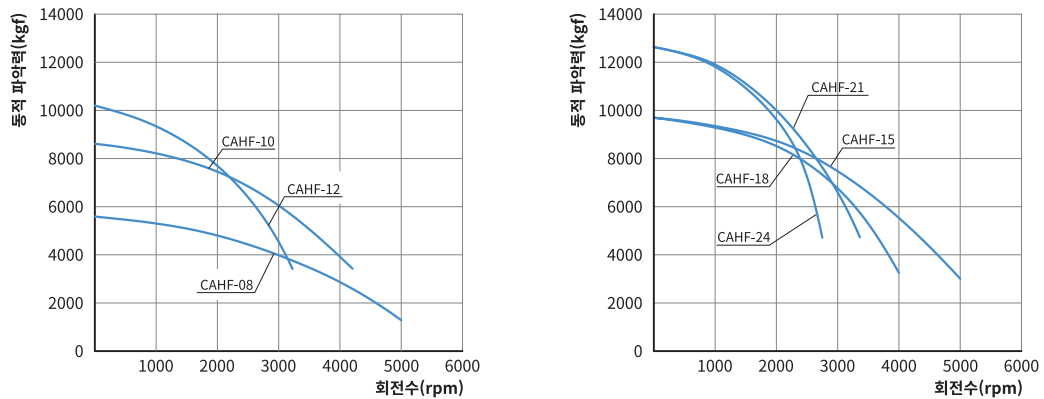
### Specifications/规格/仕様表/ 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose<br>NO.<br>주축규격 | Thru-hole<br>(Diameter)<br>관통경(직경)<br>mm | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|-----------------------------|------------------------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                             |                                          |                                              |                                  | Max 최대                                         | Min 최소 |                                                       |
| CAHF-08            | 1AHF08            | A2-6                        | 52                                       | 7.6                                          | 18                               | 210                                            | 25     | 26.6(2720)                                            |
| CAHF-10            | 1AHF10            | A2-8                        | 77                                       | 8.5                                          | 20                               | 254                                            | 31     | 33.3(3400)                                            |
| CAHF-12            | 1AHF12            | A2-8                        | 91                                       | 10.2                                         | 24                               | 304                                            | 55     | 39(3995)                                              |
| CAHF-15            | 1AHF15            | A2-11                       | 118                                      | 10.6                                         | 23                               | 381                                            | 36     | 47(4793)                                              |
| CAHF-18            | 1AHF18            | A2-11                       | 118                                      | 10.6                                         | 23                               | 450                                            | 36     | 47(4793)                                              |
| CAHF-21            | 1AHF21            | A2-15                       | 140                                      | 10.6                                         | 23                               | 530                                            | 74     | 60(6120)                                              |
| CAHF-24            | 1AHF24            | A2-15                       | 165                                      | 10.6                                         | 23                               | 610                                            | 94     | 60(6120)                                              |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량 (표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching<br>hard jaw<br>적용하드조 | Matching<br>soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|-------------------------------|--------------------------------|
|                    |                                                   |                                                                |                                                             |                                                                                |                            |                               |                                |
| CAHF-08            | 58(5845)                                          | 4500                                                           | 23                                                          | 6.86(0.7)                                                                      | YSH·YAH-08                 | HJ-08T1                       | SJ-08T1                        |
| CAHF-10            | 86(8775)                                          | 4200                                                           | 34.7                                                        | 12.85(1.31)                                                                    | YSH·YAH-10                 | HJ-10T1                       | SJ-10T1                        |
| CAHF-12            | 102(10408)                                        | 3300                                                           | 55.7                                                        | 28.73(2.93)                                                                    | YSH·YAH-12                 | HJ-12A1                       | SJ-12A1                        |
| CAHF-15            | 120(12236)                                        | 2500                                                           | 115                                                         | 87.28(8.9)                                                                     | YSH-15                     | HJ-15T1                       | SJ-15T1                        |
| CAHF-18            | 120(12236)                                        | 2000                                                           | 159                                                         | 165.73(16.9)                                                                   | YSH-15                     | HJ-15T1                       | SJ-15T1                        |
| CAHF-21            | 156(15974)                                        | 1700                                                           | 235                                                         | 351(35.8)                                                                      | YSH-15                     | HJ-21B1                       | SJ-21T1                        |
| CAHF-24            | 156(15974)                                        | 1400                                                           | 302                                                         | 651(66.4)                                                                      | YSH-15                     | HJ-21B1                       | SJ-21T1                        |



Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | F | G     | H     | J   | K     | L  | M  | Nmax  | Nmin  |
|-------------------|-----|-----|-----|---|-------|-------|-----|-------|----|----|-------|-------|
| CAHF-08           | 210 | 91  | 170 | 5 | 150   | 133.4 | 52  | 4-M12 | 15 | 25 | 41.7  | 37.9  |
| CAHF-10           | 254 | 100 | 220 | 5 | 190   | 171.4 | 77  | 4-M16 | 17 | 30 | 54.5  | 50.3  |
| CAHF-12           | 304 | 115 | 220 | 6 | 190   | 171.4 | 91  | 4-M16 | 18 | 30 | 62.1  | 56.7  |
| CAHF-15           | 381 | 133 | 300 | 6 | 260   | 235   | 118 | 4-M20 | 30 | 43 | 82    | 76.7  |
| CAHF-18           | 450 | 133 | 380 | 6 | 320   | 235   | 118 | 4-M20 | 30 | 43 | 82    | 76.7  |
| CAHF-21           | 530 | 140 | 380 | 6 | 330.2 | 330.2 | 140 | 4-M22 | 34 | 60 | 98.5  | 93.2  |
| CAHF-24           | 610 | 149 | 380 | 6 | 330.2 | 330.2 | 165 | 8-M22 | 32 | 60 | 108.4 | 103.2 |

| Item항목<br>Model형식 | Omax  | Omin  | Pmax | Pmin  | Q  | R  | S    | T | U max    | V     | W   | X  | Y  | Z   |
|-------------------|-------|-------|------|-------|----|----|------|---|----------|-------|-----|----|----|-----|
| CAHF-08           | 27    | 10    | 16.5 | -1.5  | 39 | 14 | 20.5 | 2 | M60X2.0  | 4-M6  | 66  | 30 | 39 | 86  |
| CAHF-10           | 31    | 12    | 9.5  | -10.5 | 44 | 16 | 27   | 2 | M85X2.0  | 4-M8  | 94  | 30 | 45 | 108 |
| CAHF-12           | 45    | 15    | 10   | -14   | 50 | 21 | 28   | 2 | M100X2.0 | 4-M8  | 108 | 30 | 51 | 111 |
| CAHF-15           | 43.75 | 18.25 | 11   | -12   | 62 | 22 | 39   | 5 | M130X2.0 | 6-M10 | 139 | 60 | 70 | 165 |
| CAHF-18           | 78.25 | 18.25 | 11   | -12   | 62 | 22 | 39   | 5 | M130X2.0 | 4-M10 | 139 | 60 | 70 | 165 |
| CAHF-21           | 87.5  | 21.5  | 11   | -12   | 65 | 25 | 39   | 4 | M155X3.0 | 4-M12 | 170 | 80 | 73 | 180 |
| CAHF-24           | 117.5 | 21.5  | 47   | 24    | 65 | 25 | 40   | 4 | M175X3.0 | 3-M12 | 187 | 80 | 64 | 180 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.



— 관통경 확대 · 경량화 실현 · 고성능 · 고정도 · 고속화 실현

— Enlargement of Through Hole · Light Weight  
· High Performance and High Accuracy · High Speed

— 貫通径拡大 · 軽量化実現 · 高性能, 高精度 · スピンドル直装型

— 超大通孔 · 重量轻 · 性能好, 精度高 · 直接安装型

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

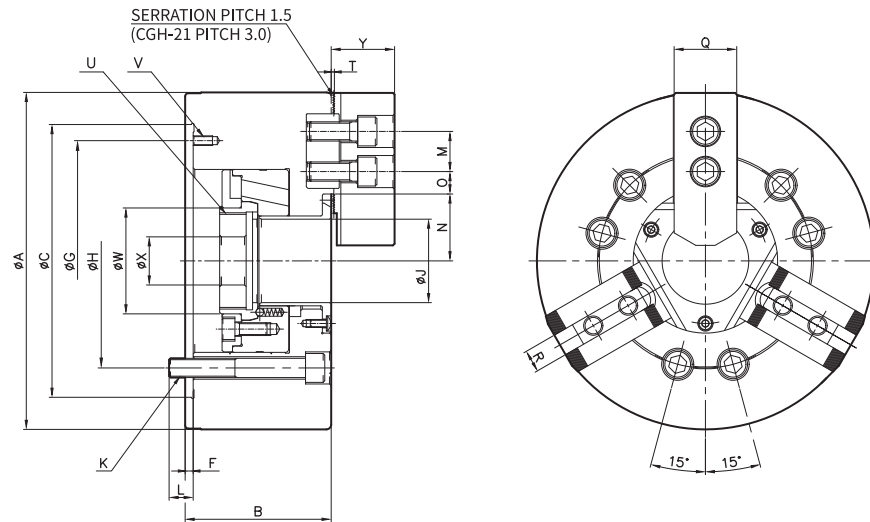
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications / 规格 / 仕様表 / 사양표

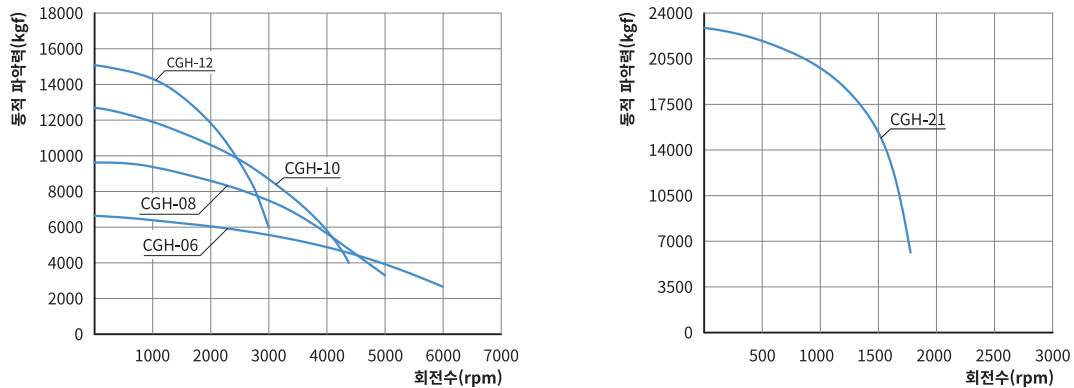
| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose<br>NO.<br>주축규격 | Thru-hole<br>(Diameter)<br>관통경(직경)<br>mm | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|-----------------------------|------------------------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                             |                                          |                                              |                                  | Max 최대                                         | Min 최소 |                                                       |
| CGH-06             | 1GH06             | A2-5                        | 52                                       | 5.5                                          | 13                               | 169                                            | 13     | 25(2550)                                              |
| CGH-08             | 1GH08             | A2-6                        | 66                                       | 7.6                                          | 18                               | 210                                            | 11     | 38(3900)                                              |
| CGH-08B            | 1GH08B            | A2-6                        | 72                                       | 7.6                                          | 18                               | 210                                            | 11     | 38(3900)                                              |
| CGH-10             | 1GH10             | A2-8                        | 82                                       | 8.5                                          | 20                               | 254                                            | 31     | 50(5100)                                              |
| CGH-12             | 1GH12             | A2-11                       | 103                                      | 10.2                                         | 24                               | 315                                            | 45     | 55(5610)                                              |
| CGH-18             | 1GH18             | A2-15                       | 166.5                                    | 11.5                                         | 25                               | 457                                            | 75     | 71(244)                                               |
| CGH-21             | 1GH21             | A2-15                       | 166.5                                    | 10.6                                         | 23                               | 530                                            | 82     | 90(9177)                                              |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량 (표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf.m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
|                    |                                                   |                                                                |                                                             |                                                                                |                            |                            |                             |
| CGH-06             | 60(6120)                                          | 6000                                                           | 11.9                                                        | 2.26(0.23)                                                                     | YSGH-06                    | HJ-06T1                    | SJ-06T1                     |
| CGH-08             | 94(9597)                                          | 5000                                                           | 23                                                          | 5.59(0.57)                                                                     | YSGH-08                    | HJ-08T1                    | SJ-08T1                     |
| CGH-08B            | 94(9597)                                          | 5000                                                           | 23                                                          | 5.59(0.57)                                                                     | YSGH-08                    | HJ-08T1                    | SJ-08T1                     |
| CGH-10             | 120(12240)                                        | 4500                                                           | 32                                                          | 12.83(1.31)                                                                    | YSGH-10                    | HJ-10T1                    | SJ-10T1                     |
| CGH-12             | 145(15000)                                        | 3000                                                           | 48                                                          | 2.95                                                                           | YSGH-12                    | HJ-12T1                    | SJ-12T1                     |
| CGH-18             | 180(18367)                                        | 2000                                                           | 170                                                         | 17.8                                                                           | YSHL-21                    | HJ-15T1                    | SJ-15A1                     |
| CGH-21             | 220(22460)                                        | 1700                                                           | 228                                                         | 35.8                                                                           | YSHL-21                    | HJ-21B1                    | SJ-21A1                     |





Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



Dimension/尺寸/寸法表/치수표

| Item항목  | A   | B   | C   | F | H     | J     | K     | L  | M  | N max | Nmin  | O max | O min |
|---------|-----|-----|-----|---|-------|-------|-------|----|----|-------|-------|-------|-------|
| Model형식 |     |     |     |   |       |       |       |    |    |       |       |       |       |
| CGH-06  | 175 | 81  | 140 | 5 | 104.8 | 52    | 6-M10 | 16 | 20 | 36.9  | 34.1  | 21    | 8     |
| CGH-08  | 210 | 91  | 170 | 5 | 133.4 | 66    | 6-M12 | 17 | 25 | 46.2  | 42.4  | 23.25 | 10.25 |
| CGH-08B | 210 | 91  | 190 | 5 | 171.4 | 72    | 6-M12 | 17 | 25 | 48.57 | 44.75 | 21    | 11    |
| CGH-10  | 254 | 100 | 220 | 5 | 171.4 | 82    | 6-M16 | 17 | 30 | 56.27 | 52.2  | 31    | 12    |
| CGH-12  | 315 | 110 | 300 | 6 | 235   | 103   | 6-M20 | 30 | 30 | 68.64 | 63.54 | 45.75 | 13.75 |
| CGH-18  | 457 | 135 | 380 | 6 | 330.2 | 166.5 | 6-M22 | 34 | 43 | 109.7 | 103.9 | 55    | 17    |
| CGH-21  | 530 | 140 | 380 | 6 | 330.2 | 166.5 | 6-M22 | 33 | 60 | 111.9 | 106.6 | 73.1  | 13.6  |

| Item항목  | P max | Pmin  | Q  | R  | S    | T   | U max    | V     | W     | X  | Y    | Z   |
|---------|-------|-------|----|----|------|-----|----------|-------|-------|----|------|-----|
| Model형식 |       |       |    |    |      |     |          |       |       |    |      |     |
| CGH-06  | 12    | -1    | 31 | 12 | 19   | 2   | M60×2.0  | 3-M6  | 66    | 20 | 33.5 | 72  |
| CGH-08  | 7     | -11   | 39 | 14 | 27   | 2   | M75×2.0  | 3-M6  | 80    | 30 | 39   | 95  |
| CGH-08B | 10    | -8    | 35 | 14 | 27   | 2   | M75×2.0  | 3-M6  | 88    | 30 | 39.5 | 95  |
| CGH-10  | 9.5   | -10.5 | 44 | 16 | 27   | 2   | M90×2.0  | 3-M8  | 98    | 30 | 45   | 110 |
| CGH-12  | 8     | -16   | 49 | 21 | 28   | 2.5 | M112×2.0 | 3-M10 | 124   | 66 | 51.3 | 111 |
| CGH-18  | 13    | -12   | 62 | 22 | 39.0 | 5.0 | M180×3.0 | 3-M12 | 196.5 | 80 | 70   | 165 |
| CGH-21  | 11    | -12   | 65 | 25 | 39   | 5   | M180×3.0 | 3-M12 | 196.5 | 80 | 73   | 180 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.



- 고성능·고정도 · 아답터 부착형 · 교체시간 단축 · 옵션 부착 용이
- High Performance and High Accuracy · Spindle Direct-Mounting Type
- Minimize changing time · Convenient Attachment Option
- 高性能, 高精度 · 스피ndl 直裝型 · 取替え時間短縮 · 便利な取付けオプション
- 性能好, 精度高 · 直接安裝型 · 換裝方便 · 便于安裝選擇

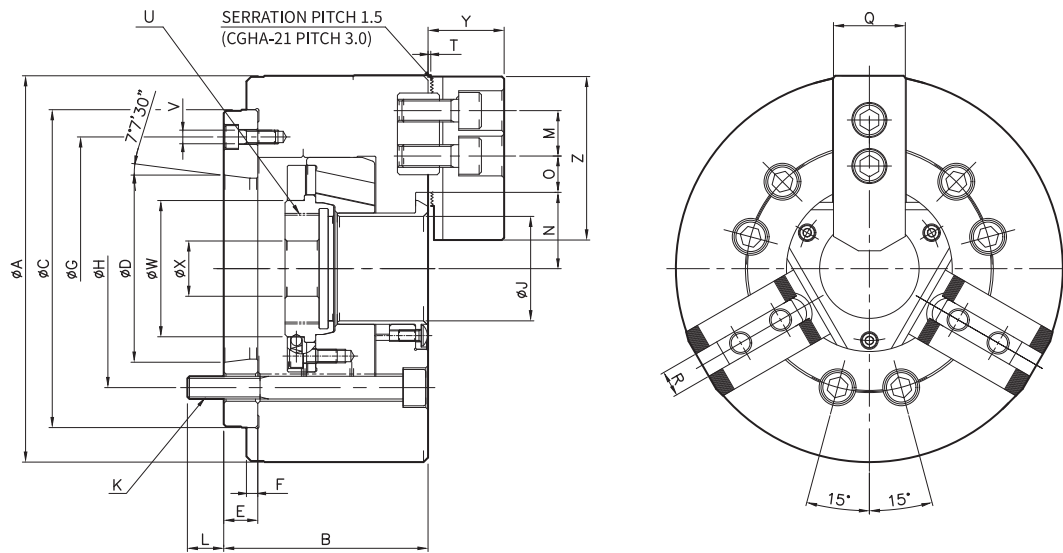
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

#### Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose NO.<br>주축규격 | Thru-hole (Diameter)<br>관통경(직경) mm | Jaw stroke (Diameter)<br>조 스트로크(직경) mm | Plunger stroke<br>플런저 스트로크 mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible input force<br>허용 실린더력 KN(kgf) |
|--------------------|-------------------|--------------------------|------------------------------------|----------------------------------------|-------------------------------|------------------------------------------------|--------|-------------------------------------------------|
|                    |                   |                          |                                    |                                        |                               | Max 최대                                         | Min 최소 |                                                 |
| CGHA-06            | 1GHA06            | A2-5                     | 53                                 | 5.5                                    | 13                            | 169                                            | 13     | 25(2550)                                        |
| CGHA-08            | 1GHA08            | A2-6                     | 66                                 | 7.6                                    | 18                            | 210                                            | 11     | 38(3900)                                        |
| CGHA-08B           | 1GHA08B           | A2-6                     | 72                                 | 7.6                                    | 18                            | 210                                            | 11     | 38(3900)                                        |
| CGHA-10            | 1GHA10            | A2-8                     | 82                                 | 8.5                                    | 20                            | 254                                            | 31     | 50(5100)                                        |
| CGHA-12            | 1GHA12            | A2-11                    | 103                                | 10.2                                   | 24                            | 315                                            | 45     | 55(5610)                                        |
| CGHA-21            | 1GHA21            | A2-15                    | 166.5                              | 10.6                                   | 23                            | 530                                            | 82     | 90(9177)                                        |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력 KN(kgf) | Max.permissible speed<br>최고 사용회전수 r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량(표준소프트 조 포함) kg | GD <sup>2</sup><br>Moment of inertia N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching soft jaw<br>적용소프트조 |
|--------------------|------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
|                    |                                                |                                                             |                                                          |                                                                             |                            |                            |                             |
| CGHA-06            | 60(6120)                                       | 6000                                                        | 13.7                                                     | 2.45(0.25)                                                                  | YSGH-06                    | HJ-06T1                    | SJ-06T1                     |
| CGHA-08            | 94(9597)                                       | 5000                                                        | 23.6                                                     | 6.90(0.71)                                                                  | YSGH-08                    | HJ-08T1                    | SJ-08T1                     |
| CGHA-08B           | 94(9597)                                       | 5000                                                        | 23.6                                                     | 6.90(0.71)                                                                  | YSGH-08                    | HJ-08T1                    | SJ-08T1                     |
| CGHA-10            | 120(12240)                                     | 4500                                                        | 40                                                       | 12.65(1.29)                                                                 | YSGH-10                    | HJ-10T1                    | SJ-10T1                     |
| CGHA-12            | 145(15000)                                     | 3000                                                        | 55                                                       | 2.95                                                                        | YSGH-12                    | HJ-12A1                    | SJ-12A1                     |
| CGHA-21            | 220(22460)                                     | 1700                                                        | 239                                                      | 35.8                                                                        | YSHL-21                    | HJ-21B1                    | SJ-21A1                     |



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | D       | E  | F | G     | H     | J     | K     | L  | M  | N max | N min |
|-------------------|-----|-----|-----|---------|----|---|-------|-------|-------|-------|----|----|-------|-------|
| CGHA-06           | 175 | 91  | 140 | 82.563  | 15 | 5 | 116   | 104.8 | 52    | 6-M10 | 16 | 20 | 36.9  | 34.1  |
| CGHA-08           | 210 | 111 | 170 | 106.375 | 26 | 5 | 150   | 133.4 | 66    | 6-M12 | 21 | 25 | 46.2  | 42.4  |
| CGHA-08B          | 210 | 111 | 170 | 106.375 | 26 | 5 | 150   | 133.4 | 72    | 6-M12 | 21 | 25 | 48.57 | 44.75 |
| CGHA-10           | 254 | 113 | 220 | 139.719 | 18 | 5 | 190   | 171.4 | 82    | 6-M16 | 24 | 30 | 56.27 | 52.2  |
| CGHA-12           | 315 | 126 | 300 | 196.869 | 34 | 6 | 260   | 235   | 103   | 6-M20 | 28 | 30 | 68.64 | 63.54 |
| CGHA-21           | 530 | 174 | 380 | 285.77  | 40 | 6 | 330.2 | 166.5 | 166.5 | 6-M22 | 33 | 60 | 111.9 | 106.6 |

| Item항목<br>Model형식 | O max | O min | P max | P min | Q  | R  | S    | T   | U max    | V     | W     | X  | Y    | Z   |
|-------------------|-------|-------|-------|-------|----|----|------|-----|----------|-------|-------|----|------|-----|
| CGHA-06           | 21    | 8     | 12    | -1    | 31 | 12 | 19   | 2   | M60X2.0  | 3-M6  | 66    | 20 | 33.5 | 72  |
| CGHA-08           | 23.25 | 10.25 | 7     | -11   | 39 | 14 | 20.5 | 2   | M75X2.0  | 3-M6  | 80    | 30 | 39   | 95  |
| CGHA-08B          | 21    | 11    | 10    | -8    | 35 | 14 | 27   | 2   | M75X2.0  | 3-M6  | 88    | 30 | 39.5 | 95  |
| CGHA-10           | 31    | 12    | 9.5   | -10.5 | 44 | 16 | 27   | 2   | M90X2.0  | 3-M8  | 98    | 30 | 45   | 110 |
| CGHA-12           | 45    | 13.75 | 8     | -16   | 49 | 21 | 30   | 2.5 | M112X2.0 | 3-M10 | 124   | 66 | 51.3 | 111 |
| CGHA-21           | 73.1  | 13.6  | 11    | -12   | 65 | 25 | 39   | 5   | M180X3.0 | 3-M12 | 196.5 | 80 | 73   | 180 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.

# CGHT/CGHF

## 2-조, 4-조 대관통경 중공형 파워척

2-JAW, 4-JAW GREAT BORE POWER CHUCK

2爪, 4爪大貫通径中空型パワーチャック / 超大通孔动力卡盘2爪, 4爪



- 고성능 · 고정도 · 교체시간 단축 · 옵션 부착 용이
- High Performance and High Accuracy
- Minimize changing time · Convenient Attachment Option
- 高性能, 高精度 · 取替え時間短縮 · 便利な取付けオプション
- 性能好, 精度高 · 换装方便 · 便于安装选择

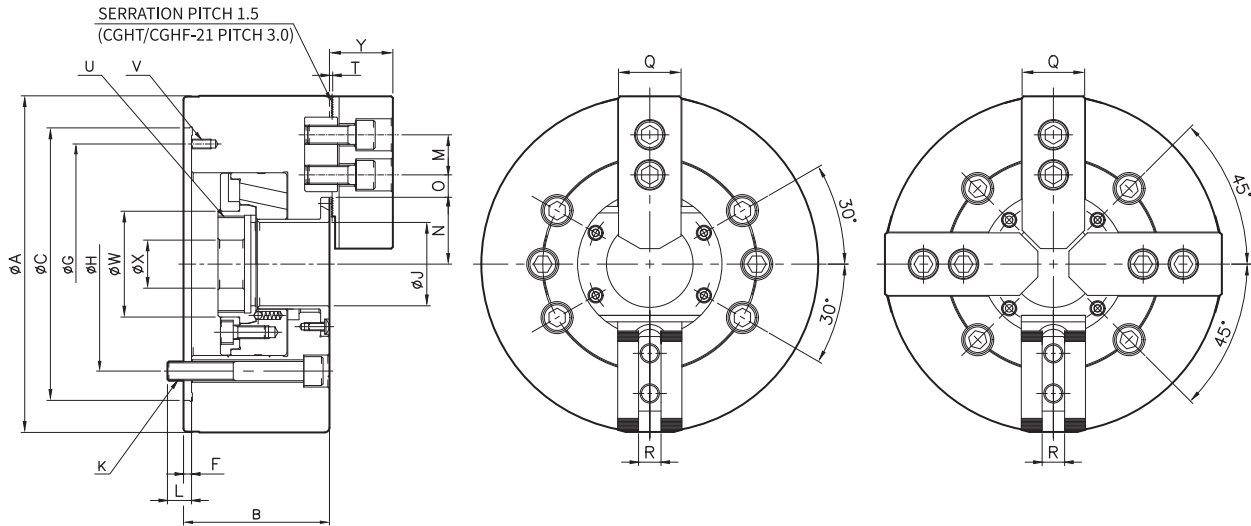
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

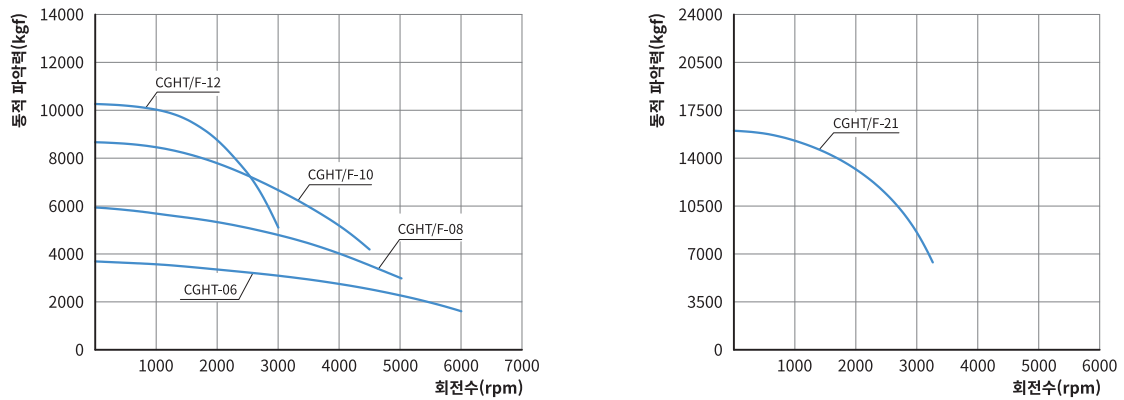
### Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose<br>NO.<br>주축규격 | Thru-hole<br>(Diameter)<br>관통경(직경)<br>mm | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|-----------------------------|------------------------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                             |                                          |                                              |                                  | Max 최대                                         | Min 최소 |                                                       |
| CGHT-06            | 1GHT06            | A2-5                        | 52                                       | 5.5                                          | 13                               | 169                                            | 13     | 17(1733)                                              |
| CGHT/CGHF-08       | 1GHT08/1GHF08     | A2-6                        | 66                                       | 7.6                                          | 18                               | 210                                            | 11     | 23.25(2397)                                           |
| CGHT/CGHF-10       | 1GHT10/1GHF10     | A2-8                        | 82                                       | 8.5                                          | 20                               | 254                                            | 31     | 42(4282)                                              |
| CGHT/CGHF-12       | 1GHT12/1GHF12     | A2-11                       | 103                                      | 10.2                                         | 24                               | 315                                            | 45     | 48(4894)                                              |
| CGHT/CGHF-21       | 1GHT21/1GHF21     | A2-15                       | 166.5                                    | 10.6                                         | 23                               | 530                                            | 82     | 60(6117)                                              |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max. permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량(표준소프트 조 포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
|                    |                                                   |                                                                 |                                                             |                                                                                |                            |                            |                             |
| CGHT-06            | 38(3875)                                          | 6000                                                            | 12.5                                                        | 0.23                                                                           | YSGH-06                    | HJ-06T1                    | SJ-06T1                     |
| CGHT/CGHF-08       | 58(5955)                                          | 5000                                                            | 23                                                          | 0.57                                                                           | YSGH-08                    | HJ-08T1                    | SJ-08T1                     |
| CGHT/CGHF-10       | 83(8463)                                          | 4500                                                            | 32                                                          | 1.31                                                                           | YSGH-10                    | HJ-10T1                    | SJ-10T1                     |
| CGHT/CGHF-12       | 104(10605)                                        | 3000                                                            | 55                                                          | 2.95                                                                           | YSGH-12                    | HJ-12T1                    | SJ-12A2                     |
| CGHT/CGHF-21       | 156(15907)                                        | 1700                                                            | 235                                                         | 351.2(35.8)                                                                    | YSHL-21                    | HJ-21B1                    | SJ-21A1                     |



Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도

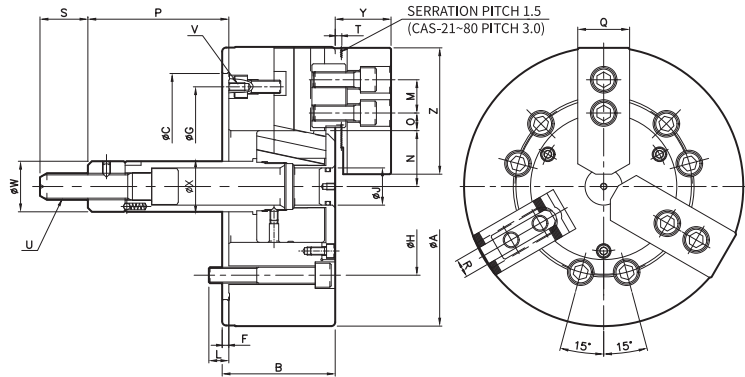


Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | F | H     | J     | K       | L  | M  | N max | N min | O max | O min |
|-------------------|-----|-----|-----|---|-------|-------|---------|----|----|-------|-------|-------|-------|
| CGHT-06           | 175 | 81  | 140 | 5 | 104.8 | 52    | 6-M10   | 16 | 20 | 36.9  | 34.1  | 21    | 8     |
| CGHT/CGHF-08      | 210 | 91  | 170 | 5 | 133.4 | 66    | 6/4-M12 | 17 | 25 | 46.2  | 42.4  | 23.25 | 10.25 |
| CGHT/CGHF-10      | 254 | 100 | 220 | 5 | 171.4 | 82    | 6/4-M16 | 17 | 30 | 56.39 | 52    | 31    | 12    |
| CGHT/CGHF-12      | 315 | 110 | 300 | 6 | 235   | 103   | 6/4-M20 | 30 | 30 | 68.6  | 63.5  | 45.7  | 13.7  |
| CGHT/CGHF-21      | 530 | 140 | 380 | 6 | 330.2 | 166.5 | 6/8-M22 | 33 | 60 | 111.9 | 106.6 | 73.1  | 13.6  |

| Item항목<br>Model형식 | P max | P min | Q  | R  | S  | T   | U max    | V     | W     | X  | Y    | Z   |
|-------------------|-------|-------|----|----|----|-----|----------|-------|-------|----|------|-----|
| CGHT-06           | 12    | -1    | 31 | 12 | 19 | 2   | M60X2.0  | 4-M6  | 66    | 20 | 33.5 | 72  |
| CGHT/CGHF-08      | 7     | -11   | 39 | 14 | 27 | 2   | M75X2.0  | 4-M6  | 80    | 30 | 39   | 95  |
| CGHT/CGHF-10      | 9.5   | -10.5 | 45 | 16 | 27 | 2   | M90X2.0  | 4-M8  | 98    | 30 | 46   | 110 |
| CGHT/CGHF-12      | 8     | -16   | 49 | 21 | 28 | 2.5 | M112X2.0 | 4-M10 | 124   | 66 | 51.3 | 111 |
| CGHT/CGHF-21      | 11    | -12   | 65 | 25 | 39 | 5   | M175X3.0 | 4M-12 | 196.5 | 80 | 73   | 180 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.



