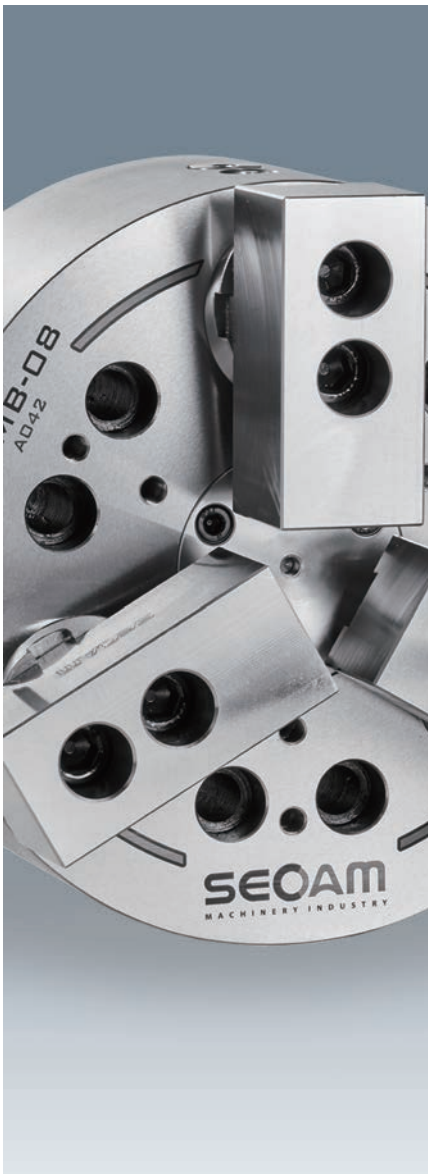
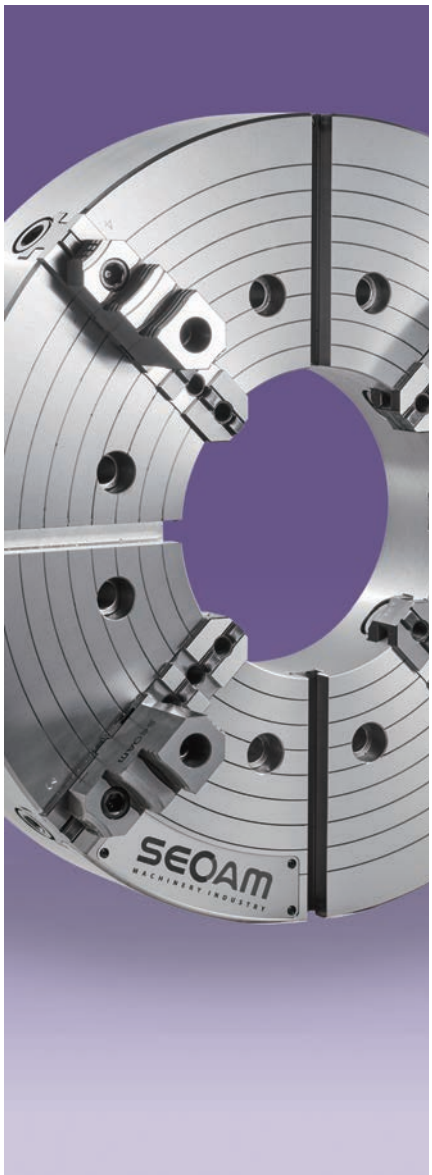
SEOAM MACHINERY INDUSTRY

# CHUCK
# CYLINDER




SEOAM
서암기계공업주식회사
SEOAM MACHINERY INDUSTRY CO.,LTD.

SEOAM

# HISTORY OF SEOAM

1978. 02.
Establishment of Hwacheon Gear Works Co.,Ltd.
货泉齿轮株式会社成立
貨泉ギヤ工業株式会社設立
화천기어공업주식회사 설립

1980. 04.
Merged with Hwacheon Chuck Co., Ltd.
与货泉卡盘株式会社合并
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机械签定技术合作合同
日本 HOWA工業株式会社と技術導入契約
일본HOWA공업(주)와 기술도입 계약

1992 02.
Exported Power Chuck to Howa machinery Ltd.
动力卡盘出口至日本HOWA机械
パワーチャックを日本 HOWA工業株式会社
Power Chuck 일본 HOWA 수출

1995. 01.
Moved to new factory in Hanam Industrial Complex.
搬迁至河南工业复合区的新工厂
ハナム工業団地に工場新築移転
하남공단으로 공장 신축 이전

1996. 12.
Achieved C.E Mark.
获得欧洲C.E认证
ヨ-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.
获得最具协作精神的杰出企业称号(劳动部长官)
労使協力優良企業選定(労働大臣)
노사협력 우량기업 선정(노동부장관)

1998. 09.
Achieved ISO 9001 certificate.
获得ISO 9001国际质量认证
ISO 9001 認証 取得
ISO 9001 인증 획득

1998. 11.
R&D center established.
R&D中心成立
企業付設研究所設立
기업부설 연구소 설립

1999. 01.
Exported Power Chuck to germany.
动力卡盘出口至德国
Power Chuck をドイツへ輸出
Power Chuck 독일수출

2000. 10.
Changed company name into “SEOAM”
公司更名为瑞岩机械工业株式会社
貨泉ギヤから 瑞巖機械工業株式会社 に社名を変更
화천기어에서 서암기계공업(주)로 상호명 변경

2001. 04.
Exported Power Chuck & Cylinder to USA.
动力卡盘和回转油缸出口至美国
Power chuck & Cylinderを米国へ輸出
Power chuck & Cylinder 미국수출

2001. 05.
Appointed as an excellent medium & small sized company by Prime Minister.
荣获总理亲自授予的杰出中小型企业奖
模範中小企業人賞受賞(国務総理大臣)
모범 중소기업인상 수상(국무총리)

2001. 11.
Awarded a prize by president in commemoration of TRADE day.
在商贸节上荣获总统颁发奖项
貿易の日大統領賞受賞
무역의날 대통령상 수상

2003. 05.
Exported Powerchuck & Cylinder to China.
动力卡盘和回转油缸出口至中国
Powerchuck & Cylinderを中国へ輸出
Powerchuck & Cylinder 중국수출

2004. 01.
Exported Powerchuck & Cylinder to South Africa.
动力卡盘和回转油缸出口至南非共和国
Powerchuck & Cylinderを南アフリカ共和国へ輸出
Powerchuck & Cylinder 남아프리카공화국 수출

2004. 11.
Awarded trophy for exports over US$3Millions and
awarded recognition from Korea president
荣获总统为出口总值超过300万美元的企业颁发的奖项
代表理事大統領賞受賞及び300万ドル輸出達成賞
대표이사 대통령상 수상 및 300만불 수출탑 수상

2004. 12.
Awarded Materials and Components Technology prize by Minister of Commerce, Industry and Energy.
荣获工商业部, 能源部部长颁发的材料及元件科技奖
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
荣获"贸易之日500万美元出口杯"奖, 产业资源部长官奖
貿易の日500万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)
开发离心力补偿型高速夹头和高速气缸(8,000rpm)
遠心力補償型高速チャック&高速シリンダー開発(8,000rpm)
원심력 보상형 고속척 & 고속실린더 개발(8,000rpm)

2006. 03.
Awarded a model taxpayer prize by Minister of Finance and Economy
荣获模范纳税奖项(财政经济部长官)
模範納税者賞受賞(財政経済大臣)
모범납세자상 수상(재정경제부장관)

2006. 12.
5patents registered for Compensating Chuck etc.(Korean Intellectual Property Office)
取得车床离心力补偿型动力卡盘等5项专利(专利厅)
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 外 5건 특허획득(특허청)

2007. 04.
Approval components & material company certificate by Minister of Commerce, Industry and Energy
被指定为部品材料专门企业(产业资源部长官)
部品素材専門企業指定(産業資源大臣)
부품소재 전문기업 지정(산자부장관)

2008. 11.
Achived Single PPM certificate for Power Chuck and Hydraulic Cylinder
取得单个PPM品质认证(油压卡盘 & 油压油缸)
シングルPPM品質認証取得(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

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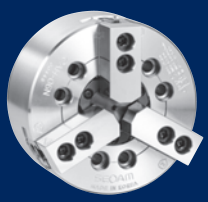


## AFFILIATE 関連会社 관 계 사

### 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.*

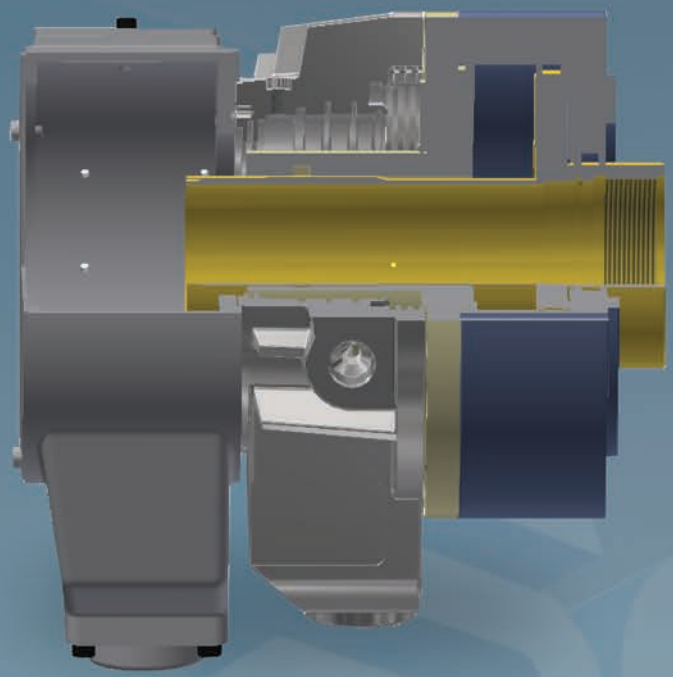
## ■ HYDRAULIC CYLINDER

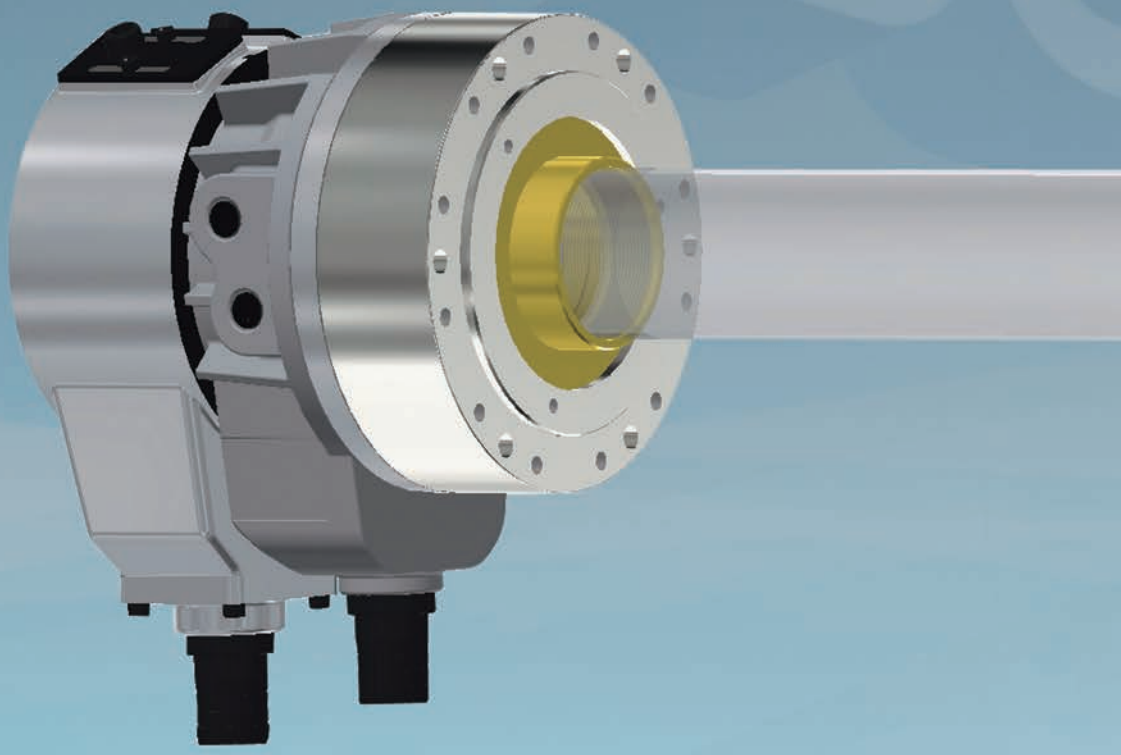
Compact powerful! Elaboration to go with that power.
The greatest work created
with the know-how of 40 year's history
*SEOAM CYLINDER SERIES!*
It will give you the best satisfaction

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年の歴史の精粋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.

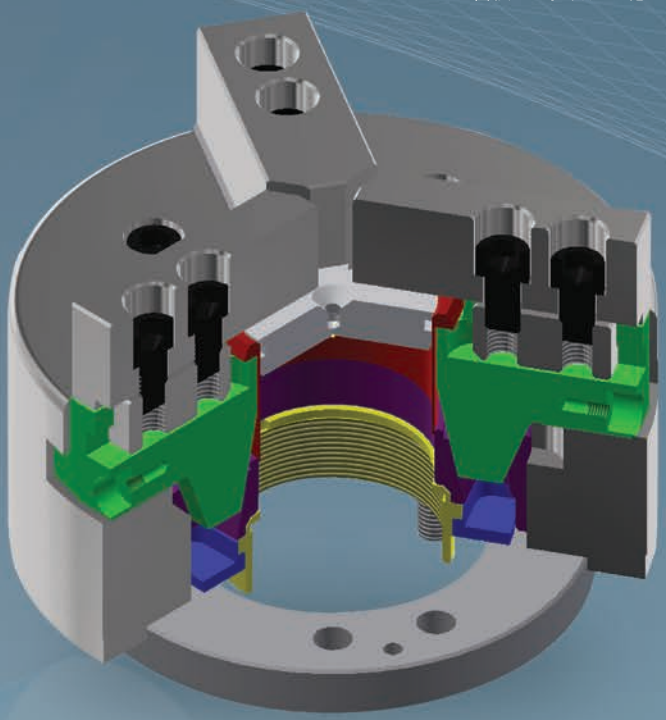




在与日本HOWA进行技术合作的基础上,制了动力卡盘和回转油缸. 瑞岩机械研制出了世界领先的SEOAM系列产品, 这标志着瑞岩机械在科技上的独立以及在科学技术上的显著提高, 并为瑞岩机械成为世界领先的企业尊定基础

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巌エースシリーズ 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.



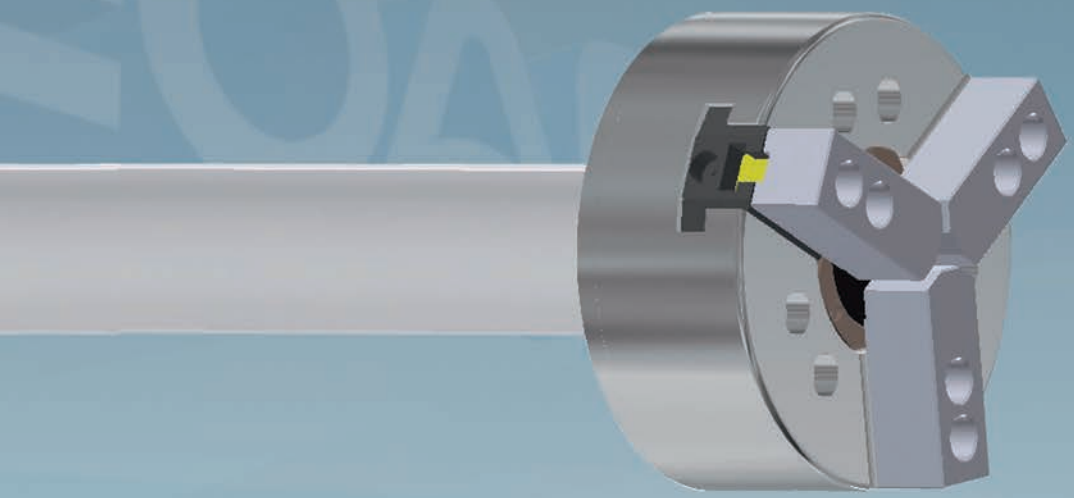
## ■ POWER CHUCK

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 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



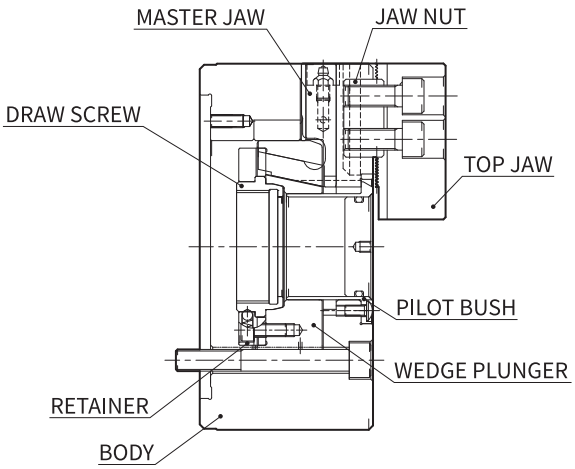
# POWER CHUCK : STRUCTURE & PART NAME

## OPEN CENTER POWER CHUCK : CAH / CGH

CAH·CGH □ – □ □

Chuck Size

Blank — 표준형 / Standard / 标准型 / 標準型
A — 아답타 타입 / Adapter type / 适配器种类 / アダプタータイプ
T — 2-죠 타입 / 2-jaw type / 2-jaw种类 / 2爪型

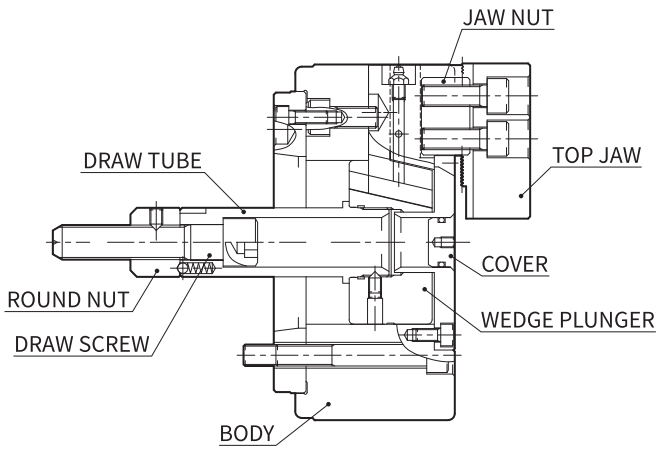



## CLOSED CENTER POWER CHUCK : CAS

CAS □ – □ □

Chuck Size

Blank — 표준형 / Standard / 标准型 / 標準型
A — 아답타 타입 / Adapter type / 适配器种类 / アダプタータイプ
T — 2-죠 타입 / 2-jaw type / 2-jaw种类 / 2爪型