- 경제적 모델 • 고속화 실현 • 내구성 확보 • 호환성 확보
- Economical Model • High Speed • Durability • Compatibility
- 経済的なモデル • 高速化実現 • 耐久性確保 • 互換性確保
- 经济型 • 速度快 • 耐磨损 • 兼容性

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

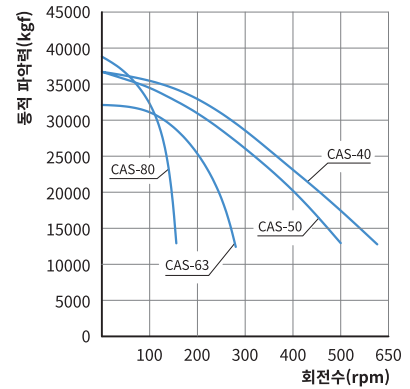
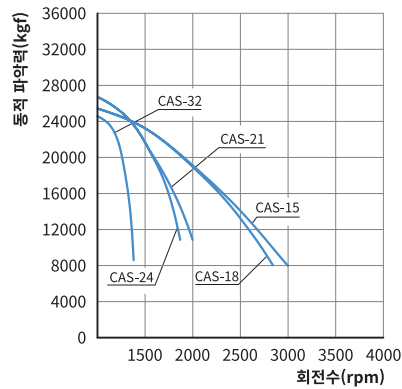
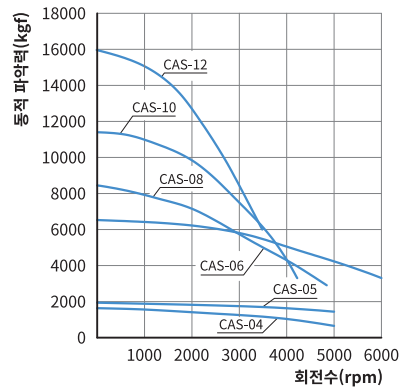
### Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose<br>NO.<br>주축규격 | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)/mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia.(External gripping)<br>파악경(외경파악)/mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|-----------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                             |                                           |                                  | Max 최대                                           | Min 최소 |                                                       |
| CAS-04             | 10104             | -                           | 5                                         | 15                               | 110                                              | 6      | 4.4(445)                                              |
| CAS-05             | 10105             | -                           | 5                                         | 15                               | 135                                              | 15     | 6.4(647)                                              |
| CAS-06             | 1AS06             | A2-5                        | 9.2                                       | 20                               | 165                                              | 19     | 19(1938)                                              |
| CAS-08             | 1AS08             | A2-6                        | 8.8                                       | 21                               | 210                                              | 23     | 28(2856)                                              |
| CAS-10             | 1AS10             | A2-8                        | 8.8                                       | 25                               | 254                                              | 24     | 32.5(3315)                                            |
| CAS-12             | 1AS12             | A2-8                        | 10.5                                      | 30                               | 304                                              | 26     | 41.5(4233)                                            |
| CAS-15             | 1AS15             | A2-8, 11                    | 16                                        | 35                               | 381                                              | 60     | 81.9(8362)                                            |
| CAS-18             | 1AS18             | A2-8, 11                    | 16                                        | 35                               | 450                                              | 140    | 81.9(8362)                                            |
| CAS-21             | 1AS21             | A2-11, 15                   | 16                                        | 35                               | 530                                              | 82     | 81.9(8362)                                            |
| CAS-24             | 1AS24             | A2-11, 15                   | 16                                        | 35                               | 610                                              | 170    | 81.9(8362)                                            |
| CAS-32             | 1AS32             | -                           | 20.6                                      | 38                               | 800                                              | 211    | 100(10200)                                            |
| CAS-40             | 1AS40             | -                           | 30.5                                      | 57                               | 1000                                             | 330    | 161(16450)                                            |
| CAS-50             | 1AS50             | -                           | 30.5                                      | 57                               | 1250                                             | 330    | 161(16450)                                            |
| CAS-63             | 1AS63             | -                           | 48                                        | 60                               | 1600                                             | -      | 180(18367)                                            |
| CAS-80             | 1AS80             | -                           | 48                                        | 60                               | 2000                                             | -      | 196(20000)                                            |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight (With standard<br>soft jaws) / 중량 (표준<br>소프트 조 포함) kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
| CAS-04             | 12.1(1224)                                        | 5000                                                           | 4                                                            | 0.196(0.02)                                                                    | YAS - 65                   | -                          | SJ-04T2                     |
| CAS-05             | 17.7(1791)                                        | 5000                                                           | 6                                                            | 0.56(0.06)                                                                     | YAS, C, P, T - 80          | -                          | SJ-05A1                     |
| CAS-06             | 63(6426)                                          | 6000                                                           | 13                                                           | 1.77(0.18)                                                                     | YAS, C, P, T-100           | HJ-06T1                    | SJ-06T1                     |
| CAS-08             | 80(8160)                                          | 4800                                                           | 25                                                           | 5.39(0.55)                                                                     | YAS, C, P, T-125           | HJ-08T1                    | SJ-08T1                     |
| CAS-10             | 115(11730)                                        | 4100                                                           | 37                                                           | 11.17(1.20)                                                                    | YAS, C, P, T-125           | HJ-10T1                    | SJ-10T1                     |
| CAS-12             | 156(16014)                                        | 3400                                                           | 57.3                                                         | 28.44(2.90)                                                                    | YAS, C, P, T-150           | HJ-12A1                    | SJ-12T1                     |
| CAS-15             | 248(25391)                                        | 3040                                                           | 96                                                           | 70.5(7.2)                                                                      | YAS, C, P, T-200           | HJ-15A3                    | SJ-15A3                     |
| CAS-18             | 248(25391)                                        | 2710                                                           | 131                                                          | 95(9.7)                                                                        | YAS, C, P, T-200           | HJ-15A3                    | SJ-15A3                     |
| CAS-21             | 272(27838)                                        | 1940                                                           | 198                                                          | 188.2(19.2)                                                                    | YAS, C, P, T-200           | HJ-21B1                    | SJ-21A1                     |
| CAS-24             | 272(27838)                                        | 1760                                                           | 223                                                          | 67.8(6.92)                                                                     | YAS, C, P, T-200           | HJ-21B1                    | SJ-21A1                     |
| CAS-32             | 240(24490)                                        | 900                                                            | 341                                                          | 23.8(2.43)                                                                     | YASTL-200                  | HJ-32A1                    | SJ-32A1                     |
| CAS-40             | 361(36836)                                        | 630                                                            | 670                                                          | 68(7.03)                                                                       | YAST-245                   | HJ-40A1                    | SJ-40A1                     |
| CAS-50             | 361(36836)                                        | 500                                                            | 800                                                          | 145(14.78)                                                                     | YAST-245                   | HJ-40A1                    | SJ-40A1                     |
| CAS-63             | 320(32653)                                        | 280                                                            | 1600                                                         | 500(50.97)                                                                     | YAST-245                   | -                          | -                           |
| CAS-80             | 390(39800)                                        | 150                                                            | 3200                                                         | -                                                                              | -                          | -                          | -                           |



## Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



## Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A    | B   | C   | F  | G   | H     | J  | K     | L    | M     | N max | N min |
|-------------------|------|-----|-----|----|-----|-------|----|-------|------|-------|-------|-------|
| CAS-04            | 110  | 52  | 60  | 6  | -   | 80    | -  | 3-M8  | 16.5 | 14    | 26    | 23.5  |
| CAS-05            | 135  | 52  | 80  | 7  | -   | 100   | -  | 3-M8  | 16.5 | 19    | 32    | 29.5  |
| CAS-06            | 169  | 74  | 140 | 5  | 116 | 104.8 | 23 | 6-M10 | 14   | 20    | 41    | 36.7  |
| CAS-08            | 210  | 85  | 170 | 5  | 150 | 133.4 | 28 | 6-M12 | 15   | 25    | 46.3  | 41.9  |
| CAS-10            | 254  | 89  | 220 | 5  | 190 | 171.4 | 34 | 6-M16 | 18   | 30    | 51.1  | 46.7  |
| CAS-12            | 304  | 106 | 220 | 6  | 190 | 171.4 | 39 | 6-M16 | 18   | 30    | 61    | 55.7  |
| CAS-15            | 381  | 114 | 300 | 6  | 260 | 235   | 27 | 6-M20 | 20   | 43    | 73    | 65    |
| CAS-18            | 450  | 114 | 300 | 6  | 260 | 235   | 27 | 6-M20 | 20   | 43    | 106.5 | 98.5  |
| CAS-21            | 530  | 125 | 380 | 6  | 330 | 330.2 | 27 | 6-M22 | 26   | 60    | 86    | 78    |
| CAS-24            | 610  | 125 | 380 | 6  | 330 | 330.2 | 27 | 6-M22 | 26   | 60    | 124.5 | 116.5 |
| CAS-32            | 800  | 150 | 380 | 6  | -   | 330.2 | -  | 6-M24 | 31   | 76.2  | 88    | 77.7  |
| CAS-40            | 1000 | 180 | 520 | 8  | -   | 510   | -  | 6-M24 | 34   | 100   | 145   | 129.8 |
| CAS-50            | 1250 | 180 | 520 | 8  | -   | 453.6 | -  | 6-M24 | 32   | 100   | 145   | 129.8 |
| CAS-63            | 1600 | 220 | 720 | 8  | -   | 648   | -  | 6-M30 | 46   | -     | -     | -     |
| CAS-80            | 2000 | 250 | 720 | 10 | -   | 1120  | -  | 6-M30 | 58   | 152.4 | -     | -     |

| Item항목<br>Model형식 | O max | O min | P max | P min | Q   | R    | S  | T  | U        | V     | W  | X   | Y    | Z    |
|-------------------|-------|-------|-------|-------|-----|------|----|----|----------|-------|----|-----|------|------|
| CAS-04            | 10    | 7     | 5     | -10   | 25  | 10   | 25 | 3  | M10X1.5  | -     | 25 | -   | 27   | 54   |
| CAS-05            | 11.5  | 7     | 9     | -6    | 25  | 10   | 36 | 3  | M12X1.75 | -     | 28 | -   | 27   | 58.5 |
| CAS-06            | 13    | 7     | 101.5 | 81.5  | 31  | 12   | 36 | 4  | M16X2.0  | 3-M6  | 32 | 32  | 35   | 72   |
| CAS-08            | 22.5  | 9     | 127   | 106   | 39  | 14   | 36 | 5  | M20X2.5  | 3-M6  | 38 | 38  | 43   | 95   |
| CAS-10            | 30.7  | 11.2  | 158   | 133   | 44  | 16   | 36 | 5  | M20X2.5  | 3-M8  | 38 | 44  | 50   | 110  |
| CAS-12            | 48.7  | 12.7  | 163   | 133   | 50  | 18   | 36 | 5  | M20X2.5  | 3-M8  | 38 | 50  | 54   | 111  |
| CAS-15            | 54.7  | 15.7  | 104   | 69    | 50  | 25.5 | 55 | 6  | M30X3.5  | 3-M10 | 55 | 60  | 60   | 135  |
| CAS-18            | 48.5  | 23.2  | 92    | 57    | 50  | 25.5 | 55 | 6  | M30X3.5  | 3-M10 | 55 | 60  | 60.3 | 135  |
| CAS-21            | 93.5  | 27.5  | 97    | 62    | 65  | 25   | 55 | 6  | M30X3.5  | 3-M12 | 55 | 60  | 71   | 180  |
| CAS-24            | 93.5  | 27.5  | 97    | 62    | 65  | 25   | 55 | 6  | M30X3.5  | 3-M12 | 55 | 60  | 71   | 180  |
| CAS-32            | -     | -     | 35    | -3    | 75  | 25.5 | 60 | 8  | M30X3.5  | -     | 55 | 114 | 83   | 165  |
| CAS-40            | -     | -     | 53    | -3    | 98  | 30   | 65 | -4 | M36X4.0  | -     | 60 | -   | 106  | 200  |
| CAS-50            | -     | -     | 35    | -22   | 98  | 30   | 68 | -4 | M36X4.0  | -     | 60 | -   | 106  | 200  |
| CAS-63            | -     | -     | 13    | -47   | -   | -    | -  | -  | M36X4.0  | -     | -  | -   | -    | -    |
| CAS-80            | -     | -     | 23    | -37   | 110 | 30   | 68 | -4 | M42X4.5  | -     | 66 | -   | 105  | 270  |

※ CAS-32인치이상은 Soft Jaw체결부가 Key Type입니다.  
 ※ Soft jaw for larger size than CAS-32 : Key Mount Type.

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.



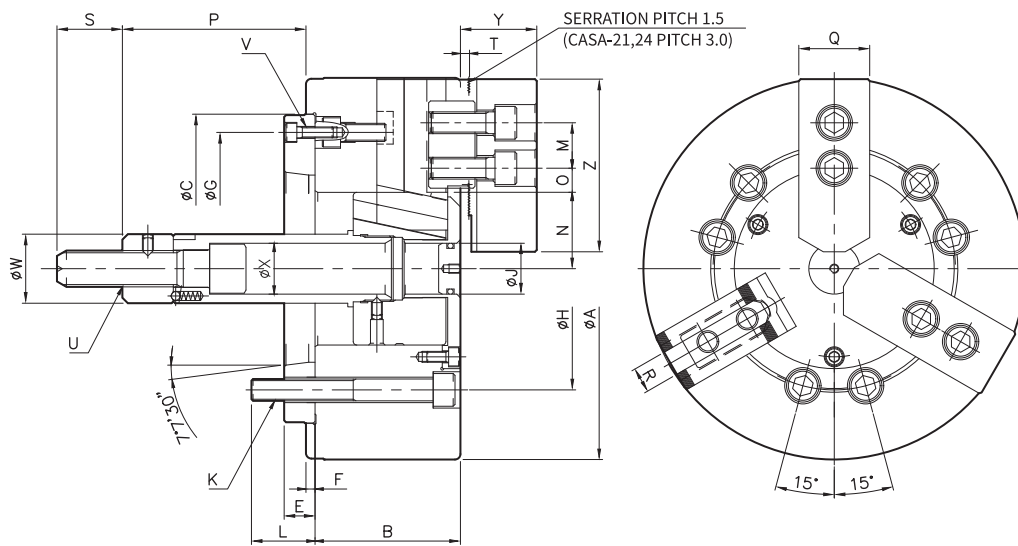
- 아답터 부착형 · 교체시간 단축 · 고성능 · 고품질 · 옵션 부착 용이
- Spindle Direct-Mounting Type · Minimize changing time
- High Performance and High Quality · Convenient Attachment Option
- 스피ndl 直装型 · 取替え時間短縮 · 高性能, 高品質 · 便利な取付けオプション
- 直接安装型 · 换装方便 · 性能优, 质量好 · 便于安装选择

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
 ※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

#### Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose<br>NO.<br>주축규격 | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|-----------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                             |                                              |                                  | Max 최대                                         | Min 최소 |                                                       |
| CASA-06            | 1ASA06            | A2-5                        | 9.2                                          | 20                               | 165                                            | 19     | 19(1938)                                              |
| CASA-08            | 1ASA08            | A2-6                        | 8.8                                          | 21                               | 210                                            | 23     | 28(2856)                                              |
| CASA-10            | 1ASA10            | A2-8                        | 8.8                                          | 25                               | 254                                            | 24     | 32.5(3315)                                            |
| CASA-12            | 1ASA12            | A2-8                        | 10.5                                         | 30                               | 304                                            | 26     | 41.5(4233)                                            |
| CASA-15            | 1ASA15            | A2-11                       | 16                                           | 35                               | 381                                            | 60     | 81.9(8362)                                            |
| CASA-18            | 1ASA18            | A2-11                       | 16                                           | 35                               | 450                                            | 140    | 81.9(8362)                                            |
| CASA-21            | 1ASA21            | A2-11, 15                   | 16                                           | 35                               | 530                                            | 82     | 81.9(8362)                                            |
| CASA-24            | 1ASA24            | A2-11, 15                   | 16                                           | 35                               | 610                                            | 170    | 81.9(8362)                                            |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량 (표준소프트 죠 포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching<br>soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|--------------------------------|
|                    |                                                   |                                                                |                                                              |                                                                                |                            |                            |                                |
| CASA-06            | 63(6426)                                          | 6000                                                           | 14                                                           | 1.96(0.20)                                                                     | YAS, C, P, T-100           | HJ-06T1                    | SJ-06T1                        |
| CASA-08            | 80(8160)                                          | 4800                                                           | 27                                                           | 5.79(0.59)                                                                     | YAS, C, P, T-125           | HJ-08T1                    | SJ-08T1                        |
| CASA-10            | 115(11730)                                        | 4100                                                           | 40                                                           | 12.84(1.31)                                                                    | YAS, C, P, T-125           | HJ-10T1                    | SJ-10T1                        |
| CASA-12            | 156(16014)                                        | 3400                                                           | 66                                                           | 29.52(3.01)                                                                    | YAS, C, P, T-150           | HJ-12A1                    | SJ-12A2                        |
| CASA-15            | 248(35391)                                        | 3040                                                           | 96                                                           | 70.5(7.2)                                                                      | YAS, C, P, T-200           | HJ-15A3                    | SJ-15A3                        |
| CASA-18            | 248(35391)                                        | 2710                                                           | 131                                                          | 95(9.7)                                                                        | YAS, C, P, T-200           | HJ-15A3                    | SJ-15A3                        |
| CASA-21            | 272(27838)                                        | 1940                                                           | 198                                                          | 188.2(19.2)                                                                    | YAS, C, P, T-200           | HJ-21B1                    | SJ-21A1                        |
| CASA-24            | 272(27838)                                        | 1760                                                           | 223                                                          | 67.8(6.92)                                                                     | YAS, C, P, T-200           | HJ-21B1                    | SJ-21A1                        |



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | D       | E  | F | G     | H     | J  | K     | L  | M  | N max | N min |
|-------------------|-----|-----|-----|---------|----|---|-------|-------|----|-------|----|----|-------|-------|
| CASA-06           | 169 | 84  | 140 | 82.563  | 15 | 5 | 116   | 104.8 | 23 | 6-M10 | 14 | 20 | 41    | 36.7  |
| CASA-08           | 210 | 97  | 170 | 106.375 | 17 | 5 | 150   | 133.4 | 28 | 6-M12 | 18 | 25 | 46.3  | 41.9  |
| CASA-10           | 254 | 102 | 220 | 139.719 | 18 | 5 | 190   | 171.4 | 34 | 6-M16 | 25 | 30 | 51.1  | 46.7  |
| CASA-12           | 304 | 118 | 220 | 139.719 | 18 | 6 | 190   | 171.4 | 39 | 6-M16 | 25 | 30 | 61    | 55.7  |
| CASA-15           | 381 | 130 | 300 | 196.869 | 22 | 6 | 260   | 235   | 27 | 6-M20 | 23 | 43 | 73    | 65    |
| CASA-18           | 450 | 130 | 300 | 196.869 | 22 | 6 | 260   | 235   | 27 | 6-M20 | 23 | 43 | 106.5 | 98.5  |
| CASA-21           | 530 | 146 | 380 | 196.869 | 27 | 6 | 330.2 | 330.2 | 27 | 6-M22 | 28 | 60 | 86    | 78    |
| CASA-24           | 610 | 146 | 380 | 196.869 | 27 | 6 | 330.2 | 330.2 | 27 | 6-M22 | 28 | 60 | 124.5 | 117   |

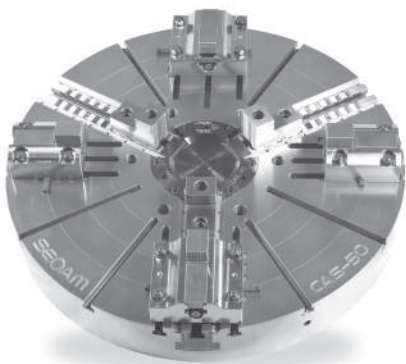
| Item항목<br>Model형식 | O max | O min | P max | P min | Q  | R    | S  | T | U       | V     | W  | X  | Y    | Z   |
|-------------------|-------|-------|-------|-------|----|------|----|---|---------|-------|----|----|------|-----|
| CASA-06           | 13    | 7     | 86.5  | 66.5  | 31 | 12   | 36 | 4 | M16X2.0 | 3-M6  | 32 | 32 | 35   | 72  |
| CASA-08           | 22.5  | 9     | 110   | 89    | 39 | 14   | 36 | 5 | M20X2.5 | 3-M6  | 38 | 38 | 43   | 95  |
| CASA-10           | 30.7  | 11.2  | 140   | 115   | 44 | 16   | 36 | 5 | M20X2.5 | 3-M8  | 38 | 44 | 50   | 110 |
| CASA-12           | 48.7  | 12.7  | 145   | 115   | 50 | 18   | 36 | 5 | M20X2.5 | 3-M8  | 38 | 50 | 54   | 111 |
| CASA-15           | 54.7  | 15.7  | 82    | 47    | 50 | 25.5 | 55 | 5 | M30X3.5 | 3-M10 | 55 | 60 | 60   | 135 |
| CASA-18           | 48.5  | 23.2  | 70    | 35    | 50 | 25.5 | 55 | 5 | M30X3.5 | 3-M10 | 55 | 60 | 60.3 | 135 |
| CASA-21           | 93.5  | 27.5  | 70    | 35    | 65 | 25   | 55 | 6 | M30X3.5 | 3-M12 | 55 | 60 | 71   | 180 |
| CASA-24           | 93.5  | 27.5  | 70    | 35    | 65 | 25   | 55 | 6 | M30X3.5 | 3-M12 | 55 | 60 | 71   | 180 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

# CAS-HC

## 고속중실형 파워척

CLOSED CENTER COMBINATION CHUCK(Hydraulic+Independent)  
高速中実型パワーチャック(アダプター付) / 中実动力卡盘(短锥型)



－ 미세조정형    · 고속화 실현    · 내구성 확보    · 호환성 확보

－ Fine control type    · High Speed    · Durability    · Compatibility

－ 微細調整型    · 高速化実現    · 耐久性確保    · 互換性確保

－ 微调调整型    · 速度快    · 耐磨损    · 兼容性

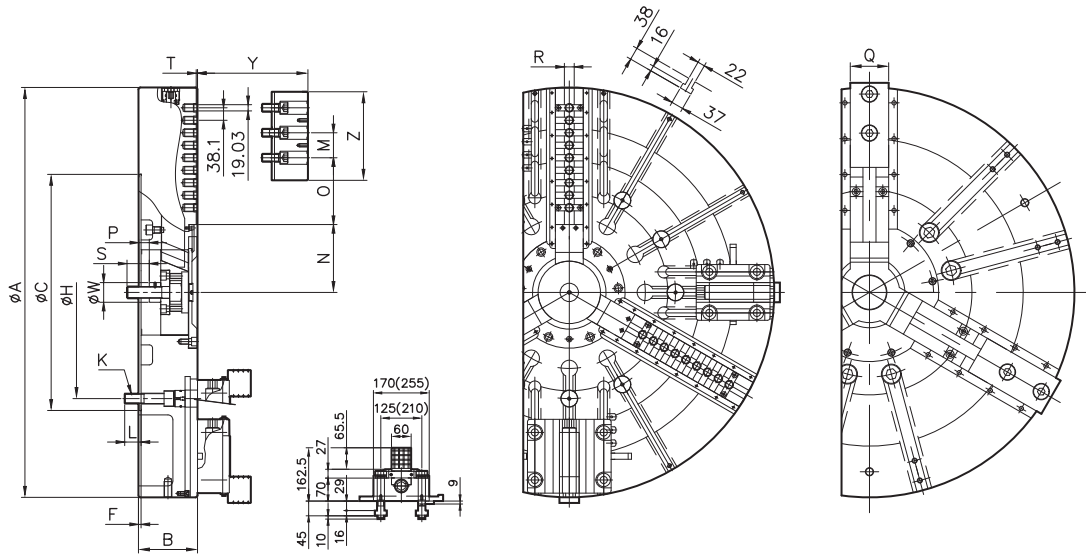
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

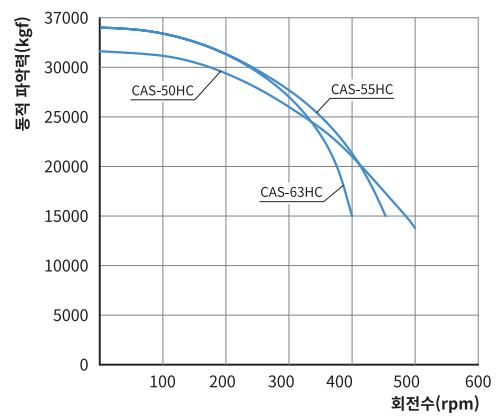
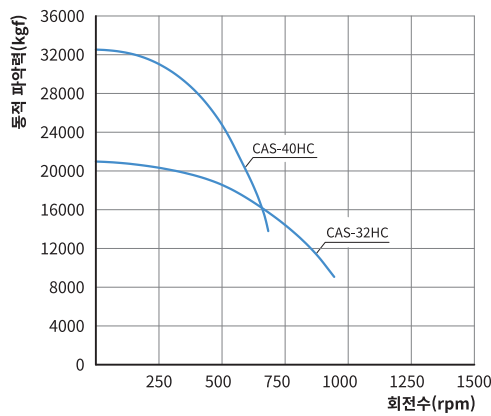
### Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose NO.<br>주축규격 | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|--------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                          |                                              |                                  | Max 최대                                         | Min 최소 |                                                       |
| CAS-32HC           | 1AS32HC           | －                        | 30+(30)                                      | 38                               | 800                                            | 296    | 119(12232)                                            |
| CAS-40HC           | 1AS40HC           | －                        | 46+(30)                                      | 57                               | 1000                                           | 187    | 161(16450)                                            |
| CAS-50HC           | 1AS50HC           | －                        | 46+(30)                                      | 57                               | 1250                                           | 187    | 180(18367)                                            |
| CAS-55HC           | 1AS55HC           | －                        | 46+(30)                                      | 60                               | 1400                                           | 283    | 200(20398)                                            |
| CAS-63HC           | 1AS63HC           | －                        | 48+(40)                                      | 60                               | 1600                                           | 320    | 196(20000)                                            |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible<br>speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량 (표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching<br>soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|--------------------------------|
|                    |                                                   |                                                                   |                                                             |                                                                                |                            |                            |                                |
| CAS-32HC           | 214(21916)                                        | 800                                                               | 350                                                         | 601.9(61)                                                                      | YASTL-200                  | HJ-32A1                    | SJ-32A1                        |
| CAS-40HC           | 320(32653)                                        | 630                                                               | 670                                                         | 1721.8(174.5)                                                                  | YAST-250S                  | HJ-40A2                    | SJ-40A2                        |
| CAS-50HC           | 320(32653)                                        | 500                                                               | 800                                                         | 2169(220)                                                                      | YAST-250S                  | HJ-40A2                    | SJ-40A2                        |
| CAS-55HC           | 359(36710)                                        | 450                                                               | 1280                                                        | 2760(280)                                                                      | YAST-250S                  | HJ-40A2                    | SJ-40A2                        |
| CAS-63HC           | 358(36600)                                        | 400                                                               | 1900                                                        | 4930(500)                                                                      | YAST-250S                  | HJ-40A2                    | SJ-40A2                        |



Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A    | B   | C    | F | G | H     | J | K     | L  | M     | N max | N min |
|-------------------|------|-----|------|---|---|-------|---|-------|----|-------|-------|-------|
| CAS-32HC          | 800  | 150 | 380  | 6 | - | 330.2 | - | 6-M24 | 30 | 76.2  | 172   | 125.5 |
| CAS-40HC          | 1000 | 180 | 520  | 8 | - | 463.6 | - | 6-M24 | 32 | 152.4 | 207   | 154   |
| CAS-50HC          | 1250 | 180 | 520  | 8 | - | 463.6 | - | 6-M24 | 32 | 152.4 | 207   | 154   |
| CAS-55HC          | 1400 | 180 | 720  | 8 | - | 647.6 | - | 9-M30 | 50 | 152.4 | 207   | 154   |
| CAS-63HC          | 1600 | 240 | 1020 | 8 | - | 956   | - | 9-M30 | 50 | 152.4 | 251   | 227   |

| Item항목<br>Model형식 | O max | O min | P max | P min | Q   | R    | S  | T  | U       | V | W  | X   | Y   | Z   |
|-------------------|-------|-------|-------|-------|-----|------|----|----|---------|---|----|-----|-----|-----|
| CAS-32HC          | -     | -     | 35    | -3    | 75  | 25.5 | 65 | 11 | M30X3.5 | - | 55 | 114 | 83  | 165 |
| CAS-40HC          | -     | -     | 35    | -25   | 110 | 30   | 68 | 0  | M36X4.0 | - | 60 | -   | 110 | 270 |
| CAS-50HC          | -     | -     | 35    | -25   | 110 | 30   | 68 | -4 | M36X4.0 | - | 60 | -   | 106 | 270 |
| CAS-55HC          | -     | -     | 35    | -25   | 110 | 30   | 68 | -4 | M36X4.0 | - | 60 | -   | 106 | 270 |
| CAS-63HC          | -     | -     | 67    | 7     | 110 | 30   | 68 | -6 | M36X4.0 | - | 60 | -   | 104 | 270 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.



- • 경제적인 모델 • 고속화 실현 • 내구성 확보 • 호환성 확보
- • Economical Model • High Speed • Durability • Compatibility
- • 経済的なモデル • 高速化実現 • 耐久性確保 • 互換性確保
- • 经济型 • 速度快 • 耐磨损 • 兼容性

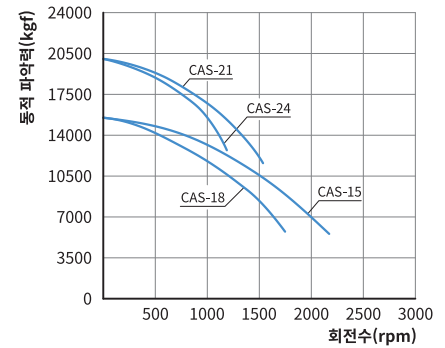
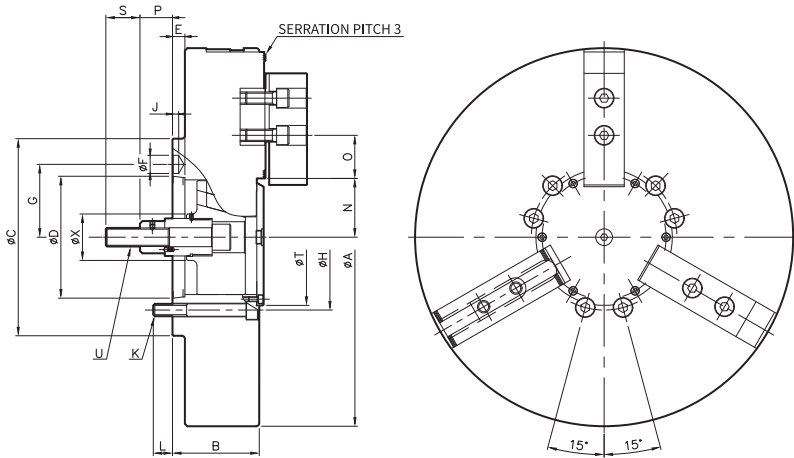
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
 ※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications/规格/仕様表/ 사양표

| Spec. 사양<br>Model 형식 | Order NO.<br>오더번호 | Spindle nose NO.<br>주축규격 | Jaw stroke(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force/허용<br>실린더력 KN(kgf) |
|----------------------|-------------------|--------------------------|------------------------------------------|----------------------------------|------------------------------------------------|--------|----------------------------------------------------|
|                      |                   |                          |                                          |                                  | Max 최대                                         | Min 최소 |                                                    |
| CAS-15 A8            | 1AS15A8           | A2-8                     | 18.6                                     | 35                               | 381                                            | 60     | 73.5(7438)                                         |
| CAS-15 A11           | 1AS15A11          | A2-11                    | 18.6                                     | 35                               | 381                                            | 60     | 73.5(7438)                                         |
| CAS-18 A8            | 1AS18A8           | A2-8                     | 18.6                                     | 35                               | 457                                            | 60     | 73.5(7438)                                         |
| CAS-18 A11           | 1AS18A11          | A2-11                    | 18.6                                     | 35                               | 457                                            | 60     | 73.5(7438)                                         |
| CAS-21 A11           | 1AS21A11          | A2-11                    | 18.6                                     | 35                               | 530                                            | 110    | 98.1(9927)                                         |
| CAS-21 A15           | 1AS21A15          | A2-15                    | 18.6                                     | 35                               | 530                                            | 110    | 98.1(9927)                                         |
| CAS-24 A11           | 1AS24A11          | A2-11                    | 18.6                                     | 35                               | 610                                            | 110    | 98.1(9927)                                         |
| CAS-24 A15           | 1AS24A15          | A2-15                    | 18.6                                     | 35                               | 610                                            | 110    | 98.1(9927)                                         |

| Spec. 사양<br>Model 형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max. permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight (With standard soft jaws)<br>중량 (표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching soft jaw<br>적용소프트조 |
|----------------------|---------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
|                      |                                                   |                                                                 |                                                          |                                                                                |                            |                            |                             |
| CAS-15 A8            | 147(14876)                                        | 2100                                                            | 98                                                       | 69.6(7.12)                                                                     | YAS, C, P, T-200           | HJ-15A1                    | SJ-15A2                     |
| CAS-15 A11           | 147(14876)                                        | 2100                                                            | 98                                                       | 69.8(7.12)                                                                     | YAS, C, P, T-200           | HJ-15A1                    | SJ-15A2                     |
| CAS-18 A8            | 147(14876)                                        | 1700                                                            | 132                                                      | 135.32(13.8)                                                                   | YAS, C, P, T-200           | HJ-15A1                    | SJ-15A2                     |
| CAS-18 A11           | 147(14876)                                        | 1700                                                            | 132                                                      | 135.32(13.8)                                                                   | YAS, C, P, T-200           | HJ-15A1                    | SJ-15A2                     |
| CAS-21 A11           | 194(19632)                                        | 1500                                                            | 195                                                      | 268.68(27.4)                                                                   | YAS, C, P, T-200           | -                          | SJ-21A2                     |
| CAS-21 A15           | 194(19632)                                        | 1500                                                            | 195                                                      | 268.68(27.4)                                                                   | YAS, C, P, T-200           | -                          | SJ-21A2                     |
| CAS-24 A11           | 194(19632)                                        | 1200                                                            | 250                                                      | 456.2(46.52)                                                                   | YAS, C, P, T-200           | -                          | SJ-21A2                     |
| CAS-24 A15           | 194(19632)                                        | 1200                                                            | 250                                                      | 456.2(46.52)                                                                   | YAS, C, P, T-200           | -                          | SJ-21A2                     |





〈CAS-15, 18, 21, 24〉

Dimension/尺寸/寸法表/치수표

| Item 항목<br>Model 형식 | A   | B   | C   | D       | E  | F     | G      | H      | J  | K(ANSI)   | K(JIS) | L(ANSI) |
|---------------------|-----|-----|-----|---------|----|-------|--------|--------|----|-----------|--------|---------|
| CAS-15 A8           | 381 | 125 | 225 | 139.714 | 20 | 24.21 | 85.725 | 171.45 | 8  | 5/8-11UNC | 6-M16  | 24      |
| CAS-15 A11          | 381 | 125 | 280 | 196.864 | 20 | 29.36 | 117.5  | 235    | 10 | 3/4-10UNC | 6-M20  | 23      |
| CAS-18 A8           | 457 | 125 | 225 | 139.714 | 20 | 24.21 | 85.725 | 171.45 | 8  | 5/8-11UNC | 6-M16  | 24      |
| CAS-18 A11          | 457 | 125 | 280 | 196.864 | 20 | 29.36 | 117.5  | 235    | 10 | 3/4-10UNC | 6-M20  | 23      |
| CAS-21 A11          | 530 | 140 | 280 | 196.864 | 20 | 29.36 | 117.5  | 235    | 10 | 3/4-10UNC | 6-M20  | 33.4    |
| CAS-21 A15          | 530 | 140 | 380 | 285.763 | 22 | 35.71 | 165.1  | 330.2  | 10 | 7/8-9UNC  | 6-M22  | 35.4    |
| CAS-24 A11          | 610 | 140 | 280 | 196.864 | 20 | 29.36 | 117.5  | 235    | 10 | 3/4-10UNC | 6-M20  | 33.4    |
| CAS-24 A15          | 610 | 140 | 380 | 285.763 | 22 | 35.71 | 165.1  | 330.2  | 10 | 7/8-9UNC  | 6-M22  | 35.4    |

| Item 항목<br>Model 형식 | L(JIS) | N max | N min | O max | O min | P max | P min | S  | T   | U       | X  |
|---------------------|--------|-------|-------|-------|-------|-------|-------|----|-----|---------|----|
| CAS-15 A8           | 22.5   | 74.5  | 65.2  | 54.5  | 21.5  | 35    | 0     | 50 | 175 | M27X3.0 | 63 |
| CAS-15 A11          | 26     | 74.5  | 65.2  | 54.5  | 21.5  | 35    | 0     | 50 | 175 | M27X3.0 | 63 |
| CAS-18 A8           | 22.5   | 74.5  | 65.2  | 90.5  | 21.5  | 35    | 0     | 50 | 175 | M27X3.0 | 63 |
| CAS-18 A11          | 26     | 74.5  | 65.2  | 90.5  | 21.5  | 35    | 0     | 50 | 175 | M27X3.0 | 63 |
| CAS-21 A11          | 31     | 101.5 | 92.2  | 100.5 | 21.5  | 35    | 0     | 55 | 220 | M30X3.5 | 75 |
| CAS-21 A15          | 32     | 101.5 | 92.2  | 100.5 | 21.5  | 35    | 0     | 55 | 220 | M30X3.5 | 75 |
| CAS-24 A11          | 31     | 101.5 | 92.2  | 136.5 | 21.5  | 35    | 0     | 55 | 220 | M30X3.5 | 75 |
| CAS-24 A15          | 32     | 101.5 | 92.2  | 136.5 | 21.5  | 35    | 0     | 55 | 220 | M30X3.5 | 75 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.



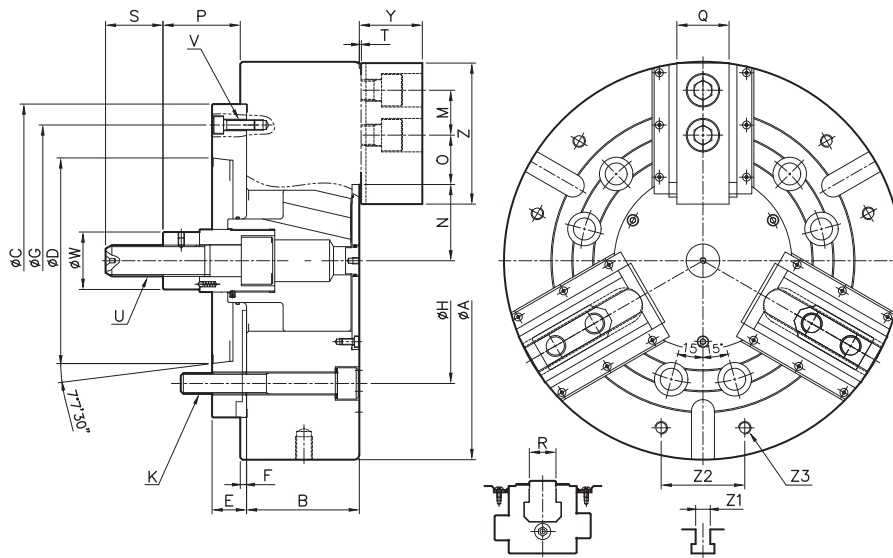
- 아답터 부착형 · 교체시간 단축 · 고성능 · 고품질 · 옵션 부착 용이 · 방진 방수형
- Spindle Direct-Mounting Type · Minimize changing time
- High Performance and High Quality · Convenient Attachment Option
- Dust proof and Water proof
- 防塵と防錆 · 取替え時間短縮 · 高性能, 高品質 · 便利な取付けオプション
- 换装方便 · 性能优, 质量好 · 便于安装选择

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose<br>NO.<br>주축규격 | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|-----------------------------|----------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                             |                                              |                                  | Max 최대                                         | Min 최소 |                                                       |
| CASVA-10           | 1ASVA10           | A2-8                        | 8.8                                          | 25                               | 254                                            | 24     | 32.5(3315)                                            |
| CASVA-12           | 1ASVA12           | A2-8                        | 10.5                                         | 30                               | 304                                            | 26     | 41.5(4233)                                            |
| CASVA-15           | 1ASVA15           | A2-8, 11                    | 16                                           | 35                               | 381                                            | 60     | 81.9(8362)                                            |
| CASVA-18           | 1ASVA18           | A2-8, 11                    | 16                                           | 35                               | 450                                            | 140    | 81.9(8362)                                            |
| CASVA-21           | 1ASVA21           | A2-11, 15                   | 16                                           | 35                               | 530                                            | 82     | 81.9(8362)                                            |
| CASVA-24           | 1ASVA24           | A2-11, 15                   | 16                                           | 35                               | 610                                            | 170    | 81.9(8362)                                            |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>(With standard soft jaws)<br>중량 (표준소프트 죠 포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching<br>soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|--------------------------------|
|                    |                                                   |                                                                |                                                              |                                                                                |                            |                            |                                |
| CASVA-10           | 115(11730)                                        | 4100                                                           | 40                                                           | 12.84(1.31)                                                                    | YAS, C, P, T-125           | HJ-10T1                    | SJ-10T1                        |
| CASVA-12           | 156(16014)                                        | 3400                                                           | 66                                                           | 29.52(3.01)                                                                    | YAS, C, P, T-150           | HJ-12A1                    | SJ-12A2                        |
| CASVA-15           | 248(35391)                                        | 3040                                                           | 96                                                           | 70.5(7.2)                                                                      | YAS, C, P, T-200           | HJ-15A3                    | SJ-15A3                        |
| CASVA-18           | 248(35391)                                        | 2710                                                           | 131                                                          | 95(9.7)                                                                        | YAS, C, P, T-200           | HJ-15A3                    | SJ-15A3                        |
| CASVA-21           | 272(27838)                                        | 1940                                                           | 198                                                          | 188.2(19.2)                                                                    | YAS, C, P, T-200           | HJ-21B1                    | SJ-21A1                        |
| CASVA-24           | 272(27838)                                        | 1760                                                           | 223                                                          | 67.8(6.92)                                                                     | YAS, C, P, T-200           | HJ-21B1                    | SJ-21A1                        |

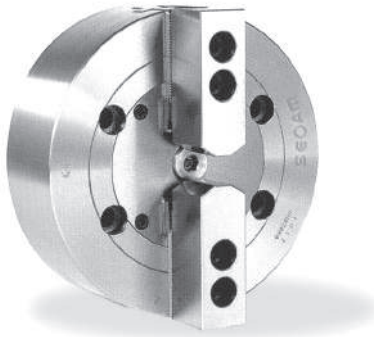


Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | D       | E  | F | G     | H   | K     | M  | N max | N min | O max | O min |
|-------------------|-----|-----|-----|---------|----|---|-------|-----|-------|----|-------|-------|-------|-------|
| CASVA-10          | 254 | 84  | 220 | 139.719 | 26 | 5 | 190   | 171 | 6-M16 | 30 | 51.1  | 46.7  | 30.7  | 11.2  |
| CASVA-12          | 304 | 100 | 220 | 139.719 | 26 | 6 | 190   | 171 | 6-M16 | 30 | 61    | 55.7  | 48.7  | 12.7  |
| CASVA-15          | 381 | 108 | 300 | 196.869 | 33 | 6 | 260   | 235 | 6-M20 | 43 | 73    | 65    | 54.7  | 15.7  |
| CASVA-18          | 450 | 108 | 300 | 196.869 | 33 | 6 | 260   | 235 | 6-M20 | 43 | 106.5 | 98.5  | 48.5  | 23.2  |
| CASVA-21          | 530 | 119 | 380 | 285.775 | 40 | 6 | 330.2 | 330 | 6-M22 | 60 | 86    | 78    | 93.5  | 27.5  |
| CASVA-24          | 610 | 119 | 380 | 285.775 | 40 | 6 | 330.2 | 330 | 6-M22 | 60 | 124.5 | 117   | 93.5  | 27.5  |

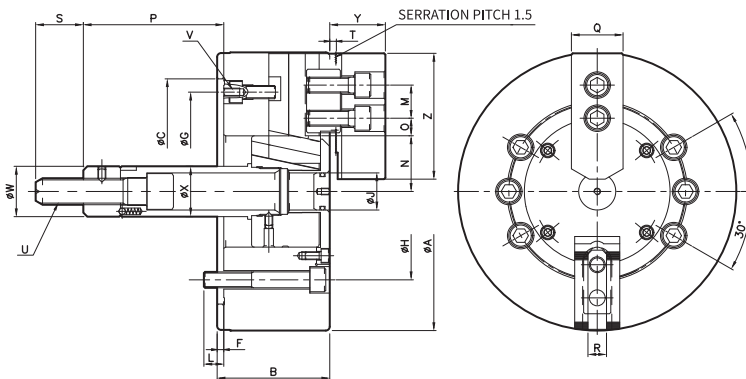
| Item항목<br>Model형식 | P max | P min | Q  | R    | S  | T | U       | V     | W  | X  | Y    | Z   | Z1 | Z2 | Z3    |
|-------------------|-------|-------|----|------|----|---|---------|-------|----|----|------|-----|----|----|-------|
| CASVA-10          | 160   | 135   | 44 | 16   | 36 | 5 | M20X2.5 | 3-M8  | 38 | 32 | 50   | 110 | 14 | 40 | 2-M10 |
| CASVA-12          | 165   | 135   | 50 | 18   | 36 | 5 | M20X2.5 | 3-M8  | 38 | 38 | 54   | 111 | 14 | 40 | 2-M10 |
| CASVA-15          | 109   | 74    | 50 | 25.5 | 55 | 5 | M30X3.5 | 3-M10 | 38 | 44 | 60   | 135 | 22 | 80 | 2-M12 |
| CASVA-18          | 109   | 74    | 50 | 25.5 | 55 | 5 | M30X3.5 | 3-M10 | 55 | 50 | 60.3 | 135 | 22 | 80 | 2-M12 |
| CASVA-21          | 111   | 76    | 65 | 25   | 55 | 6 | M30X3.5 | 3-M12 | 55 | 60 | 71   | 180 | 22 | 80 | 2-M12 |
| CASVA-24          | 111   | 76    | 65 | 25   | 55 | 6 | M30X3.5 | 3-M12 | 55 | 60 | 71   | 180 | 22 | 80 | 2-M12 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

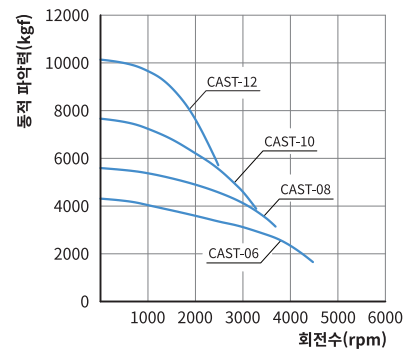


- 이형공작물 파악 • 고성능 • 고정도 • 호환성 확보
- Clamping of Irregular Work
- High Performance and High Accuracy • Compatibility
- 異形工作物把握 • 高性能 高精度 • スピンドル直装型
- 夹紧不规则工件 • 性能好, 精度高 • 直接安装型

## Outward Drawing/外型图/外図/외형도



## Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
 ※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Spindle nose NO.<br>주축규격 | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force/허용<br>실린더력 KN(kgf) |
|--------------------|-------------------|--------------------------|------------------------------------------|----------------------------------|------------------------------------------------|--------|----------------------------------------------------|
|                    |                   |                          |                                          |                                  | Max 최대                                         | Min 최소 |                                                    |
| CAST-06            | 1AST06            | A2-5                     | 9.2                                      | 20                               | 165                                            | 19     | 12.6(1279)                                         |
| CAST-08            | 1AST08            | A2-6                     | 8.8                                      | 21                               | 210                                            | 23     | 18.6(1885)                                         |
| CAST-10            | 1AST10            | A2-8                     | 8.8                                      | 25                               | 254                                            | 24     | 21.6(2187)                                         |
| CAST-12            | 1AST12            | A2-8                     | 10.5                                     | 30                               | 304                                            | 26     | 27.6(2793)                                         |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight (With standard soft jaws)<br>중량 (표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|-----------------------------|
| CAST-06            | 41.9(4241)                                        | 4300                                                           | 12.5                                                     | 1.67(0.17)                                                                     | YAS, C, P, T-100           | SJ-06T1                     |
| CAST-08            | 53.2(5385)                                        | 3600                                                           | 24                                                       | 5.20(0.53)                                                                     | YAS, C, P, T-125           | SJ-08T1                     |
| CAST-10            | 76.5(7742)                                        | 3100                                                           | 35.5                                                     | 11.47(1.17)                                                                    | YAS, C, P, T-125           | SJ-10T1                     |
| CAST-12            | 104.4(10569)                                      | 2500                                                           | 60.5                                                     | 27.75(2.83)                                                                    | YAS, C, P, T-150           | SJ-12A2                     |

## Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | F | G   | H     | J  | K     | L  | M  | N max | N min | O max | O min | P max | P min | Q  | R  | S  | T | U max   | V    | W  | X  | Y  | Z   |
|-------------------|-----|-----|-----|---|-----|-------|----|-------|----|----|-------|-------|-------|-------|-------|-------|----|----|----|---|---------|------|----|----|----|-----|
| CAST-06           | 169 | 74  | 140 | 5 | 116 | 104.8 | 23 | 6-M10 | 14 | 20 | 41    | 36.7  | 13    | 7     | 101.5 | 81.5  | 31 | 12 | 36 | 4 | M16X2.0 | 3-M6 | 32 | 32 | 36 | 72  |
| CAST-08           | 210 | 85  | 170 | 5 | 150 | 133.4 | 28 | 6-M12 | 15 | 25 | 46.3  | 41.9  | 22.5  | 9     | 127   | 106   | 39 | 14 | 36 | 5 | M20X2.5 | 3-M6 | 38 | 38 | 43 | 95  |
| CAST-10           | 254 | 89  | 220 | 5 | 190 | 171.4 | 34 | 6-M16 | 18 | 30 | 51.1  | 46.7  | 30.7  | 11.2  | 158   | 133   | 44 | 16 | 36 | 5 | M20X2.5 | 3-M8 | 38 | 44 | 50 | 110 |
| CAST-12           | 304 | 106 | 220 | 6 | 190 | 171.4 | 39 | 6-M16 | 18 | 30 | 61    | 55.7  | 48.7  | 12.7  | 163   | 133   | 50 | 18 | 36 | 5 | M20X2.5 | 3-M8 | 38 | 50 | 54 | 111 |

# CASF/HC

## 4-조 고속중실형 파워척

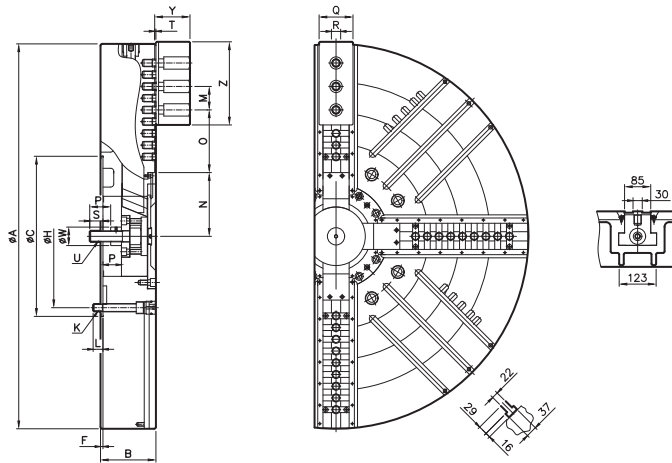
4-JAW CLOSED CENTER COMBINATION CHUCK(HYDRAULIC+INDEPENDENT)

4つ爪高速中実型パワーチャック / 中実两爪动力卡盘4爪

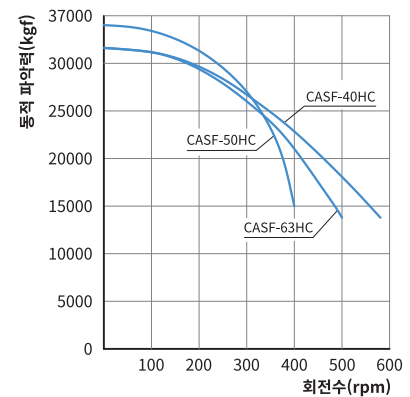


- 이형공작물 파악 · 고성능, 고정도
- Clamping of Irregular Work · High Performance and High Accuracy
- 異形工作物把握 · 高性能, 高精度
- 夹紧不规则工件 · 性能好, 精度高

### Outward Drawing / 外型图 / 外形圖 / 외형도



### Dynamic Gripping Force / 动夹紧力 / 動的把握力 / 動的파악력 선도



### Specifications / 规格 / 仕様表 / 사양표

| Spec. 사양<br>Model 형식 | Order NO.<br>오더번호 | Spindle nose NO.<br>주축규격 | Jaw stroke<br>(Diameter)<br>조 스트로크(직경)mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force/허용<br>실린더력 KN(kgf) |
|----------------------|-------------------|--------------------------|------------------------------------------|----------------------------------|------------------------------------------------|--------|----------------------------------------------------|
|                      |                   |                          |                                          |                                  | Max 최대                                         | Min 최소 |                                                    |
| CASF-40HC            | 1ASF40HC          | -                        | 46+(30)                                  | 57                               | 1000                                           | 187    | 161(16450)                                         |
| CASF-50HC            | 1ASF50HC          | -                        | 46+(30)                                  | 57                               | 1250                                           | 187    | 180(18367)                                         |
| CASF-63HC            | 1ASF63HC          | -                        | 48+(40)                                  | 60                               | 1600                                           | 320    | 196(20000)                                         |

| Spec. 사양<br>Model 형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max. permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight (With standard soft jaws)<br>중량 (표준소프트 조 포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching hard jaw<br>적용하드조 | Matching soft jaw<br>적용소프트조 |
|----------------------|---------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------|
| CASF-40HC            | 320(32653)                                        | 630                                                             | 710                                                       | 1721.8(174.5)                                                                  | YAST-245                   | HJ-40A2                    | SJ-40A2                     |
| CASF-50HC            | 320(32653)                                        | 500                                                             | 860                                                       | 2169(220)                                                                      | YAST-250S                  | HJ-40A2                    | SJ-40A2                     |
| CASF-63HC            | 358(36600)                                        | 400                                                             | 1960                                                      | 4930(500)                                                                      | YAST-250S                  | HJ-40A2                    | SJ-40A2                     |

### Dimension / 尺寸 / 寸法表 / 치수표

| Item 항목<br>Model 형식 | A    | B   | C    | F | H     | J | K     | L  | M    | N max | N min | O max | O min | P max | P min | Q   | R  | S  | T  | U       | W  | X | Y   | Z   |
|---------------------|------|-----|------|---|-------|---|-------|----|------|-------|-------|-------|-------|-------|-------|-----|----|----|----|---------|----|---|-----|-----|
| CASF-40HC           | 1000 | 180 | 520  | 8 | 463.6 | - | 6-M24 | 32 | 76.2 | 207   | 154   | -     | -     | 35    | -25   | 110 | 30 | 68 | 0  | M36×4.0 | 60 | - | 110 | 270 |
| CASF-50HC           | 1250 | 180 | 520  | 8 | 463.6 | - | 8-M24 | 32 | 76.2 | 207   | 154   | -     | -     | 35    | -25   | 110 | 30 | 68 | -4 | M36×4.0 | 60 | - | 106 | 270 |
| CASF-63HC           | 1600 | 240 | 1020 | 8 | 956   | - | 9-M30 | 50 | 76.2 | 251   | 227   | -     | -     | 67    | 7     | 110 | 30 | 68 | -6 | M36×4.0 | 60 | - | 104 | 270 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.

# C11MB·C13M

## 3-조 드로우 다운 척

3-JAW DRAW DOWN CHUCK

3つ爪ドローダウンチャック / 圆柱式外径用三爪动力卡盘



- 안정된 파악 · 다목적 용도
  - C11MB척은 공작물의 외경을 파악하는 구조이며, C13M 척은 내경을 파악하는 구조입니다.
- Stable Clamping · Multiple Utilities
  - C11MB chuck is to clamp outer diameter of work piece, and C13M chuck is to clamp inner diameter.
- 夹紧平稳 · 用途广泛
  - C11MB 卡盘用于对工件外径的夹紧, C13M卡盘用于对工件内径的夹紧.
- 安全な把握 · 多目的な用途
  - C11MB チャックは工作物の外径を把握する構造で, C13Mチャックは内径を把握する構造です.

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

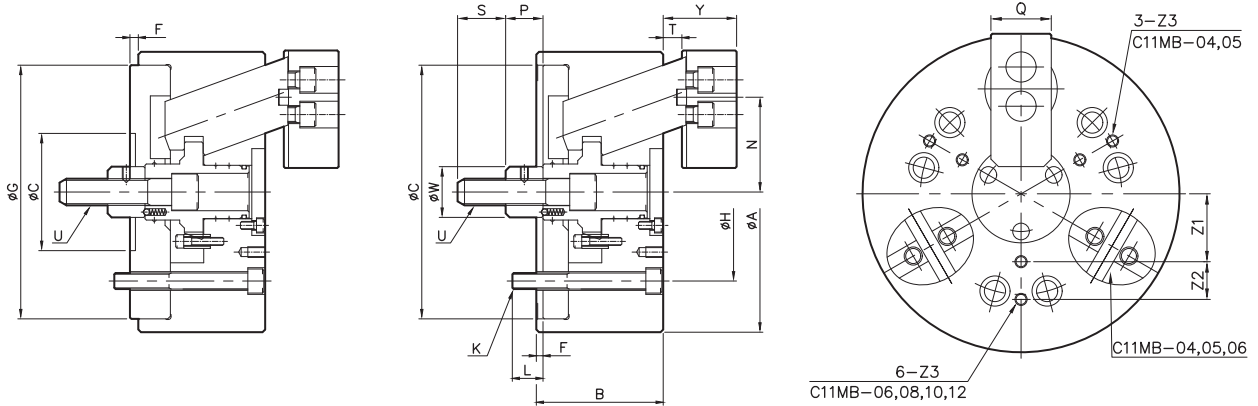
### Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Jaw stroke(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force<br>허용 실린더력<br>KN(kgf) |
|--------------------|-------------------|------------------------------------------|----------------------------------|------------------------------------------------|--------|-------------------------------------------------------|
|                    |                   |                                          |                                  | Max 최대                                         | Min 최소 |                                                       |
| C11MB-04           | 11904             | 5                                        | 7                                | 110                                            | 18     | 5.9(601.8)                                            |
| C11MB-05           | 11905             | 5                                        | 7                                | 130                                            | 25     | 9.8(999.6)                                            |
| C11MB-06           | 11906             | 7.2                                      | 10                               | 165                                            | 35     | 14.7(1499)                                            |
| C11MB-08           | 11908             | 7.2                                      | 10                               | 210                                            | 40     | 24.5(2499)                                            |
| C11MB-10           | 11910             | 10.8                                     | 15                               | 254                                            | 50     | 34.3(3499)                                            |
| C11MB-12           | 11912             | 10.8                                     | 15                               | 304                                            | 50     | 44.1(4498)                                            |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight (With standard soft jaws)<br>중량 (표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 | Matching soft jaw<br>적용소프트조 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|-----------------------------|
| C11MB-04           | 10.3(1051)                                        | 7000                                                           | 4.5                                                      | 0.312(0.032)                                                                   | YAS, C, P, T-65            | SJ-04D1                     |
| C11MB-05           | 16.8(1714)                                        | 6000                                                           | 7.3                                                      | 0.704(0.072)                                                                   | YAS, C, P, T-80            | SJ-04D1                     |
| C11MB-06           | 24.7(2519)                                        | 6000                                                           | 13.8                                                     | 1.764(0.18)                                                                    | YAS, C, P, T-100           | SJ-06D1                     |
| C11MB-08           | 44.1(4498)                                        | 5000                                                           | 27                                                       | 6.64(0.68)                                                                     | YAS, C, P, T-125           | SJ-08D1                     |
| C11MB-10           | 58.8(5998)                                        | 4200                                                           | 45.8                                                     | 14.908(1.52)                                                                   | YAS, C, P, T-150           | SJ-10D1                     |
| C11MB-12           | 73.5(7497)                                        | 3300                                                           | 68                                                       | 31.388(3.20)                                                                   | YAS, C, P, T-150           | SJ-12D1                     |



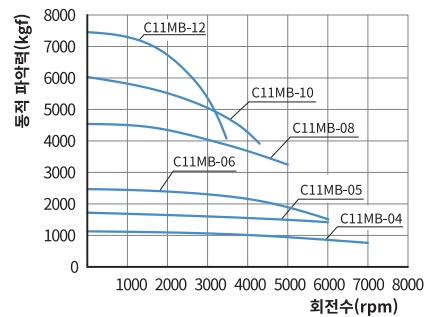
## Outward Drawing/外型图/外刑图/외형도



<C11MB-04, 05>

<C11MB-06,08,10,12>

## Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



## Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B   | C   | F | G   | H      | K     | L  | N max | N min | P max | P min |
|-------------------|-----|-----|-----|---|-----|--------|-------|----|-------|-------|-------|-------|
| C11MB-04          | 110 | 60  | 60  | 5 | 98  | 80     | 3-M8  | 14 | 37    | 34.5  | 19    | 12    |
| C11MB-05          | 130 | 70  | 80  | 5 | 118 | 100    | 3-M8  | 9  | 44    | 41.5  | 19    | 12    |
| C11MB-06          | 165 | 85  | 140 | 5 | -   | 104.77 | 6-M10 | 11 | 58    | 54.4  | 33    | 23    |
| C11MB-08          | 210 | 95  | 190 | 5 | -   | 133.35 | 6-M12 | 23 | 71    | 67.4  | 38    | 28    |
| C11MB-10          | 254 | 110 | 230 | 5 | -   | 171.45 | 6-M12 | 22 | 85    | 79.6  | 47    | 32    |
| C11MB-12          | 304 | 125 | 230 | 5 | -   | 171.45 | 6-M16 | 27 | 102   | 96.6  | 47    | 32    |

| Item항목<br>Model형식 | Q  | S  | T max | T min | U        | W  | X  | Y max | Y min | Z1 | Z2 | Z3       |
|-------------------|----|----|-------|-------|----------|----|----|-------|-------|----|----|----------|
| C11MB-04          | 25 | 20 | 10.5  | 3.5   | M10X1.5  | 25 | 28 | 30    | 23    | 25 | -  | M6XDP11  |
| C11MB-05          | 30 | 25 | 10.5  | 3.5   | M12X1.75 | 28 | 30 | 35    | 28    | 30 | -  | M6XDP11  |
| C11MB-06          | 35 | 36 | 14    | 4     | M16X2.0  | 32 | 35 | 45    | 35    | 35 | 20 | M8XDP13  |
| C11MB-08          | 40 | 36 | 14    | 4     | M20X2.5  | 38 | 42 | 55    | 45    | 45 | 25 | M8XDP13  |
| C11MB-10          | 50 | 46 | 19    | 4     | M24X3.0  | 50 | 52 | 65    | 50    | 55 | 30 | M10XDP17 |
| C11MB-12          | 60 | 50 | 19    | 4     | M27X3.0  | 52 | 55 | 75    | 55    | 70 | 35 | M10XDP17 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

# C63M・C64M

## 강력요동형 척

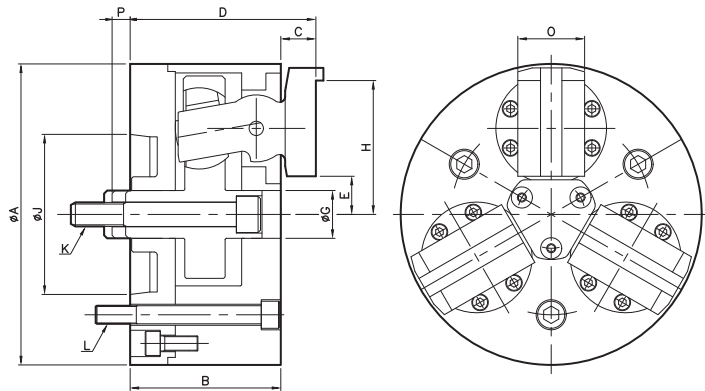
SWING LOCK CHUCK

強力揺動チャック / 摆动锁紧卡盘

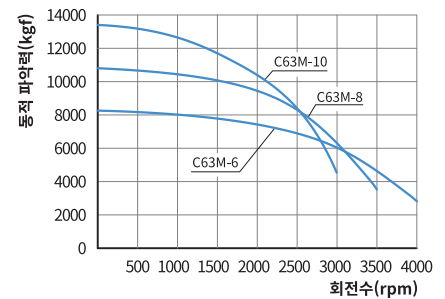


- 강력한 파악력 • 테이퍼부 파악 • 요동형의 조
- 방진성능 우수 • C63M : 3 JAW Type, C64M : 2 JAW Type
- Strong Gripping Force • Clamping Taper Part
- Swing Type Jaw • Excellent Dust-proof Performance
- C63M : 3 JAW Type, C64M : 2 JAW Type
- 夹紧力强 • 夹紧锥形件 • 摆动型卡爪
- 防尘性能好 • C63M : 三爪型, C64M : 两爪型
- 強い把握力 • テーパ部把握 • 揺動型の爪
- 防塵性能優秀 • C63M : 3 JAW Type, C64M : 2 JAW Type

### Outward Drawing/外型图/外刑図/외형도



### Dynamic Gripping Force/动夹紧力/動的把握力グラフ/동적파악력 선도



※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
 ※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications/规格/仕様表/ 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Jaw stroke(Diameter)<br>조 스트로크(직경)<br>mm | Plunger stroke<br>플런저 스트로크<br>mm | Gripping Dia(External gripping)<br>파악경(외경파악)mm |        | Max. permissible<br>input force/허용<br>실린더력 KN(kgf) |
|--------------------|-------------------|------------------------------------------|----------------------------------|------------------------------------------------|--------|----------------------------------------------------|
|                    |                   |                                          |                                  | Max 최대                                         | Min 최소 |                                                    |
| C63M-06            | 1C6306            | 7.4                                      | 11.4                             | 120.0                                          | 12     | 26.5(2700)                                         |
| C63M-08            | 1C6308            | 9.2                                      | 14.4                             | 150.0                                          | 16     | 35(3600)                                           |
| C63M-10            | 1C6310            | 11.8                                     | 17.5                             | 205.0                                          | 50     | 44(4500)                                           |

| Spec.사양<br>Model형식 | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Max.permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight (With standard soft jaws)<br>중량 (표준소프트 조포함)<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching cylinder<br>적용실린더 |
|--------------------|---------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|
| C63M-06            | 79(8100)                                          | 4000                                                           | 18                                                       | 1.47(0.15)                                                                     | YAS, C, P, T-100           |
| C63M-08            | 105(10800)                                        | 3500                                                           | 27                                                       | 4.7(0.48)                                                                      | YAS, C, P, T-125           |
| C63M-10            | 132(13500)                                        | 3000                                                           | 45                                                       | 12(1.23)                                                                       | YAS, C, P, T-150           |

### Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A   | B     | C    | D     | E     | F | G     | Hin   | Hout  | J      | K   | L     | O    | P min | P max |
|-------------------|-----|-------|------|-------|-------|---|-------|-------|-------|--------|-----|-------|------|-------|-------|
| C63M-06           | 162 | 84.2  | 19.3 | 103.5 | 20.3  | - | 30.17 | 22.5  | 73.15 | 82.56  | M16 | 3-M10 | 38.1 | 5.4   | 16.7  |
| C63M-08           | 200 | 100.1 | 23.3 | 123.4 | 25.35 | - | 31.76 | 25.35 | 88.95 | 106.37 | M16 | 3-M12 | 44.4 | 3     | 17.3  |
| C63M-10           | 254 | 118.5 | 29.1 | 147.6 | 30.1  | - | 41.29 | 30.3  | 112.7 | 139.7  | M18 | 3-M16 | 57.1 | 2.7   | 20.2  |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.



# SEOAM

## HYDRAULIC CYLINDER

최고라는 자부심으로 최선을 다합니다.

국내 최초로 유압 실린더를 개발하고 발전 시켰던 축적된 기술력과 끊임없는 노력으로 고속 회전, 소형 경량화 및 초슬림형 제품등 다양한 시리즈로 고객이 믿고 찾을 수 있는 제품과 서비스를 제공하여 드릴것을 약속 하겠습니다.

서암기계공업주식회사는 “최고의 품질”과 “고 정밀도”를 자랑합니다.

We will make a great effort to get customers satisfaction with self-confidence of the best. Having accumulated technologies by developing own hydraulic cylinder series for the first time in Korea and continuous improvement efforts, the SEOAM promises to provide world top class quality products and reliable services with various hydraulic cylinder series directed to realizing high rotating speed, compact and slim design with light weight. SEOAM Machinery is proud of the highest quality and precision products.