# HYDRAULIC CYLINDER : STRUCTURE & PART NAME

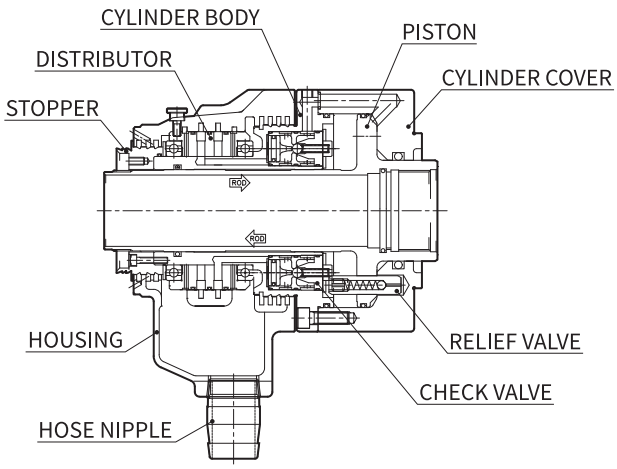
## OPEN CENTER HYDRAULIC CYLINDER : YAH / YGH / YSH / YSGH

Y □ H □ □ – □ □

Cylinder Size

Blank – Standard
CA – Coolant Collector

Cylinder Model A – Big Bore (표준형) / 标准型 / 標準型
G – Great Bore (대관통경) / 大口径中空型 / 大貫通径
S – Slim-Body Big Bore (슬림형) / 短小型 / スリム型
SG – Slim-Body Great Bore (슬림 대관통형) / 短小大口径中空型 / スリム大貫通径

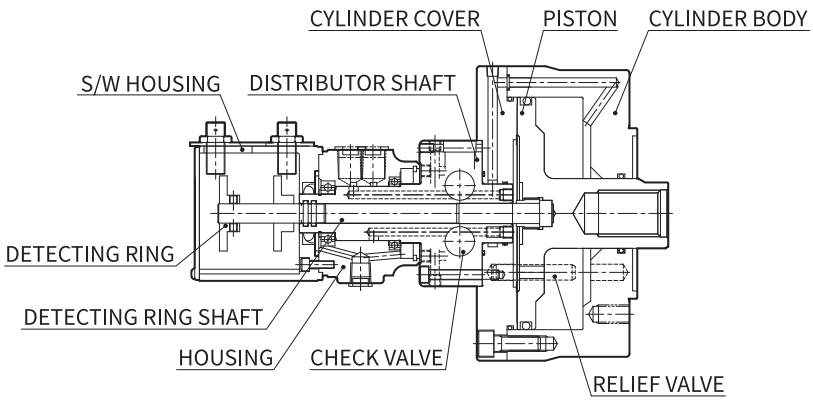



## CLOSED CENTER HYDRAULIC CYLINDER : YAS / YASC / YASP / YAST

YA □ □ □

Cylinder Size

Cylinder Model S – 표준형 / Standard / 标准型 / 標準型
SC – 체크밸브 내장형 / Check valve type / 带检验阀形 / チェックバルブ内蔵型
SP – 근접스위치 부착기능형 / Proximity switch type / 可附开关形 / 近接スイッチ取付け可能型
ST – 체크밸브 내장+근접스위치 부착기능형 / 带检验阀形 + 可附开关形 /
check valve type + proximity switch type /
チェックバルブ内蔵型 + 近接スイッチ取付け可能型

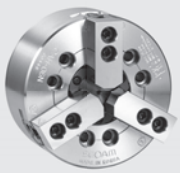


# SEOAM
# POWER CHUCK

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.

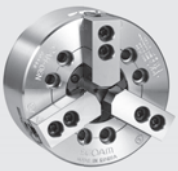
We will make a great effort to get customers satisfaction with self-confidence of the best.
Having accumulated technologies by developing own power chuck series for the first time in Korea and continuous improvement efforts, the SEOAM promises to provide world top class quality products and reliable 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-죠, 4-죠 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-죠 고속중공형
파워척
2-JAW BIG BORE
POWER CHUCK
14P

**CAS**
고속중실형 파워척
CLOSED CENTER
POWER CHUCK
24P

**CAST**
2-죠 고속중실형 파워척
2-JAW CLOSED CENTER
POWER CHUCK
34P

**CAHF**
4-죠 고속중공형
파워척
4-JAW BIG BORE
POWER CHUCK
16P

**CASA**
고속중실형 파워척
(아답터 부착형)
CLOSED CENTER POWER CHUCK
(WITH ADAPTER)
26P

**CASF-HC**
4-죠 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-죠 드로우 다운 척
3-JAW DRAW DOWN CHUCK
36P

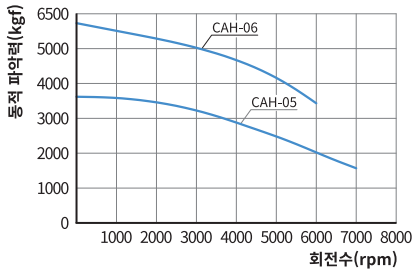
**C63MB·C64M**
강력요동형 척
SWING LOCK CHUCK
38P

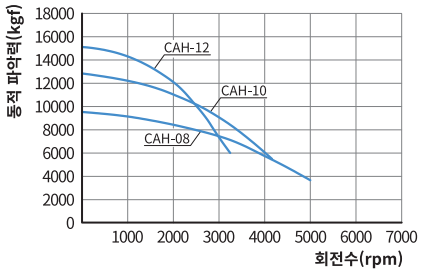
# CAH

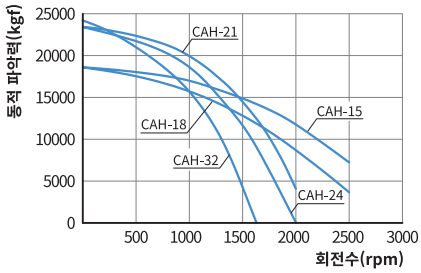
**고속중공형 파워척**
BIG BORE POWER CHUCK
高速中空型パワーチャック / 大通孔动力卡盘

- **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



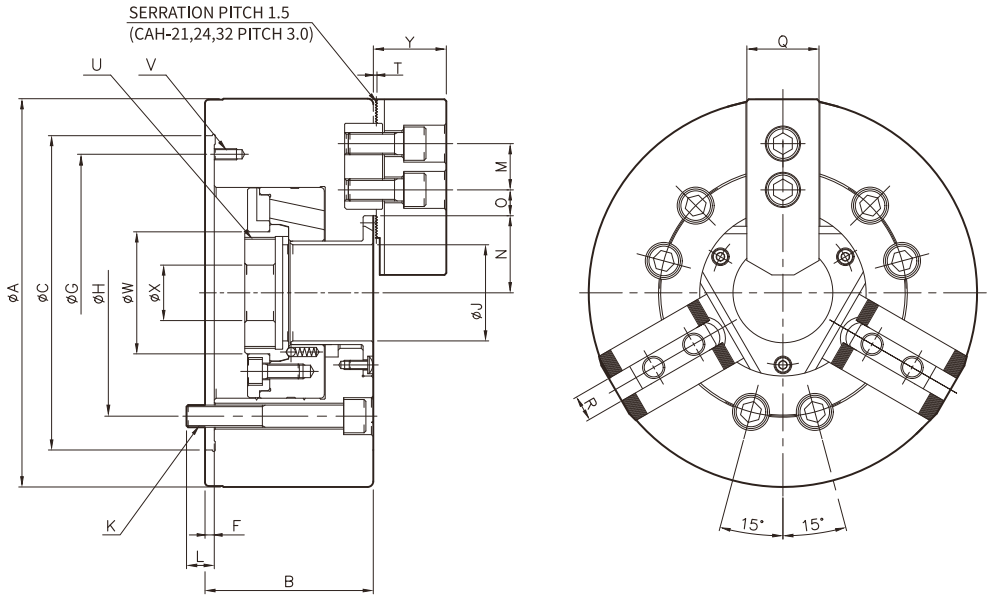

※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Thru-hole (Diameter) 관통경(직경) mm | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량(표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소트프죠 |
|---|---|---|---|---|---|---|---|
| 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 | - | - |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 / 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

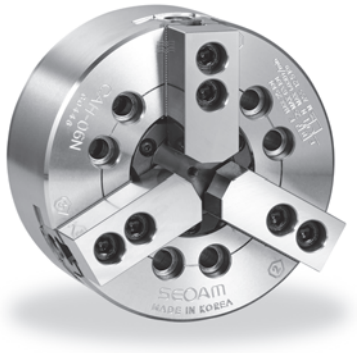
**CAH □ - □□** (Chuck Size)
Blank | Standard
A | adapter type
T | 2-jaw type

**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

# CAHA

**고속중공형 파워척(아답터 부착형)**
BIG BORE POWER CHUCK(WITH ADAPTER)
高速中空型パワーチャック(アダプター付) / 大通孔动力卡盘(短锥型)




- 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 • スピンドル直装型 • 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

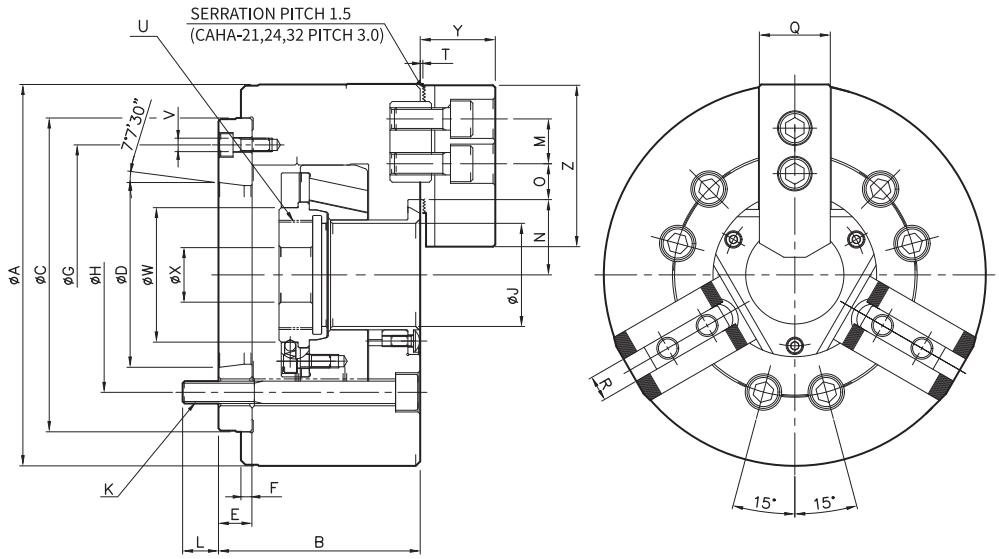
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Thru-hole (Diameter) 관통경(직경) mm | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소프죠 |
|---|---|---|---|---|---|---|---|
| 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 | - | - |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

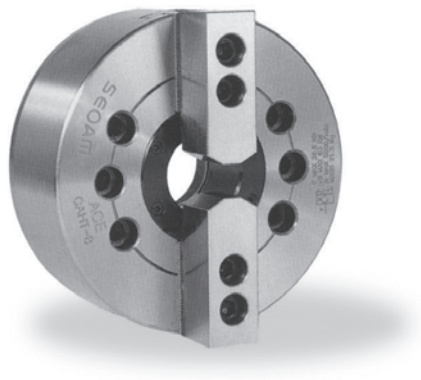
| Item항목 / Model형식 | A | B | C | D | E | F | G | H | J | K | L | M | N max | N min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAHA-06 | 169 | 90 | 140 | 82.563 | 15 | 5 | 116 | 104.8 | 46 | 6-M10 | 16 | 20 | 33.5 | 30.7 |
| CAHA-08 | 210 | 103 | 170 | 106.375 | 17 | 5 | 150 | 133.4 | 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 / Model형식 | O max | O min | P max | P min | 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.

# CAHT

**2-조 고속중공형 파워척**
2-JAW BIG BORE POWER CHUCK
2つ爪高速中空型パワーチャック / 大通孔两爪动力卡盘2爪



- **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

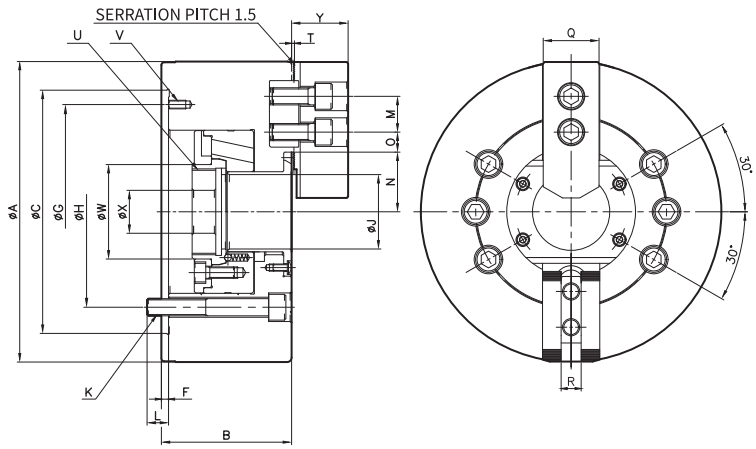
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

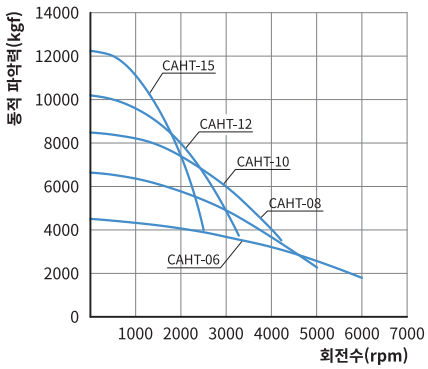
| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Thru-hole (Diameter) 관통경(직경) mm | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 KN(kgf) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량(표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching soft jaw 적용소트프죠 |
|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外形図/외형도




## 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 / Model형식 | 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 |

| Item항목 / Model형식 | 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.

# CAHF

**4-죠 고속중공형 파워척**
4-JAW BIG BORE POWER CHUCK
4つ爪高速中空型パワーチャック / 大通孔两爪动力卡盘4爪

- **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

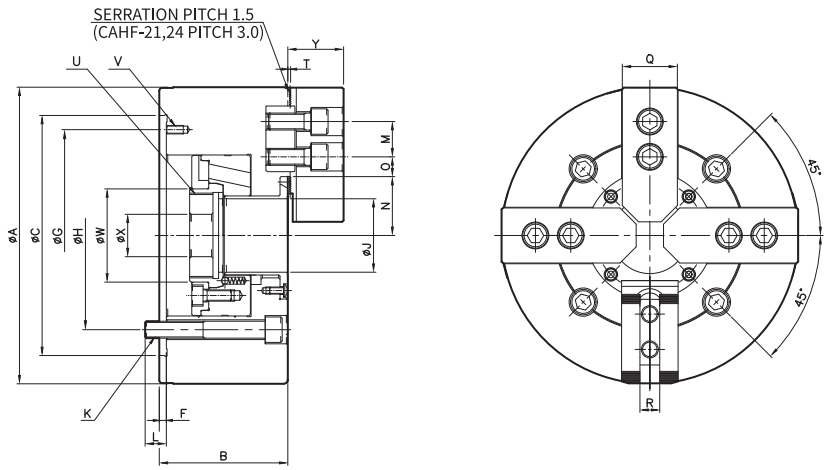
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

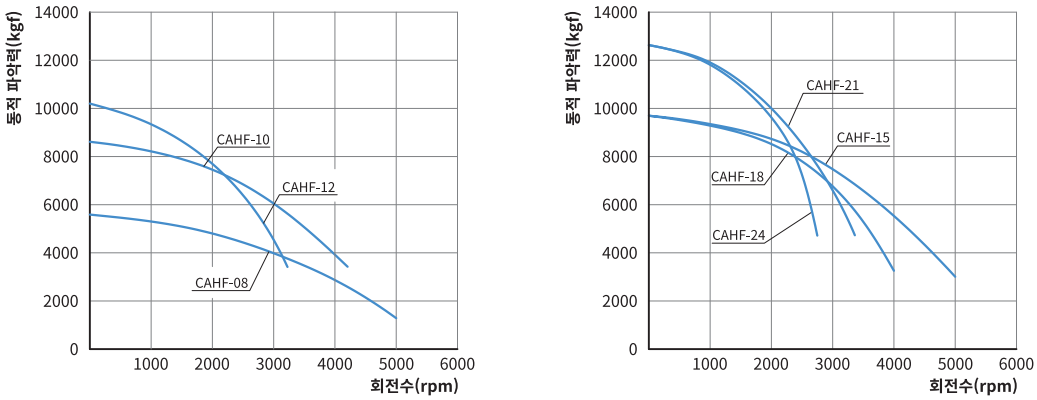
| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Thru-hole (Diameter) 관통경(직경) mm | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 KN(kgf) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소프프죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外形図/외형도




## 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 / 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 / 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.

# CGH

**대관통경 중공형 파워척**
GREAT BORE POWER CHUCK
大貫通径中空型パワーチャック / 超大通孔动力卡盘

- 관통경 확대 • 경량화 실현 • 고성능 · 고정도 • 고속화 실현
- Enlargement of Through Hole • Light Weight • Hight 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

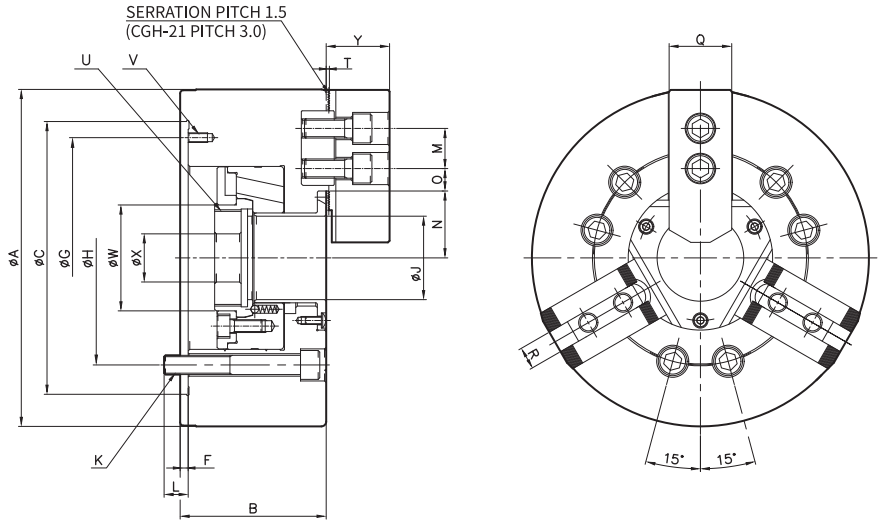
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

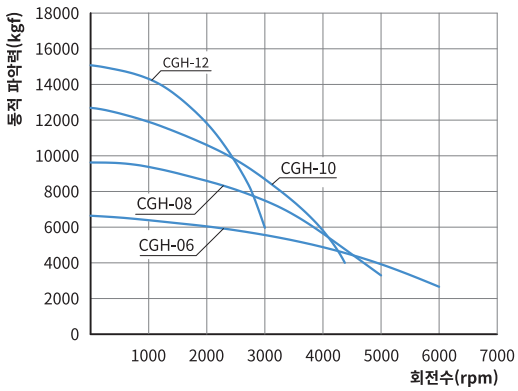
| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Thru-hole (Diameter) 관통경(직경) mm | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 KN(kgf) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 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) |

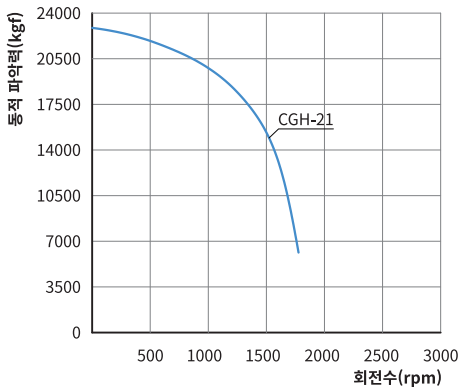
| Spec.사양 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소프죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## 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




## Dimension/尺寸/寸法表/치수표

| Item항목 / Model형식 | A | B | C | F | H | J | K | L | M | N max | N min | O max | O min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 / Model형식 | P max | P min | Q | R | S | T | U max | V | W | X | Y | Z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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.