## YAH

고속중공형  
회전유압실린더  
BIG BORE  
HYDRAULIC CYLINDER

42P



## YAS

고속중실형  
회전유압실린더  
CLOSED CENTER  
HYDRAULIC CYLINDER

52P



## YLD

고속중공형  
회전유압실린더  
LOW DRAIN  
HYDRAULIC CYLINDER

44P



## YASC

(Check Valve type)  
고속중실형  
회전유압실린더  
CLOSED CENTER  
HYDRAULIC CYLINDER

53P



## YSH

초고속  
중공슬림형 실린더  
SUPER HIGH SPEED BIG BORE  
HYDRAULIC CYLINDER

46P



## YASP

(Proximity Switch Mountable type)  
고속중실형  
회전유압실린더  
CLOSED CENTER  
HYDRAULIC CYLINDER

54P



## YSGH

초고속 중공슬림형  
대관통경 유압실린더  
SUPER HIGH SPEED  
GREAT BORE  
HYDRAULIC CYLINDER

48P



## YAST

(Check Valve+Proximity Switch Type)  
고속중실형  
회전유압실린더  
CLOSED CENTER  
HYDRAULIC CYLINDER

56P



## YSHL

(Long Stroke)  
초고속 중공슬림형  
대관통경 유압실린더  
SUPER HIGH SPEED  
GREAT BORE  
HYDRAULIC CYLINDER

50P



## YMS

(Proximity Switch Type)  
고속중실형  
박형실린더  
CLOSED CENTER  
HYDRAULIC CYLINDER

58P



## CA

쿨란트 콜렉터  
COOLANT COLLECTOR

51P



## YTRC

고속중실형 회전유압실린더  
(주수형, 중심부 관로형성)  
POWER CYLINDER WITH  
THROUGH HOLE

59P



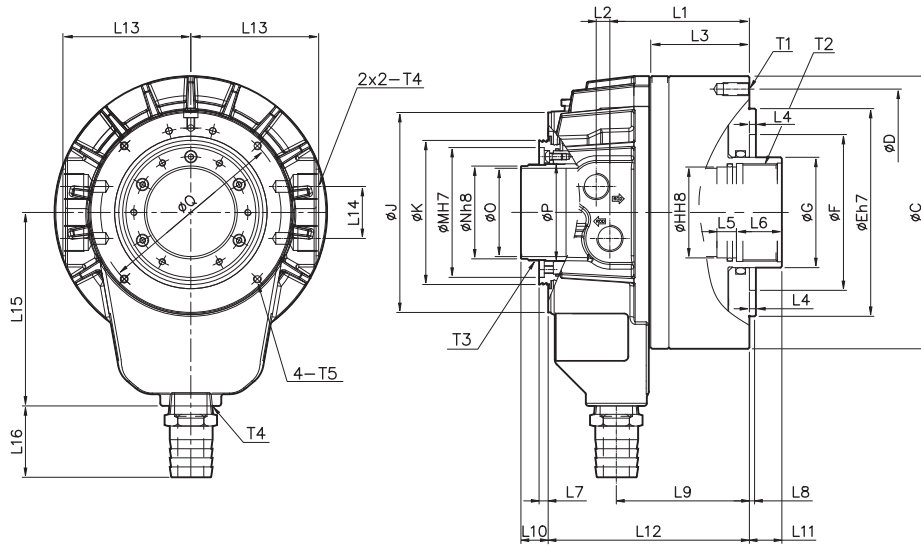
- 안전 확보      • 보수점검이 용이
- 누유방지 설계(특허등록 : 0172805)      • 동급 최대 추력
- Safety Guaranteed      • Easy Repair & Check
- Leakage Prevention Design(Patent Registration:0172805)
- Highest Draw Pull
- 安全確保      • 補修点検が容易
- 漏油防止設計(特許登録)      • 同クラス最大推力
- 保障安全      • 便于检测和维修
- 防泄漏设计(专利注册:0172805)      • 动力强大

## Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Thru hole Dia<br>실린더관통경<br>mm | Piston surface area<br>피스톤 단면적 cm <sup>2</sup> |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |             |
|--------------------|-------------------|-----------------------------|--------------------------------|-------------------------------|------------------------------------------------|---------|--------------------------------------|-------------|
|                    |                   |                             |                                |                               | Push압축                                         | Pull 인축 | Push압축                               | Pull 인축     |
| YAH-06N            | 2AH06N            | 125                         | 15                             | 46                            | 101.5                                          | 89.5    | 35.3(3602)                           | 31.08(3169) |
| YAH-08             | 2AH08             | 160                         | 20                             | 52                            | 162.6                                          | 172.8   | 65.0(6627)                           | 61.2(6236)  |
| YAH-10             | 2AH10             | 185                         | 25                             | 77                            | 197.9                                          | 213.3   | 80.2(8180)                           | 74.5(7590)  |
| YGH-10             | 2GH10             | 185                         | 25                             | 82                            | 190.2                                          | 205.1   | 77.2(7866)                           | 71.6(7295)  |
| YAH-12             | 2AH12             | 205                         | 30                             | 91                            | 235.0                                          | 251.5   | 94.6(9646)                           | 88.4(9013)  |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>Mpa(kgf/cm <sup>2</sup> ) | Max. permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) | Total leakage<br>총드레인량<br>ℓ/min | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching chuck<br>적용척 |
|--------------------|-----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------|--------------------|--------------------------------------------------------------------------------|-----------------------|
|                    |                                                                 |                                                                |                                 |                    |                                                                                |                       |
| YAH-06N            | 40.8                                                            | 7000                                                           | 3.0                             | 12.0               | 0.74(0.074)                                                                    | CAH-06                |
| YAH-08             | 40.8                                                            | 6200                                                           | 3.5                             | 15.5               | 1.96(0.20)                                                                     | CAH-08                |
| YAH-10             | 40.8                                                            | 4700                                                           | 4.2                             | 23.0               | 3.43(0.35)                                                                     | CAH-10                |
| YGH-10             | 40.8                                                            | 4500                                                           | 4.5                             | 29.2               | 4.80(0.49)                                                                     | CGH-10                |
| YAH-12             | 40.8                                                            | 3800                                                           | 4.5                             | 31.0               | 5.69(0.58)                                                                     | CAH-12                |





<YAH-06N, 08, 10, 12 / YGH-10>

Dimension/尺寸/寸法表/치수표

| Model형식 | C   | D   | E   | F   | G   | H  | J   | K     | M   | N  | O  | P   | Q   |
|---------|-----|-----|-----|-----|-----|----|-----|-------|-----|----|----|-----|-----|
| YAH-06N | 156 | 130 | 100 | 80  | 65  | 50 | 108 | 82.2  | 74  | 50 | 46 | 53  | 98  |
| YAH-08  | 195 | 170 | 130 | 90  | 70  | 55 | 120 | 91.2  | 82  | 56 | 52 | 60  | 110 |
| YAH-10  | 218 | 190 | 160 | 120 | 95  | 80 | 145 | 116.2 | 107 | 81 | 77 | 85  | 135 |
| YGH-10  | 223 | 190 | 160 | 125 | 100 | 86 | 167 | 121.2 | 112 | 87 | 82 | 90  | 154 |
| YAH-12  | 247 | 215 | 180 | 135 | 110 | 95 | 167 | 131.2 | 122 | 96 | 91 | 100 | 154 |

| Model형식 | L1    | L2 | L3    | L4  | L5 | L6 | L7 | L8 | L9    | L10 max | L10 min | L11 max | L11 min |
|---------|-------|----|-------|-----|----|----|----|----|-------|---------|---------|---------|---------|
| YAH-06N | 126.5 | 11 | 76    | 5.5 | 15 | 30 | 11 | 5  | 116.6 | 34      | 19      | 15      | 0       |
| YAH-08  | 130   | 12 | 88.5  | 5.5 | 15 | 30 | 6  | 5  | 119.5 | 39      | 19      | 20      | 0       |
| YAH-10  | 143   | 12 | 95.5  | 5.5 | 15 | 35 | 6  | 5  | 126.5 | 44      | 19      | 25      | 0       |
| YGH-10  | 149.5 | 14 | 95.5  | 5.5 | 15 | 35 | 6  | 5  | 128.5 | 44      | 19      | 25      | 0       |
| YAH-12  | 162.5 | 14 | 108.5 | 5.5 | 15 | 35 | 6  | 5  | 141.5 | 49      | 19      | 30      | 0       |

| Model형식 | L12 | L13 | L14 | L15 | L16 | T1        | T2        | T3       | T4     | T5    |
|---------|-----|-----|-----|-----|-----|-----------|-----------|----------|--------|-------|
| YAH-06N | 181 | 75  | 36  | 120 | 40  | 6-M10X18  | M55XP2.0  | M52XP1.5 | PT-1/2 | M5X10 |
| YAH-08  | 186 | 81  | 36  | 130 | 40  | 6-M10X18  | M60XP2.0  | M58XP1.5 | PT-1/2 | M5X10 |
| YAH-10  | 208 | 95  | 36  | 150 | 40  | 12-M10X18 | M85XP2.0  | M84XP2.0 | PT-1/2 | M5X10 |
| YGH-10  | 217 | 107 | 36  | 166 | 40  | 12-M10X18 | M90XP2.0  | M89XP2.0 | PT-1/2 | M6X10 |
| YAH-12  | 230 | 107 | 36  | 166 | 40  | 12-M12X22 | M100XP2.0 | M99XP2.0 | PT-1/2 | M5X10 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

Model Description/型号说明/型式番号表示/형식번호 표시

Y   H     -    

Cylinder Size      Blank | Standard  
CA | Coolant Collector

Cylinder Model A | Big Bore(표준형)  
G | Great Bore(대관통경)

YAS   -      

Cylinder Size

Blank | Standard  
C | Check Valve Type  
P | Proximity Switch Type  
T | Check Valve + Proximity Switch Type



- 호환성 실현 • 소형화 경량화 • 안전 확보
- 누유방지 설계(특허등록:0172805) • 로우드레인
- Compatibility • Small Size & Light Weight • Safety Guaranteed
- Leakage Prevention Design • Highest Draw Pull • Low Drain
- 互换性实现 • 小型化, 轻量化 • 安全確保
- 漏油防止設計(特許登録) • 低ドレイン
- 实现兼容性 • 体积小, 重量轻 • 保障安全
- 防泄漏设计(专利注册:0172805) • 低耗排水

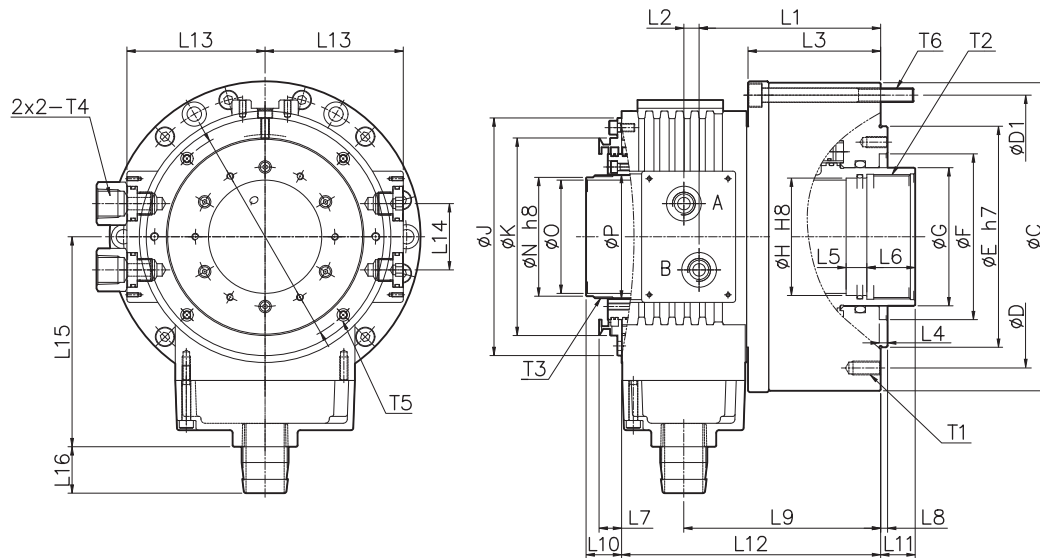
※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurment.

#### Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Thru hole Dia<br>실린더관통경<br>mm | Piston surface area<br>피스톤 단면적 cm <sup>2</sup> |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|--------------------|-------------------|-----------------------------|--------------------------------|-------------------------------|------------------------------------------------|---------|--------------------------------------|--------------|
|                    |                   |                             |                                |                               | Push 압축                                        | Pull 인축 | Push 압축                              | Pull 인축      |
| YLD-06             | 2LD06             | 132                         | 25                             | 46.5                          | 101.5                                          | 89.5    | 41.9(4277)                           | 37(3771)     |
| YLDG-06            | 2LDG06            | 156                         | 25                             | 52                            | 131.6                                          | 122.62  | 54.4(5545)                           | 50.7(5167)   |
| YLDG-08            | 2LDG08            | 170                         | 29                             | 68                            | 179.6                                          | 166.2   | 74.2(7568)                           | 68.7(7003)   |
| YLDG-10            | 2LDG10            | 185                         | 30                             | 82                            | 203.9                                          | 188.3   | 83.3(8498)                           | 77(7848)     |
| YLDG-12            | 2LDG12            | 215                         | 35                             | 103                           | 249                                            | 236.3   | 90.7(9245)                           | 86(8773)     |
| YLDL-15            | 2LDL15            | 255                         | 50                             | 117.5                         | 384.3                                          | 351.7   | 138.4(14111)                         | 126.6(12914) |
| YLDL-21            | 2LDL21            | 305                         | 51                             | 166.5                         | 486.9                                          | 442     | 144.4(14724)                         | 131(13366)   |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>kgf/cm <sup>2</sup> | Max.permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) | Total leakage<br>총드레인량<br>ℓ/min | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching chuck<br>적용척 |
|--------------------|-----------------------------------------------------------|---------------------------------------------------------------|---------------------------------|--------------------|--------------------------------------------------------------------------------|-----------------------|
|                    |                                                           |                                                               |                                 |                    |                                                                                |                       |
| YLD-06             | 45.8                                                      | 7000                                                          | 2.5                             | 11.5               | 0.2(0.021)                                                                     | CAH-06                |
| YLDG-06            | 45.8                                                      | 6200                                                          | 3.0                             | 14                 | 0.30(0.031)                                                                    | CAH-08                |
| YLDG-08            | 45.8                                                      | 5600                                                          | 3.2                             | 16.5               | 0.63(0.065)                                                                    | CGH-08                |
| YLDG-10            | 45.8                                                      | 4800                                                          | 3.5                             | 26                 | 0.95(0.097)                                                                    | CGH-10                |
| YLDG-12            | 40.8                                                      | 3500                                                          | 3.5                             | 36                 | 18.0(1.84)                                                                     | CGH-12                |
| YLDL-15            | 40.8                                                      | 3000                                                          | 7                               | 52                 | 18.6(1.9)                                                                      | CAH-15, 18, 21, 24    |
| YLDL-21            | 33.6                                                      | 2000                                                          | 8.4                             | 95                 | 29.43(3.0)                                                                     | CAH-21, 24            |



### Dimension/尺寸/寸法表/치수표

| Model형식\Item항목 | C   | D   | D1  | E   | F   | G   | H   | J     | K   | N     | O     | P     | Q   |
|----------------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|-------|-------|-----|
| YLD-06         | 162 | 130 | 147 | 100 | 80  | 65  | 48  | 113   | 92  | 50    | 46.5  | 53    | 102 |
| YLDG-06        | 190 | 170 | 170 | 130 | 80  | 70  | 55  | 129   | 107 | 58    | 52    | 61    | 120 |
| YLDG-08        | 210 | 190 | 190 | 170 | 120 | 85  | 70  | 154   | 130 | 71.5  | 68    | 75.3  | 143 |
| YLDG-10        | 223 | 190 | 205 | 160 | 120 | 100 | 85  | 169.5 | 146 | 86    | 82    | 90    | 160 |
| YLDG-12        | 266 | 225 | 240 | 200 | 145 | 125 | 106 | 199   | 178 | 116   | 103   | 120.2 | 190 |
| YLDL-15        | 310 | 275 | 275 | 230 | 170 | 140 | 123 | 213.7 | 182 | 122   | 117.5 | 125   | 198 |
| YLDL-21        | 370 | 290 | 345 | 260 | 240 | 190 | 170 | 274   | 247 | 170.5 | 166.5 | 175.2 | 264 |

| Model형식 | Item항목  | L1    | L2   | L3    | L4 | L5 | L6 | L7   | L8 | L9    | L10 max | L10 min | L11 max | L11 min |
|---------|---------|-------|------|-------|----|----|----|------|----|-------|---------|---------|---------|---------|
|         |         |       |      |       |    |    |    |      |    |       |         |         |         |         |
|         | YLD-06  | 116.2 | 8.4  | 86    | 8  | 15 | 30 | 16.5 | 5  | 120   | 49      | 24      | 15      | -10     |
|         | YLDG-06 | 104   | 10   | 75.5  | 8  | 15 | 30 | 16   | 5  | 109.5 | 52      | 27      | 22      | -3      |
|         | YLDG-08 | 122.5 | 12   | 91    | 9  | 15 | 38 | 16   | 5  | 131   | 50.7    | 21.7    | 25      | -4      |
|         | YLDG-10 | 133.2 | 11   | 101   | 8  | 15 | 35 | 16.7 | 5  | 143.5 | 53      | 23      | 25      | -5      |
|         | YLDG-12 | 142   | 16   | 105.5 | 6  | 15 | 30 | 16.3 | 5  | 153   | 63      | 28      | 35      | 0       |
|         | YLDL-15 | 178.1 | 14.1 | 129   | 6  | 20 | 45 | 17.8 | 6  | 191   | 77      | 27      | 46      | -4      |
|         | YLDL-21 | 188.5 | 14.5 | 140   | 7  | 20 | 45 | 16.3 | 5  | 200   | 81      | 30      | 51      | 0       |

| Item항목  | L12   | L13  | L14 | L15   | L16 | T1        | T2        | T3        | T4     | T5      | T6          |
|---------|-------|------|-----|-------|-----|-----------|-----------|-----------|--------|---------|-------------|
| Model형식 |       |      |     |       |     |           |           |           |        |         |             |
| YLD-06  | 157.5 | 76.5 | 36  | 119.5 | 40  | 12-M10X15 | M52XP2.0  | M52XP1.5  | PT-1/2 | 4-M6X10 | 6-M8X90L    |
| YLDG-06 | 147   | 83   | 36  | 128   | 40  | 12-M10X15 | M60XP2.0  | M60XP1.5  | PT-1/2 | 4-M6X10 | 6-M8X85L    |
| YLDG-08 | 170.8 | 94   | 40  | 139   | 40  | 12-M10X15 | M75XP2.0  | M74XP1.5  | PT-1/2 | 4-M6X10 | 6-M10X100L  |
| YLDG-10 | 186.5 | 104  | 40  | 160.5 | 40  | 12-M10X15 | M90XP2.0  | M89XP2.0  | PT-1/2 | 4-M6X12 | 6-M10X110L  |
| YLDG-12 | 200   | 120  | 48  | 174.5 | 40  | 12-M12X22 | M112XP2.0 | M120XP2.0 | PT-1/2 | 4-M6X10 | 6-M12X110L  |
| YLDL-15 | 251   | 136  | 48  | 195   | 40  | 12-M16X32 | M130XP2.0 | M124XP2.0 | PT-1/2 | 4-M6X10 | 8-M12X140L  |
| YLDL-21 | 260   | 168  | 48  | 229.5 | 40  | 12-M16X32 | M180XP2.0 | M173XP2.0 | PT-1/2 | 4-M6X12 | 12-M12X150L |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.

# YSH

## 초고속 중공슬림형 실린더

SUPER HIGH SPEED BIG BORE HYDRAULIC CYLINDER

超高速中空スリム型シリンダー / 超大通孔油缸



- 호환성 실현 • 소형화 경량화 • 안전 확보
- 누유방지 설계(특허등록:0172805) • 동급 최대 추력
- Compatibility • Small Size & Light Weight • Safety Guaranteed
- Leakage Prevention Design • Highest Draw Pull
- 互換性実現 • 小型化 軽量化 • 安全確保
- 漏油防止設計(特許登録) • 同クラス最大推力
- 实现兼容性 • 体积小 重量轻 • 保障安全
- 防泄漏设计(专利注册:0172805) • 动力强大

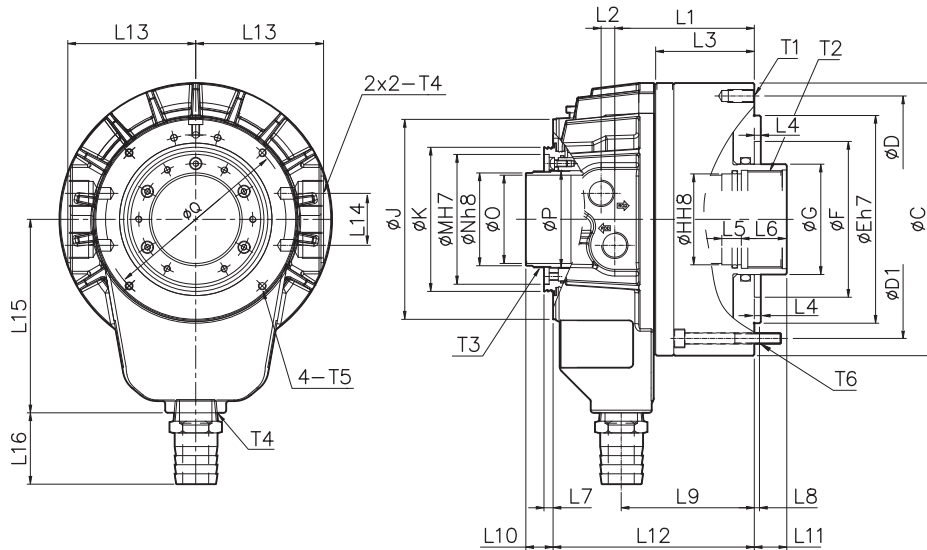
※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

### Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Thru hole Dia<br>실린더관통경<br>mm | Piston surface area<br>피스톤 단면적 $\text{cm}^2$ |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|--------------------|-------------------|-----------------------------|--------------------------------|-------------------------------|----------------------------------------------|---------|--------------------------------------|--------------|
|                    |                   |                             |                                |                               | Push압축                                       | Pull 인축 | Push압축                               | Pull 인축      |
| YSH-06             | 2SH06             | 130                         | 9                              | 43                            | 102.1                                        | 91.04   | 37(3749)                             | 33(3341)     |
| YSH-08             | 2SH08             | 156                         | 22                             | 52                            | 159.77                                       | 148.62  | 57.6(5879)                           | 53.6(5469)   |
| YSH-10             | 2SH10             | 185                         | 25                             | 77                            | 209                                          | 193.9   | 77.9(7944)                           | 72.1(7357)   |
| YSH-15             | 2SH15             | 250                         | 23                             | 117.5                         | 364.4                                        | 331.8   | 129.8(13233.4)                       | 118.2(12050) |
| YSH-21             | 2SH21             | 280                         | 35                             | 166.5                         | 372.1                                        | 327.1   | 111.5(11376)                         | 98(10002)    |
| YSH-32             | 2SH32             | 390                         | 35                             | 240                           | 683                                          | 643     | 101.4(10245)                         | 95.4(9645)   |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>Mpa(kgf/ $\text{cm}^2$ ) | Max. permissible speed<br>최고사용회전수<br>r.p.m( $\text{min}^{-1}$ ) | Total leakage<br>총드레인량<br>$\ell / \text{min}$ | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>$\text{N} \cdot \text{m}^2 (\text{kgf} \cdot \text{m}^2)$ | Matching chuck<br>적용척 |
|--------------------|----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------|-----------------------|
|                    |                                                                |                                                                 |                                               |                    |                                                                                                   |                       |
| YSH-06             | 40.8                                                           | 7000                                                            | 3                                             | 9.5                | 0.20(0.021)                                                                                       | CAH-06                |
| YSH-08             | 40.8                                                           | 6200                                                            | 3.9                                           | 13.5               | 0.39(0.040)                                                                                       | CAH-08                |
| YSH-10             | 40.8                                                           | 5000                                                            | 4.2                                           | 16.8               | 0.81(0.083)                                                                                       | CAH-10                |
| YSH-15             | 40.8                                                           | 3000                                                            | 7                                             | 52                 | 18.6(1.9)                                                                                         | CAH-15, 18, 21, 24    |
| YSH-21             | 33.6                                                           | 2000                                                            | 8.4                                           | 74                 | 29.43(3)                                                                                          | CAH-21, 24            |
| YSH-32             | 25                                                             | 1500                                                            | 18                                            | 130                | 39.2(4)                                                                                           | CAH-32                |



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | C   | D   | D1  | E   | F   | G   | H   | J   | K   | M   | N     | O     | P   | Q   |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|-----|
| YSH-06            | 165 | 147 | 147 | 130 | 75  | 65  | 48  | 116 | 85  | 76  | 50    | 43    | 50  | 98  |
| YSH-08            | 190 | 170 | -   | 40  | 90  | 70  | 55  | 126 | 90  | 81  | 56    | 52    | 60  | 113 |
| YSH-10            | 222 | 190 | 200 | 160 | 120 | 95  | 80  | 164 | 121 | 110 | 81    | 77    | 85  | 155 |
| YSH-15            | 307 | 275 | -   | 230 | 170 | 140 | 123 | 216 | 167 | 152 | 122   | 117.5 | 125 | 198 |
| YSH-21            | 354 | 290 | -   | 260 | 240 | 190 | 170 | 278 | 217 | 205 | 170.5 | 166.5 | 175 | 256 |
| YSH-32            | 454 | 420 | -   | 320 | 280 | 265 | 243 | 358 | 297 | 285 | 250.5 | 240   | 255 | 330 |

| Item항목<br>Model형식 | L1    | L2   | L3   | L4 | L5 | L6 | L7   | L8 | L9    | L10 max | L10 min | L11 max | L11 min |
|-------------------|-------|------|------|----|----|----|------|----|-------|---------|---------|---------|---------|
| YSH-06            | 81.7  | 7.4  | 56.9 | 10 | 15 | 30 | 7    | 8  | 86.4  | 40      | 31      | 9       | 0       |
| YSH-08            | 100.1 | 8.9  | 74   | 6  | 15 | 30 | 7    | 5  | 105.2 | 43      | 21      | 22      | 0       |
| YSH-10            | 115.2 | 12.7 | 86   | 5  | 15 | 35 | 7    | 5  | 112.5 | 46      | 21      | 25      | 0       |
| YSH-15            | 141.5 | 18.5 | 102  | 6  | 20 | 45 | 9.85 | 6  | 163   | 46.3    | 23.3    | 24      | 1       |
| YSH-21            | 166.5 | 18.5 | 123  | 7  | 20 | 45 | 9.85 | 5  | 184   | 60.3    | 25.3    | 35      | 0       |
| YSH-32            | 170   | 18.5 | 122  | 5  | 20 | 45 | 9.85 | 5  | 197   | 60      | 25      | 35      |         |

| Item항목<br>Model형식 | L12   | L13   | L14  | L15 | L16 | T1        | T2        | T3        | T4     | T5      | T6      |
|-------------------|-------|-------|------|-----|-----|-----------|-----------|-----------|--------|---------|---------|
| YSH-06            | 81.7  | 78    | 56.9 | 120 | 55  | 6-M10X18  | M52XP1.5  | M52XP1.5  | PT-3/8 | 4-M5X10 | 6-M8X65 |
| YSH-08            | 138.5 | 86    | 40   | 130 | 55  | 6-M10X18  | M60XP1.5  | M58XP1.5  | PT-1/2 | 4-M5X10 | -       |
| YSH-10            | 155   | 88    | 40   | 149 | 55  | 6-M10X18  | M85XP2.0  | M84XP2.0  | PT-1/2 | 4-M5X10 | 8-M8X95 |
| YSH-15            | 241   | 140   | 40   | 215 | 50  | 12-M16X32 | M130XP2.0 | M124XP2.0 | PT-1/2 | 4-M6X10 | -       |
| YSH-21            | 259.5 | 172.6 | 40   | 250 | 55  | 12-M16X32 | M180XP2.8 | M173XP2.0 | PT-1/2 | 4-M6X10 | -       |
| YSH-32            | 277   | 214   | 40   | 332 | 58  | 12-M16X40 | M250XP3.0 | M253XP2.0 | PT-1/2 | 6-M6X10 | -       |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.



- 호환성 실현 · 소형화 경량화 · 안전 확보
- 누유방지 설계(특허등록:0172805) · 동급 최대 추력
- Compatibility · Small Size & Light Weight · Safety Guaranteed
- Leakage Prevention Design · Highest Draw Pull
- 互换性实现 · 小型化, 轻量化 · 安全確保
- 漏油防止設計(特許登録) · 同クラス最大推力
- 实现兼容性 · 体积小, 重量轻 · 保障安全
- 防泄漏设计(专利注册:0172805) · 动力强大

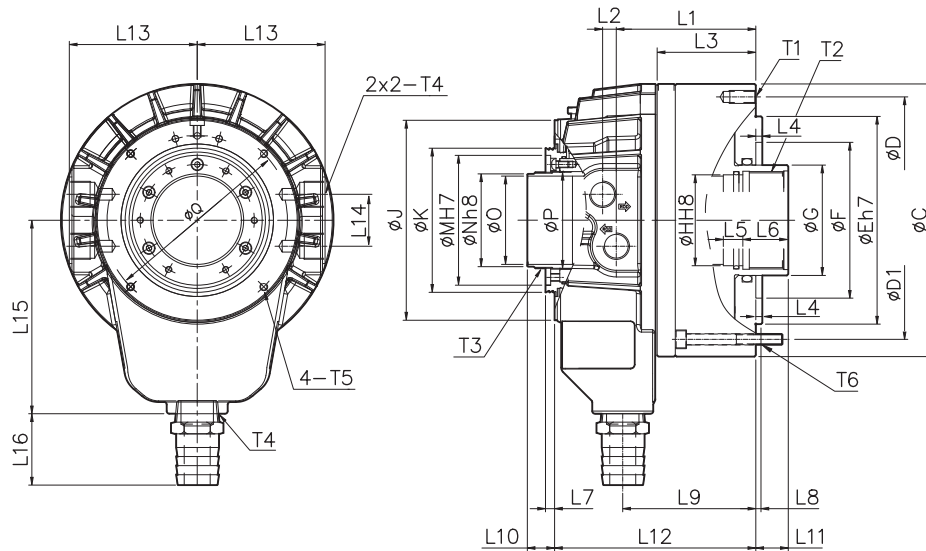
※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

#### Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Thru hole Dia<br>실린더관통경<br>mm | Piston surface area<br>피스톤 단면적 $\text{cm}^2$ |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|--------------------|-------------------|-----------------------------|--------------------------------|-------------------------------|----------------------------------------------|---------|--------------------------------------|--------------|
|                    |                   |                             |                                |                               | Push 압축                                      | Pull 인축 | Push 압축                              | Pull 인축      |
| YSGH-06            | 2SGH06            | 145                         | 25                             | 52                            | 131.6                                        | 122.6   | 43.7(4456)                           | 40.7(415)    |
| YSGH-08            | 2SGH08            | 170                         | 25                             | 68                            | 179.6                                        | 166.2   | 66.8(6814)                           | 61.8(6306)   |
| YSGH-10            | 2SGH10            | 189                         | 25                             | 82                            | 213                                          | 197.5   | 76.9(7848)                           | 71.3(7273)   |
| YSGH-12            | 2SGH12            | 215                         | 35                             | 103                           | 262.3                                        | 245.9   | 85.0(8667.2)                         | 79.7(8127.6) |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>$\text{kgf}/\text{cm}^2$ | Max. permissible speed<br>최고사용회전수<br>$\text{r.p.m}(\text{min}^{-1})$ | Total leakage<br>총드레인량<br>$\ell/\text{min}$ | Weight<br>중량<br>kg | $\text{GD}^2$<br>Moment of inertia<br>$\text{N} \cdot \text{m}^2 (\text{kgf} \cdot \text{m}^2)$ | Matching chuck<br>적용척 |
|--------------------|----------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------|-----------------------|
|                    |                                                                |                                                                      |                                             |                    |                                                                                                 |                       |
| YSGH-06            | 40.8                                                           | 6500                                                                 | 3.9                                         | 12.7               | 0.30(0.031)                                                                                     | CGH-06                |
| YSGH-08            | 40.8                                                           | 5600                                                                 | 4                                           | 16.5               | 0.63(0.065)                                                                                     | CGH-08                |
| YSGH-10            | 40.8                                                           | 4800                                                                 | 4.5                                         | 26                 | 0.95(0.097)                                                                                     | CGH-10                |
| YSGH-12            | 40.8                                                           | 3500                                                                 | 6                                           | 36                 | 18.0(1.84)                                                                                      | CGH-12                |



Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | C   | D   | D1  | E   | F   | G   | H   | J   | K   | M   | N    | O   | P   | Q   |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
| YSGH-06           | 180 | 165 | 170 | 140 | 80  | 70  | 55  | 135 | 96  | 85  | 59.5 | 52  | 62  | 110 |
| YSGH-08           | 210 | 190 | 190 | 160 | 120 | 85  | 70  | 154 | 111 | 100 | 71.5 | 68  | 75  | 145 |
| YSGH-10           | 226 | 190 | 205 | 160 | 120 | 100 | 85  | 164 | 128 | 117 | 86   | 82  | 90  | 155 |
| YSGH-12           | 263 | 225 | 240 | 200 | 145 | 120 | 106 | 202 | 148 | 135 | 108  | 103 | 112 | 190 |

| Item항목<br>Model형식 | L1    | L2   | L3    | L4  | L5 | L6 | L7  | L8 | L9    | L10 max | L10 min | L11 max | L11 min |
|-------------------|-------|------|-------|-----|----|----|-----|----|-------|---------|---------|---------|---------|
| YSGH-06           | 99    | 9    | 75.5  | 11  | 10 | 20 | 121 | 8  | 102   | 83      | 58      | 22      | -3      |
| YSGH-08           | 105.2 | 12.7 | 76    | 5   | 15 | 35 | 7   | 5  | 102.5 | 46      | 21      | 25      | 0       |
| YSGH-10           | 122.2 | 12.7 | 90    | 5   | 15 | 35 | 7   | 5  | 125   | 46      | 21      | 25      | 0       |
| YSGH-12           | 148   | 14   | 108.5 | 5.5 | 15 | 30 | 7   | 5  | 155   | 55      | 20      | 35      | 0       |

| Item항목<br>Model형식 | L12   | L13 | L14 | L15 | L16 | T1        | T2        | T3        | T4     | T5      | T6        |
|-------------------|-------|-----|-----|-----|-----|-----------|-----------|-----------|--------|---------|-----------|
| YSGH-06           | 138.5 | 86  | 40  | 130 | 55  | 12-M10X18 | M60XP1.5  | M60XP1.5  | PT-3/8 | 4-M6X6  | 6-M8X80   |
| YSGH-08           | 155   | 88  | 40  | 149 | 55  | 6-M10X18  | M75XP2.0  | M74XP1.5  | PT-1/2 | 4-M5X10 | 6-M10X85  |
| YSGH-10           | 175   | 102 | 40  | 170 | 55  | 12-M10X18 | M90XP2.0  | M89XP2.0  | PT-1/2 | 4-M6X15 | 6-M10X100 |
| YSGH-12           | 211   | 126 | 40  | 195 | 55  | 12-M16X32 | M111XP2.0 | M111XP2.0 | PT-1/2 | 4-M6X15 | 6-M12X120 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.

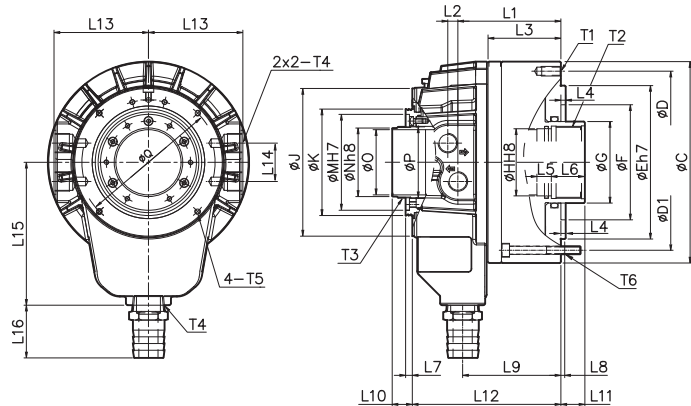


# YSHL

## 초고속 중공슬림형 실린더(롱스트로크)

SUPER HIGH SPEED BIG BORE HYDRAULIC(Long Stroke)

超高速中空スリム型シリンダー / 超大通孔油缸



- 호환성 실현 • 소형화 경량화 • 안전 확보 • 누유방지 설계(특허등록:0172805) • 동급 최대 추력
- Compatibility • Small Size & Light Weight • Safety Guaranteed • Leakage Prevention Design • Highest Draw Pull
- 互換性実現 • 小型化, 軽量化 • 安全確保 • 漏油防止設計(特許登録) • 同クラス最大推力
- 实现兼容性 • 体积小, 重量轻 • 保障安全 • 防泄漏设计(专利注册:0172805) • 动力强大

※ 하용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

### Specifications/规格/仕様表/ 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Thru hole Dia<br>실린더관통경<br>mm | Piston surface area<br>피스톤 단면적 cm <sup>2</sup> |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|--------------------|-------------------|-----------------------------|--------------------------------|-------------------------------|------------------------------------------------|---------|--------------------------------------|--------------|
|                    |                   |                             |                                |                               | Push 압축                                        | Pull 인축 | Push 압축                              | Pull 인축      |
| YSHL-15            | 2SHL15            | 250                         | 50                             | 117.5                         | 364.4                                          | 331.8   | 129.8(13233)                         | 118.2(12050) |
| YSHL-21            | 2SHL21            | 280                         | 51                             | 166.5                         | 372.1                                          | 327.1   | 111.5(11376)                         | 98(10002)    |
| YSHL-32            | 2SHL32            | 390                         | 51                             | 240                           | 683                                            | 643     | 101.4(10245)                         | 95.4(9645)   |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>kgf/cm <sup>2</sup> | Max.permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) | Total leakage<br>총드레인량<br>ℓ/min | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching chuck<br>적용척 |
|--------------------|-----------------------------------------------------------|---------------------------------------------------------------|---------------------------------|--------------------|--------------------------------------------------------------------------------|-----------------------|
|                    |                                                           |                                                               |                                 |                    |                                                                                |                       |
| YSHL-15            | 40.8                                                      | 3000                                                          | 7                               | 52                 | 18.6(1.9)                                                                      | CAH-15, 18, 24        |
| YSHL-21            | 33.6                                                      | 2000                                                          | 8.4                             | 77                 | 29.43(3)                                                                       | CAH-21, 24            |
| YSHL-32            | 25                                                        | 1500                                                          | 18                              | 135                | 39.2(4)                                                                        | CAH-32                |

### Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | C   | D   | D1  | E   | F   | G   | H   | J   | K   | M   | N     | O     | P   | Q   |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|-----|
| YSHL-15           | 307 | 275 | 275 | 230 | 170 | 140 | 123 | 216 | 167 | 152 | 122   | 117.5 | 175 | 256 |
| YSHL-21           | 354 | 290 | 345 | 260 | 240 | 190 | 170 | 278 | 217 | 205 | 170.5 | 166.5 | 175 | 256 |
| YSHL-32           | 454 | 420 | -   | 320 | 280 | 265 | 243 | 358 | 297 | 285 | 250.5 | 240   | 255 | 330 |

| Item항목<br>Model형식 | L1    | L2   | L3  | L4 | L5 | L6 | L7   | L8 | L9  | L10 max | L10 min | L11 max | L11 min |
|-------------------|-------|------|-----|----|----|----|------|----|-----|---------|---------|---------|---------|
| YSHL-15           | 168.5 | 18.5 | 129 | 6  | 20 | 45 | 9.85 | 6  | 190 | 76      | 26      | 46      | -4      |
| YSHL-21           | 182.5 | 18.5 | 139 | 7  | 20 | 45 | 9.85 | 5  | 200 | 76.3    | 25.3    | 51      | 0       |
| YSHL-32           | 186   | 18.5 | 138 | 5  | 20 | 45 | 9.85 | 5  | 213 | 76      | 25      | 50      | -1      |

| Item항목<br>Model형식 | L12   | L13   | L14 | L15 | L16 | T1        | T2        | T3        | T4     | T5      | T6         |
|-------------------|-------|-------|-----|-----|-----|-----------|-----------|-----------|--------|---------|------------|
| YSHL-15           | 241   | 140   | 40  | 215 | 50  | 12-M16X32 | M124XP2.0 | M111XP2.0 | PT-1/2 | 4-M6X10 | 8-M12X140  |
| YSHL-21           | 259.5 | 172.6 | 40  | 255 | 55  | 12-M16X32 | M180XP3.0 | M173XP2.0 | PT-1/2 | 4-M6X10 | 12-M12X150 |
| YSHL-32           | 277   | 214   | 40  | 332 | 58  | 12-M16X40 | M250XP3.0 | M253XP2.0 | PT-1/2 | 6-M6X15 | -          |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.

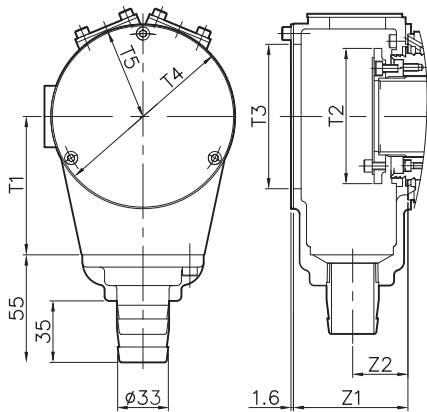
# CA

## 쿨란트 콜렉터 COOLANT COLLECTOR クーラントコレクター / 冷却液收集器

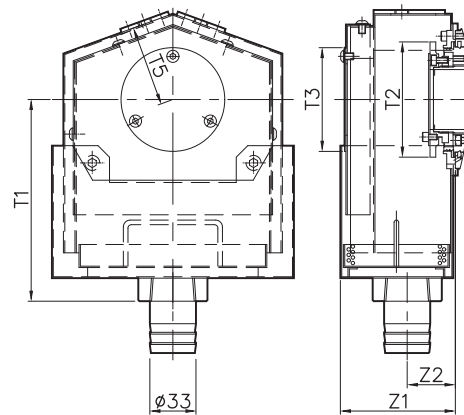


- 절삭유 회수 • 실린더 작동유무 확인
- Coolant Collection • Checking Cylinder operation
- 切削油回収 • シリンダー作動有無確認
- 收集冷却液 • 检测回转油缸的运行

### Outward Drawing/外型图/外刑図/외형도



<CA TYPE>



<CC TYPE>

### Dimension/尺寸/寸法表/치수표

| Model형식 | Item항목 | T1  | T2    | T3    | T4    | T5    | Z1   | Z2   | Matching Cylinder/적용실린더 |
|---------|--------|-----|-------|-------|-------|-------|------|------|-------------------------|
| CA-06   |        | 90  | φ 88  | φ 94  | φ 121 | 61    | 74.5 | 36.5 | YSH/YAH-06              |
| CA-08   |        | 100 | φ 100 | φ 106 | φ 132 | 67    | 79.5 | 36.5 | YSH/YAH-08              |
| CA-10   |        | 126 | φ 125 | φ 132 | φ 158 | 80    | 84.5 | 37   | YSH/YAH-10              |
| CA-12   |        | 142 | φ 143 | φ 154 | φ 180 | 95    | 88   | 37   | YSH/YAH-12              |
| CSG-08  |        | 142 | φ 143 | φ 154 | φ 177 | 92.5  | 88   | 37   | YSGH-08                 |
| CG-10   |        | 142 | φ 133 | φ 154 | φ 177 | 92.5  | 88   | 37   | YGH-10                  |
| CS-15   |        | 190 | φ 185 | φ 186 | φ 210 | 117.5 | 102  | 35   | YSH-15                  |

| Model형식 | Item항목 | T1  | T2    | T3    | T4 | T5    | Z1    | Z2   | Matching Cylinder/적용실린더 |
|---------|--------|-----|-------|-------|----|-------|-------|------|-------------------------|
| CC-06   |        | 155 | φ 88  | φ 90  | -  | 65    | 92.3  | 34.3 | YAH-06                  |
| CC-08   |        | 155 | φ 100 | φ 90  | -  | 70    | 99.8  | 41.8 | YAH-08                  |
| CC-10   |        | 200 | φ 125 | φ 150 | -  | 100   | 146.8 | 61.8 | YAH-10                  |
| CC-12   |        | 200 | φ 143 | φ 150 | -  | 100   | 146.8 | 61.8 | YAH-12                  |
| CC-08   |        | 155 | φ 143 | φ 125 | -  | 97.7  | 97.3  | 39.3 | YSGH-08                 |
| CC-12   |        | 200 | φ 165 | φ 125 | -  | 102   | 152.3 | 67.3 | YGH-10                  |
| CC-15   |        | 190 | φ 185 | φ 150 | -  | 117   | 142.8 | 64.5 | YSHL-15                 |
| CC-21   |        | 235 | φ 248 | φ 205 | -  | 133.1 | 142.8 | 64.5 | YSHL-21                 |
| CC-32   |        | 285 | φ 328 | φ 305 | -  | 169.7 | 132.8 | 55   | YSHL-32                 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

### Model Description/型号说明/型式番号表示/형식번호 표시

**CA** -        
Cylinder Size

**CC** -        
Cylinder Size

# YAS

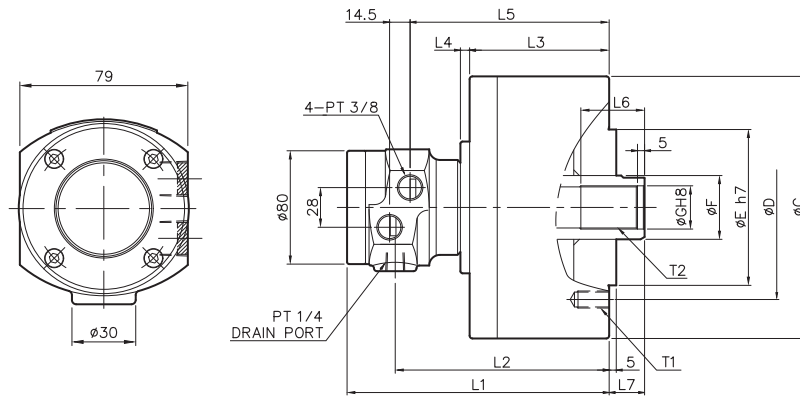
## 고속중실형 회전유압실린더

CLOSED CENTER HYDRAULIC CYLINDER  
高速中実型回転油圧シリンダー / 中実回転油缸



- • 경제적인 모델 • 수평·수직형 사용가능 • 소형 경량화 • 고속회전
- • Economical Model • Horizontal-Vertical Type Available • Small size & Light weight • High Speed Rotation
- • 経済的なモデル • 水平垂直使用可能 • 小型軽量化 • 高速回転
- • 经济型 • 水平与垂直安装均可 • 体积小, 重量轻 • 高速旋转

## Outward Drawing / 外型图 / 外形圖 / 외형도



※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

## Specifications / 规格 / 仕様表 / 사양표

| Spec. 사양<br>Model 형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Piston surface area<br>피스톤 단면적 $cm^2$ |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|----------------------|-------------------|-----------------------------|--------------------------------|---------------------------------------|---------|--------------------------------------|--------------|
|                      |                   |                             |                                | Push 압축                               | Pull 인축 | Push 압축                              | Pull 인축      |
| YAS-65               | 2AS06             | 65                          | 15                             | 33.0                                  | 30.0    | 12.2(1245)                           | 11.2(1443)   |
| YAS-80               | 2AS08             | 80                          | 15                             | 50.0                                  | 45.0    | 18.4(1877)                           | 16.5(1684)   |
| YAS-100              | 2AS10             | 105                         | 20                             | 86.5                                  | 79.5    | 31.8(3244)                           | 29.3(2989)   |
| YAS-125              | 2AS12             | 130                         | 25                             | 132.5                                 | 123.0   | 48.8(4978)                           | 45.3(4621)   |
| YAS-150              | 2AS15             | 150                         | 30                             | 176.0                                 | 160.0   | 64.8(6610)                           | 60.0(6120)   |
| YAS-200              | 2AS20             | 205                         | 35                             | 330.0                                 | 306.0   | 121.6(12404)                         | 112.8(11505) |
| YAS-250              | 2AS25             | 250                         | 60                             | 490.2                                 | 457.7   | 179(18400)                           | 169(17200)   |

| Spec. 사양<br>Model 형식 | Max. operating pressure<br>최고사용유압력<br>$kgf/cm^2$ | Max. permissible speed<br>최고사용회전수<br>$r.p.m.(min^{-1})$ | Total leakage<br>총드레인량<br>$l/min$ | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>$N \cdot m^2 (kgf \cdot m^2)$ | Matching chuck<br>적용척 |
|----------------------|--------------------------------------------------|---------------------------------------------------------|-----------------------------------|--------------------|-----------------------------------------------------------------------|-----------------------|
|                      |                                                  |                                                         |                                   |                    |                                                                       |                       |
| YAS-65               | 40.8                                             | 6000                                                    | 1.0                               | 3.2                | 0.11(0.011)                                                           | CAS-04                |
| YAS-80               | 40.8                                             | 6000                                                    | 1.0                               | 4.3                | 0.29(0.03)                                                            | CAS-05                |
| YAS-100              | 40.8                                             | 6000                                                    | 1.0                               | 5.3                | 0.49(0.05)                                                            | CAS-06                |
| YAS-125              | 40.8                                             | 6000                                                    | 1.0                               | 7.4                | 0.88(0.09)                                                            | CAS-08, CAS-10        |
| YAS-150              | 40.8                                             | 5500                                                    | 1.0                               | 10.3               | 1.47(0.15)                                                            | CAS-10, CAS-12        |
| YAS-200              | 40.8                                             | 5500                                                    | 1.0                               | 19.5               | 3.62(0.37)                                                            | CAS-15 이상             |
| YAS-250              | 40.8                                             | 2000                                                    | 1.0                               | -                  | -                                                                     | CAS-40, 50, 63        |

## Dimension / 尺寸 / 寸法表 / 치수표

| Model 형식 | Item 항목 | C   | D   | E   | F  | G    | L1    | L2    | L3   | L4  | L5    | L6 | L7 max | L7 min | T1       | T2        |
|----------|---------|-----|-----|-----|----|------|-------|-------|------|-----|-------|----|--------|--------|----------|-----------|
| YAS-65   |         | 100 | 80  | 60  | 20 | 13   | 145   | 111   | 65   | -   | 100.5 | 30 | 45     | 30     | 6-M8X16  | M12XP1.75 |
| YAS-80   |         | 110 | 90  | 65  | 25 | 17   | 145   | 111   | 65   | -   | 100.5 | 30 | 45     | 30     | 6-M8X16  | M16XP2.0  |
| YAS-100  |         | 135 | 100 | 80  | 30 | 21   | 168   | 134   | 81.5 | 6.5 | 123.5 | 35 | 45     | 25     | 6-M10X19 | M20XP2.5  |
| YAS-125  |         | 160 | 130 | 110 | 35 | 25   | 178   | 144   | 91.5 | 6.5 | 133.5 | 40 | 50     | 25     | 6-M12X22 | M24XP3.0  |
| YAS-150  |         | 185 | 130 | 110 | 45 | 30.5 | 185   | 151   | 98.5 | 6.5 | 140.5 | 45 | 55     | 25     | 6-M12X20 | M30XP3.5  |
| YAS-200  |         | 245 | 145 | 120 | 55 | 37   | 208.5 | 174.5 | 122  | 6.5 | 164   | 60 | 69     | 34     | 6-M16X29 | M36XP4.0  |
| YAS-250  |         | 314 | 282 | 160 | 65 | 46   | 252.5 | 215.5 | 166  | 6.5 | 208   | 67 | 85     | 25     | 6-M12X30 | M42XP3.0  |

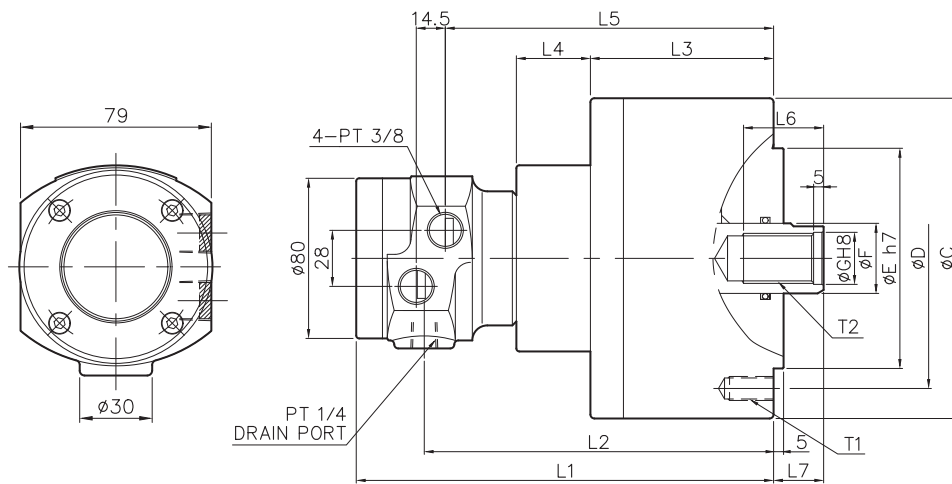
※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



- 안전 확보 · 보수점검이 용이 · 고성능 · 고품질
- Safety Guaranteed · Easy Repair & Check
- High Performance and High Quality
- 安全確保 · 補修点検が容易 · 高性能 · 高品質
- 保障安全 · 便于检测和维修 · 性能优, 质量好

## Outward Drawing / 外型图 / 外形图 / 외형도



※ 허용 최고 회전속도는 실측치에 준함.  
 ※ Maximum turning speed is based on actual measurement.

## Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Piston surface area<br>피스톤 단면적 $cm^2$ |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|--------------------|-------------------|-----------------------------|--------------------------------|---------------------------------------|---------|--------------------------------------|--------------|
|                    |                   |                             |                                | Push 압축                               | Pull 인축 | Push 압축                              | Pull 인축      |
| YASC-100           | 2ASC10            | 105                         | 20                             | 86.5                                  | 79.5    | 31.8(3244)                           | 29.3(2989)   |
| YASC-125           | 2ASC12            | 130                         | 25                             | 132.5                                 | 123.0   | 48.8(4978)                           | 45.3(4621)   |
| YASC-150           | 2ASC15            | 150                         | 30                             | 176.0                                 | 160.0   | 64.8(6610)                           | 60.0(6120)   |
| YASC-200           | 2ASC20            | 205                         | 35                             | 330.0                                 | 306.0   | 121.6(12404)                         | 112.8(11505) |
| YASC-250           | 2ASC25            | 250                         | 60                             | 490.2                                 | 457.7   | 79(18400)                            | 169(17200)   |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>$kgf/cm^2$ | Max. permissible speed<br>최고사용회전수<br>r.p.m.( $min^{-1}$ ) | Total leakage<br>총드레인량<br>$l/min$ | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>$N \cdot m^2 (kgf \cdot m^2)$ | Matching chuck<br>적용척 |
|--------------------|--------------------------------------------------|-----------------------------------------------------------|-----------------------------------|--------------------|-----------------------------------------------------------------------|-----------------------|
|                    |                                                  |                                                           |                                   |                    |                                                                       |                       |
| YASC-100           | 40.8                                             | 6000                                                      | 1.0                               | 7.0                | 0.49(0.05)                                                            | CAS-06                |
| YASC-125           | 40.8                                             | 6000                                                      | 1.0                               | 9.8                | 0.88(0.09)                                                            | CAS-08, CAS-10        |
| YASC-150           | 40.8                                             | 5500                                                      | 1.0                               | 13.3               | 1.47(0.15)                                                            | CAS-10, CAS-12        |
| YASC-200           | 40.8                                             | 5500                                                      | 1.0                               | 21.7               | 3.62(0.37)                                                            | CAS-15 이상             |
| YASC-250           | 40.8                                             | 2000                                                      | 1.0                               | -                  | -                                                                     | CAS-40, 50, 63        |

## Dimension / 尺寸 / 寸法表 / 치수표

| Model형식  | Item항목 | C   | D   | E   | F  | G    | L1    | L2    | L3   | L4 | L5    | L6 | L7 max | L7 min | T1       | T2       |
|----------|--------|-----|-----|-----|----|------|-------|-------|------|----|-------|----|--------|--------|----------|----------|
| YASC-100 |        | 135 | 100 | 80  | 30 | 21   | 198.5 | 164.5 | 81.5 | 37 | 154   | 35 | 45     | 25     | 6-M10X19 | M20XP2.5 |
| YASC-125 |        | 160 | 130 | 110 | 35 | 25   | 208.5 | 174.5 | 91.5 | 37 | 164   | 40 | 50     | 25     | 6-M12X22 | M24XP3.0 |
| YASC-150 |        | 185 | 130 | 110 | 45 | 30.5 | 215.5 | 181.5 | 98.5 | 37 | 171   | 45 | 55     | 25     | 6-M12X20 | M30XP3.5 |
| YASC-200 |        | 245 | 145 | 120 | 55 | 37   | 239   | 205   | 122  | 37 | 194.5 | 60 | 69     | 34     | 6-M16X29 | M36XP4.0 |
| YASC-250 |        | 314 | 282 | 160 | 65 | 46   | 283   | 256   | 166  | 46 | 249   | 67 | 85     | 25     | 6-M12X30 | M42XP3.0 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.



- 작동 위치 검출 • 소형 경량화 • 고성능 • 고품질
- Detection of Operating Location
  - Miniaturization & Lightness • High Performance and High Quality
- 作動位置検出 • 小型軽量化 • 高性能, 高品質
- 检测运行情况 • 体积小, 重量轻 • 性能优, 质量好

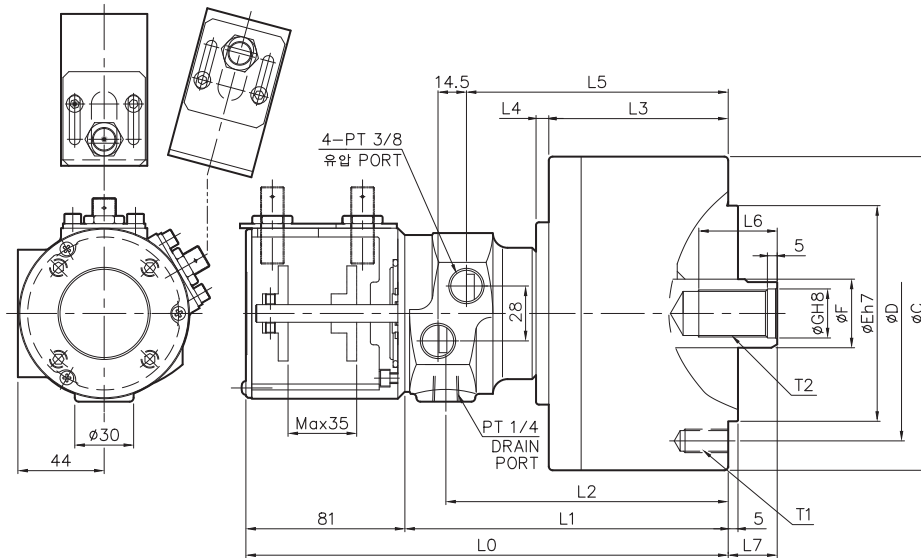
※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

## Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Piston surface area<br>피스톤 단면적 $\text{cm}^2$ |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|--------------------|-------------------|-----------------------------|--------------------------------|----------------------------------------------|---------|--------------------------------------|--------------|
|                    |                   |                             |                                | Push 압축                                      | Pull 인축 | Push 압축                              | Pull 인축      |
| YASP-100           | 2ASP10            | 105                         | 20                             | 86.5                                         | 79.5    | 31.8(3244)                           | 29.3(2989)   |
| YASP-125           | 2ASP12            | 130                         | 25                             | 132.5                                        | 123.0   | 48.8(4978)                           | 45.3(4621)   |
| YASP-150           | 2ASP15            | 150                         | 30                             | 176.0                                        | 160.0   | 64.8(6610)                           | 60.0(6120)   |
| YASP-200           | 2ASP20            | 205                         | 35                             | 330.0                                        | 306.0   | 121.6(12404)                         | 112.8(11505) |
| YASP-250           | 2ASP25            | 250                         | 60                             | 490.2                                        | 457.7   | 179(18400)                           | 169(17200)   |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>$\text{kgf}/\text{cm}^2$ | Max. permissible speed<br>최고사용회전수<br>$\text{r.p.m}(\text{min}^{-1})$ | Total leakage<br>총드레인량<br>$\ell/\text{min}$ | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>$\text{N}\cdot\text{m}^2(\text{kgf}\cdot\text{m}^2)$ | Matching chuck<br>적용척 |
|--------------------|----------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------|--------------------|----------------------------------------------------------------------------------------------|-----------------------|
|                    |                                                                |                                                                      |                                             |                    |                                                                                              |                       |
| YASP-100           | 40.8                                                           | 6000                                                                 | 1.0                                         | 5.8                | 0.49(0.05)                                                                                   | CAS-06                |
| YASP-125           | 40.8                                                           | 6000                                                                 | 1.0                                         | 7.9                | 0.88(0.09)                                                                                   | CAS-08, CAS-10        |
| YASP-150           | 40.8                                                           | 5500                                                                 | 1.0                                         | 10.8               | 1.47(0.15)                                                                                   | CAS-10, CAS-12        |
| YASP-200           | 40.8                                                           | 5500                                                                 | 1.0                                         | 20.0               | 3.62(0.37)                                                                                   | CAS-150이상             |
| YASP-250           | 40.8                                                           | 2000                                                                 | 1.0                                         | -                  | -                                                                                            | CAS-40, 50, 63        |



## Dimension/尺寸/寸法表/치수표

| Item항목   | C   | D   | E   | F  | G    | L0    | L1    | L2    |
|----------|-----|-----|-----|----|------|-------|-------|-------|
| Model형식  |     |     |     |    |      |       |       |       |
| YASP-100 | 135 | 100 | 80  | 30 | 21   | 236   | 155   | 134   |
| YASP-125 | 160 | 130 | 110 | 35 | 25   | 246   | 165   | 144   |
| YASP-150 | 185 | 130 | 110 | 45 | 30.5 | 253   | 172   | 151   |
| YASP-200 | 245 | 145 | 120 | 55 | 37   | 276.5 | 195.5 | 174.5 |
| YASP-250 | 314 | 282 | 160 | 65 | 46   | 252.5 | 215.5 | 166   |

| Item항목<br>Model형식 | L3    | L4  | L5    | L6 | L7 max | L7 min | T1       | T2       |
|-------------------|-------|-----|-------|----|--------|--------|----------|----------|
| YASP-100          | 81.5  | 6.5 | 123.5 | 35 | 45     | 25     | 6-M10X19 | M20XP2.5 |
| YASP-125          | 91.5  | 6.5 | 133.5 | 40 | 50     | 25     | 6-M12X22 | M24XP3.0 |
| YASP-150          | 98.5  | 6.5 | 140.5 | 45 | 55     | 25     | 6-M12X20 | M30XP3.5 |
| YASP-200          | 122   | 6.5 | 164   | 60 | 69     | 34     | 6-M16X29 | M36XP4.0 |
| YASP-250          | 166.5 | 6.5 | 208   | 67 | 85     | 25     | 6-M12X30 | M42XP3.0 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.



- • 복합적인 구조 • 소형 경량화 • 고성능 · 고품질
- • Combined Structures • Small size & Light Weight
- • High Performance and High Quality
- • 複合的な構造 • 小型軽量化 • 高性能, 高品質
- • 复合结构 • 体积小, 重量轻 • 性能优, 质量好

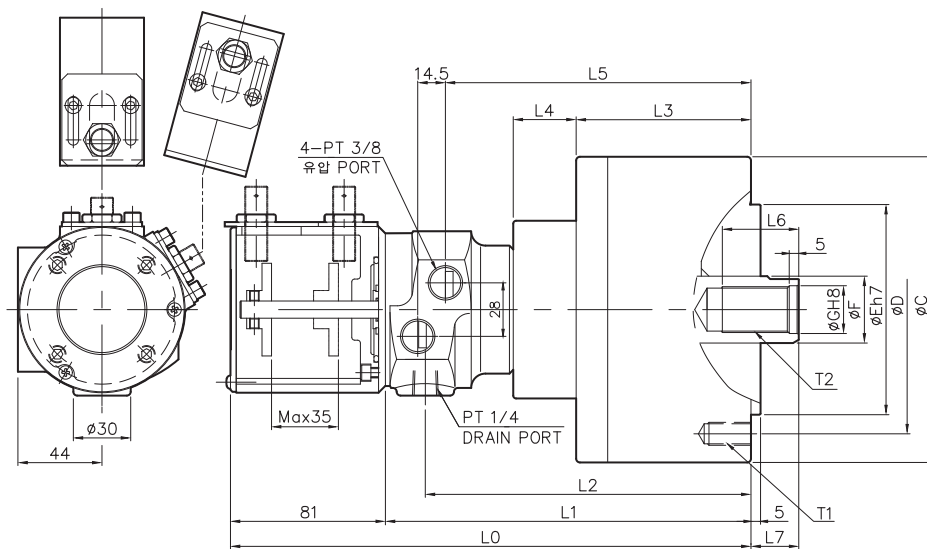
※ 허용 최고 회전속도는 실측치에 준함.  
※ Maximum turning speed is based on actual measurement.

## Specifications/规格/仕様表/ 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Piston surface area<br>피스톤 단면적 cm <sup>2</sup> |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |                |
|--------------------|-------------------|-----------------------------|--------------------------------|------------------------------------------------|---------|--------------------------------------|----------------|
|                    |                   |                             |                                | Push 압축                                        | Pull 인축 | Push 압축                              | Pull 인축        |
| YAST-100           | 2AST10            | 105                         | 20                             | 86.5                                           | 79.5    | 31.8(3244)                           | 29.3(2989)     |
| YAST-125           | 2AST12            | 130                         | 25                             | 132.5                                          | 123.0   | 48.8(4978)                           | 45.3(4621)     |
| YAST-150           | 2AST15            | 150                         | 30                             | 176.0                                          | 160.0   | 64.8(6610)                           | 60.0(6120)     |
| YASTL-150          | 2ASTL15S          | 150                         | 50                             | 176                                            | 160     | 64.8(6610)                           | 60.0(6120)     |
| YAST-200           | 2AST20            | 205                         | 35                             | 330.0                                          | 306.0   | 121.6(12404)                         | 112.8(11505)   |
| YAST-200S          | 2AST20S           | 200                         | 35                             | 330                                            | 306     | 121.6(12404)                         | 112.8(11505)   |
| YASTL-200          | 2ASTL20           | 200                         | 50                             | 330                                            | 306     | 121.6(12404)                         | 112.8(11505)   |
| YASTL-200S         | 2ASTL20S          | 200                         | 50                             | 330                                            | 306     | 121.6(12404)                         | 112.8(11505)   |
| YAST-245           | 2AST24            | 245                         | 60                             | 470.8                                          | 438.2   | 173.2(17671.9)                       | 161.2(16450.2) |
| YAST-250           | 2AST25            | 250                         | 60                             | 490.2                                          | 457.7   | 179(18400)                           | 169(17200)     |
| YAST-250S          | 2AST25S           | 250                         | 60                             | 481.5                                          | 450     | 180(18270)                           | 167.3(17078)   |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>kgf/cm <sup>2</sup> | Max. permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) | Total leakage<br>총드레인량<br>ℓ /min | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching chuck<br>적용척 |
|--------------------|-----------------------------------------------------------|----------------------------------------------------------------|----------------------------------|--------------------|--------------------------------------------------------------------------------|-----------------------|
| YAST-100           | 40.8                                                      | 6000                                                           | 1.0                              | 7.5                | 0.49(0.05)                                                                     | CAS-06                |
| YAST-125           | 40.8                                                      | 6000                                                           | 1.0                              | 10.3               | 0.88(0.09)                                                                     | CAS-08, CAS-10        |
| YAST-150           | 40.8                                                      | 5500                                                           | 1.0                              | 13.8               | 1.47(0.15)                                                                     | CAS-10, CAS-12        |
| YASTL-150          | 40.8                                                      | 5500                                                           | 1.0                              | 15.5               | -                                                                              | CAS-15 이상             |
| YAST-200           | 40.8                                                      | 5500                                                           | 1.0                              | 22.2               | 3.62(0.37)                                                                     | CAS-15 이상             |
| YAST-200S          | 40.8                                                      | 5500                                                           | 1.0                              | 24                 | 0.42(0.05)                                                                     | CAS-15 이상             |
| YASTL-200          | 40.8                                                      | 5500                                                           | 1.0                              | 24                 | 0.42(0.05)                                                                     | CAS-15 이상             |
| YASTL-200S         | 40.8                                                      | 5500                                                           | 1.0                              | 26                 | -                                                                              | CAS-15 이상             |
| YAST-245           | 40.8                                                      | 2000                                                           | 1.0                              | 38                 | -                                                                              | CAS-40, 50, 63        |
| YAST-250           | 40.8                                                      | 2000                                                           | 1.0                              | 38                 | -                                                                              | CAS-40, 50, 63        |
| YAST-250S          | 40.8                                                      | 2000                                                           | 1.0                              | 38                 | -                                                                              | CAS-40, 50, 63        |





### Dimension/尺寸/寸法表/치수표

| Model형식    | Item항목 | C   | D   | E   | F  | G    | L0    | L1    | L2    |
|------------|--------|-----|-----|-----|----|------|-------|-------|-------|
| YAST-100   |        | 135 | 100 | 80  | 30 | 21   | 266.6 | 185.5 | 164.5 |
| YAST-125   |        | 160 | 130 | 110 | 35 | 25   | 276.5 | 195.5 | 174.5 |
| YAST-150   |        | 185 | 130 | 110 | 45 | 30.5 | 283.5 | 202.5 | 181.5 |
| YASTL-150  |        | 185 | 130 | 110 | 45 | 30.5 | 316.5 | 233   | 205   |
| YAST-200   |        | 245 | 145 | 120 | 55 | 37   | 307   | 226   | 205   |
| YAST-200S  |        | 245 | 222 | 120 | 55 | 37   | 289.5 | 206   | 187.5 |
| YASTL-200  |        | 245 | 145 | 120 | 55 | 37   | 336.5 | 238.5 | 220   |
| YASTL-200S |        | 245 | 222 | 120 | 55 | 37   | 286.5 | 196   | 172   |
| YAST-245   |        | 305 | 220 | 160 | 65 | 50   | 397   | 302   | 256   |
| YAST-250   |        | 314 | 282 | 160 | 65 | 46   | 397   | 302   | 256   |
| YAST-250S  |        | 305 | 275 | 160 | 65 | 50   | 328.5 | 207   | 178   |

| Model형식    | Item항목 | L3    | L4 | L5    | L6 | L7 max | L7 min | T1          | T2       |
|------------|--------|-------|----|-------|----|--------|--------|-------------|----------|
| YAST-100   |        | 81.5  | 37 | 154   | 35 | 45     | 25     | 6-M10X19    | M20XP2.5 |
| YAST-125   |        | 91.5  | 37 | 164   | 40 | 50     | 25     | 6-M12X22    | M24XP3.0 |
| YAST-150   |        | 98.5  | 37 | 171   | 45 | 55     | 25     | 6-M12X20    | M30XP3.5 |
| YASTL-150  |        | 131   | 37 | 198.5 | 45 | 80     | 30     | 6-M12X20    | M30XP3.5 |
| YAST-200   |        | 122   | 37 | 194.5 | 60 | 69     | 34     | 6-M16X29    | M36XP4.0 |
| YAST-200S  |        | 104.5 | 37 | 177   | 60 | 69     | 34     | 12-M16      | M36XP4.0 |
| YASTL-200  |        | 137   | 37 | 209.5 | 60 | 80     | 30     | 6-M16       | M36XP4.0 |
| YASTL-200S |        | 133.5 | -  | 163.5 | 60 | 80     | 30     | 6-M16       | M36XP4.0 |
| YAST-245   |        | 166   | 45 | 249   | 67 | 85     | 25     | 6-M20X30    | M42XP3.0 |
| YAST-250   |        | 166   | 46 | 249   | 67 | 85     | 25     | 6- ϕ 18THRU | M42XP3.0 |
| YAST-250S  |        | 145   | -  | 174.5 | 60 | 85     | 25     | 12-M20      | M42XP3.0 |