# CGHA

**대관통경 중공형 파워척(아답터 부착형)**
GREAT BORE POWER CHUCK(WITH ADAPTER)
大貫通径中空型パワーチャック(アダプター付) / 超大通孔动力卡盘(短锥型)

- 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 • スピンドル直装型 • 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

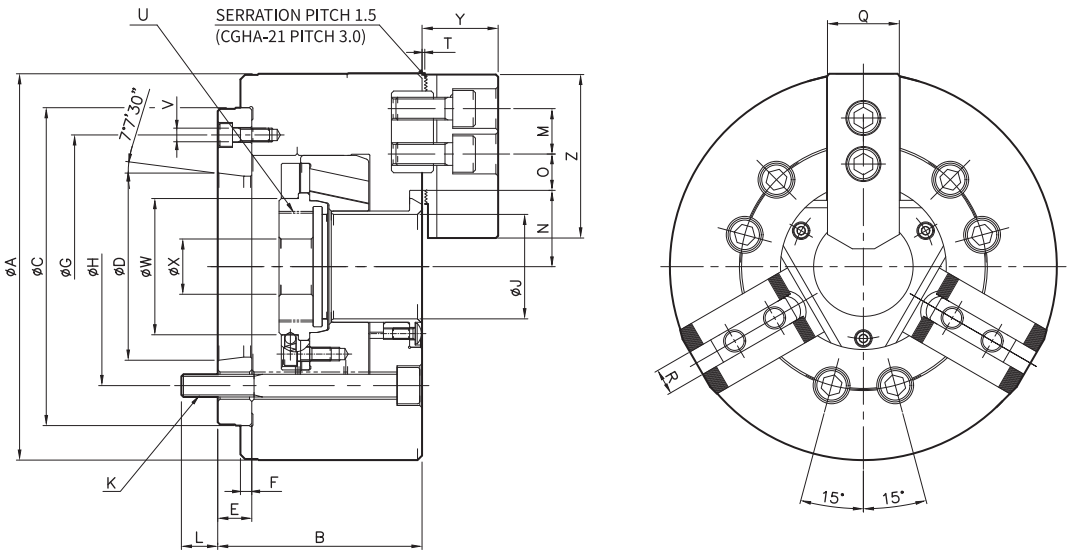
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Thru-hole (Diameter) 관통경(직경) mm | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런저 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m($min^{-1}$) | Weight (With standard soft jaws) 중량(표준소프트 죠포함) kg | $GD^2$ Moment of inertia $N·m^2$($kgf.m^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소트프죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 / 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-죠, 4-죠 대관통경 중공형 파워척**
2-JAW, 4-JAW GREAT BORE POWER CHUCK
2つ爪, 4つ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**

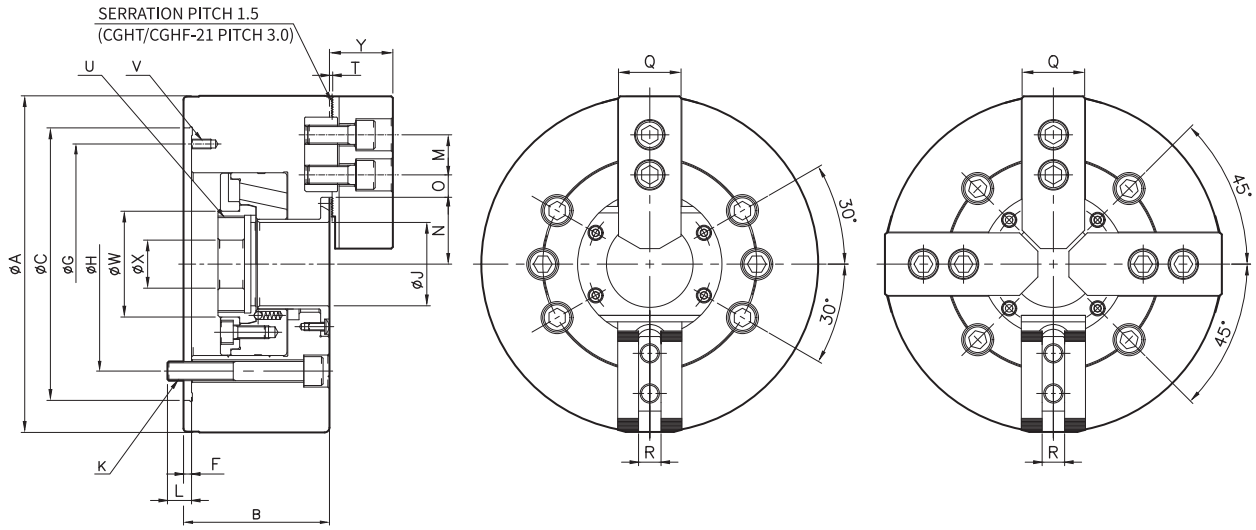
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

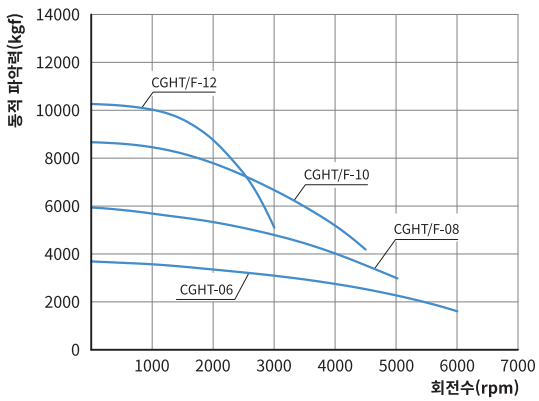
| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Thru-hole (Diameter) 관통경(직경) mm | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 KN(kgf) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 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) |

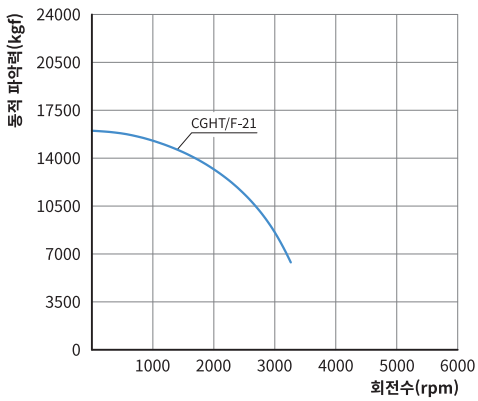
| Spec.사양 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량(표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소프죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外形図/외형도




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




## Dimension/尺寸/寸法表/치수표

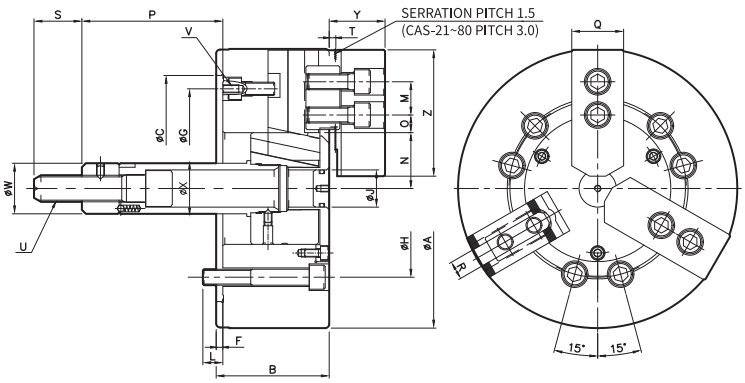
| Item항목 / Model형식 | A | B | C | F | H | J | K | L | M | N max | N min | O max | O min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CGHT-06 | 175 | 81 | 140 | 5 | 104.8 | 52 | 6-M10 | 16 | 20 | 36.9 | 34.1 | 21 | 8 |
| CGHT/CGHF-08 | 210 | 91 | 170 | 5 | 133.4 | 66 | 6/4-M12 | 17 | 25 | 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 / 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.

# CAS

## 고속중실형 파워척
CLOSED CENTER POWER CHUCK
高速中実型パワーチャック / 中实动力卡盘




- 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

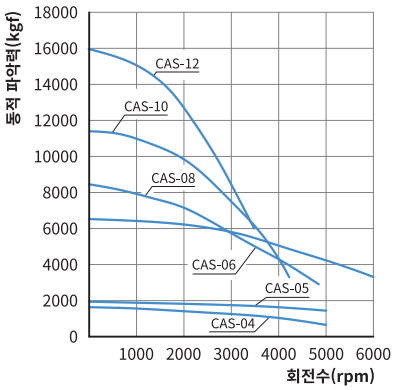
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

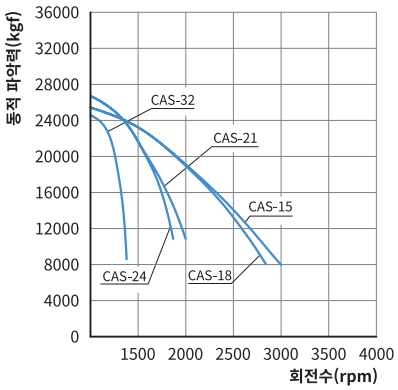
## Specifications/规格/仕様表/사양표

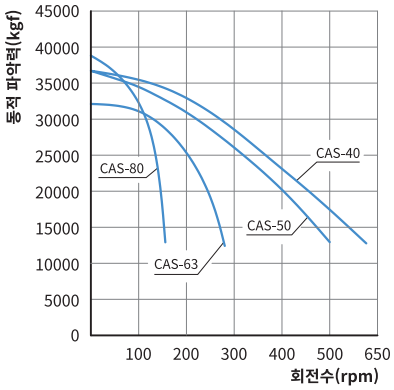
| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Jaw stroke (Diameter) 죠 스트로크(직경)mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 KN(kgf) |
|---|---|---|---|---|---|---|---|
| | | | | | Max 최대 | Min 최소 | |
| CAS-04 | 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m($min^{-1}$) | Weight (With standard soft jaws) / 중량 (표준 소프트 죠포함) kg | $GD^2$ Moment of inertia N·$m^2$ (kgf.$m^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소트프죠 |
|---|---|---|---|---|---|---|---|
| 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 / 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 / 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 lager size than CAS-32 : Key Mount Type.

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

# CASA

**고속중실형 파워척(아답터 부착형)**
CLOSED CENTER POWER CHUCK(WITH ADAPTER)
高速中実型パワーチャック(アダプター付) / 中实动力卡盘(短锥型)

- 아답터 부착형 • 교체시간 단축 • 고성능 · 고품질 • 옵션 부착 용이
- Spindle Direct-Mounting Type • Minimize changing time • High Performance and High Quality • Convenient Attachment Option
- スピンドル直装型 • 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

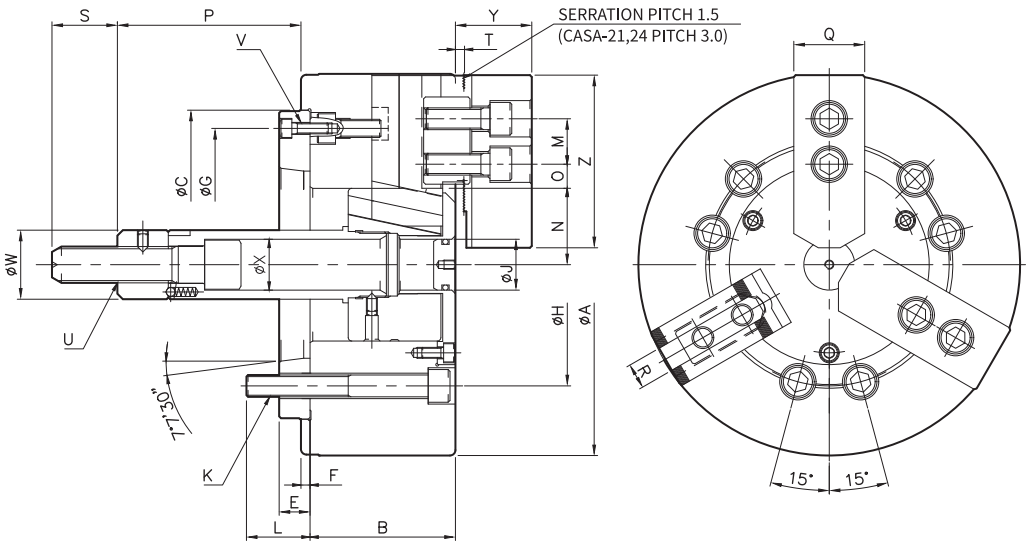
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m($min^{-1}$) | Weight (With standard soft jaws) 중량(표준소프트 죠포함) kg | $GD^2$ Moment of inertia $N \cdot m^2$ ($kgf.m^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소트프죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外形図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 / 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 |

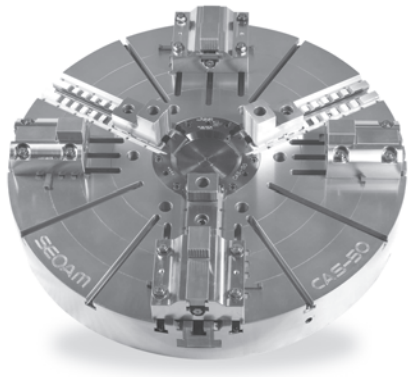
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# 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) / 中实动力卡盘(短锥型)




- **미세조절형 • 고속화 실현 • 내구성 확보 • 호환성 확보**
- **Fine control type • High Speed • Durability • Compatibility**
- **微細調節型 • 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**

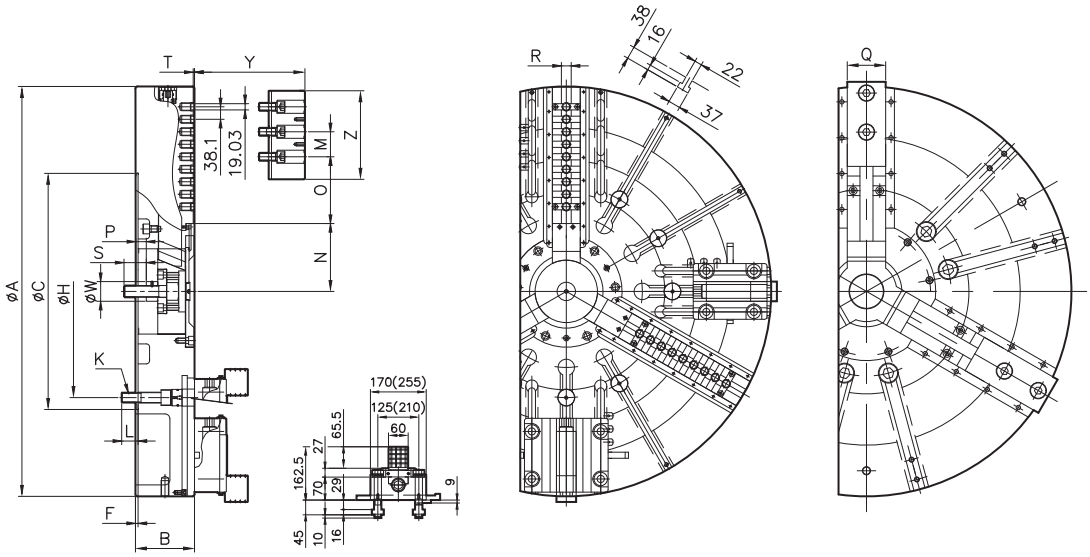
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

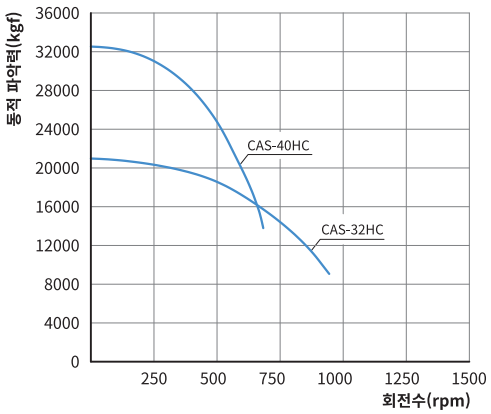
| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 KN(kgf) |
|---|---|---|---|---|---|---|---|
| | | | | | Max 최대 | Min 최소 | |
| CAS-32HC | 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) |

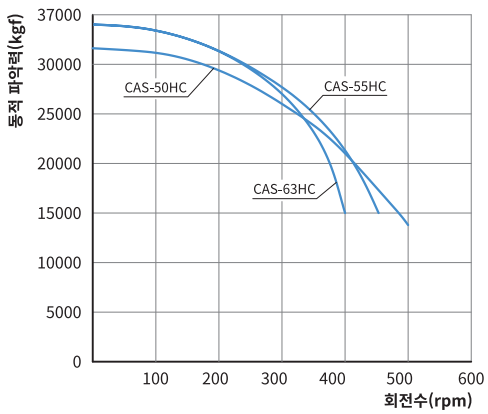
| Spec.사양 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m($min^{-1}$) | Weight (With standard soft jaws) 중량(표준소프트 죠포함) kg | $GD^2$ Moment of inertia N·㎡(kgf.㎡) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소프죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## 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




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 / 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.