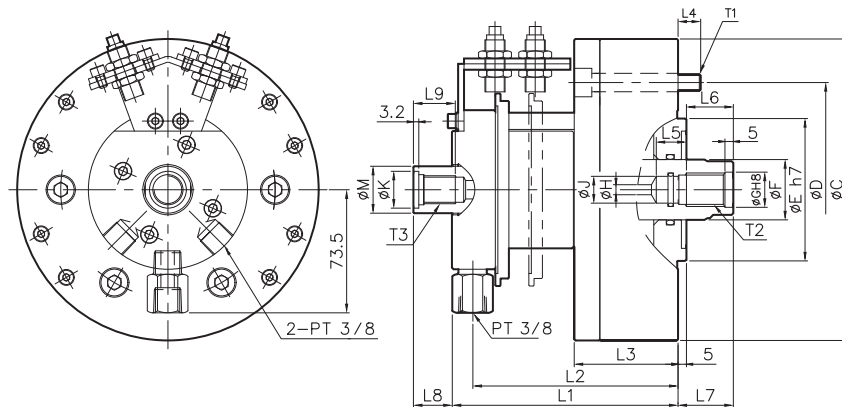
※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



- 길이가 짧음 (박형) • 중심 관통경 확보
- 작동속도의 증가 • 안전 확보 • 작동 위치 검출
- Short Length(Flat Type) • Center Through Hole Secured
- High Operation Speed • Safety Guaranteed
- Detection of Operating Location
- 長さが短い(スリム) • センタ-貫通穴確保
- 高速運転 • 安全確保 • 作動位置検出
- 油缸的長度較短 • 在油缸的中心軸處形成貫通徑
- 油缸內部油路長度達到最小化 • 此回轉油缸帶有單向閥
- 由於此型號回轉油缸帶接近開關

## Outward Drawing/外型图/外刑图/외형도



※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

## Specifications/规格/仕様表/ 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Piston surface area<br>피스톤 단면적 cm <sup>2</sup> |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |            |
|--------------------|-------------------|-----------------------------|--------------------------------|------------------------------------------------|---------|--------------------------------------|------------|
|                    |                   |                             |                                | Push 압축                                        | Pull 인축 | Push 압축                              | Pull 인축    |
| YMS-105-15         | 2MS10             | 105                         | 15                             | 83.0                                           | 76.4    | 31.2(3183)                           | 28.7(2930) |
| YMS-120-20         | 2MS12             | 120                         | 20                             | 109.5                                          | 102.9   | 41.2(4200)                           | 38.7(3946) |
| YMS-135-20         | 2MS13             | 135                         | 20                             | 141.9                                          | 132.9   | 53.4(5442)                           | 50.0(5097) |
| YMS-140-25         | 2MS14             | 140                         | 25                             | 153.9                                          | 143.7   | 57.9(5902)                           | 54.1(5511) |
| YMS-150-35         | 2MS15             | 155                         | 35                             | 188.6                                          | 176.1   | 70.9(7233)                           | 66.3(6754) |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>kgf/cm <sup>2</sup> | Max. permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) | Total leakage<br>총드레인량<br>ℓ /min | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching chuck<br>적용척 |
|--------------------|-----------------------------------------------------------|----------------------------------------------------------------|----------------------------------|--------------------|--------------------------------------------------------------------------------|-----------------------|
| YMS-105-15         | 40.8                                                      | 6000                                                           | 1.0                              | 11.0               | 1.52(0.16)                                                                     | CAS-06                |
| YMS-120-20         | 40.8                                                      | 5000                                                           | 1.0                              | 11.8               | 2.11(0.22)                                                                     | CAS-08                |
| YMS-135-20         | 40.8                                                      | 5000                                                           | 1.0                              | 13.2               | 3.20(0.33)                                                                     | CAS-08, CAS-10        |
| YMS-140-25         | 40.8                                                      | 5000                                                           | 1.0                              | 14.5               | 3.92(0.40)                                                                     | CAS-10, CAS-12        |
| YMS-150-35         | 40.8                                                      | 4200                                                           | 1.0                              | 17.5               | 4.60(0.47)                                                                     | CAS-12                |

## Dimension/尺寸/寸法表/치수표

| Model형식    | Item항목 | C   | D   | E   | F  | G  | H | J  | K  | M  | L1  | L2    | L3 | L4   | L5 | L6 | L7 max | L7 min | L8 | L9 | T1    | T2       | T3    |
|------------|--------|-----|-----|-----|----|----|---|----|----|----|-----|-------|----|------|----|----|--------|--------|----|----|-------|----------|-------|
| YMS-105-15 |        | 180 | 128 | 85  | 36 | 21 | 6 | 16 | 18 | 28 | 130 | 117.5 | 57 | 13.5 | 46 | 28 | 53     | 38     | 23 | 25 | 6-M10 | M20XP2.5 | PF3/8 |
| YMS-120-20 |        | 192 | 150 | 120 | 36 | 21 | 6 | 16 | 18 | 28 | 139 | 126.5 | 65 | 15.5 | 46 | 28 | 53     | 33     | 23 | 25 | 6-M10 | M20XP2.5 | PF3/8 |
| YMS-135-20 |        | 225 | 160 | 120 | 36 | 21 | 6 | 16 | 18 | 28 | 139 | 126.5 | 65 | 15.5 | 46 | 28 | 58     | 38     | 23 | 25 | 6-M10 | M20XP2.5 | PF3/8 |
| YMS-140-25 |        | 225 | 160 | 120 | 36 | 21 | 6 | 16 | 18 | 28 | 144 | 131.5 | 70 | 15.5 | 46 | 28 | 58     | 33     | 23 | 25 | 6-M10 | M20XP2.5 | PF3/8 |
| YMS-150-35 |        | 250 | 175 | 120 | 40 | 25 | 6 | 20 | 18 | 28 | 164 | 151.5 | 90 | 22.5 | 46 | 28 | 63     | 28     | 23 | 25 | 6-M12 | M24XP3.0 | PF3/8 |

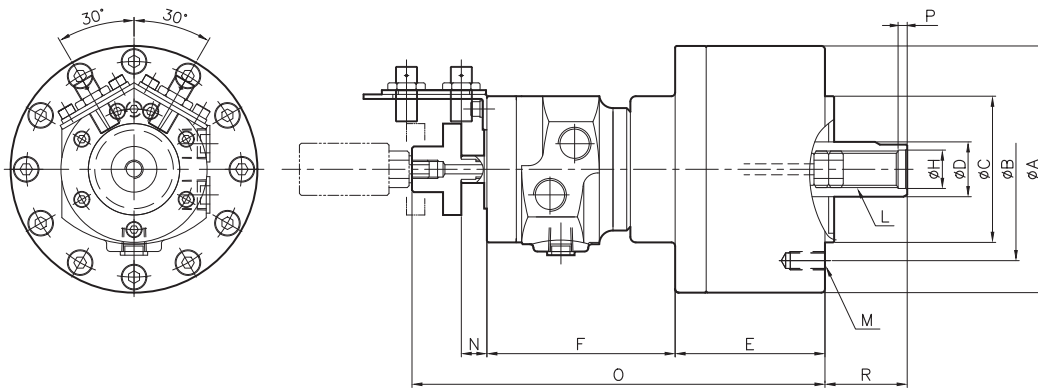
※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



- 중실실린더 중심부에 관로형성
  - Air Sensor 또는 Coolant Blowing 가능
- It is a solid cylinder with one pipe way in central parts.
  - It is able to air sensor or coolant blowing structure.
- 中実シリンダー中心部に管路形成
  - Air Sensor又はCoolant Blowing可能
- 是中实旋转油缸
  - 中心内部有个通孔, 止结构可以气密性检测或者冷却液装置

## Outward Drawing / 外型图 / 外刑图 / 외형도



※ 허용 최고 회전속도는 실측치에 준함.  
※ Maximum turning speed is based on actual measurement.

## Specifications / 规格 / 仕様表 / 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Cylinder Dia<br>실린더내경<br>mm | Piston stroke<br>피스톤스트로크<br>mm | Piston surface area<br>피스톤 단면적 $cm^2$ |         | Max. Draw bar pull<br>실린더 추력 KN(kgf) |              |
|--------------------|-------------------|-----------------------------|--------------------------------|---------------------------------------|---------|--------------------------------------|--------------|
|                    |                   |                             |                                | Push 압축                               | Pull 인축 | Push 압축                              | Pull 인축      |
| YTRC100            | 2TRC100           | 105                         | 20                             | 86.5                                  | 79.5    | 31.8(3247)                           | 29.3(2984)   |
| YTRC125            | 2TRC125           | 130                         | 25                             | 132.5                                 | 123     | 48(4900)                             | 45.1(4600)   |
| YTRC140            | 2TRC140           | 140                         | 35                             | 150.8                                 | 141.2   | 55.5(5660)                           | 52(5300)     |
| YTRC200            | 2TRC200           | 200                         | 35                             | 309.4                                 | 293.4   | 113.9(11614)                         | 108(11013)   |
| YTRC250            | 2TRC250           | 250                         | 60                             | 515                                   | 482     | 189.6(19331)                         | 177.4(18092) |

| Spec.사양<br>Model형식 | Max. operating pressure<br>최고사용유압력<br>kgf/cm <sup>2</sup> | Max. permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) | Total leakage<br>총드레인량<br>ℓ/min | Weight<br>중량<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Matching chuck<br>적용척 |
|--------------------|-----------------------------------------------------------|----------------------------------------------------------------|---------------------------------|--------------------|--------------------------------------------------------------------------------|-----------------------|
| YTRC100            | 40.8                                                      | 6000                                                           | 1                               | 8                  | 0.49(0.050)                                                                    | CAS-06                |
| YTRC125            | 40.8                                                      | 5000                                                           | 1                               | 10.5               | 0.88(0.09)                                                                     | CAS-08, CAS-10        |
| YTRC140            | 40.8                                                      | 4500                                                           | 1                               | 11.3               | 1.57(0.16)                                                                     | CAS-10, CAS-12        |
| YTRC200            | 40.8                                                      | 4000                                                           | 1                               | 22.3               | 4.51(0.46)                                                                     | CAS-15이상              |
| YTRC250            | 40.8                                                      | 3500                                                           | 1                               | 25.2               | 8.33(0.85)                                                                     | CAS-40, 50, 63        |

## Dimension / 尺寸 / 寸法表 / 치수표

| Model형식 | Item항목 | A   | B   | C   | D  | E     | F   | H  | L        | M         | Nmax | Nmin | Omax  | Omin  | P  | Rmax | Rmin |
|---------|--------|-----|-----|-----|----|-------|-----|----|----------|-----------|------|------|-------|-------|----|------|------|
| YTRC100 |        | 135 | 100 | 80  | 30 | 82    | 103 | 21 | M20×P2.5 | M10, DP19 | 34   | 14   | 291   | 271   | 5  | 45   | 25   |
| YTRC125 |        | 160 | 130 | 110 | 35 | 92    | 103 | 25 | M24×P3.0 | M12, DP22 | 34   | 14   | 311   | 286   | 5  | 50   | 25   |
| YTRC140 |        | 175 | 130 | 110 | 35 | 106.5 | 98  | 25 | M24×P3.0 | M10, DP20 | 39.5 | 4.5  | 271   | 236   | 5  | 60   | 25   |
| YTRC200 |        | 245 | 145 | 120 | 55 | 120.5 | 98  | 37 | M36×P4.0 | M16, DP29 | 39.5 | 4.5  | 285   | 250   | 15 | 60   | 25   |
| YTRC250 |        | 305 | 220 | 160 | 65 | 170   | 98  | 44 | M42×P3.0 | M20, DP35 | 64.5 | 4.5  | 359.5 | 299.5 | 20 | 85   | 25   |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

# SEOAM

## MANUAL CHUCK

최고라는 자부심으로 최선을 다합니다.

축적된 기술력과 끊임없는 노력으로 내구성이 우수한 다양한 시리즈로  
고객이 믿고 찾을 수 있는 제품과 서비스를 제공하여 드릴것을 약속하겠습니다.  
서암기계공업주식회사 는 “최고의 품질”과 “고 정밀도”를 자랑합니다.

We will make a great effort to get customers satisfaction with self-confidence of the best.  
Having accumulated technologies and continuous improvement efforts,  
the SEOAM promises to provide world top class quality products and reliable services  
with various manual chuck series offering high precision and durability.  
SEOAM Machinery is proud of the highest quality and precision products.



**MS**

3-조 연동척  
3-JAW SCROLL CHUCK

62P



**MI**

4-조 단동척  
4-JAW INDEPENDENT CHUCK

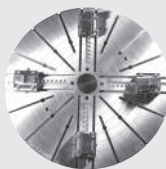
66P



**MSU**

조 분리형 연동척  
TWO PIECE JAW  
SCROLL CHUCK

64P



**MU**

표준형 매뉴얼척  
MANUAL CHUCK

68P



**MSL**

표준형 슬로터 척  
STANDARD  
SLOTTER CHUCK

65P



**MIOC**

대관통경 단동척  
INDEPENDENT OIL  
COUNTRY CHUCK

69P



— 가장 일반적 모델 · 고품질, 긴 수명 · 호환성 · 부속품

— General Model · High Quality & Long Durability  
· Compatibility · Parts

— 最も一般的なモデル · 高品質, 長い寿命 · 互換性 · 付属品

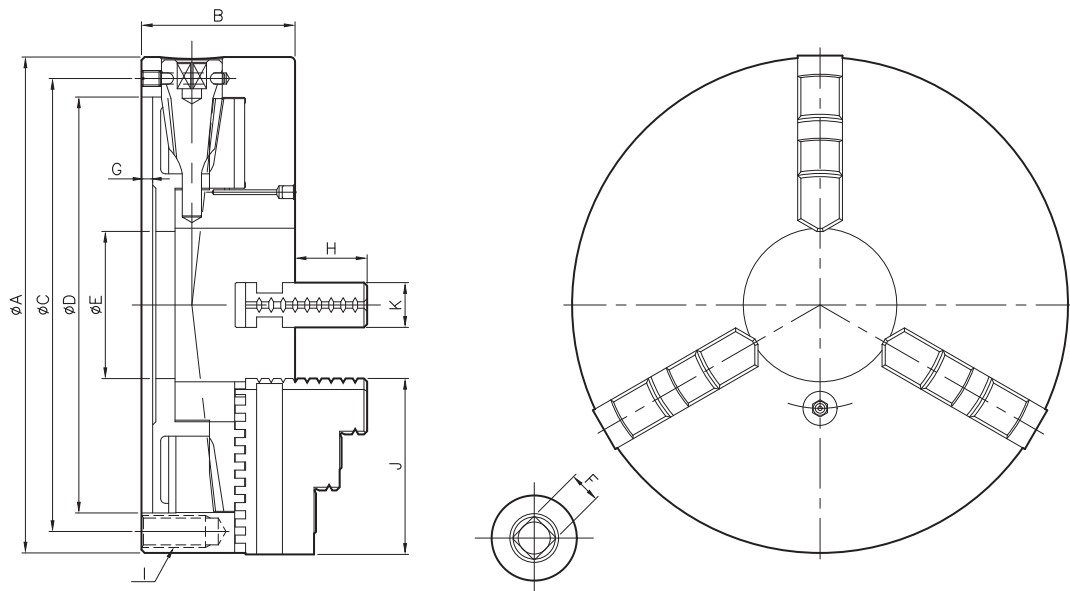
— 普通型 · 质量好, 使用寿命长 · 兼容性 · 随机附件

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications/规格/仕様表/ 사양표

| Spec.사양<br><br>Model형식 | Order NO.<br>오더번호 | Chuck size<br>척외경<br>mm | Thru-hole Dia<br>관통경<br>mm | Gripping Force<br>파악력<br>kgf | Gripping Dia 파악경 |         |              |         | Weight<br>중량<br>kg | Max.permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) |
|------------------------|-------------------|-------------------------|----------------------------|------------------------------|------------------|---------|--------------|---------|--------------------|---------------------------------------------------------------|
|                        |                   |                         |                            |                              | External (Ø)     |         | Internal (Ø) |         |                    |                                                               |
|                        |                   |                         |                            |                              | MAX. mm          | MIN. mm | MAX. mm      | MIN. mm |                    |                                                               |
| MS-3                   | 00103E            | 85                      | 16                         | 910                          | 70               | 2       | 64           | 24      | 1.5                | 2500                                                          |
| MS-4                   | 00104E            | 112                     | 24                         | 1220                         | 90               | 3       | 84           | 32      | 3.3                | 2500                                                          |
| MS-5                   | 00105E            | 132                     | 32                         | 1530                         | 110              | 3       | 100          | 35      | 4.6                | 2500                                                          |
| MS-6                   | 00106E            | 167                     | 45                         | 2140                         | 160              | 4       | 150          | 48      | 7.9                | 2000                                                          |
| MS-7                   | 00107E            | 193                     | 58                         | 2550                         | 180              | 4       | 170          | 56      | 12                 | 2000                                                          |
| MS-8                   | 00108E            | 203                     | 58                         | 2550                         | 180              | 4       | 170          | 56      | 13.3               | 2000                                                          |
| MS-9                   | 00109E            | 233                     | 70                         | 3060                         | 220              | 5       | 210          | 62      | 19.3               | 2000                                                          |
| MS-10                  | 00110E            | 273                     | 89                         | 3670                         | 260              | 6       | 250          | 70      | 26.2               | 1800                                                          |
| MS-12                  | 00112E            | 310                     | 105                        | 4480                         | 300              | 10      | 290          | 86      | 37.6               | 1800                                                          |
| MS-14                  | 00114E            | 355                     | 127                        | 4480                         | 350              | 12      | 320          | 96      | 57.2               | 1500                                                          |
| MS-16                  | 00116E            | 405                     | 160                        | 4580                         | 400              | 14      | 380          | 100     | 80.7               | 1500                                                          |



Dimension/尺寸/寸法表/치수표

| Item<br>Model형식 | A   | B   | C   | D   | E   | F  | G   | H    | I     | J   | K  |
|-----------------|-----|-----|-----|-----|-----|----|-----|------|-------|-----|----|
| MS-3            | 85  | 45  | 73  | 60  | 16  | 7  | 3.5 | 15   | 3-M6  | 35  | 11 |
| MS-4            | 112 | 58  | 95  | 80  | 24  | 8  | 4.5 | 17   | 3-M8  | 42  | 14 |
| MS-5            | 132 | 60  | 115 | 100 | 32  | 8  | 4.5 | 20   | 3-M8  | 50  | 16 |
| MS-6            | 167 | 66  | 147 | 130 | 45  | 10 | 5   | 23   | 3-M10 | 65  | 19 |
| MS-7            | 193 | 76  | 172 | 155 | 58  | 11 | 5   | 28   | 3-M10 | 75  | 22 |
| MS-8            | 203 | 76  | 176 | 160 | 58  | 11 | 5   | 28   | 3-M10 | 75  | 22 |
| MS-9            | 233 | 84  | 210 | 190 | 70  | 12 | 5.5 | 34.5 | 3-M12 | 85  | 24 |
| MS-10           | 273 | 86  | 250 | 230 | 89  | 12 | 5.5 | 39   | 3-M12 | 98  | 28 |
| MS-12           | 310 | 96  | 285 | 260 | 105 | 14 | 7   | 45   | 3-M12 | 110 | 30 |
| MS-14           | 355 | 112 | 328 | 300 | 127 | 15 | 7   | 50   | 6-M12 | 132 | 35 |
| MS-16           | 405 | 122 | 375 | 345 | 160 | 15 | 8   | 56   | 6-M14 | 146 | 40 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.

Model Description/型号说明/型式番号表示/형식번호 표시

**MS**   -    

Chuck Size

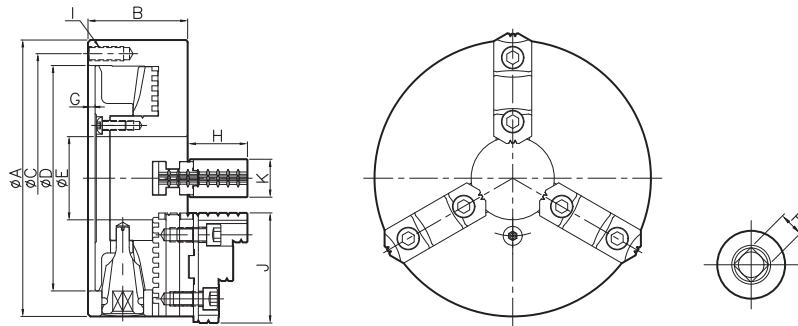
Blank | Standard  
 T | 2-jaw type  
 F | 4-jaw type  
 S | 6-jaw type  
 U | Two piece jaw type





- 조오 분리형 연동척 • 정밀가공 용이 • 생산성 향상에 기여
- 고품질, 긴수명 • 호환성 • 부속품
- Jaw Detachable Scroll Chuck • Easy in Precise Processing
- Contribution for Increasing Performance
- High Quality, Long Durability • Compatibility • Parts
- 爪分離型連動チャック • 精密加工容易 • 生産性向上に寄与
- 高品質, 長寿命 • 互換性 • 付属品
- 卡爪可拆开 • 易于精加工 • 性能提高
- 质量好, 使用寿命长 • 兼容性 • 随机附件

### Outward Drawing/外型图/外刑图/외형도



※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Chuck size<br>척외경<br>mm | Thru-hole Dia<br>관통경<br>mm | Gripping Force<br>파악력<br>kgf | Gripping Dia 파악경 |         |              |         | Weight<br>중량<br>kg | Max.permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) |
|--------------------|-------------------|-------------------------|----------------------------|------------------------------|------------------|---------|--------------|---------|--------------------|---------------------------------------------------------------|
|                    |                   |                         |                            |                              | External (Ø)     |         | Internal (Ø) |         |                    |                                                               |
|                    |                   |                         |                            |                              | MAX. mm          | MIN. mm | MAX. mm      | MIN. mm |                    |                                                               |
| MSU-4              | 01504E            | 112                     | 24                         | 1220                         | 100              | 3       | 93           | 35      | 3.45               | 2500                                                          |
| MSU-5              | 01505E            | 132                     | 32                         | 1530                         | 123              | 3       | 122          | 43      | 5.0                | 2500                                                          |
| MSU-6              | 01506E            | 167                     | 45                         | 2140                         | 160              | 8       | 150          | 55      | 8.6                | 2000                                                          |
| MSU-7              | 01507E            | 193                     | 58                         | 2550                         | 180              | 8       | 170          | 62      | 12.8               | 2000                                                          |
| MSU-8              | 01508E            | 203                     | 58                         | 2550                         | 180              | 8       | 170          | 62      | 14.1               | 2000                                                          |
| MSU-9              | 01509E            | 233                     | 70                         | 3060                         | 220              | 11      | 210          | 70      | 20.4               | 2000                                                          |
| MSU-10             | 01510E            | 273                     | 89                         | 3670                         | 260              | 12      | 250          | 80      | 26.7               | 1800                                                          |
| MSU-12             | 01512E            | 310                     | 105                        | 4488                         | 300              | 15      | 290          | 90      | 39.3               | 1800                                                          |
| MSU-14             | 01514E            | 355                     | 127                        | 4488                         | 350              | 25      | 320          | 110     | 60.7               | 1500                                                          |
| MSU-16             | 01516E            | 405                     | 160                        | 4589                         | 400              | 30      | 380          | 110     | 82.3               | 1500                                                          |

### Dimension/尺寸/寸法表/치수표

| Model형식 | Item항목 | A   | B   | C   | D   | E   | F  | G   | H    | I     | J   | K  |
|---------|--------|-----|-----|-----|-----|-----|----|-----|------|-------|-----|----|
| MSU-4   |        | 112 | 58  | 95  | 80  | 24  | 8  | 4.5 | 31.5 | 3-M8  | 47  | 19 |
| MSU-5   |        | 132 | 60  | 115 | 100 | 32  | 8  | 4.5 | 36   | 3-M8  | 57  | 24 |
| MSU-6   |        | 167 | 66  | 147 | 130 | 45  | 10 | 5   | 39   | 3-M10 | 68  | 26 |
| MSU-7   |        | 193 | 76  | 172 | 155 | 58  | 11 | 5   | 43   | 3-M10 | 82  | 28 |
| MSU-8   |        | 203 | 76  | 176 | 160 | 58  | 11 | 5   | 43   | 3-M10 | 82  | 28 |
| MSU-9   |        | 233 | 84  | 210 | 190 | 70  | 12 | 5.5 | 50   | 3-M12 | 93  | 32 |
| MSU-10  |        | 273 | 86  | 250 | 230 | 89  | 12 | 5.5 | 54.5 | 3-M12 | 102 | 32 |
| MSU-12  |        | 310 | 96  | 285 | 260 | 105 | 14 | 7   | 56   | 3-M12 | 118 | 40 |
| MSU-14  |        | 355 | 122 | 328 | 300 | 127 | 15 | 7   | 70.5 | 6-M12 | 139 | 45 |
| MSU-16  |        | 405 | 122 | 375 | 345 | 160 | 15 | 8   | 75   | 6-M14 | 150 | 50 |

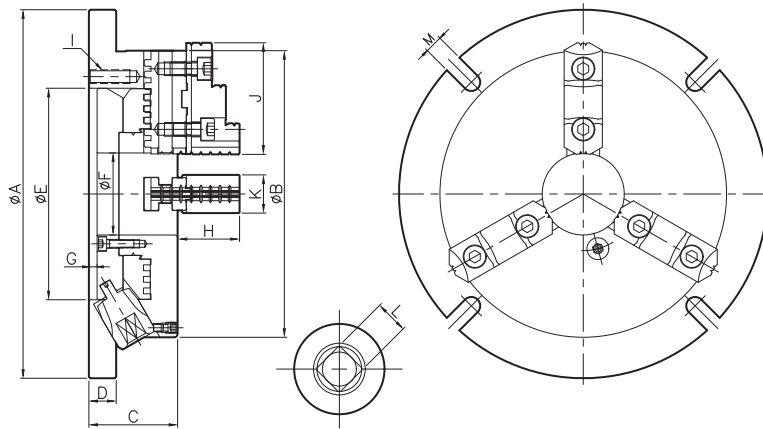
※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



- 일반적 모델 · 고품질, 긴 수명 · 호환성 · 부속품
- General Model · High Quality & Long Durability · Compatibility · Parts
- 最も一般的なモデル · 高品質, 長い寿命 · 互換性 · 付属品
- 普通型 · 质量好, 使用寿命长 · 兼容性 · 随机附件

## Outward Drawing/外型图/外刑图/외형도



※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/ 사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Chuck size<br>척외경<br>mm | Thru-hole Dia<br>관통경<br>mm | Gripping Force<br>파악력<br>kgf | Gripping Dia 파악경 |         |              |         | Weight<br>중량<br>kg | Max.permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) |
|--------------------|-------------------|-------------------------|----------------------------|------------------------------|------------------|---------|--------------|---------|--------------------|---------------------------------------------------------------|
|                    |                   |                         |                            |                              | External (Ø)     |         | Internal (Ø) |         |                    |                                                               |
|                    |                   |                         |                            |                              | MAX. mm          | MIN. mm | MAX. mm      | MIN. mm |                    |                                                               |
| MSL-06             | 001SL-06          | 220                     | 45                         | 2550                         | 8                | 160     | 48           | 150     | 7.9                | 2000                                                          |
| MSL-08             | 001SL-08          | 270                     | 60                         | 3060                         | 11               | 200     | 62           | 190     | 13.3               | 2000                                                          |
| MSL-10             | 001SL-10          | 315                     | 80                         | 4488                         | 12               | 250     | 72           | 240     | 26.2               | 1800                                                          |
| MSL-12             | 001SL-12          | 370                     | 105                        | 4488                         | 15               | 300     | 86           | 290     | 37.6               | 1800                                                          |

## Dimension/尺寸/寸法表/치수표

| Item 항목<br>Model 형식 | A   | B   | C  | D  | E   | F   | G | H  | I           | J   | K  | L  | M  |
|---------------------|-----|-----|----|----|-----|-----|---|----|-------------|-----|----|----|----|
| MSL-06              | 220 | 170 | 58 | 18 | 130 | 45  | 6 | 26 | 3-M10×1.5P  | 68  | 26 | 10 | 13 |
| MSL-08              | 270 | 210 | 65 | 20 | 155 | 60  | 6 | 28 | 3-M10×1.5P  | 82  | 28 | 11 | 13 |
| MSL-10              | 315 | 255 | 73 | 20 | 190 | 80  | 6 | 32 | 3-M12×1.75P | 93  | 32 | 12 | 16 |
| MSL-12              | 370 | 305 | 80 | 22 | 250 | 105 | 5 | 40 | 3-M10×1.75P | 118 | 40 | 14 | 18 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

## 4-조 단동척

## 4-JAW INDEPENDENT CHUCK

4つ爪単動チャック / 四爪単動卡盘4爪



－ 가장 일반적 모델    · 고품질, 긴 수명    · 호환성    · 부속품    · 맞춤서비스

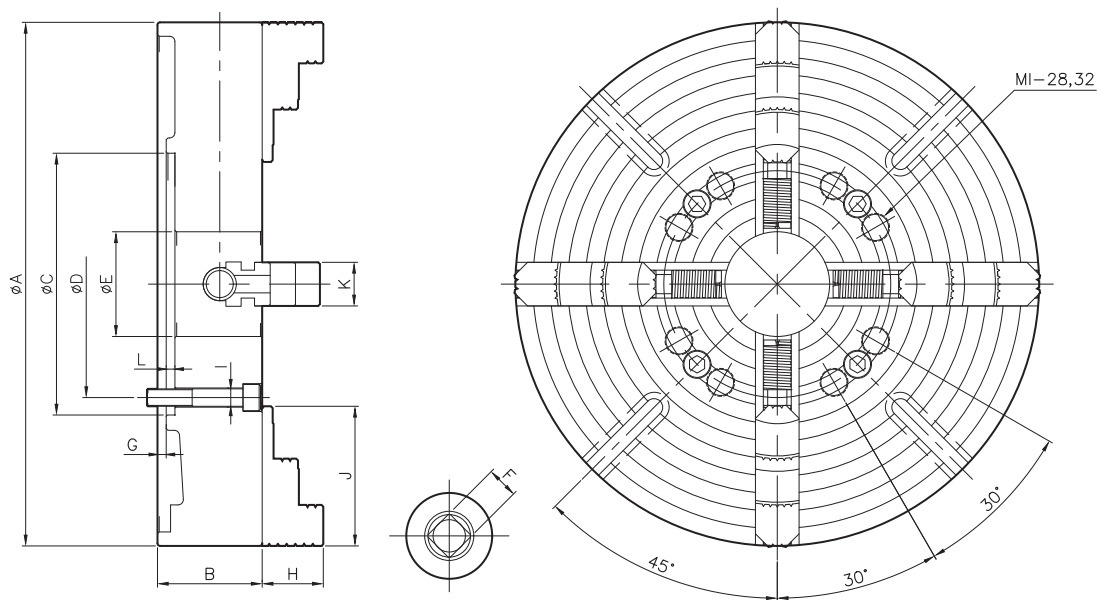
－ General model    · High Quality & Long Durability  
     · Compatibility    · Parts    · Customization

－ 最も一般的なモデル    · 高品質, 長寿命  
     · 互換性    · 付属品    · お客様方 によるサービス

－ 普通型    · 质量好, 使用寿命长    · 兼容性    · 随机附件    · 可特殊订货

## Specifications/规格/仕様表/사양표

| Spec.사양<br>Model형식 | Order NO.<br>오더번호 | Chuck size<br>척외경<br>mm | Thru-hole Dia<br>관통경<br>mm | Gripping Force<br>파악력<br>kgf | Max. Gripping Dia<br>최대파악경<br>mm | Weight<br>중량<br>kg | Max. permissible speed<br>최고사용회전수<br>r.p.m.(min <sup>-1</sup> ) |
|--------------------|-------------------|-------------------------|----------------------------|------------------------------|----------------------------------|--------------------|-----------------------------------------------------------------|
| MI-6               | 00706             | 150                     | 40                         | 600                          | 140                              | 6.1                | 1600                                                            |
| MI-8               | 00708             | 200                     | 50                         | 1000                         | 185                              | 14.8               | 1600                                                            |
| MI-10              | 00710             | 250                     | 55                         | 1400                         | 220                              | 21                 | 1600                                                            |
| MI-12              | 00712             | 300                     | 65                         | 1600                         | 265                              | 29.5               | 1400                                                            |
| MI-14              | 00714             | 350                     | 75                         | 1700                         | 310                              | 40                 | 1400                                                            |
| MI-16              | 00716             | 400                     | 90                         | 2000                         | 360                              | 56.5               | 1200                                                            |
| MI-18              | 00718             | 450                     | 100                        | 2000                         | 405                              | 70                 | 1200                                                            |
| MI-20              | 00720             | 500                     | 110                        | 2200                         | 450                              | 90                 | 900                                                             |
| MI-24              | 00724             | 600                     | 120                        | 2300                         | 550                              | 150                | 900                                                             |
| MI-28              | 00728             | 710                     | 140                        | 2350                         | 650                              | 220                | 700                                                             |
| MI-32              | 00732             | 813                     | 140                        | 2400                         | 755                              | 270                | 600                                                             |
| MI-40              | 00740             | 1000                    | 190                        | 3100                         | 910                              | 550                | 500                                                             |
| MI-50              | 00750             | 1300                    | 390                        | 4181                         | 1170                             | 1420               | 380                                                             |
| MI-63              | 00763             | 1600                    | 200                        | 4181                         | 1550                             | 2083               | 240                                                             |



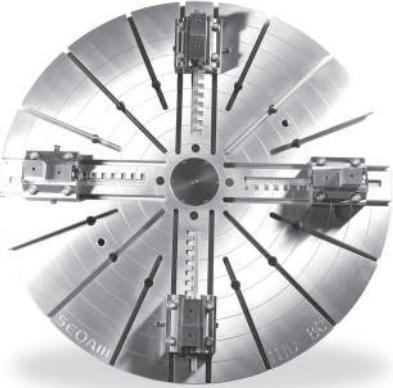
Dimension/尺寸/寸法表/치수표

| Item항목<br>Model형식 | A    | B   | C   | D     | E   | F  | G   | H   | I         | J   | K  | L  |
|-------------------|------|-----|-----|-------|-----|----|-----|-----|-----------|-----|----|----|
| MI-6              | 150  | 60  | 130 | 115   | 40  | 8  | -   | 25  | 4-M10     | 55  | 25 | 5  |
| MI-8              | 200  | 75  | 175 | 155   | 50  | 10 | -   | 30  | 4-M12     | 75  | 30 | 6  |
| MI-10             | 250  | 80  | 150 | 125   | 55  | 10 | 2.5 | 35  | 4-M12     | 90  | 30 | 6  |
| MI-12             | 300  | 90  | 170 | 140   | 65  | 12 | 3   | 40  | 4-M12     | 100 | 35 | 6  |
| MI-14             | 350  | 90  | 190 | 160   | 75  | 12 | 3   | 45  | 4-M12     | 110 | 35 | 8  |
| MI-16             | 400  | 100 | 210 | 180   | 90  | 14 | 5   | 50  | 4-M16     | 120 | 40 | 8  |
| MI-18             | 450  | 105 | 230 | 200   | 100 | 14 | 5   | 55  | 4-M16     | 130 | 40 | 8  |
| MI-20             | 500  | 110 | 250 | 220   | 110 | 14 | 5   | 60  | 4-M16     | 140 | 45 | 8  |
| MI-24             | 600  | 120 | 300 | 260   | 120 | 15 | 10  | 70  | 4-M20     | 160 | 50 | 10 |
| MI-28             | 710  | 120 | 350 | 300   | 140 | 14 | 8   | 70  | 8-M20X2.5 | 180 | 50 | 12 |
| MI-32             | 813  | 120 | 400 | 350   | 140 | 14 | 8   | 70  | 8-M20X2.5 | 180 | 50 | 12 |
| MI-40             | 1000 | 175 | 460 | 510   | 190 | 17 | 1   | 88  | 6-M24X3.0 | 196 | 55 | 14 |
| MI-50             | 1300 | 200 | 520 | 463.6 | 180 | 26 | 2   | 80  | 8-M24X3.0 | 170 | 70 | 6  |
| MI-63             | 1600 | 220 | 580 | 330.2 | 200 | 22 | 7   | 100 | 8-M24X3.0 | 230 | 80 | 7  |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

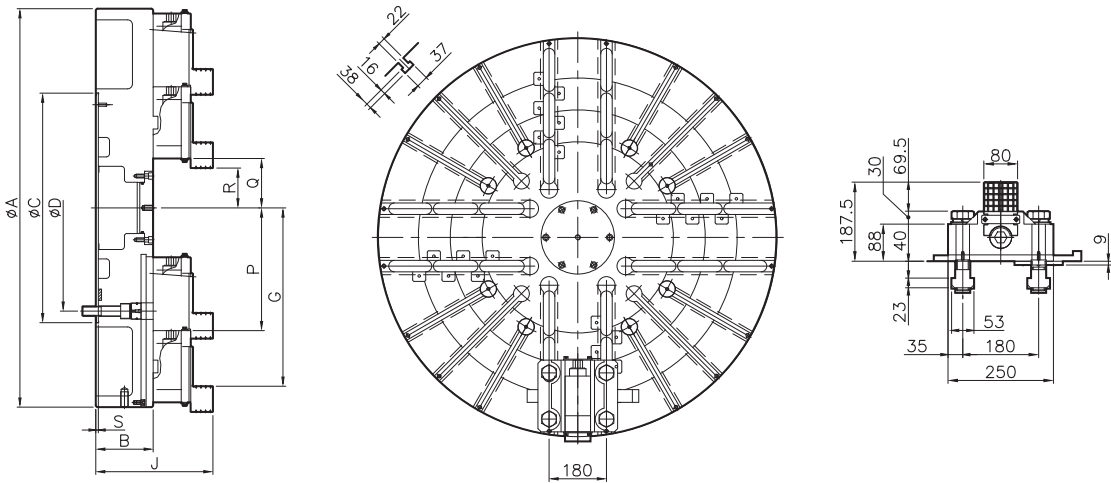
Model Description/型号说明/型式番号表示/형식번호 표시

MI -        
Chuck Size



- 조작성이 편리한 매뉴얼척(2단 매뉴얼 Jaw적용)
- Easy to operate scroll chuck with sepped jaws.
- 操作性が容易なマニュアルチャック(2段マニュアルジョウ適用)
- 操作性方便的标准型手动卡盘

### Outward Drawing/外型图/外刑图/외형도



※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.  
 ※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

### Specifications/规格/仕様表/사양표

| Spec. 사양<br>Model 형식 | Order NO.<br>오더번호 | Box Jaw stroke<br>조 스트로크<br>mm | Max. static gripping force<br>최대 정적파악력<br>KN(kgf) | Gripping Dia(External gripping)<br>파악경(외경파악) mm |        | Max. permissible speed<br>최고 사용회전수<br>r.p.m(min <sup>-1</sup> ) | Weight<br>무게<br>kg | GD <sup>2</sup><br>Moment of inertia<br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) |
|----------------------|-------------------|--------------------------------|---------------------------------------------------|-------------------------------------------------|--------|-----------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------|
|                      |                   |                                |                                                   | Max 최대                                          | Min 최소 |                                                                 |                    |                                                                                |
| MU-50                | 1MU50             | 50                             | -                                                 | 1100                                            | 260    | 400                                                             | 900                | -                                                                              |
| MU-55                | 1MU55             | 50                             | -                                                 | 1250                                            | 260    | 400                                                             | 1350               | -                                                                              |
| MU-63                | 1MU63             | 50                             | -                                                 | 1400                                            | 330    | 300                                                             | 1650               | -                                                                              |
| MU-70                | 1MU70             | 50                             | -                                                 | 1590                                            | 330    | 250                                                             | 2000               | -                                                                              |
| MU-80                | 1MU80             | 50                             | -                                                 | 1820                                            | 330    | 250                                                             | 3200               | -                                                                              |

### Dimension/尺寸/寸法表/치수표

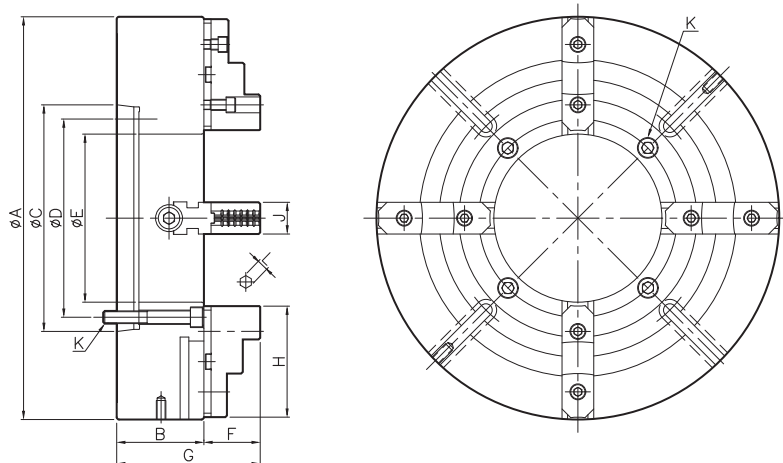
| Item 항목<br>Model 형식 | A    | B   | C    | D     | E | F | G max | J     | K           | M | N | P | Q | R min | S | T |
|---------------------|------|-----|------|-------|---|---|-------|-------|-------------|---|---|---|---|-------|---|---|
| MU-50               | 1250 | 180 | 720  | 647.6 | - | - | 550   | 367.5 | 8-M30×120L  | - | - | - | - | 130   | 8 | - |
| MU-55               | 1400 | 180 | 720  | 647.6 | - | - | 550   | 365.5 | 8-M30×120L  | - | - | - | - | 130   | 8 | - |
| MU-63               | 1600 | 240 | 1020 | 956   | - | - | 700   | 428   | 12-M30×150L | - | - | - | - | 165   | 8 | - |
| MU-70               | 1800 | 240 | 1020 | 956   | - | - | 795   | 428   | 12-M30×150L | - | - | - | - | 165   | 8 | - |
| MU-80               | 2000 | 260 | -    | 1120  | - | - | 1820  | 445   | 16-M24×110L | - | - | - | - | 150   | - | - |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
 ※ Specifications are subject to change without notice.



- 내구성이 강함(스틸 바디)      • 산업용 파이프 가공시 적합
- High durability(Steel Body) • Suitable such as industrial pipes
- 高い耐久性(スチールボディー) • 産業用パイプ加工事に適合
- 耐摩損(合岡1本)      • 工業用煙斗 架設

### Outward Drawing/外型图/外刑图/외형도



### Specifications/规格/仕様表/사양표

| Spec. 사양<br>Model 형식 | Order NO.<br>오더번호 | Chuck size<br>척외경<br>mm | Thru-hole Dia<br>관통경<br>mm | Gripping Force<br>파악력<br>kgf | Gripping Dia 파악경 |              | Weight<br>중량<br>kg | Max. permissible speed<br>최고사용회전수<br>r.p.m(min <sup>-1</sup> ) |
|----------------------|-------------------|-------------------------|----------------------------|------------------------------|------------------|--------------|--------------------|----------------------------------------------------------------|
|                      |                   |                         |                            |                              | External (Ø)     | Internal (Ø) |                    |                                                                |
|                      |                   |                         |                            |                              | Max 최대           | Min 최소       |                    |                                                                |
| MIOC-20              | 00720OC           | 508                     | 210                        | 2800                         | 508              | 450          | 180                | 1000                                                           |
| MIOC-24              | 00724OC           | 600                     | 310                        | 3904                         | 600              | 518          | 190                | 850                                                            |
| MIOC-28              | 00728OC           | 710                     | 310                        | 3056                         | 710              | 710          | 340                | 750                                                            |
| MIOC-32              | 00732OC           | 800                     | 380                        | 3300                         | 800              | 800          | 463                | 600                                                            |

### Dimension/尺寸/寸法表/치수표

| Item 항목<br>Model 형식 | A   | B   | C | D     | E       | F      | G      | H     | J  | K   | L  | Type of Mounting |
|---------------------|-----|-----|---|-------|---------|--------|--------|-------|----|-----|----|------------------|
| MIOC-20             | 508 | 110 | - | 250   | 210     | 71     | 181    | 140   | 40 | M16 | 14 | A2-15            |
| MIOC-24             | 600 | 140 | - | 500   | 280/310 | 94.5   | 234.4  | 159.5 | 55 | M24 | 17 | A2-15/A2-20      |
| MIOC-28             | 710 | 140 | - | 463.6 | 280/310 | 89     | 229    | 205   | 60 | M24 | 22 | A2-15/A2-20      |
| MIOC-32             | 800 | 145 | - | 463.6 | 280/380 | 104.15 | 249.15 | 200   | 60 | M24 | 22 | A2-15/A2-20      |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.

# SEOAM

## ACCESSORIES

최고라는 자부심으로 최선을 다합니다.

초정밀 부품 가공 제조 업체로 60여년간 축적된 기술력과 끊임없는 노력으로  
부품 가공 전문 기업으로 고객이 믿고 찾을 수 있는 제품과 서비스를 제공하여  
드릴것을 약속하겠습니다.

서암기계공업주식회사는 “최고의 품질”과 “고 정밀도”를 자랑합니다.

We will make a great effort to get customers satisfaction with self-confidence of the best.

The SEOAM promises to provide quality spare parts and reliable services with accumulated  
technologies and knowhow in precise parts manufacturing for 60 years

SEOAM Machinery is proud of the highest quality and precision products.





## SOFT JAW

소프트 죠  
SOFT JAW

72P



## HARD JAW

하드 죠  
HARD JAW

73P



## JAW NUT

죤 너트  
JAW NUT

74P



## ADAPTER

아답터  
ADAPTER

75P



## MS-JAW

매뉴얼 척 죠  
MANUAL CHUCK JAW

77P

# SOFT JAW

소프트 죠  
SOFT JAW  
生爪 / 软爪



## ▶ SOFT JAW

**SJ** -      
Chuck Size      Option  
Shape A | Flat(각형)  
B | Protrude(山형)

Fig.1

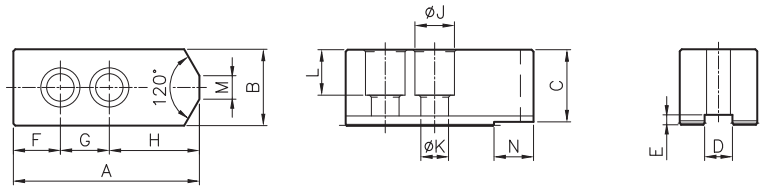


Fig.2

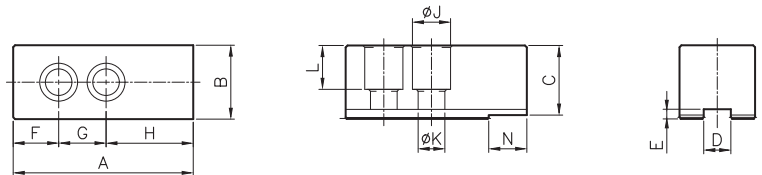
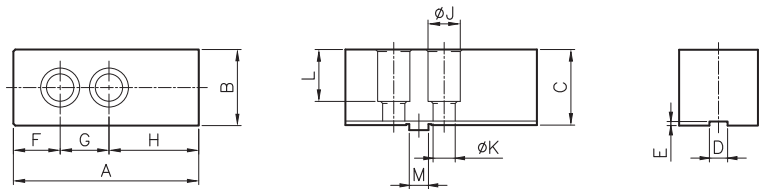


Fig.3



## Dimension/尺寸/寸法表/치수표

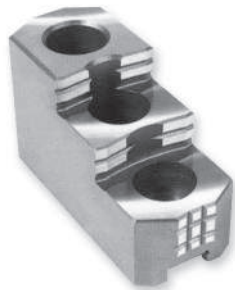
| Type    | Fig | Serration | A   | B   | C    | D    | E    | F    | G      | H    | J    | K   | L    | M     | N  | Matching Chuck 적용척 |
|---------|-----|-----------|-----|-----|------|------|------|------|--------|------|------|-----|------|-------|----|--------------------|
| SJ-04T2 | 1   | 1.5X60°   | 54  | 25  | 25   | 10   | 5    | 10   | 14     | 30   | 13.5 | 9   | 14   | 8     | 3  | CAS-4              |
| SJ-05T1 | 1   | 1.5X60°   | 54  | 23  | 25   | 10   | 4    | 11.5 | 14     | 28   | 13.5 | 8.5 | 16.5 | 5     | -  | CAH-5              |
| SJ-06T1 | 1   | 1.5X60°   | 72  | 31  | 31.5 | 12   | 5    | 15   | 20     | 37   | 17.5 | 11  | 19.5 | 12    | 15 | CAH/CAS/CGH-6      |
| SJ-08T1 | 1   | 1.5X60°   | 95  | 37  | 37.5 | 14   | 5    | 20   | 25     | 50   | 20   | 14  | 22.5 | 12    | 20 | CAH/CAS/CGH-8      |
| SJ-10T1 | 1   | 1.5X60°   | 110 | 44  | 44.5 | 16   | 5    | 30   | 30     | 50   | 20   | 14  | 28.5 | 15    | 20 | CAH/CAS/CGH-10     |
| SJ-12T1 | 2   | 1.5X60°   | 129 | 49  | 49   | 18   | 6    | 39   | 30     | 60   | 23   | 16  | 31   | -     | -  | CAS-12             |
| SJ-12A1 | 2   | 1.5X60°   | 111 | 49  | 49.5 | 21   | 5    | 21   | 30     | 60   | 25   | 17  | 31.5 | -     | -  | CAH-12             |
| SJ-15A1 | 2   | 1.5X60°   | 165 | 59  | 59.5 | 22   | 8    | 47   | 43     | 75   | 32   | 22  | 36   | -     | -  | CAH-15,18          |
| SJ-15A2 | 2   | 3.0X60°   | 156 | 65  | 70   | 26   | 8    | 34   | 50     | 72   | 32   | 21  | 50   | -     | -  | CASD-15,18,21      |
| SJ-15A3 | 2   | 1.5X60°   | 135 | 50  | 59   | 25.5 | 5    | 26   | 43     | 66   | 32   | 22  | 39   | -     | -  | CAS-15,18          |
| SJ-21A1 | 2   | 3.0X60°   | 180 | 59  | 59.5 | 25   | 9.5  | 40   | 60     | 80   | 32   | 22  | 36   | -     | -  | CAH/CAS-21,24      |
| SJ-21A2 | 2   | 3.0X60°   | 180 | 65  | 70   | 26   | 8    | 34   | 50     | 96   | 32   | 22  | 50   | -     | -  | CASD-24            |
| SJ-32A1 | 3   | -         | 165 | 75  | 83   | 12.7 | 12.5 | 21.9 | 76.2   | 66.9 | 32   | 27  | 54   | 19.03 | -  | CAS-32, 32HC       |
| SJ-40A1 | 3   | -         | 200 | 98  | 110  | 30   | 6    | 35   | 100    | 65   | 40   | 27  | 86   | 19.03 | -  | CAS-40, 50         |
| SJ-40A2 | 3   | -         | 270 | 110 | 110  | 30   | 8.5  | 48.8 | 2-76.2 | 68.8 | 40   | 27  | 85   | 19.03 | -  | CAS-40HC, 50HC     |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.

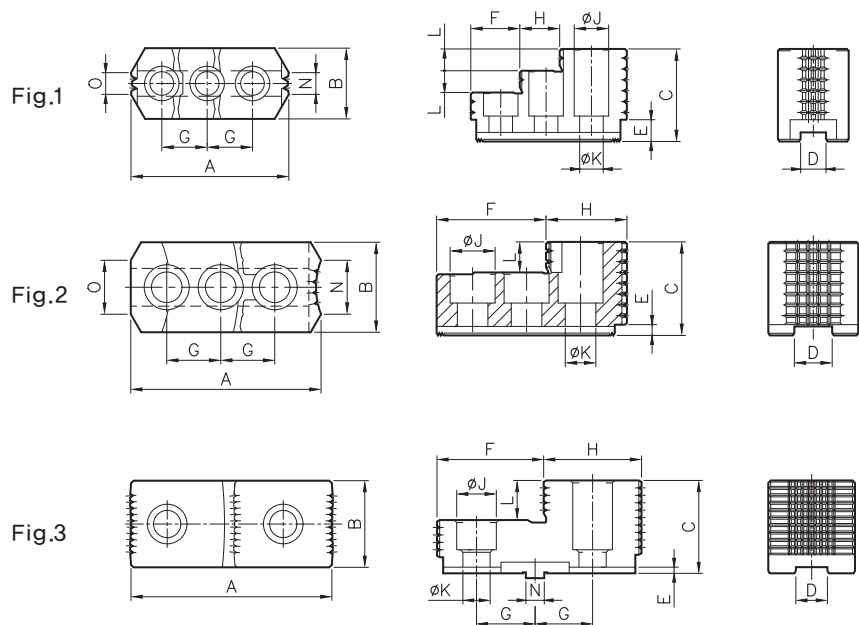
# HARD JAW

하드 죠  
HARD JAW  
硬爪 / 硬爪



## ▶ HARD JAW

**HJ** -      
Chuck Size      Option  
Shape A | 2 Step(2단)  
B | 3 Step(3단)



## Dimension/尺寸/寸法表/치수표

| Type    | Fig | Serration | A     | B  | C   | D    | E   | F      | G     | H    | J    | K  | L  | N     | O  | Matching Chuck 적용척 |
|---------|-----|-----------|-------|----|-----|------|-----|--------|-------|------|------|----|----|-------|----|--------------------|
| HJ-06T1 | 1   | 1.5X60°   | 75.5  | 31 | 41  | 12   | 5   | 30     | 20    | 12   | 17.5 | 11 | 10 | 10    | 15 | CAH/CAS-6          |
| HJ-08T1 | 1   | 1.5X60°   | 87    | 39 | 51  | 14   | 5   | 27     | 25    | 22   | 19   | 13 | 12 | 12    | 12 | CAH/CGH/CAS-8      |
| HJ-10T1 | 1   | 1.5X60°   | 101   | 40 | 54  | 16   | 5   | 43     | 30    | 17   | 19   | 13 | 13 | 15    | 15 | CAH/CGH/CAS-10     |
| HJ-12A1 | 2   | 1.5X60°   | 105.8 | 50 | 55  | 21   | 5   | 60.5   | 30    | 45.3 | 25   | 17 | 17 | 30    | 30 | CAH-12             |
| HJ-12T1 | 1   | 1.5X60°   | 104.4 | 50 | 62  | 18   | 6   | 29.6   | 30    | 30.3 | 23   | 16 | 15 | 25    | 25 | CAS-12             |
| HJ-15T1 | 1   | 1.5X60°   | 159.2 | 62 | 86  | 22   | 8   | 66     | 43    | 35   | 32   | 21 | 20 | 40    | 40 | CAH-15,18          |
| HJ-15A1 | 2   | 3.0X60°   | 153.5 | 65 | 75  | 26   | 8   | 83     | 50    | 70.5 | 32   | 22 | 30 | 44    | 44 | CASD-15,18,21      |
| HJ-15A3 | 1   | 1.5X60°   | 149   | 62 | 86  | 25.5 | 5   | 69     | 43    | 27   | 32   | 21 | 20 | 43    | 38 | CAS-15,18          |
| HJ-21B1 | 2   | 3.0X60°   | 159.5 | 80 | 90  | 25   | 12  | 103.48 | 50    | 56.2 | 32   | 22 | 40 | 55    | -  | CAH/CAS-21,24      |
| HJ-32A1 | 3   | -         | 145   | 70 | 75  | 12.7 | 5   | 66     | 76.2  | 79   | 32   | 22 | 32 | 19.03 | -  | CAS-32,32HC        |
| HJ-40A1 | 3   | -         | 170   | 90 | 110 | 30   | 6   | 100    | 100   | 70   | 40   | 27 | 47 | 19.03 | -  | CAS-40,50          |
| HJ-40A2 | 3   | -         | 222.5 | 80 | 117 | 30   | 8.5 | 133    | 114.3 | 89.5 | 40   | 27 | 55 | 19.03 | -  | CAS-40HC,50HC      |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

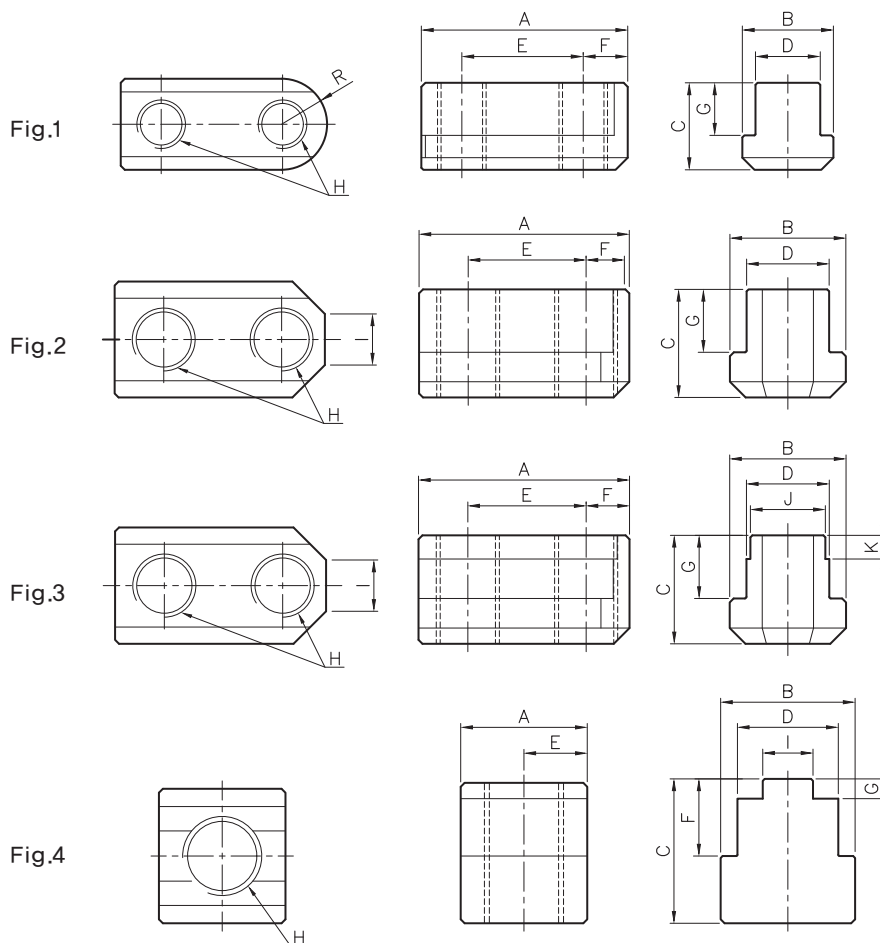
※ Specifications are subject to change without notice.

# JAW NUT

조 너트

JAW NUT

爪ナット/ 爪螺母



Dimension/尺寸/寸法表/치수표

| Type       | Fig | A    | B    | C    | D    | E    | F    | G  | H   | I    | J  | R     |
|------------|-----|------|------|------|------|------|------|----|-----|------|----|-------|
| CAH-05     | 1   | 25   | 14.5 | 14.5 | 10   | 14   | 5.5  | 9  | M8  | -    | -  | 7.5   |
| CAH-06     | 1   | 35   | 17.5 | 18.5 | 12   | 20   | 8    | 11 | M10 | -    | -  | 8.75  |
| CAH-08     | 1   | 46   | 20.5 | 20.5 | 14   | 25   | 10   | 12 | M12 | -    | -  | 10.25 |
| CAH-10     | 1   | 51   | 22.5 | 21.5 | 16   | 30   | 11   | 13 | M12 | -    | -  | 11.25 |
| CAH-12     | 2   | 53.5 | 29.4 | 27.5 | 21   | 30   | 11   | 16 | M16 | 13   | -  | -     |
| CAH-15, 18 | 3   | 80   | 33.5 | 45.5 | 24   | 43   | 17   | 29 | M20 | 11   | 22 | -     |
| CAH-21, 24 | 2   | 100  | 37.5 | 45   | 25   | 60   | 20   | 26 | M20 | 16   | -  | -     |
| CAS-06     | 2   | 36   | 17.5 | 22.5 | 12   | 20   | 7.5  | 15 | M10 | 6    | -  | -     |
| CAS-08     | 2   | 48   | 20.5 | 25.5 | 14   | 25   | 11   | 16 | M12 | 8    | -  | -     |
| CAS-10     | 2   | 55   | 23   | 25.5 | 16   | 30   | 11   | 16 | M12 | 8    | -  | -     |
| CAS-12     | 2   | 55.5 | 26.5 | 33.5 | 18   | 30   | 11.5 | 20 | M14 | 12   | -  | -     |
| CAS-15, 18 | 2   | 75   | 35   | 39   | 25.5 | 43   | 16   | 20 | M20 | 12   | -  | -     |
| CAS-21, 24 | 2   | 100  | 37.5 | 45   | 25   | 60   | 20   | 26 | M20 | 16   | -  | -     |
| CAS-24     | 2   | 80.5 | 34   | 39   | 26   | 50   | 14.5 | 22 | M20 | 10   | -  | -     |
| CAS-32     | 4   | 32   | 34   | 36.5 | 25.5 | 16   | 19.5 | 5  | M20 | 12.7 | -  | -     |
| CAS-40     | 4   | 36   | 43   | 44   | 30   | 21.5 | 26   | -  | M24 | -    | -  | -     |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.

# ADAPTER

아답터  
ADAPTER  
アダプター / 法兰

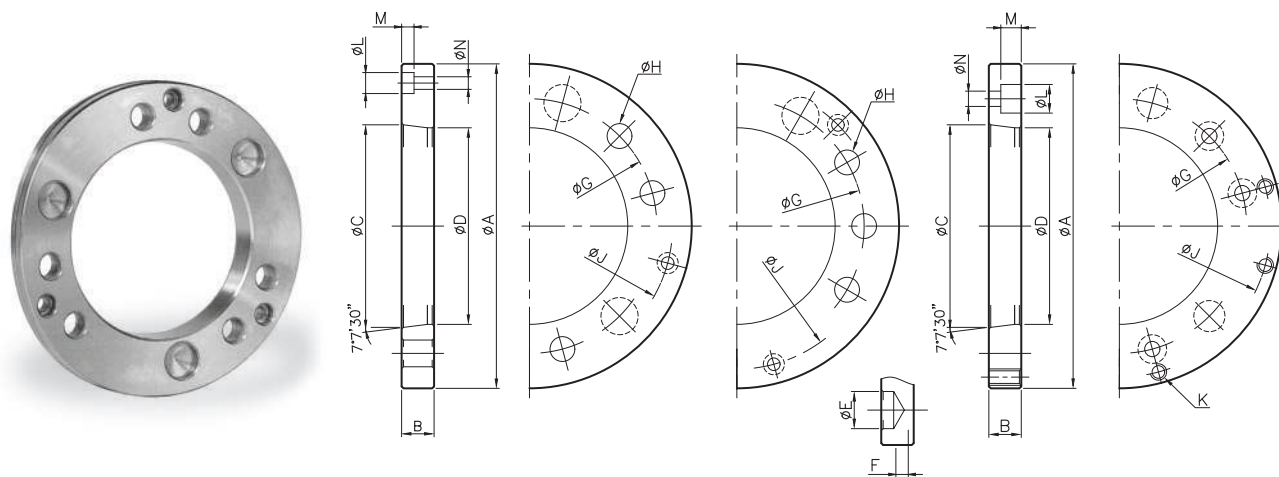


Fig.1-1

Fig.1-2

Fig.2

## ▶ ADAPTER

AD  -   A

Chuck Size Spindle Nose

Blank | Standard  
T | 2-jaw type  
F | 4-jaw type

## Outward Drawing / 外型图 / 外形图 / 외형도

| Model형식           | Item항목 | spindle nose | Fig | A  | B       | C      | D     | E   | F      | G    | H      | J   | K    | L    | M   | N             | Matching Chuck 적용척 |
|-------------------|--------|--------------|-----|----|---------|--------|-------|-----|--------|------|--------|-----|------|------|-----|---------------|--------------------|
| AD-05A04          | A2-4   | 1-1          | 110 | 15 | 63.513  | 61     | 14.7  | 6.5 | 82.55  | 12   | 96     | -   | 11   | 6.5  | 6.6 | CAH, CAS-05   |                    |
| AD-06A05          | A2-5   | 1-1          | 140 | 15 | 82.563  | 79.7   | 16.3  | 6.5 | 104.78 | 12   | 116    | -   | 11   | 6.5  | 6.6 | CAH, CAS-06   |                    |
| AD-08A05          | A2-5   | 2            | 170 | 25 | 82.563  | 79.7   | 16.3  | 6.5 | 104.78 | -    | 133.35 | M12 | 17.5 | 11.5 | 11  | CAH, CAS-08   |                    |
| AD-08A06          | A2-6   | 1-1          | 170 | 17 | 106.375 | 103    | 19.45 | 6.5 | 133.35 | 13.5 | 150    | -   | 11   | 6.5  | 6.6 | CAH, CAS-08   |                    |
| AD-10A06 AD-12A06 | A2-6   | 2            | 220 | 26 | 106.375 | 103    | 19.45 | 6.5 | 133.35 | -    | 171.45 | M16 | 20   | 13.5 | 14  | CAH, CAS-10   |                    |
| AD-10A08 AD-12A08 | A2-8   | 1-1          | 220 | 18 | 139.719 | 136    | 24.2  | 8   | 171.45 | 18   | 190    | -   | 14   | 10   | 9   | CAH, CAS-10   |                    |
| AD-15A11          | A2-11  | 1-1          | 300 | 22 | 196.87  | 192.1  | 29.36 | 10  | 235    | 21   | 260    | -   | 17   | 11   | 11  | CAH-15        |                    |
| AD-18A11          | A2-11  | 1-1          | 380 | 22 | 196.87  | 192.1  | 29.36 | 10  | 235    | 22   | 320    | -   | 17.5 | 11   | 11  | CAH-18        |                    |
| AD-24A15          | A2-15  | 1-1          | 380 | 27 | 285.77  | 280.28 | 35.5  | 10  | 330.2  | 24   | 330.2  | -   | 20   | 14   | 14  | CAH-24        |                    |
| ADT-06A05         | A2-5   | 1-2          | 140 | 15 | 82.563  | 79.7   | 16.3  | 6.5 | 104.78 | 12   | 116    | -   | 11   | 6.5  | 6.6 | CAHT, CAST-06 |                    |
| ADT-08A06         | A2-6   | 1-2          | 170 | 17 | 106.375 | 103    | 19.45 | 6.5 | 133.35 | 13.5 | 150    | -   | 11   | 6.5  | 6.6 | CAHT, CAST-08 |                    |
| ADT-10A08         | A2-8   | 1-2          | 220 | 18 | 139.719 | 136    | 24.2  | 8   | 171.45 | 18   | 190    | -   | 14   | 10   | 9   | CAHT, CAST-10 |                    |
| ADF-08A06         | A2-6   | 1-1          | 170 | 17 | 106.375 | 103    | 19.45 | 6.5 | 133.35 | 13.5 | 150    | -   | 11   | 6.5  | 6.6 | CAHF-08       |                    |
| ADF-12A08         | A2-8   | 2            | 220 | 32 | 139.719 | 136    | 24.2  | 8   | 171.45 | -    | 171.45 | M16 | 26   | 17.5 | 18  | CAHF-12       |                    |
| ADF-15A11         | A2-11  | 1-1          | 300 | 22 | 196.87  | 192.9  | 29.36 | 10  | 235    | 21   | 260    | -   | 17   | 11   | 11  | CAHF-15       |                    |
| ADF-18A11         | A2-11  | 1-1          | 380 | 22 | 196.87  | 192.1  | 29.36 | 10  | 235    | 22   | 320    | -   | 17.5 | 11   | 11  | CAHF-18       |                    |
| ADF-21A15         | A2-15  | 1-1          | 380 | 27 | 285.77  | 280.28 | 36    | 12  | 330.2  | 24   | 330.2  | -   | 20   | 14   | 14  | CAHF-21       |                    |
| ADF-24A15         | A2-15  | 1-1          | 380 | 27 | 285.77  | 280.28 | 36    | 10  | 330.2  | 24   | 330.2  | -   | 20   | 13   | 14  | CAHF-24       |                    |

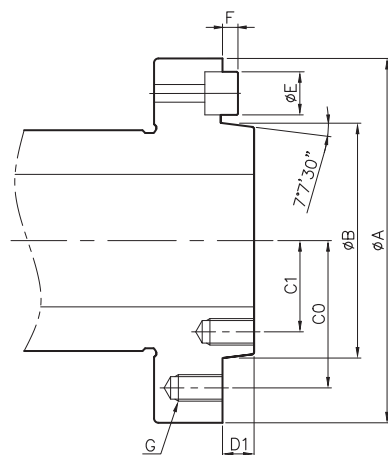
※ 치수 및 사양은 예고없이 변경될 수 있습니다.  
※ Specifications are subject to change without notice.