# CASD

**고속중실형 파워척(Direct Mount type)**
CLOSED CENTER POWER CHUCK(Direct Mount type)
高速中実型パワーチャック / 中实动力卡盘

- 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

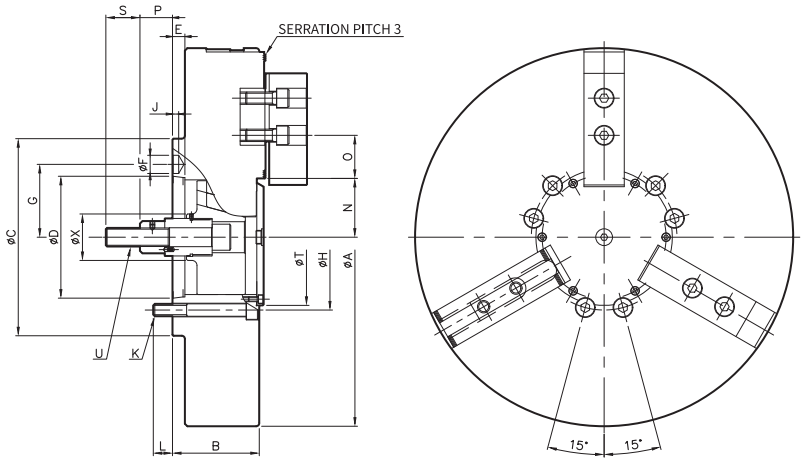
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Jaw stroke(Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force/허용 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) |

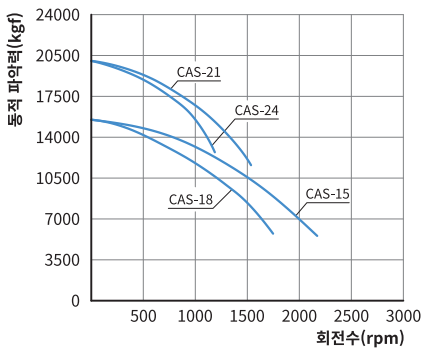
| Spec.사양 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소프트죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外形図/외형도




〈CAS-15, 18, 21, 24〉

## 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 / Model형식 | 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 |

| Item항목 / Model형식 | 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.

# CASVA

**고속중실형 파워척(방진 방수형)**
CLOSED CENTER POWER CHUCK(Dust proof and Water proof)
高速中実型パワーチャック(防塵と防錆) / 中实动力卡盘(防尘和防水)

- 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

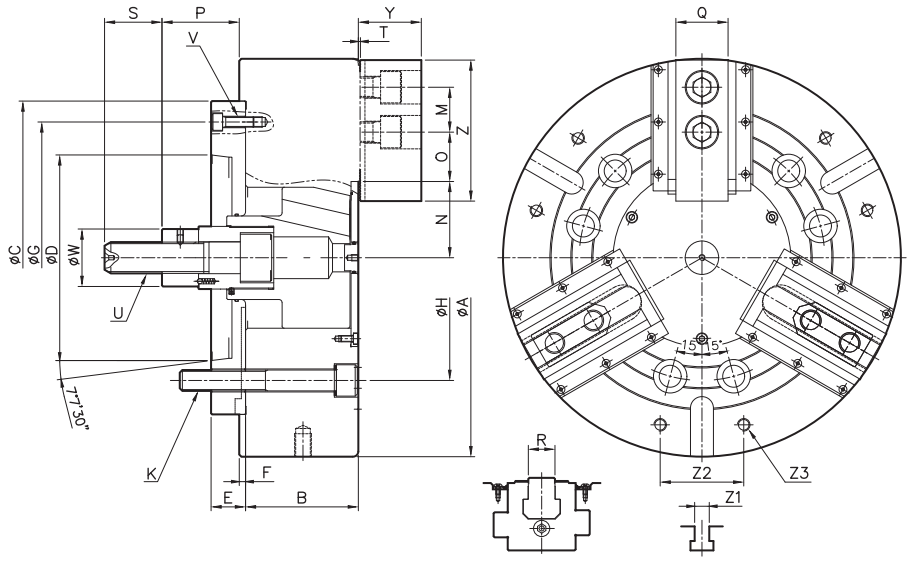
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Jaw stroke (Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소프트죠 |
|---|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 / 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 |

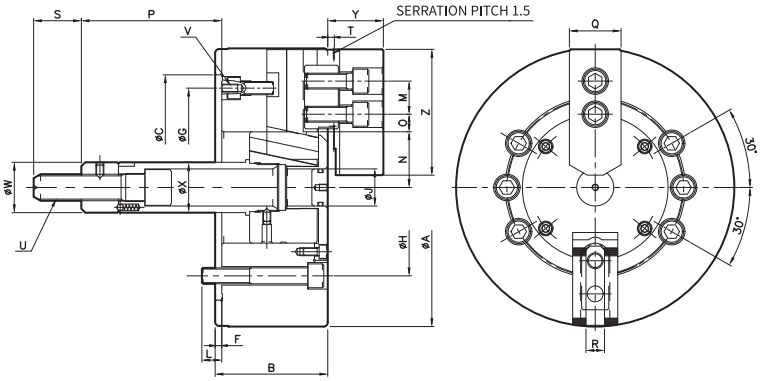
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# CAST

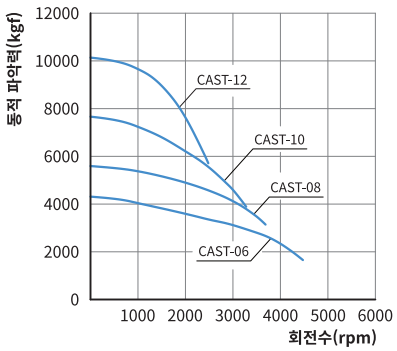
**2-죠 고속중실형 파워척**
2-JAW CLOSED CENTER POWER CHUCK
2つ爪高速中実型パワーチャック / 中实两爪动力卡盘2爪

- 이형공작물 파악 • 고성능 · 고정도 • 호환성 확보
- Clamping of Irregular Work • High Performance and High Accuracy • Compatibility
- 異刑工作物把握 • 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 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Jaw stroke (Diameter) 죠 스트로크(직경)mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force/허용 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 조포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching soft jaw 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 / 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

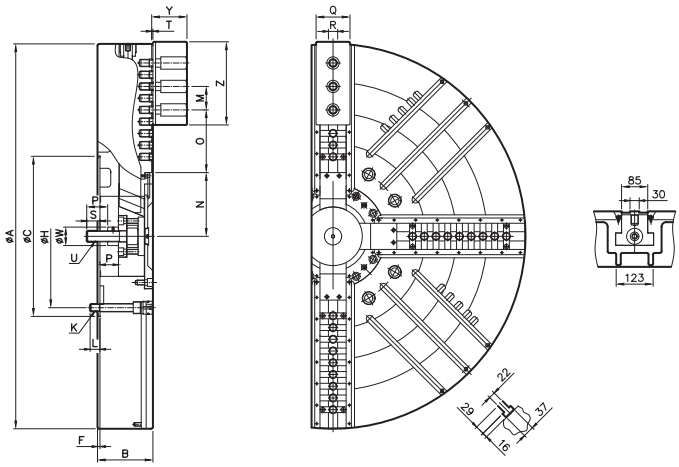
**4-죠 고속중실형 파워척**

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

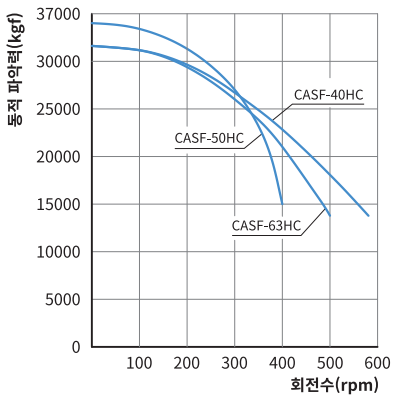
4つ爪高速中実型パワーチャック / 中实两爪动力卡盘4爪

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

## Outward Drawing/外型图/外刑図/외형도




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




## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Spindle nose NO. 주축규격 | Jaw stroke (Diameter) 죠 스트로크(직경)mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force/허용 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 적용실린더 | Matching hard jaw 적용하드죠 | Matching soft jaw 적용소트프죠 |
|---|---|---|---|---|---|---|---|
| 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

| Item항목 / Model형식 | 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-죠 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**
• **C11MB**척은 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.

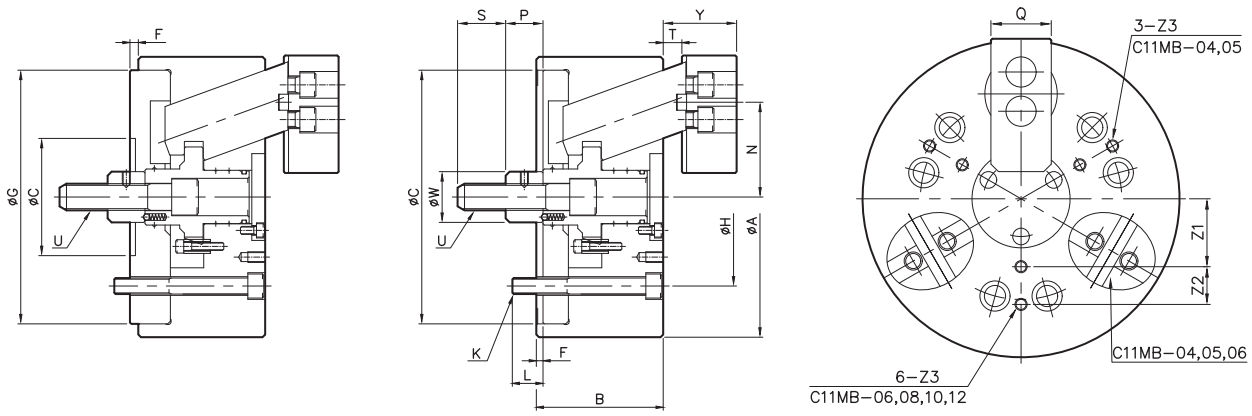
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Jaw stroke(Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force 허용 실린더력 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) |

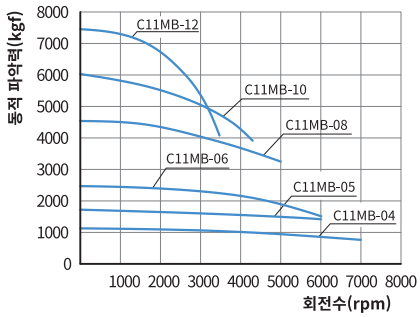
| Spec.사양 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m($min^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | $GD^2$ Moment of inertia N·m²(kgf.m²) | Matching cylinder 적용실린더 | Matching soft jaw 적용소트프죠 |
|---|---|---|---|---|---|---|
| C11MB-04 | 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/外刑図/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 / 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 / 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 |

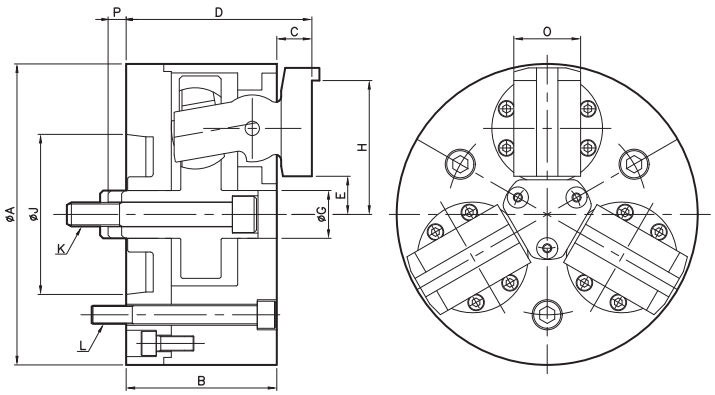
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# C63M·C64M

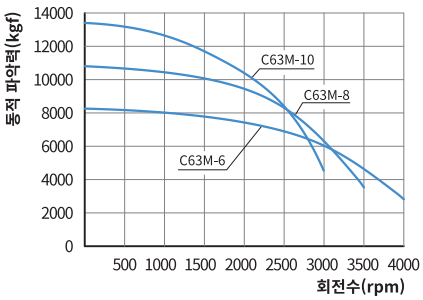
**강력요동형 척**
SWING LOCK CHUCK
強力揺動チャック / 摆动锁紧卡盘

- **강력한 파악력 • 테이퍼부 파악 • 요동형의 죠**
  **• 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/外形図/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 / Model형식 | Order NO. 오더번호 | Jaw stroke(Diameter) 죠 스트로크(직경) mm | Plunger stroke 플런져 스트로크 mm | Gripping Dia(External gripping) 파악경(외경파악)mm | | Max. permissible input force/허용 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 / Model형식 | Max. static gripping force 최대 정적파악력 KN(kgf) | Max.permissible speed 최고 사용회전수 r.p.m(min$^{-1}$) | Weight (With standard soft jaws) 중량 (표준소프트 죠포함) kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching cylinder 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 / 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
MACHINERY INDUSTRY

# 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.

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## YAH
고속중공형
회전유압실린더
BIG BORE
HYDRAULIC CYLINDER
42P

## YAS
고속중실형
회전유압실린더
CLOSED CENTER
HYDRAULIC CYLINDER
52P

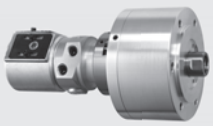
## YLD
고속중공형
회전유압실린더
LOW DRAIN
HYDRAULIC CYLINDER
44P

## 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

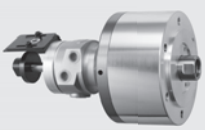


## YAST
(Check Valve+Proximity Switch Type)
고속중실형
회전유압실린더
CLOSED CENTER
HYDRAULIC CYLINDER
56P

## YSHL
(Long Stroke)
초고속 중공슬림형
대관통경 유압실린더
SUPER HIGH SPEED
GREATBORE
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

# YAH

**고속중공형 회전유압실린더**
BIG BORE HYDRAULIC CYLINDER
高速中空型回転油圧シリンダー / 大通孔回转油缸

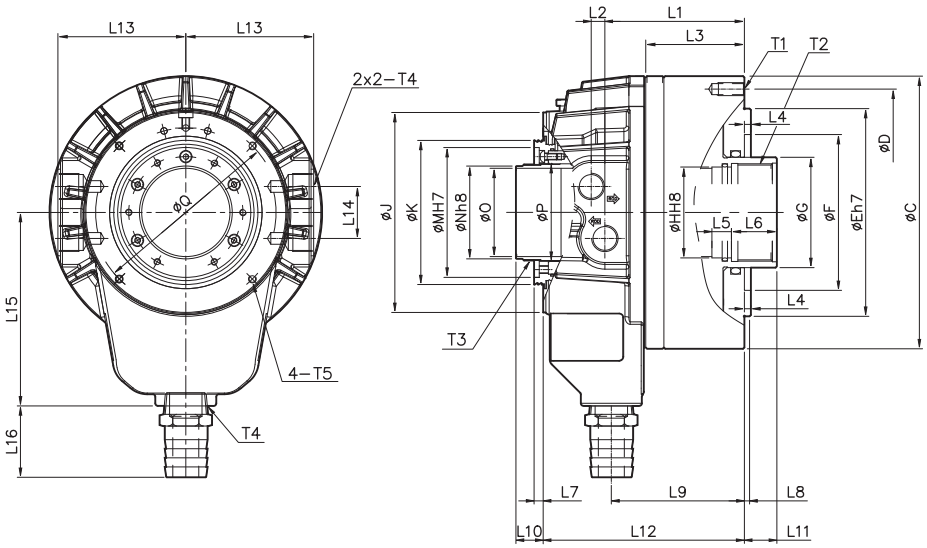
- 안전 확보 • 보수점검이 용이
  • 누유방지 설계(특허등록 : 0172805) • 동급 최대 추력
- Safety Guaranteed • Easy Repair & Check
  • Leakage Prevention Design(Patent Registation:0172805)
  • Highest Draw Pull
- 安全確保 • 補修点検が容易
  • 漏油防止設計(特許登録) • 同クラス最大推力
- 保障安全 • 便于检测和维修
  • 防泄漏设计(专利注册:0172805) • 动力强大

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Thru hole Dia 실린더관통경 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Push압측 | Pull 인측 | Push압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 Mpa(kgf/㎠) | Max.permissible speed 최고사용회전수 r.p.m($min^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | $GD^2$ Moment of inertia N·㎡(kgf.㎡) | Matching chuck 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 |

## Outward Drawing/外型图/外形図/외형도




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

## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 |

| Item항목 / 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 |

| Item항목 / 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 Model: A | Big Bore(표준형), G | Great Bore(대관통경)
- Cylinder Size
- Blank | Standard, CA | Coolant Collector

**YAS □ - □□□**

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

# YLD

## LOW DRAIN 중공형 회전유압실린더
LOW DRAIN SUPER HIGH SPEED BIG BORE HYDRAULIC CYLINDER
大貫通径中空スリム型シンダー / 超大通孔油缸

- 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
- 互換性実現 • 小型化, 軽量化 • 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

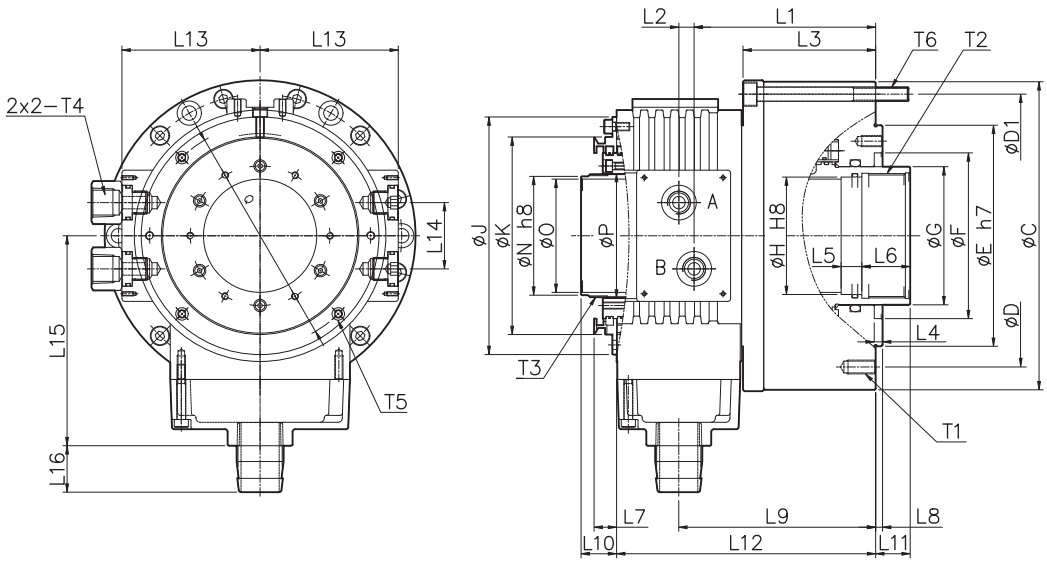
※ 허용 최고 회전속도는 실측치에 준함.
※ Maximum turning speed is based on actual measurment.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Thru hole Dia 실린더관통경 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m(min$^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching chuck 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / Model형식 | 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 |