# Short taper Spindle Nose

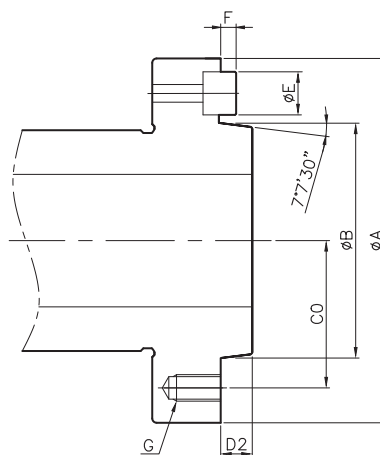
## 주축단 규격

SHORT TAPER SPINDLE NOSE

主軸テーパー規格 / 主軸端規格



SPINDLE A1 - Type



SPINDLE A2 - Type

## Dimension/尺寸/寸法表/치수표

| spindle nose | A   | B       | C0    | C1     | A1-Type D1 | A1-Type D2 | E     | F | G   |
|--------------|-----|---------|-------|--------|------------|------------|-------|---|-----|
| 3            | 92  | 53.975  | 35.3  | -      | -          | 11         | -     | - | M10 |
| 4            | 108 | 63.513  | 41.3  | -      | -          | 11         | 14.15 | 5 | M10 |
| 5            | 133 | 82.563  | 52.4  | 30.95  | 14.29      | 13         | 15.9  | 5 | M10 |
| 6            | 165 | 106.375 | 66.7  | 41.3   | 15.88      | 14         | 19.05 | 5 | M12 |
| 8            | 210 | 139.719 | 85.7  | 55.55  | 17.46      | 16         | 23.8  | 6 | M16 |
| 11           | 280 | 196.869 | 117.5 | 82.55  | 19.55      | 18         | 28.6  | 8 | M24 |
| 15           | 380 | 285.77  | 165.1 | 123.8  | 20.64      | 19         | 34.9  | 8 | M24 |
| 20           | 520 | 412.77  | 231.8 | 184.15 | 22.23      | 21         | 41.3  | 8 | M24 |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

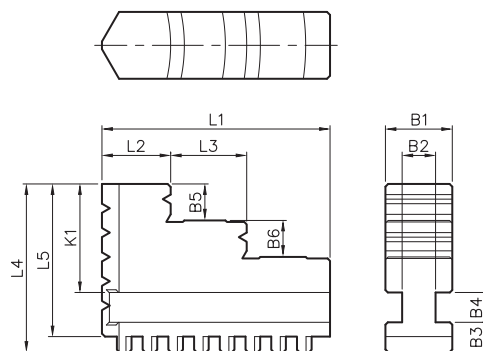
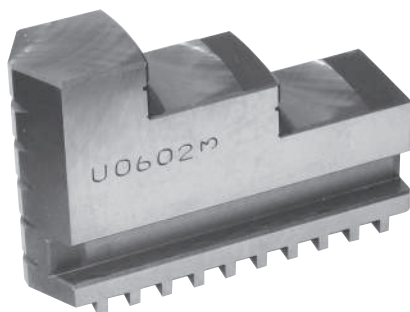
※ Specifications are subject to change without notice.

# MS-JAW

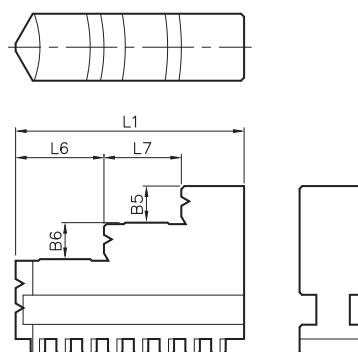
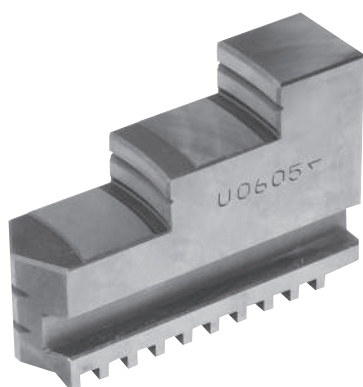
## 매뉴얼 척 조

MANUAL CHUCK JAW

スクロールチャック ジョー / 三爪卡盘爪



<내조 Internal Jaw>



<외조 External Jaw>

### Dimension/尺寸/寸法表/치수표

| Type  | L1  | L2   | L3 | L4   | L5   | L6   | L7   | B1 | B2   | B3    | B4   | B5 | B6 | K1    |
|-------|-----|------|----|------|------|------|------|----|------|-------|------|----|----|-------|
| MS-07 | 75  | 22.6 | 25 | 55.3 | 50.2 | 29   | 25.4 | 22 | 11   | 9.8   | 9.8  | 12 | 12 | 35.7  |
| MS-09 | 85  | 25.8 | 28 | 64.3 | 59.2 | 30.9 | 28   | 24 | 13.1 | 11    | 11.4 | 14 | 14 | 41.9  |
| MS-10 | 98  | 30.3 | 33 | 68.3 | 63.1 | 38.2 | 33   | 28 | 15.1 | 11.2  | 11.4 | 15 | 15 | 45.7  |
| MS-12 | 110 | 34   | 35 | 82.3 | 75.8 | 42.5 | 35   | 30 | 14.9 | 13.35 | 16   | 16 | 16 | 52.95 |
| MS-14 | 132 | 40   | 42 | 93.9 | 86.8 | 51.5 | 41.5 | 35 | 20   | 16    | 18   | 18 | 18 | 59.9  |

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



# SEOAM

## SPECIAL CHUCK

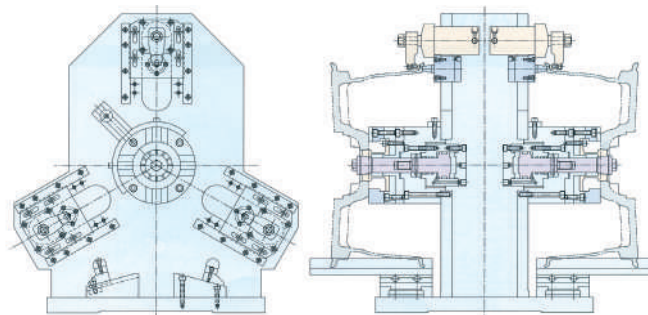
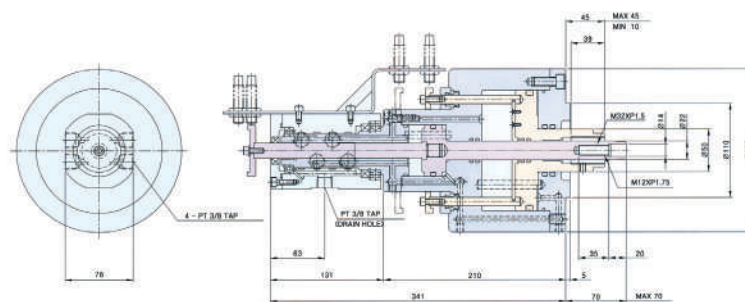
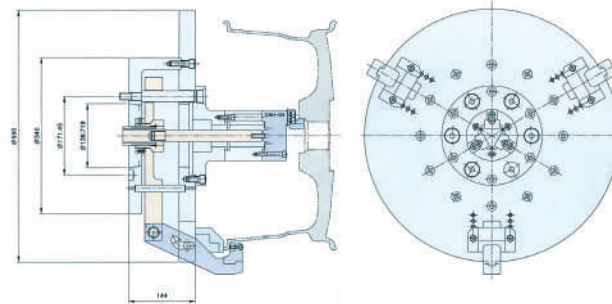
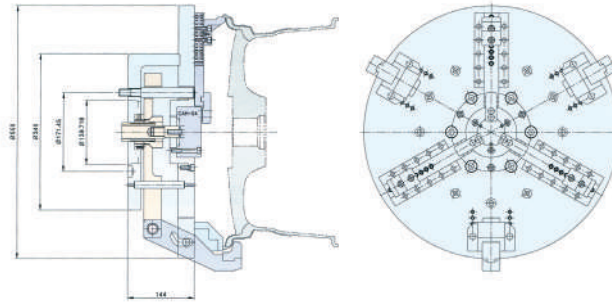
최고라는 자부심으로 최선을 다합니다.

국내 최초로 유압척과 실린더를 개발하고 각 종류의 고객 맞춤형 특수척을 제작해  
기계산업 발전과 발맞춰온 축적된 기술로 고객이 믿고 찾을 수 있는  
제품과 서비스를 제공하여 드릴것을 약속 하겠습니다.

서암기계공업주식회사는 “최고의 품질”과 “고 정밀도”를 자랑합니다.

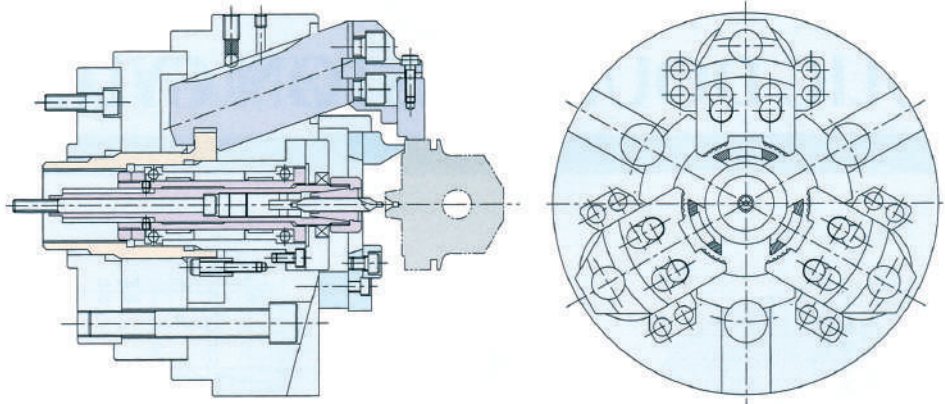
We will make a great effort to get customers satisfaction with self-confidence of the best.  
The SEOAM promises to provide world top class quality products and reliable solutions  
with accumulated technologies by developing own chuck & cylinder and offering high-end  
customized special purpose chuck keeping up with machine tool industry advancement.  
SEOAM Machinery is proud of the highest quality and precision products.

## SPECIAL CHUCK



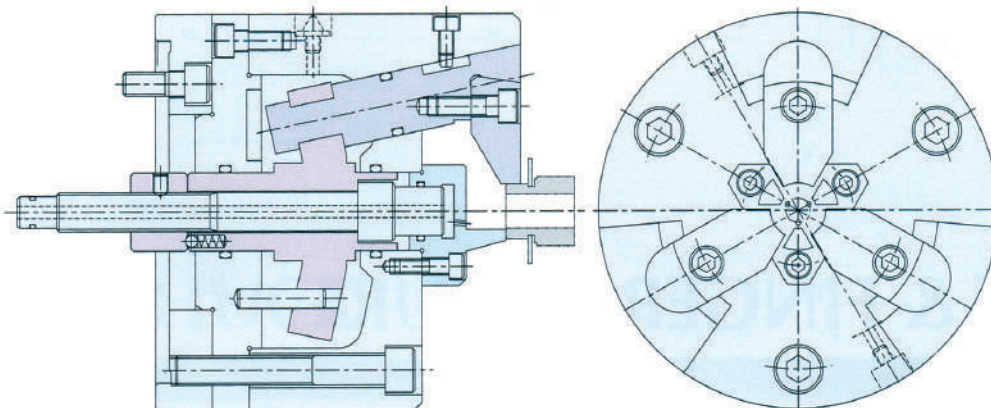
# DRAW DOWN CHUCK & CENTERING

Work : Piston



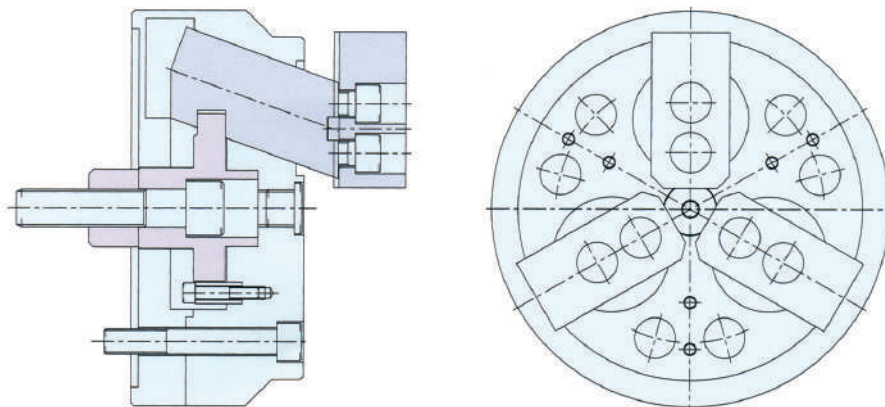
# OUTSIDE PIN ARBOR CHUCK

Work : Pinion gear



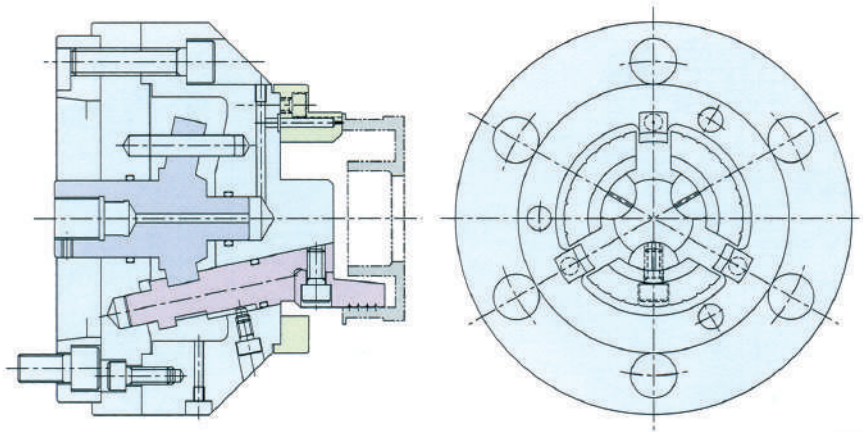
# INSIDE DRAW DOWN CHUCK

Work : Inside Chucking Standard(C13M)



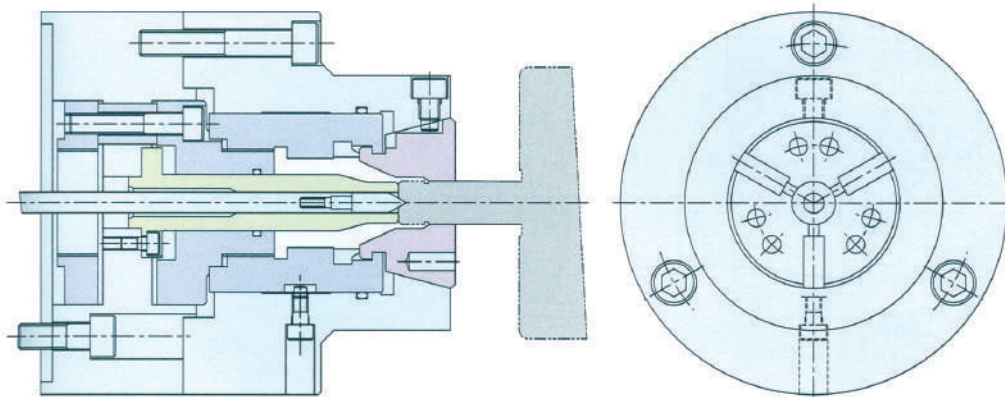
# INSIDE PIN ARBOR CHUCK

Work : Pulley



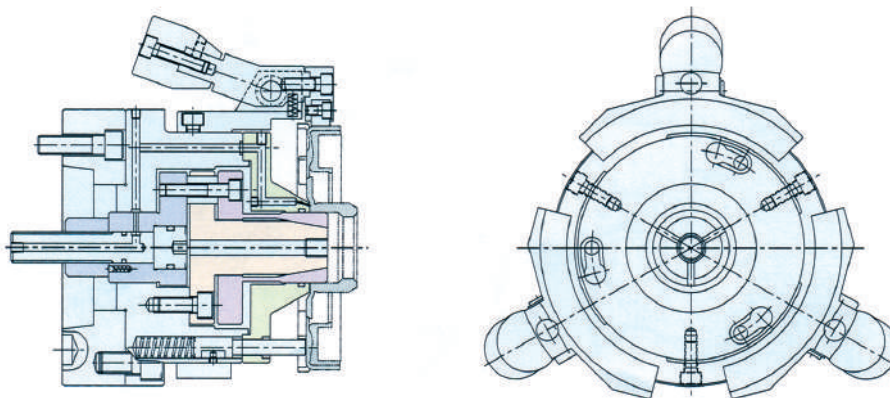
# RUBBER COLLET CHUCK

Work : Motor Rotor ASS'Y



# COLLET & SUB JAW CHUCK

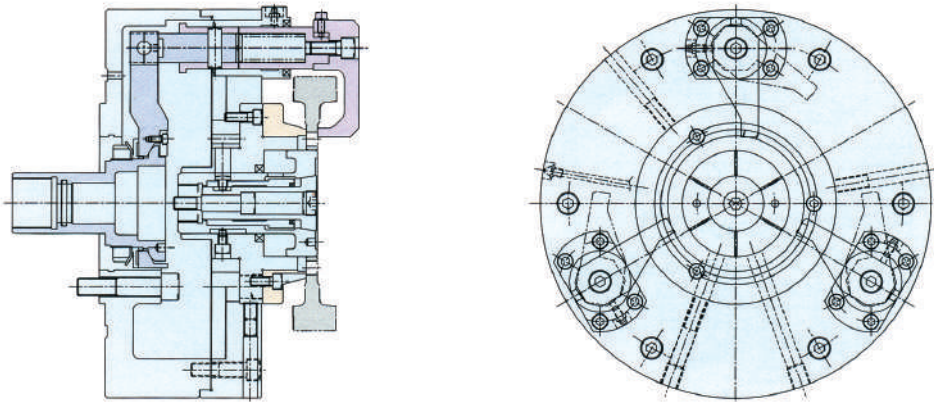
Work : Hub





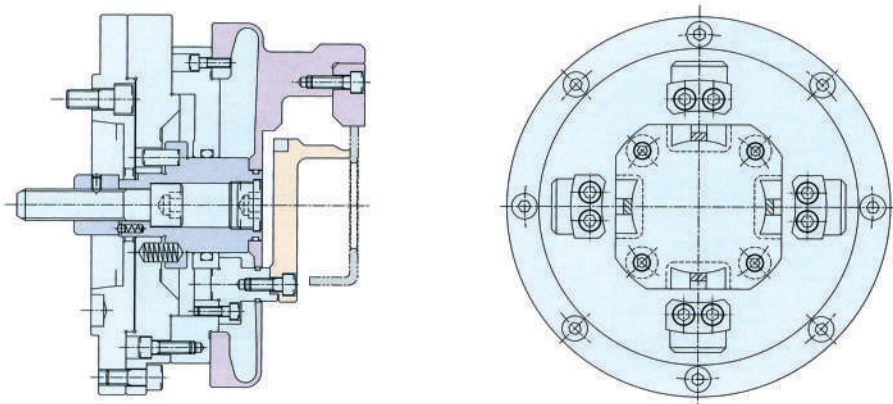
# FINGER & COLLET CHUCK

Work : Driving gear



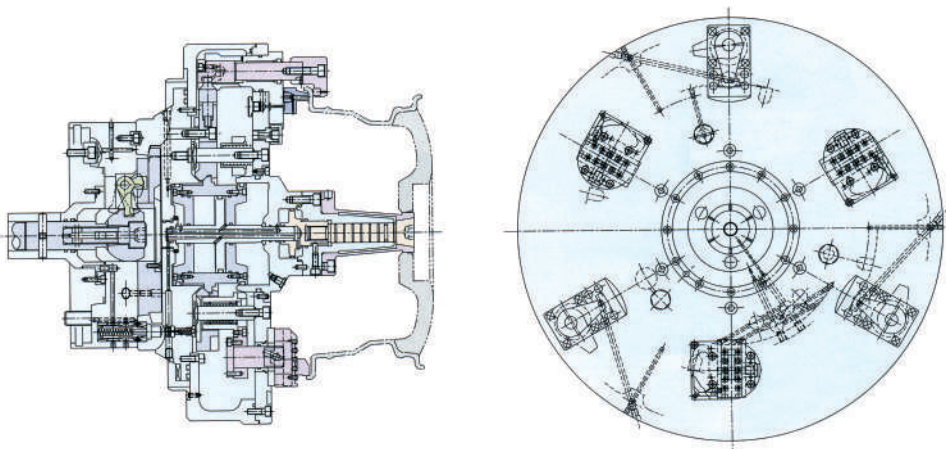
# DIAPHRAGM CHUCK

Work : Cup planet carrier



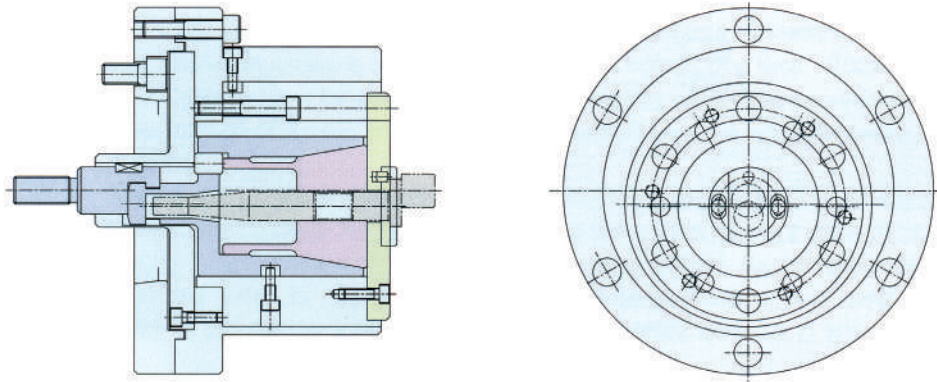
# FINGER & COLLET CHUCK (AIR CHUCK)

Work : AL-Wheel



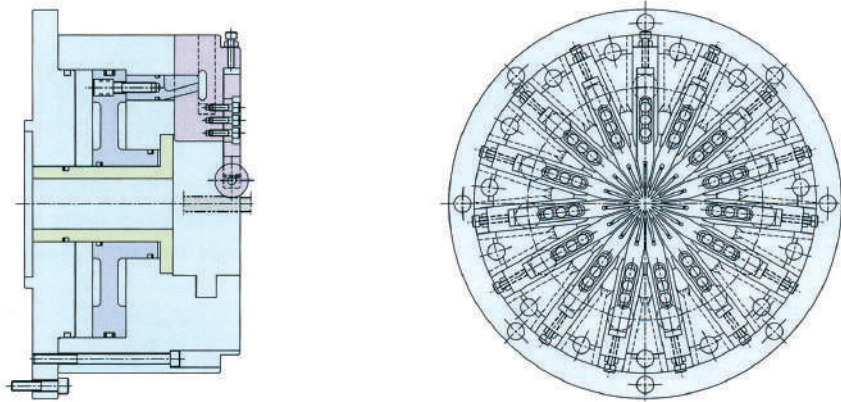
# ECCENTRIC & COLLET CHUCK

Work : Compressor shaft



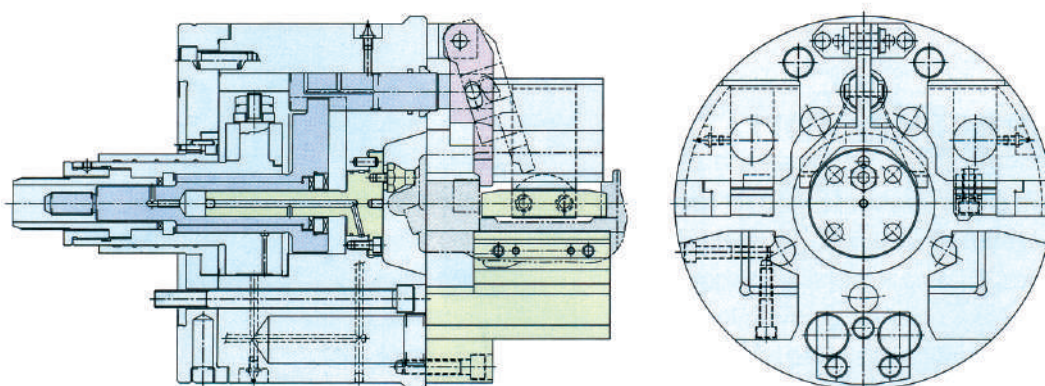
# WEDGE BAR CHUCK

Work : Copper pipe



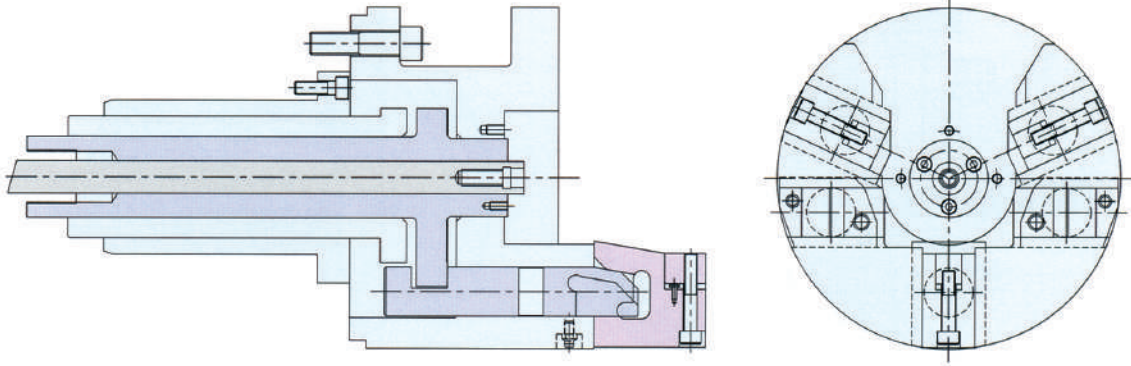
# LEVER CHUCK

Work : Caliper housing



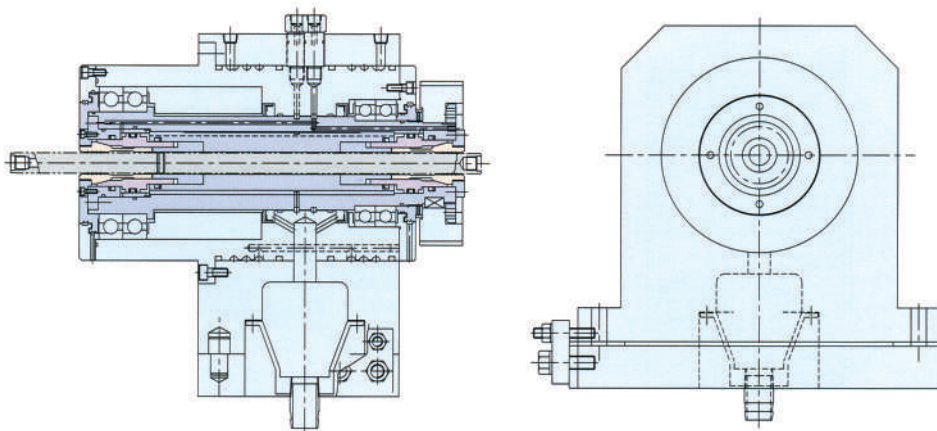
# WEDGE BAR CHUCK

Work : Crank shaft



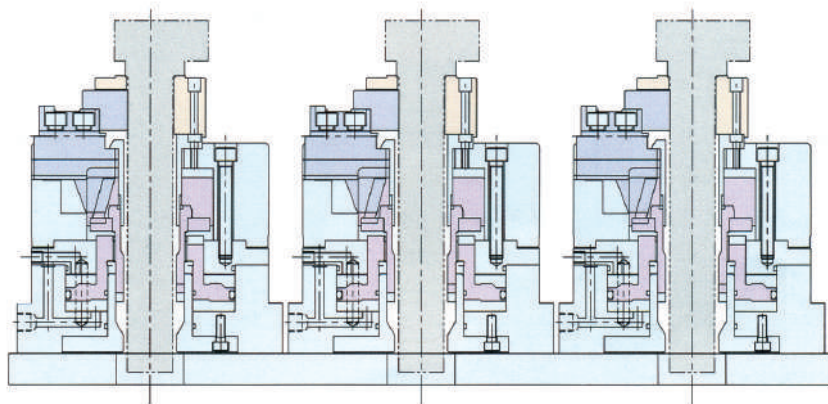
# SPINDLE & COLLET CHUCK

Work : Shaft



# STATIONARY CHUCK

Work : Brake cam shaft





## C5M·C55M·C56M

### 원심력 보상형 척

COMPENSATING CHUCK

遠心力補償型チャック / 补偿型卡盘



- 센터 홀 기준 · 자동중심보정 · 원심력 보상 · 강력한 파악
- Center Hole Base · Self-Centering
- Compensation of Centrifugal Force · Strong Gripping
- 带有定心顶尖 · 自定中心 · 补偿离心力 · 强大的夹紧力
- センターホール基準・自動求心 · 遠心力補償 · 強把握

## C10D·C12D·C24D·C27D

### 고정용 척

STATIONARY CHUCK

固定用のチャック / 固定卡盘



- 고정식 장착 · 다양한 특징
- Station-type Mounting · Diverse Features C10D
- 固定式装置 · 多様な特徴
- 固定型安装 · 多种特征：C10D三爪卡盘

## C18M

### 퀵 체인지 척

QUICK CHANGE CHUCK

クイックチェンジチャック / 快换卡盘



- 신속한 교체 · 반복성 우수
- Quick Change · Excellent Repeatability
- 迅速な交換 · 優れた繰返し
- 快换 · 重复定位精度高

## C22M·C24M

### 롱 스트로크 척

LONG STROKE CHUCK

ロングストロークチャック / 长行程卡盘



- 롱 스트로크 · 호환성 우수
- Long Stroke · Excellent Compatibility
- ロングストローク · 優れた互換性
- 长行程 · 兼容性强

## C23M

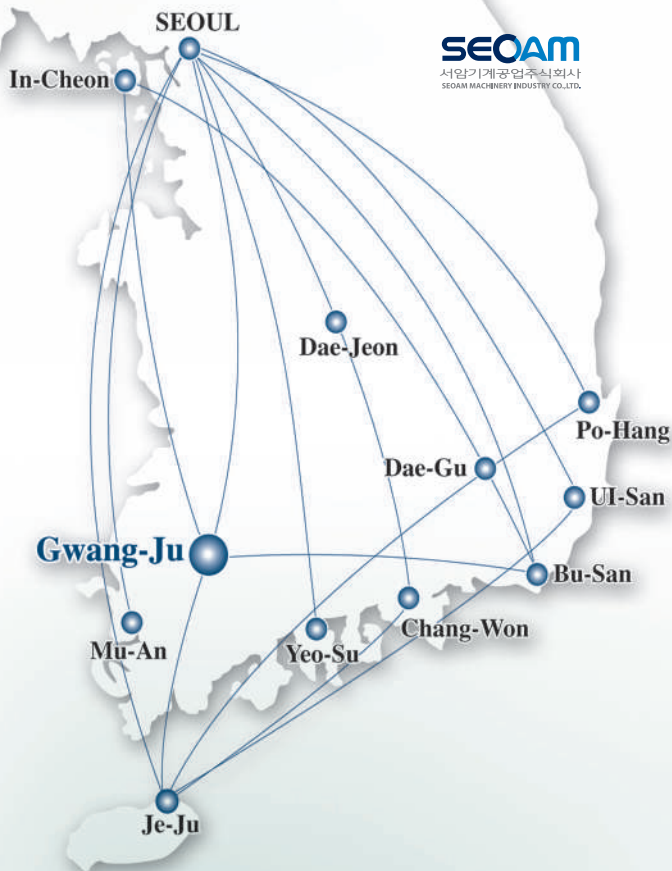
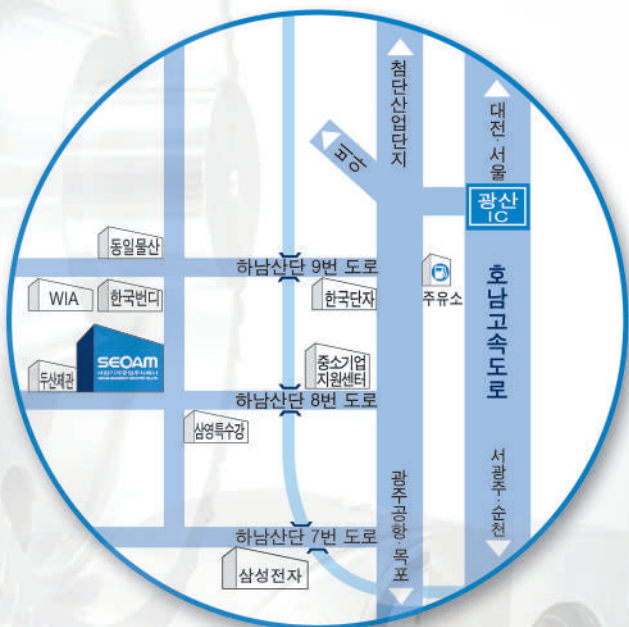
### 다기능 척

2 & 3 JAW CHUCK

多能チャック / 两和三爪卡盘



- 다양한 파악 · 다목적 용도
- Various Clamping · Multiple Utilites
- 多様な把握 · 多目的用途
- 多种夹紧 · 用途广泛



| Operation area  | Duration |
|-----------------|----------|
| Seoul - GwangJu | 50minute |
| Seoul - Mokpo   | 55minute |
| Seoul - Muan    | 55minute |



| Operation area          | Duration  |
|-------------------------|-----------|
| Gwangju Songjug - Seoul | 100minute |



| Operation area    | Duration  |
|-------------------|-----------|
| GwangJu - Seoul   | 210minute |
| GwangJu - Busan   | 210minute |
| GwangJu - Daejeon | 110minute |



SEOAM  
M A C H I N E R Y I N D U S T R Y



[www.seoam.kr](http://www.seoam.kr)