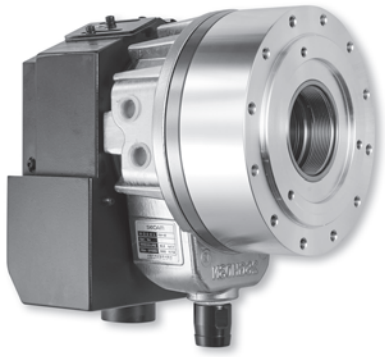
| Item항목 / Model형식 | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 max | L10 min | L11 max | L11 min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YLD-06 | 116.2 | 8.4 | 86 | 8 | 15 | 30 | 16.5 | 5 | 120 | 49 | 24 | 15 | -10 |
| YLDG-06 | 104 | 10 | 75.5 | 8 | 15 | 30 | 16 | 5 | 109.5 | 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 / Model형식 | L12 | L13 | L14 | L15 | L16 | T1 | T2 | T3 | T4 | T5 | T6 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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

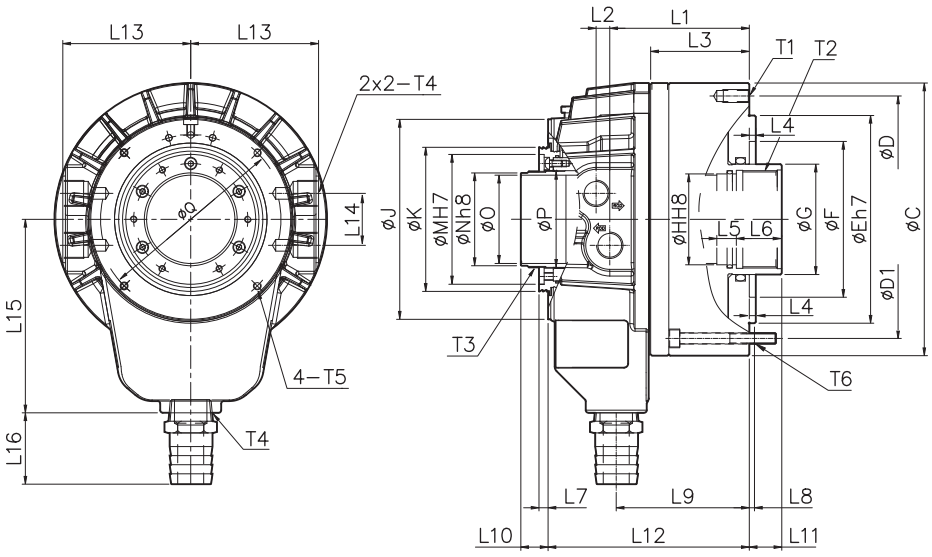
※ 허용 최고 회전속도는 실측치에 준함.
※ Maximum turning speed is based on actual measurment.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Thru hole Dia 실린더관통경 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Push압측 | Pull 인측 | Push압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 Mpa(kgf/㎠) | Max.permissible speed 최고사용회전수 r.p.m($min^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | $GD^2$ Moment of inertia N·㎡(kgf.㎡) | Matching chuck 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 |

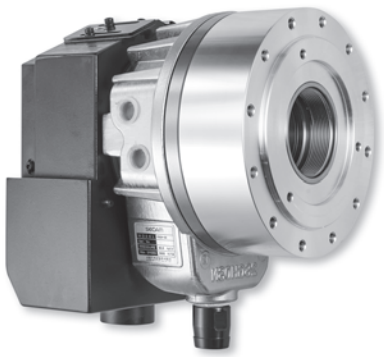
| Item항목 / Model형식 | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 max | L10 min | L11 max | L11 min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YSH-06 | 81.7 | 7.4 | 56.9 | 10 | 15 | 30 | 7 | 8 | 86.4 | 40 | 31 | 9 | 0 |
| YSH-08 | 100.1 | 8.9 | 74 | 6 | 15 | 30 | 7 | 5 | 105.2 | 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 / 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.

# YSGH

**초고속 중공슬림형 대관통경 유압실린더**
SUPER HIGH SPEED GREAT BORE HYDRAULIC CYLINDER
大貫通径中空スリム型シンダー / 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

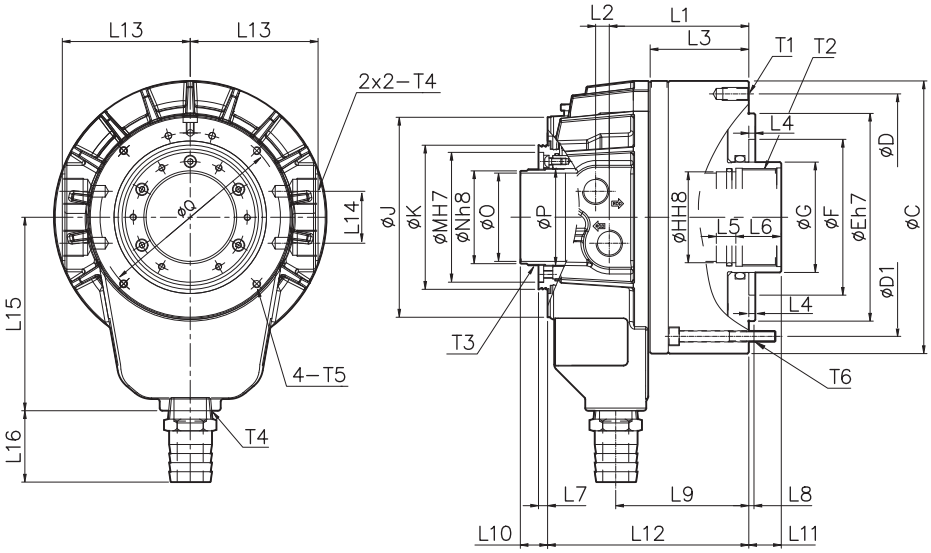
※ 허용 최고 회전속도는 실측치에 준함.
※ Maximum turning speed is based on actual measurment.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Thru hole Dia 실린더관통경 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m($min^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | $GD^2$ Moment of inertia N·㎡(kgf.㎡) | Matching chuck 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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 |

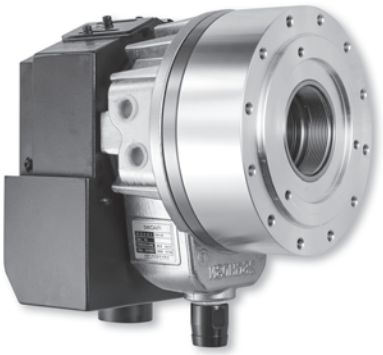
| Item항목 / Model형식 | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | L10 max | L10 min | L11 max | L11 min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YSGH-06 | 99 | 9 | 75.5 | 11 | 10 | 20 | 121 | 8 | 102 | 83 | 58 | 22 | -3 |
| YSGH-08 | 105.2 | 12.7 | 76 | 5 | 15 | 35 | 7 | 5 | 102.5 | 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 |

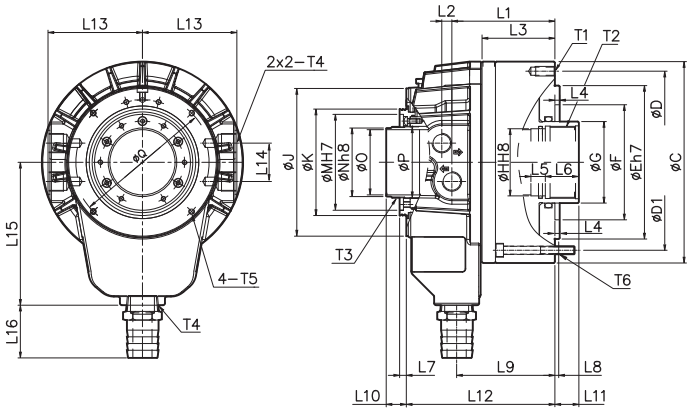
| Item항목 / Model형식 | L12 | L13 | L14 | L15 | L16 | T1 | T2 | T3 | T4 | T5 | T6 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| YSGH-06 | 138.5 | 86 | 40 | 130 | 55 | 12-M10X18 | M60XP1.5 | M60XP1.5 | PT-3/8 | 4-M6X6 | 6-M8X80 |
| YSGH-08 | 155 | 88 | 40 | 149 | 55 | 6-M10X18 | M75XP2.0 | M74XP1.5 | 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

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

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Thru hole Dia 실린더관통경 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m(min$^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | GD$^2$ Moment of inertia N·m$^2$(kgf.m$^2$) | Matching chuck 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 / 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 / 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 / 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 | - |

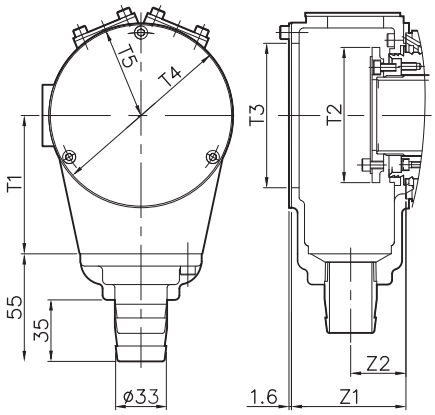
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# CA

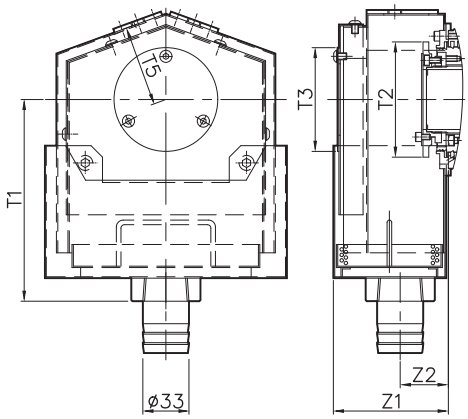
**쿨란트 콜렉터**
COOLANT COLLECTOR
クーラントコレクター / 冷却液收集器

- **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

| Item항목 / Model형식 | T1 | T2 | T3 | T4 | T5 | Z1 | Z2 | Matching Cylinder/적용실린더 |
|---|---|---|---|---|---|---|---|---|
| CA-06 | 90 | ø88 | ø94 | ø121 | 61 | 74.5 | 36.5 | YSH/YAH-06 |
| CA-08 | 100 | ø100 | ø106 | ø132 | 67 | 79.5 | 36.5 | YSH/YAH-08 |
| CA-10 | 126 | ø125 | ø132 | ø158 | 80 | 84.5 | 37 | YSH/YAH-10 |
| CA-12 | 142 | ø143 | ø154 | ø180 | 95 | 88 | 37 | YSH/YAH-12 |
| CSG-08 | 142 | ø143 | ø154 | ø177 | 92.5 | 88 | 37 | YSGH-08 |
| CG-10 | 142 | ø133 | ø154 | ø177 | 92.5 | 88 | 37 | YGH-10 |
| CS-15 | 190 | ø185 | ø186 | ø210 | 117.5 | 102 | 35 | YSH-15 |

| Item항목 / Model형식 | T1 | T2 | T3 | T4 | T5 | Z1 | Z2 | Matching Cylinder/적용실린더 |
|---|---|---|---|---|---|---|---|---|
| CC-06 | 155 | ø88 | ø90 | - | 65 | 92.3 | 34.3 | YAH-06 |
| CC-08 | 155 | ø100 | ø90 | - | 70 | 99.8 | 41.8 | YAH-08 |
| CC-10 | 200 | ø125 | ø150 | - | 100 | 146.8 | 61.8 | YAH-10 |
| CC-12 | 200 | ø143 | ø150 | - | 100 | 146.8 | 61.8 | YAH-12 |
| CC-08 | 155 | ø143 | ø125 | - | 97.7 | 97.3 | 39.3 | YSGH-08 |
| CC-12 | 200 | ø165 | ø125 | - | 102 | 152.3 | 67.3 | YGH-10 |
| CC-15 | 190 | ø185 | ø150 | - | 117 | 142.8 | 64.5 | YSHL-15 |
| CC-21 | 235 | ø248 | ø205 | - | 133.1 | 142.8 | 64.5 | YSHL-21 |
| CC-32 | 285 | ø328 | ø305 | - | 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)

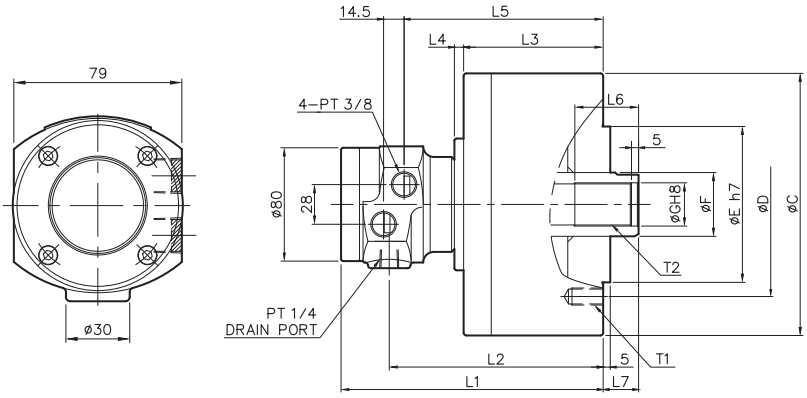
CC - □□ (Cylinder Size)

# YAS

## 고속중실형 회전유압실린더
CLOSED CENTER HYDRAULIC CYLINDER
高速中実型回転油圧シリンダー / 中实回转油缸

- 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/外刑図/외형도




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

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|
| | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m($min^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | $GD^2$ Moment of inertia N·㎡(kgf.㎡) | Matching chuck 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

| Item항목 / Model형식 | 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 |

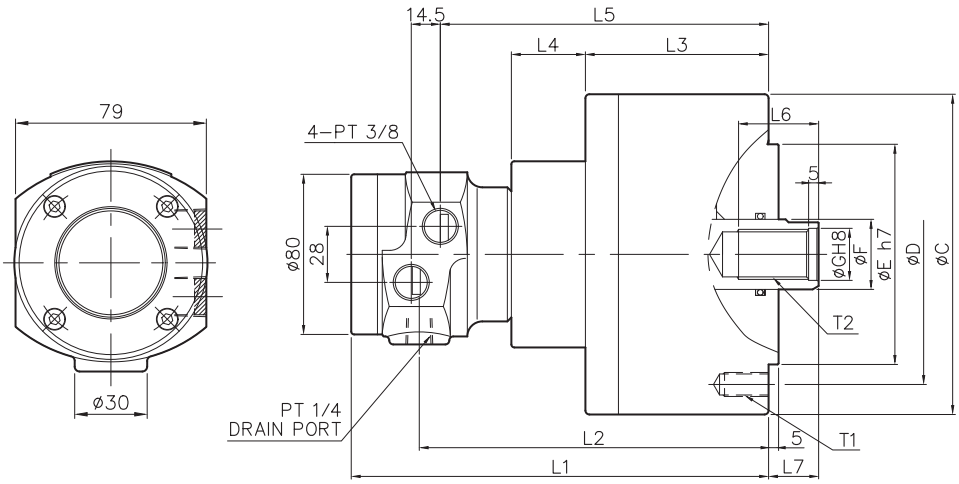
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# YASC

**고속중실형 회전유압실린더(체크밸브 내장형)**
CLOSED CENTER HYDRAULIC CYLINDER(CHECK VALVE Type)
高速中実型回転油圧シリンダー / 中实回转油缸

- 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/外形図/외형도




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

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|
| | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m(min$^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | GD$^2$ Moment of inertia N·㎡(kgf.㎡) | Matching chuck 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 |

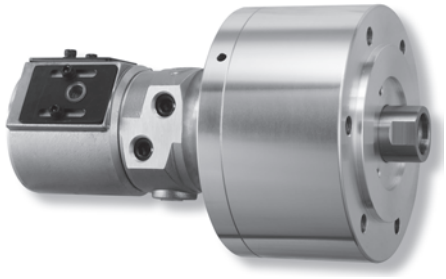
## Dimension/尺寸/寸法表/치수표

| Item항목 / Model형식 | 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.

# YASP

**고속중실형 회전유압실린더(근접스위치 부착 가능형)**
CLOSED CENTER HYDRAULIC CYLINDER(PROXIMITY SWITCH Type)
高速中実型回転油圧シリンダー(近接スイッチ取付け可能型) / 中实回转油缸(带接近开关)



- **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

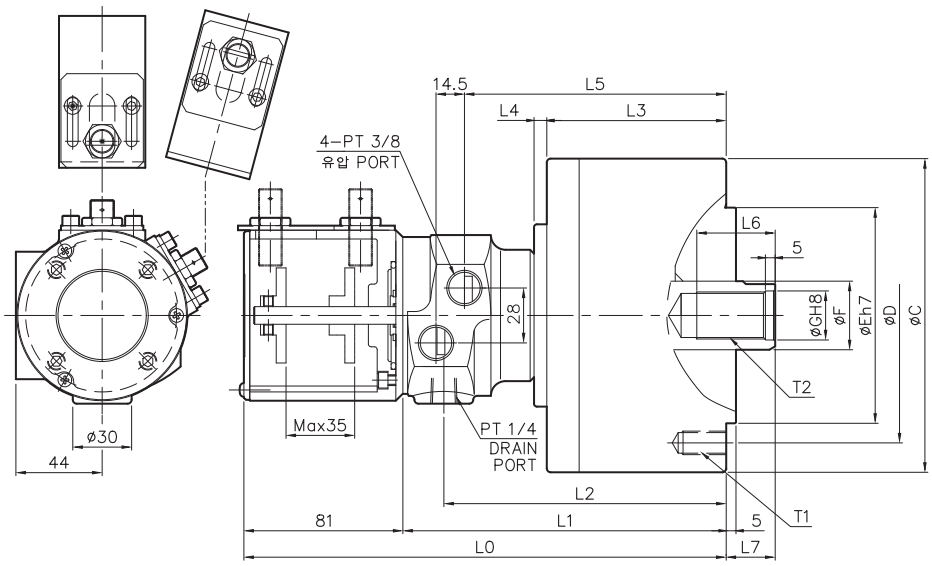
※ 허용 최고 회전속도는 실측치에 준함.
※ Maximum turning speed is based on actual measurment.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|
| | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m($min^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | GD² Moment of inertia N·㎡(kgf.㎡) | Matching chuck 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / Model형식 | C | D | E | F | G | L0 | L1 | L2 |
|---|---|---|---|---|---|---|---|---|
| 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 / 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.

# YAST

**고속중실형 회전유압실린더(체크밸브 내장+근접스위치 부착 가능형)**
CLOSED CENTER HYDRAULIC CYLINDER(CHECK VALVE+PROXIMITY SWITCH Type)
高速中実型回転油圧シリンダー / 中实回转油缸

- 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

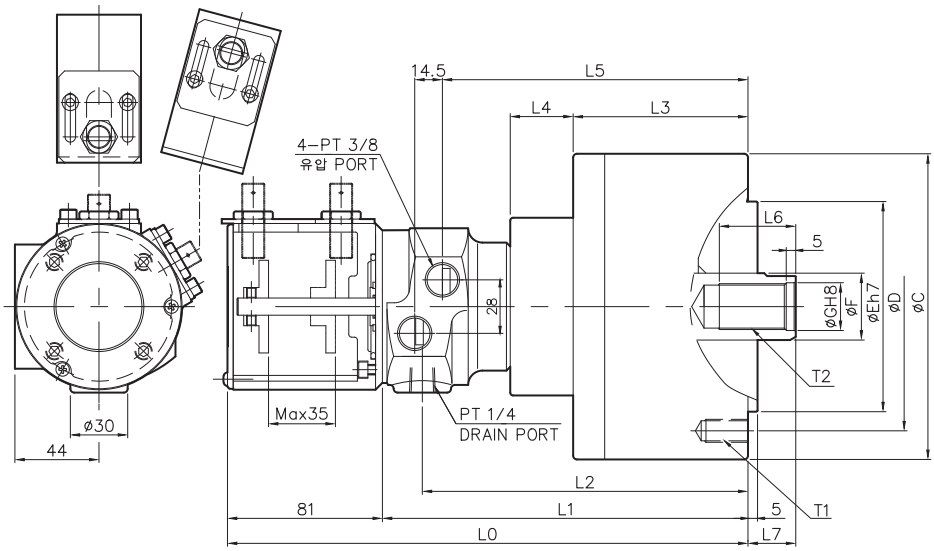
※ 허용 최고 회전속도는 실측치에 준함.
※ Maximum turning speed is based on actual measurment.

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|
| | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m(min⁻¹) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | GD² Moment of inertia N·m²(kgf.m²) | Matching chuck 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / Model형식 | 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 |

| Item항목 / Model형식 | 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-ø18THRU | M42XP3.0 |
| YAST-250S | 145 | - | 174.5 | 60 | 85 | 25 | 12-M20 | M42XP3.0 |

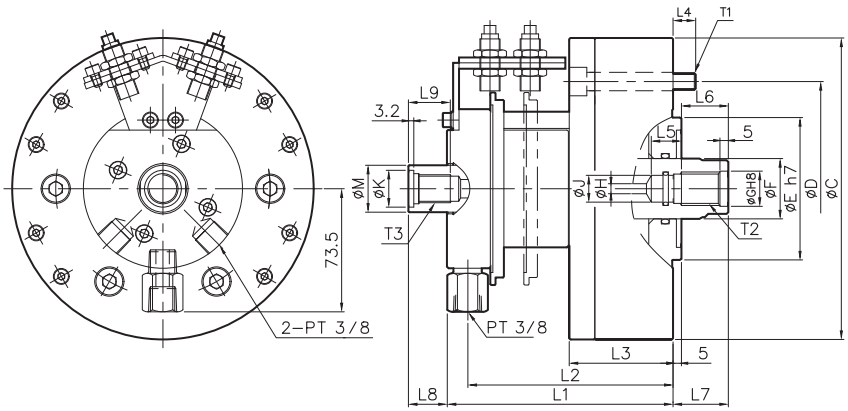
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# YMS

**고속중실형 박형실린더(근접스위치 부착형)**
CLOSED CENTER HYDRAULIC CYLINDER(PROXIMITY SWITCH Type)
高速中実スリム型シリンダー(近接スイッチ取付り可能型) / 中实回转油缸(带接近开关)

- 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
- 油缸的长度较短 • 在油缸的中心轴处形成贯通径
  • 油缸内部油路长度达到最小化 • 此回转油缸带有单向阀
  • 由于此型号回转油缸带接近开关

## Outward Drawing/外型图/外刑図/외형도




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

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|
| | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m($min^{-1}$) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | $GD^2$ Moment of inertia N·㎡(kgf.㎡) | Matching chuck 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

| Item항목 / Model형식 | C | D | E | F | G | H | J | K | M | L1 | L2 | L3 | L4 | L5 | L6 | L7max | L7min | 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 |

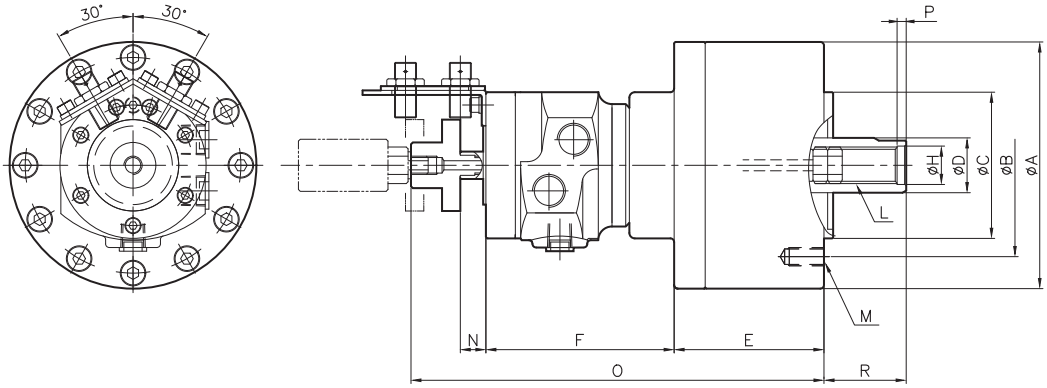
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# YTRC

**고속중실형회전유압실린더(주수형, 중심부 관로형성)**
POWER CYLINDER WITH THROUGH HOLE
高速中空型回転油圧シリンダー / 中实回转油缸

- 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 bowing 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/外刑図/외형도




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

## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Cylinder Dia 실린더내경 mm | Piston stroke 피스톤스트로크 mm | Piston surface area 피스톤 단면적 ㎠ | | Max. Draw bar pull 실린더 추력 KN(kgf) | |
|---|---|---|---|---|---|---|---|
| | | | | Push 압측 | Pull 인측 | Push 압측 | Pull 인측 |
| 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 / Model형식 | Max. operating pressure 최고사용유압력 kgf/㎠ | Max.permissible speed 최고사용회전수 r.p.m(min⁻¹) | Total leakage 총드레인량 ℓ/min | Weight 중량 kg | GD² Moment of inertia N·m²(kgf.m²) | Matching chuck 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

| Item항목 / Model형식 | 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-죠 연동척

3-JAW SCROLL CHUCK

62P

## MI

4-죠 단동척

4-JAW INDEPENDENT CHUC

66P

## MSU

죠 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

# MS

**3-죠 연동척**
3-JAW SCROLL CHUCK
3つ爪連動チャック / 三爪自定心卡盘

- 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

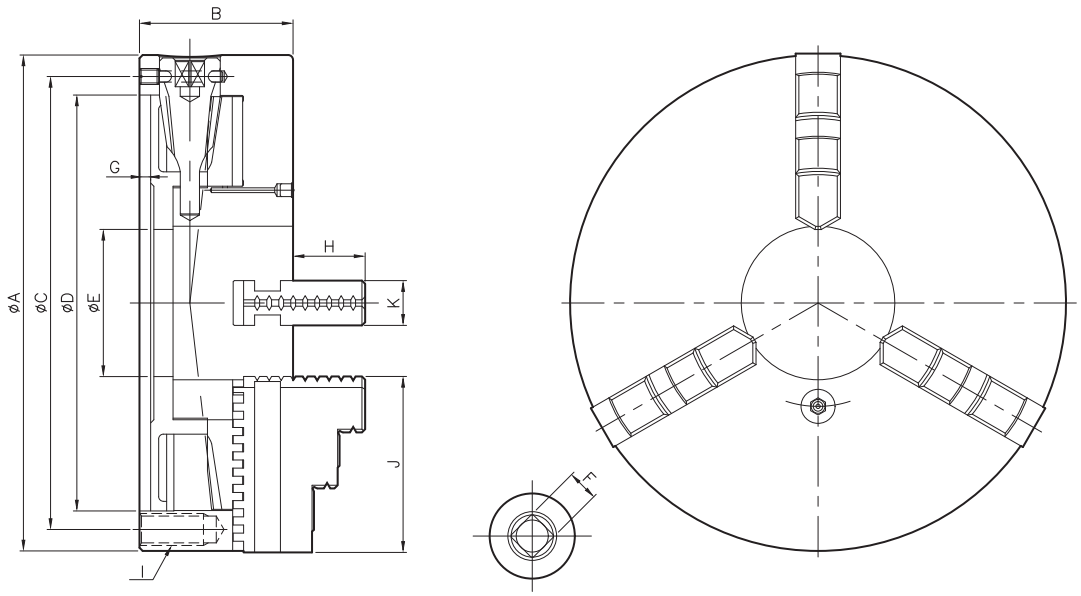
※ 척의 오랜 수명을 유지하기 위해 최소 일2회 이상 그리스를 주입하여 주십시오.
※ It is recommended to grease chucks at least twice a day in order to maximize longevity.



## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Chuck size 척외경 mm | Thru-hole Dia 관통경 mm | Gripping Force 파악력 kgf | Gripping Dia 파악경 | | | | Weight 중량 kg | Max.permissible speed 최고사용회전수 r.p.m(min$^{-1}$) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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

# MSU

**죠 분리형 연동척**
TWO PIECE JAW SCROLL CHUCK
爪分離型連動チャック / 分体卡爪式平面螺旋自定心卡盘

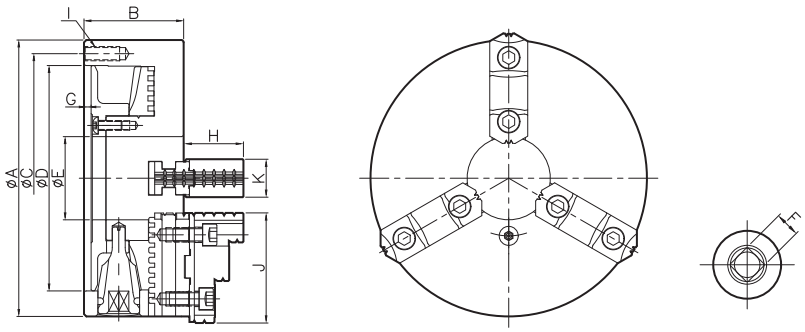
- **죠오 분리형 연동척 • 정밀가공 용이 • 생산성 향상에 기여**
  **• 고품질, 긴수명 • 호환성 • 부속품**

- **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

- 卡爪可析开 • 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/外形図/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 / Model형식 | Order NO. 오더번호 | Chuck size 척외경 mm | Thru-hole Dia 관통경 mm | Gripping Force 파악력 kgf | Gripping Dia 파악경 | | | | Weight 중량 kg | Max.permissible speed 최고사용회전수 r.p.m(min$^{-1}$) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 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

| Item항목 / Model형식 | 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 |

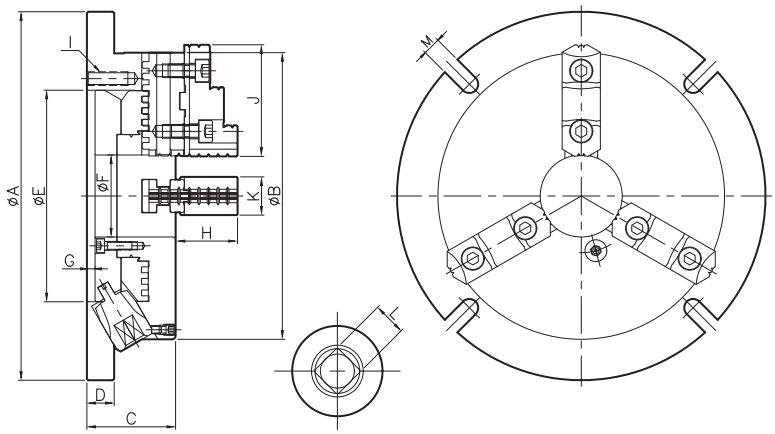
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# MSL

**표준형 슬로터 척**
STANDARD SLOTTER CHUCK
標準スロッター / 插床

- 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/外形図/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 / Model형식 | Order NO. 오더번호 | Chuck size 척외경 mm | Thru-hole Dia 관통경 mm | Gripping Force 파악력 kgf | Gripping Dia 파악경 | | | | Weight 중량 kg | Max.permissible speed 최고사용회전수 r.p.m(min$^{-1}$) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 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

| Item항목 / Model형식 | 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.

# MI

## 4-죠 단동척
4-JAW INDEPENDENT CHUCK
4つ爪単動チャック / 四爪单动卡盘4爪

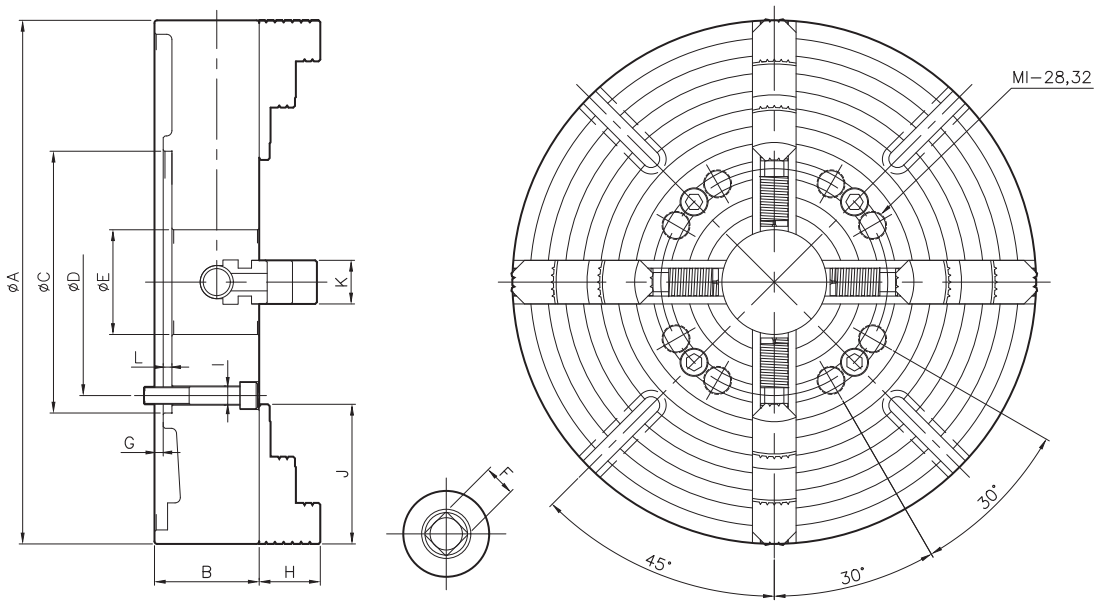
- 가장 일반적 모델 • 고품질, 긴 수명 • 호환성 • 부속품 • 맞춤서비스
- General model • High Quality & Long Durability • Compatibility • Parts • Customization
- 最も一般的なモデル • 高品質, 長寿命 • 互換性 • 付属品 • お客様方 によるサービス
- 普通型 • 质量好, 使用寿命长 • 兼容性 • 随机附件 • 可特殊订货



## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Chuck size 척외경 mm | Thru-hole Dia 관통경 mm | Gripping Force 파악력 kgf | Max. Gripping Dia 최대파악경 mm | Weight 중량 kg | Max.permissible speed 최고사용회전수 r.p.m(min⁻¹) |
|---|---|---|---|---|---|---|---|
| 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 |

## Outward Drawing/外型图/外刑図/외형도




## Dimension/尺寸/寸法表/치수표

| Item항목 / 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.

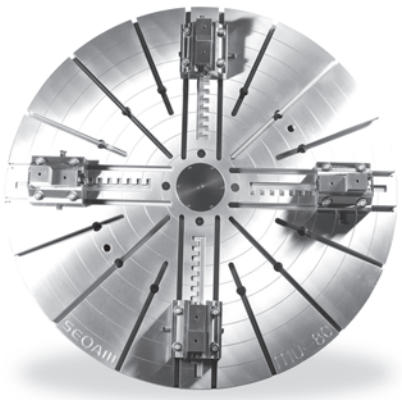
## Model Description/型号说明/型式番号表示/형식번호 표시

MI - □□

Chuck Size

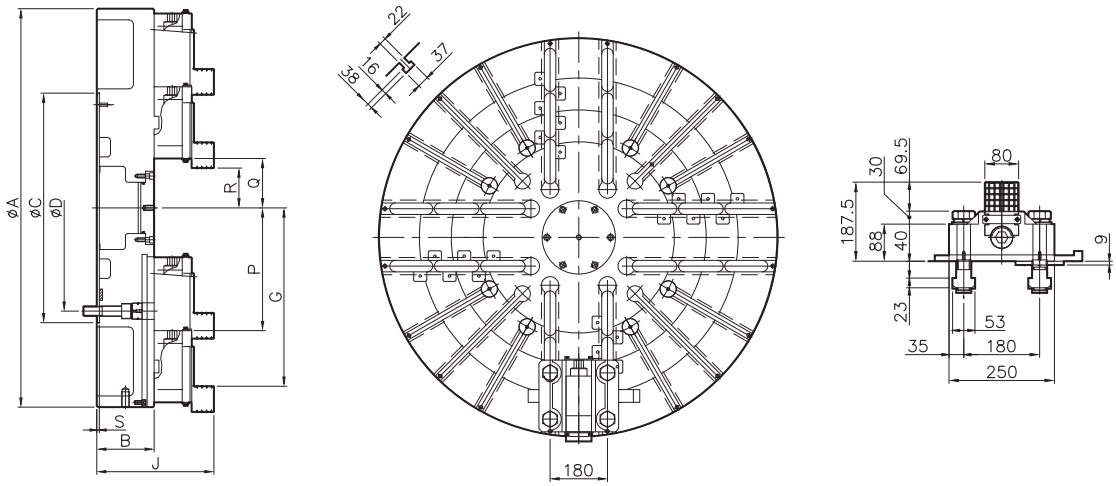
# MU

**표준형 매뉴얼척**
MANUAL CHUCK
標準型マニュアルチャック / 标准型手动卡盘



- 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/外形図/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 / Model형식 | Order NO. 오더번호 | Box Jaw stroke 죠 스트로크 mm | Max. static gripping force 최대 정적파악력 KN(kgf) | Gripping Dia(Exteral gripping) 파악경(외경파악) mm | | Max.permissible speed 최고 사용회전수 r.p.m(min⁻¹) | Weight 무게 kg | GD² Moment of inertia N·㎡(kgf.㎡) |
|---|---|---|---|---|---|---|---|---|
| | | | | 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

| Item항목 / Model형식 | 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 | - | - |

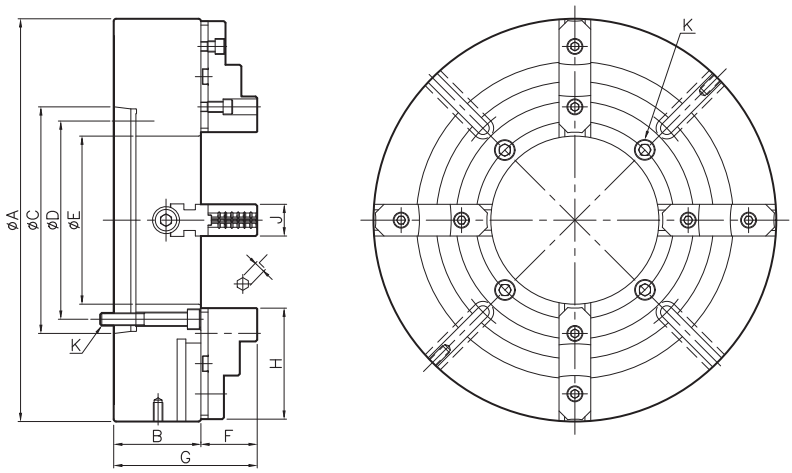
※ 치수 및 사양은 예고없이 변경될 수 있습니다.
※ Specifications are subject to change without notice.

# MIOC

**대관통경 단동척**
INDEPENDENT OIL COUNTRY CHUCK
オイルカントり単動チャック / 超大通孔単动卡盘

- 내구성이 강함(스틸 바디)
- High durability(Steel Body)
- 高い耐久性(スチールボディー)
- 耐磨损(全冈体)
- 산업용 파이프 가공시 적합
- Suitable such as industrial pipes
- 産業用パイプか工事に適合
- 工业用烟斗 架设

## Outward Drawing/外型图/外形図/외형도




## Specifications/规格/仕様表/사양표

| Spec.사양 / Model형식 | Order NO. 오더번호 | Chuck size 척외경 mm | Thru-hole Dia 관통경 mm | Gripping Force 파악력 kgf | Gripping Dia 파악경 External (Ø) Max 최대 | Gripping Dia 파악경 Internal (Ø) Min 최소 | Weight 중량 kg | Max.permissible speed 최고사용회전수 r.p.m(min$^{-1}$) |
|---|---|---|---|---|---|---|---|---|
| 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

| Item항목 / Model형식 | 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.

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## SOFT JAW

소프트 죠

SOFT JAW

72P

## HARD JAW

하드 죠

HARD JAW

73P

## JAW NUT

죠 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

Fig.1

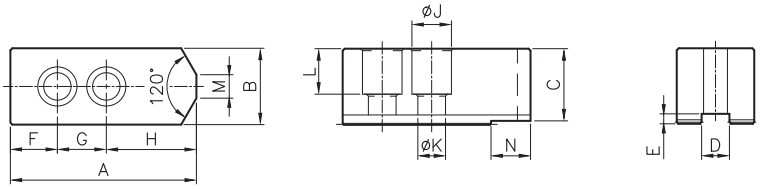



Fig.2

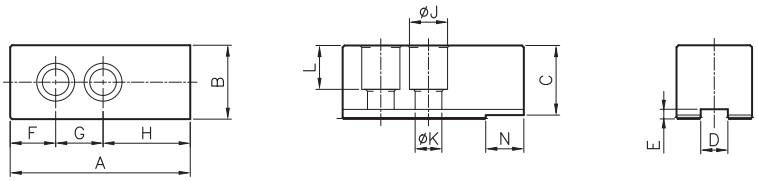
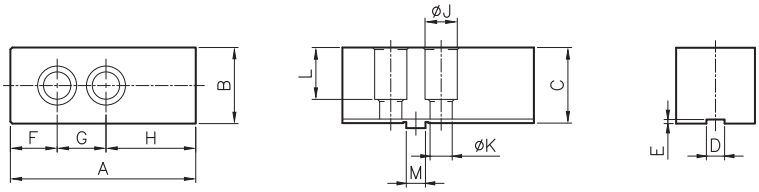



Fig.3




▶SOFT JAW

**SJ - □□ □ □**

Chuck Size / Option

Shape A | Flat(각형)
B | Protrude(山형)

## 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 |

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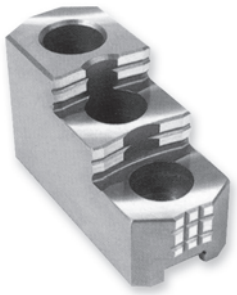
# HARD JAW

하드 죠
HARD JAW
硬爪 / 硬爪



▶HARD JAW

HJ - □□ □ □
Chuck Size / Option

Shape A | 2 Step(2단)
B | 3 Step(3단)

Fig.1

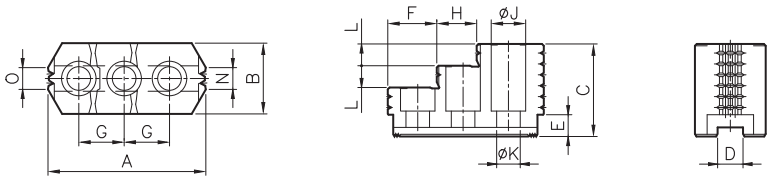



Fig.2

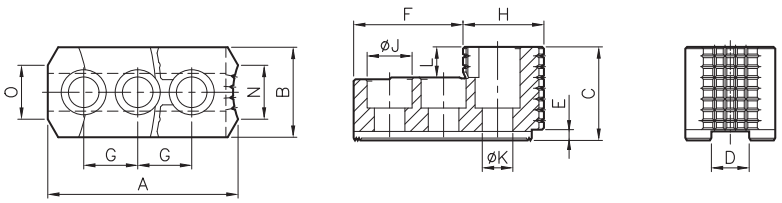
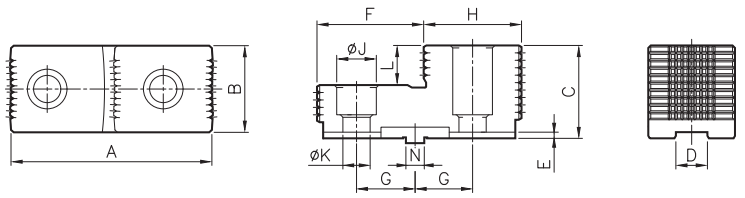



Fig.3




## Dimension/尺寸/寸法表/치수표

| Type | Fig | Serration | A | B | C | D | E | F | G | H | J | K | L | 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 |

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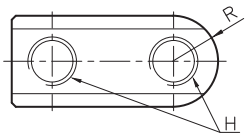
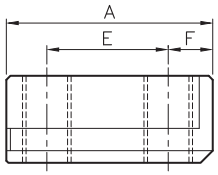
# JAW NUT

조 너트
JAW NUT
爪ナット/ 爪螺母

Fig.1



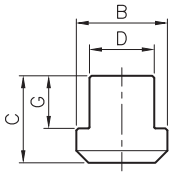
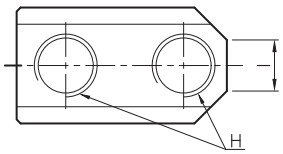
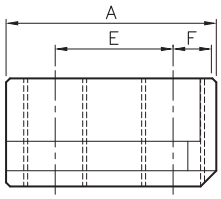




Fig.2



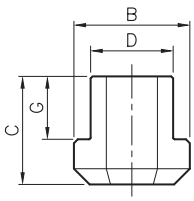
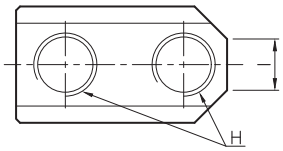
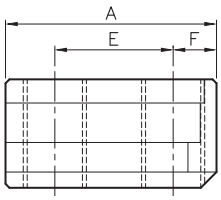




Fig.3



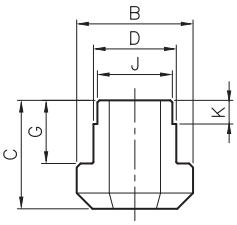
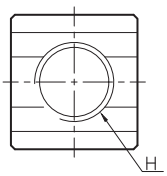
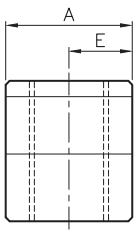
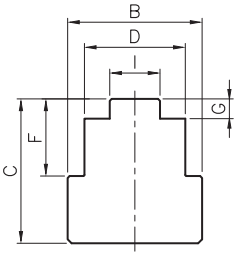




Fig.4




## 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

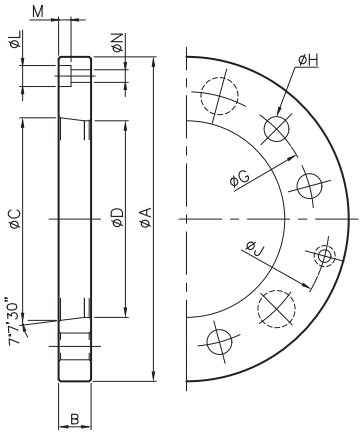



Fig.1-1

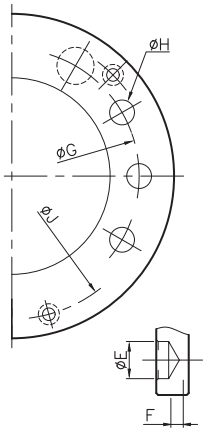



Fig.1-2

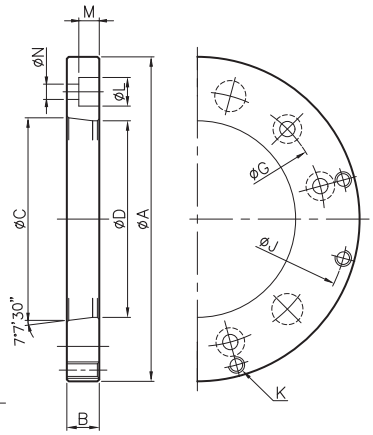



Fig.2

▶ADAPTER

AD □ - □□ A□□
Chuck Size
Spindle Nose

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

## Outward Drawing/外型图/外形図/외형도

| Item항목 / Model형식 | 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 |

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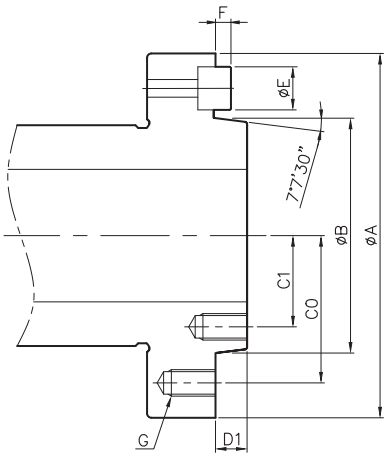
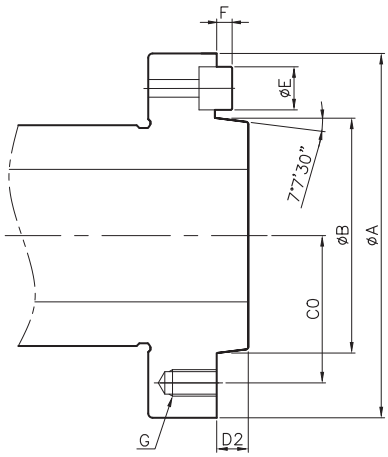
※ Specifications are subject to change without notice.

# Short taper Spindle Nose

**주축단 규격**
SHORT TAPER SPINDLE NOSE
主軸テーパ規格 / 主轴端规格




SPINDLE A1 – Type




SPINDLE A2 – Type

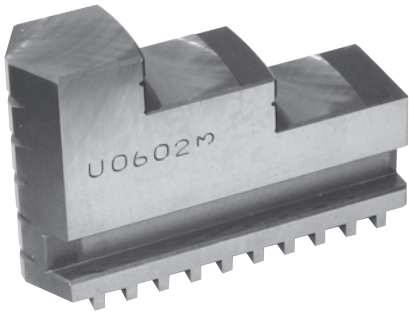
## Dimension/尺寸/寸法表/치수표

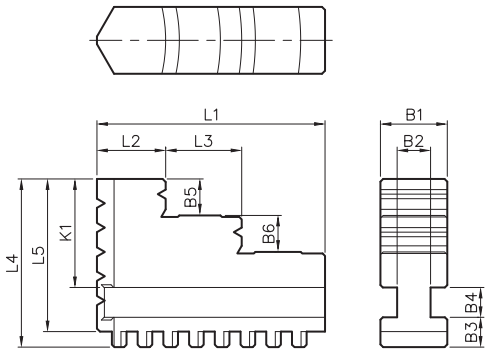
| spindle nose | A | B | C0 | C1 | A1-Type D1 | A1-Type D2 | E | F | G |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 92 | 53.975 | 35.3 | - | - | 11 | - | - | M10 |
| 4 | 108 | 63.513 | 41.3 | - | - | 11 | 14.15 | 5 | M10 |
| 5 | 133 | 82.563 | 52.4 | 30.95 | 14.29 | 13 | 15.9 | 5 | M10 |
| 6 | 165 | 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.

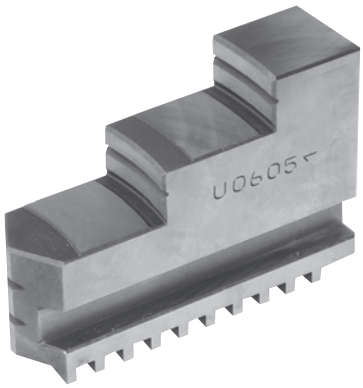
# MS-JAW

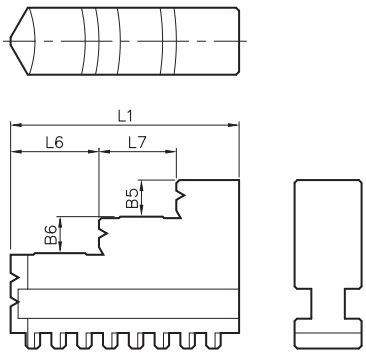
**매뉴얼 척 죠**
MANUAL CHUCK JAW
スクロールチャック ジョー / 三爪卡盘爪




<내죠 Internal Jaw>




<외죠 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 |

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※ Specifications are subject to change without notice.

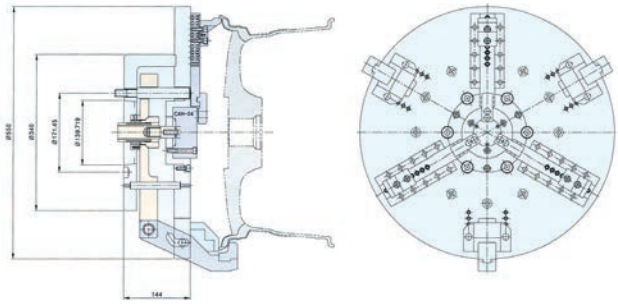
# SEOAM
# SPECIAL CHUCK

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.

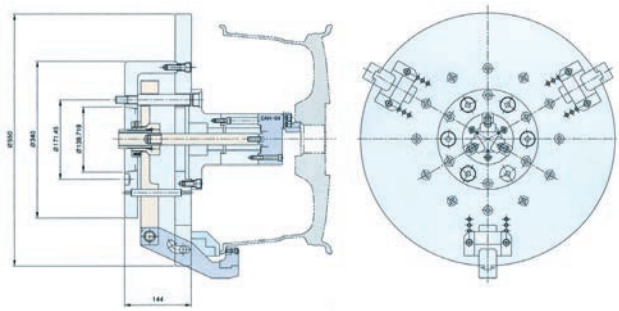
# FINGER CHUCK

## Work : AL-Wheel(op-10)



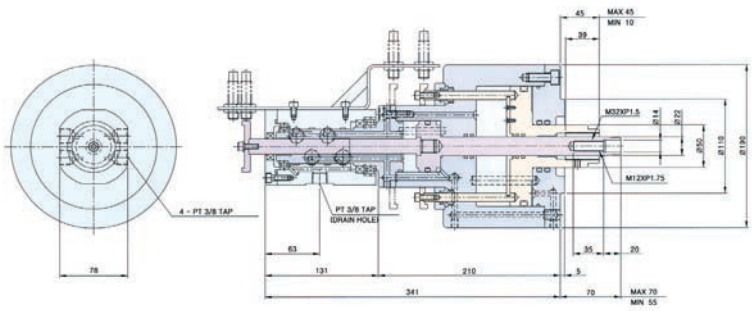
# FINGER CHUCK

## Work : AL-Wheel(op-20)



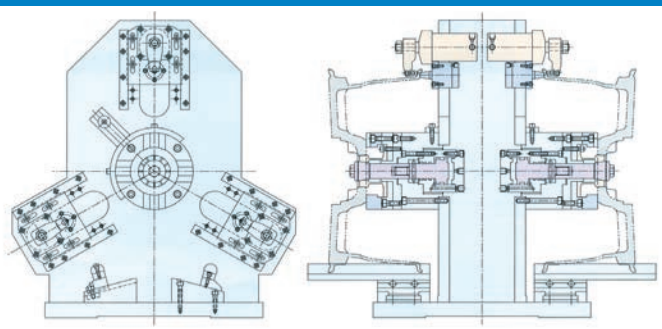
# HYDRAULIC DOUBLE PISTON CYLINDER

## Standard



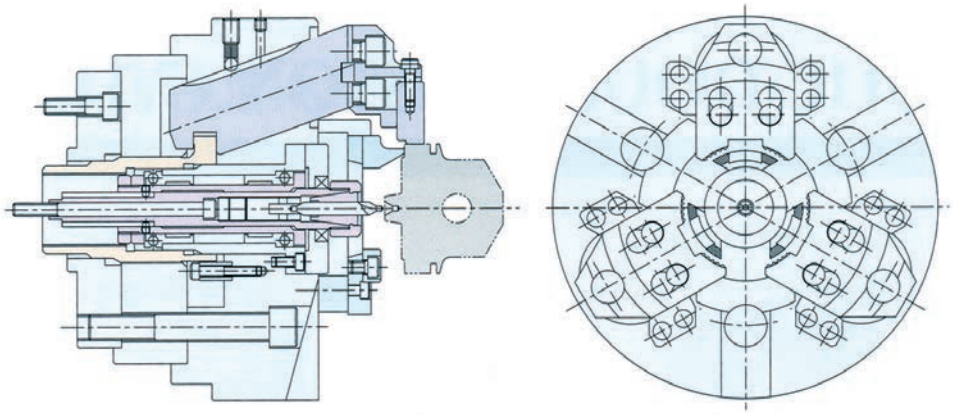

# COLLET & FINGER FIXTURE

## Work : AL-Wheel



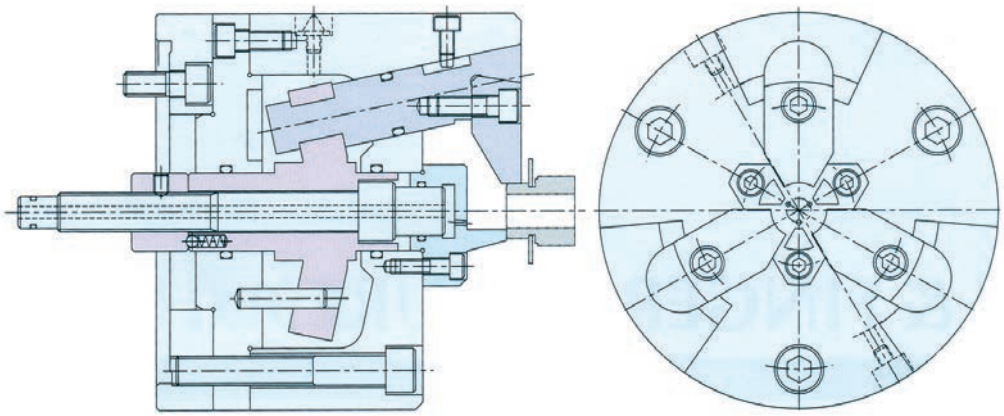
# DRAW DOWN CHUCK & CENTERING

## Work : Pistion



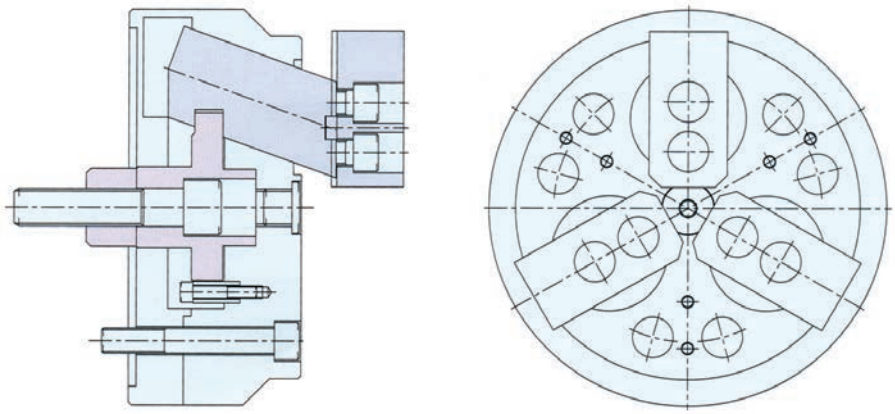
# OUTSIDE PIN ARBOR CHUCK

## Work : Pinion gear



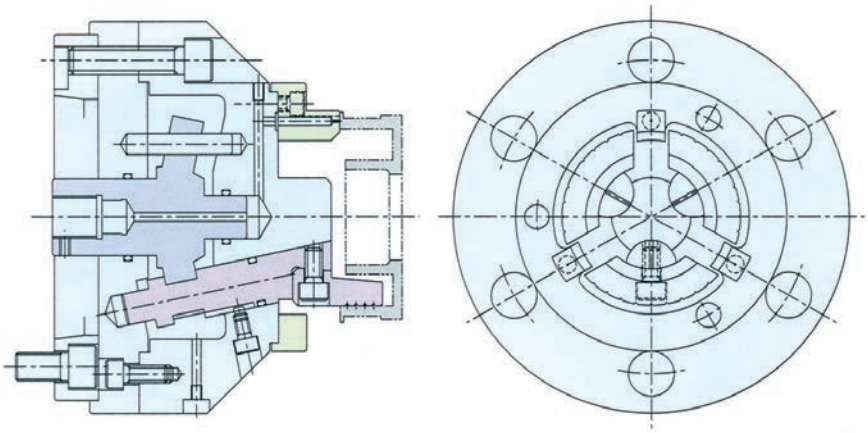
# INSIDE DRAW DOWN CHUCK

## Work : Inside Chucking Standard(C13M)



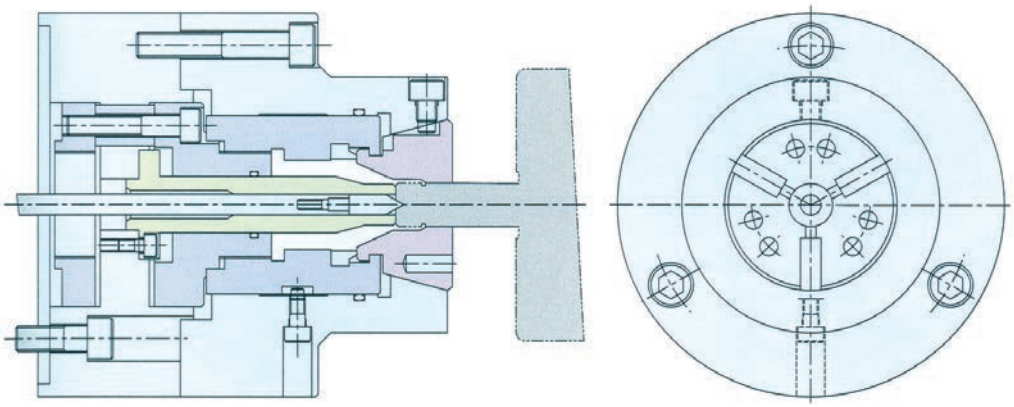
# INSIDE PIN ARBOR CHUCK

**Work : Pully**



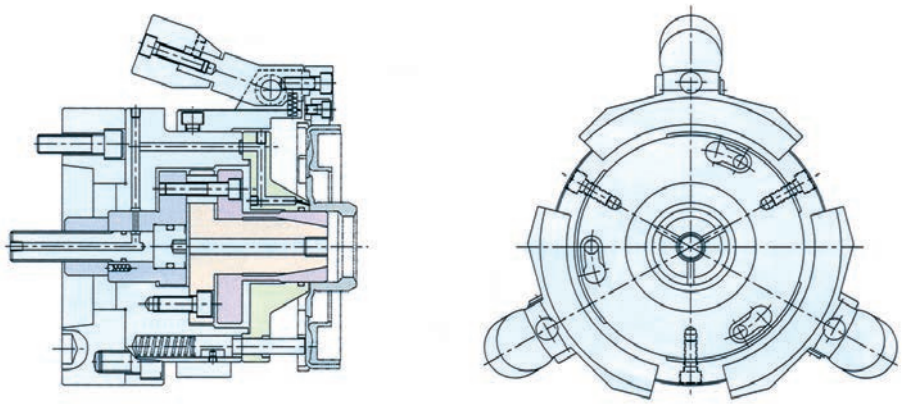
# RUBBER COLLET CHUCK

**Work : Motor Rotor ASS'Y**



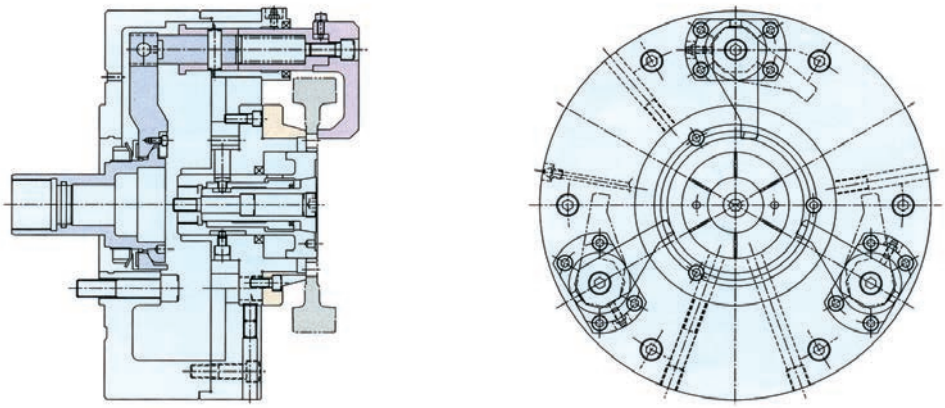
# COLLET & SUB JAW CHUCK

**Work : Hub**



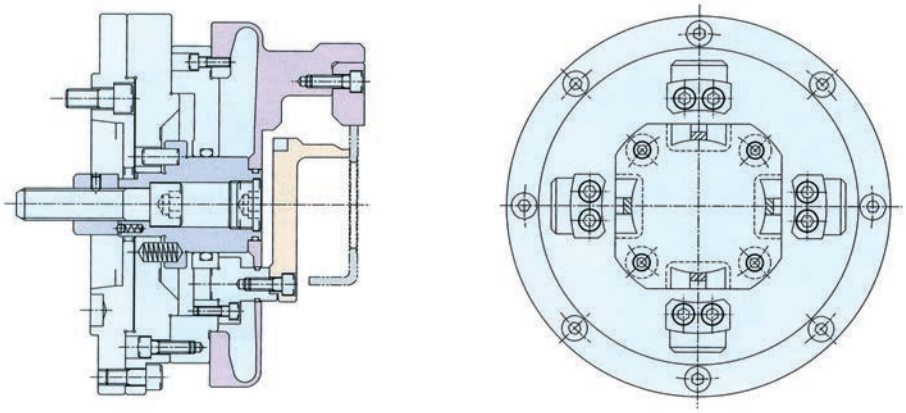
# FINGER & COLLET CHUCK

## Work : Driving gear



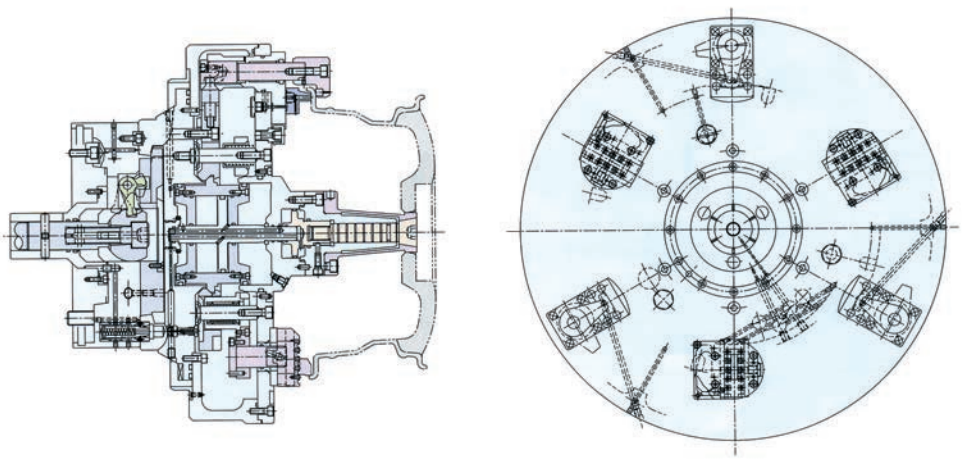
# DIAPHRAGM CHUCK

## Work : Cup planet carrier



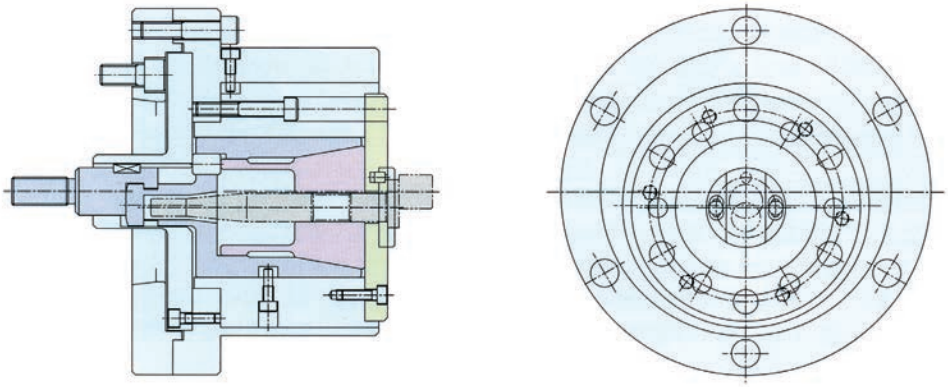
# FINGER & COLLET CHUCK (AIR CHUCK)

## Work : AL-Wheel



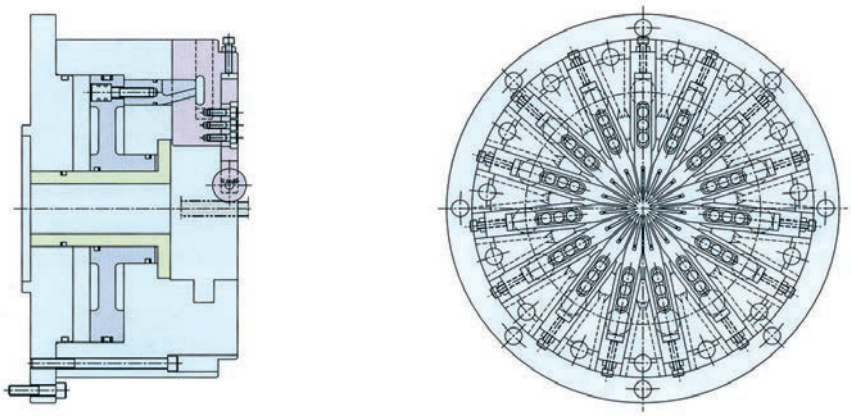
# ECCENTRIC & COLLET CHUCK

**Work : Compressor shaft**



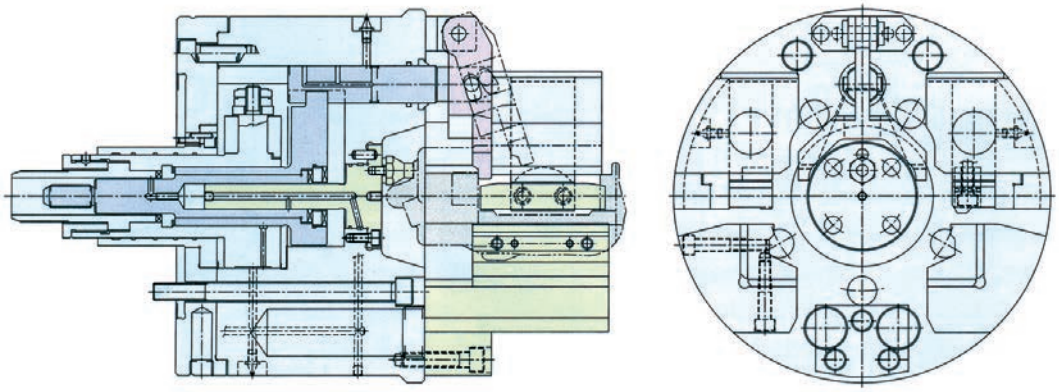
# WEDGE BAR CHUCK

**Work : Copper pipe**



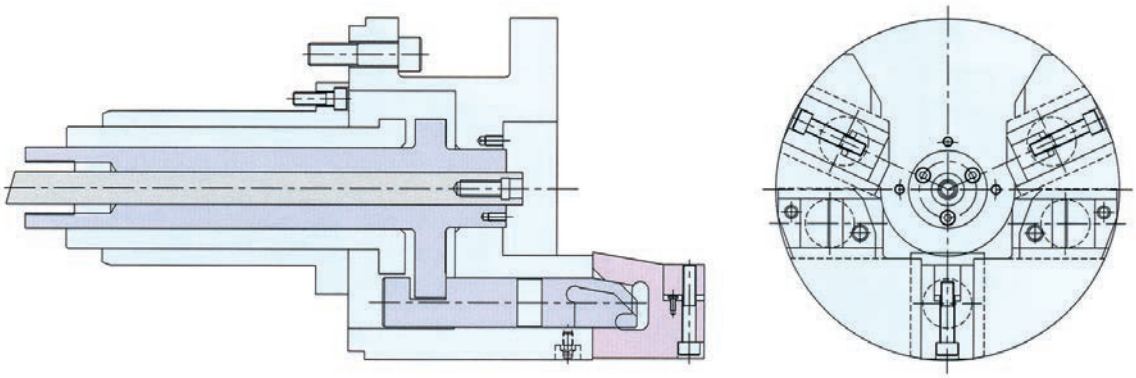
# LEVER CHUCK

**Work : Caliper housing**



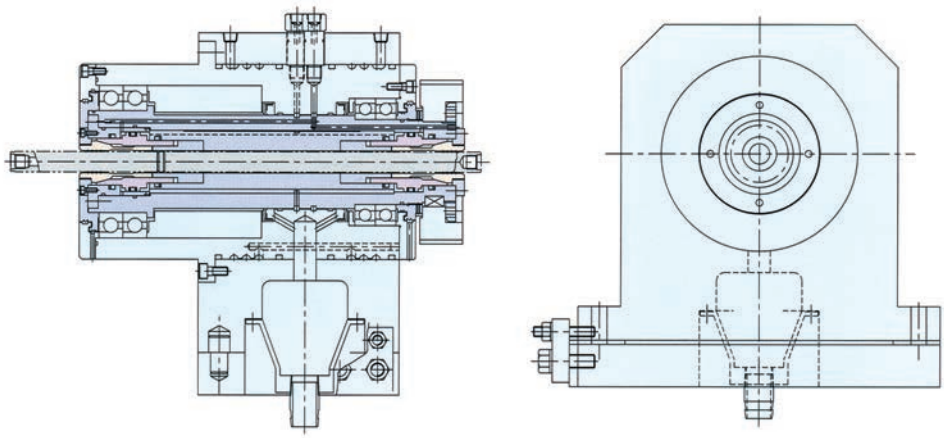
# WEDGE BAR CHUCK

**Work : Crank shaft**



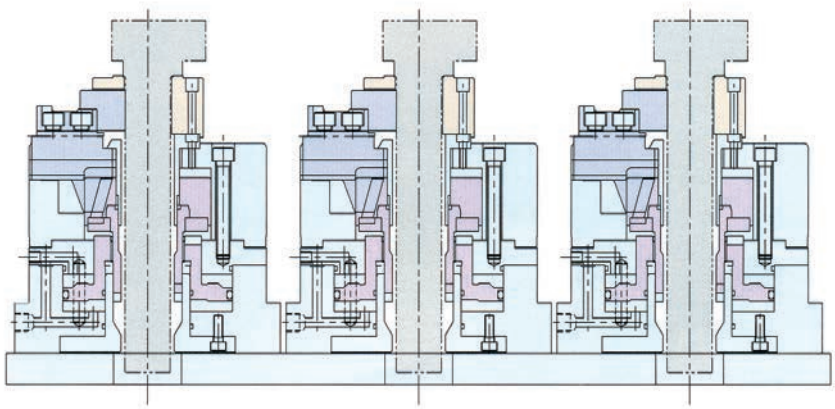
# SPINDLE & COLLET CHUCK

**Work : Shaft**



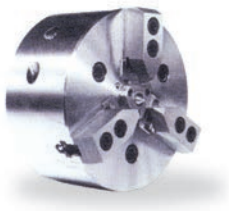
# STATIONARY CHUCK

**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 Repe6.9 cmtition
- 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

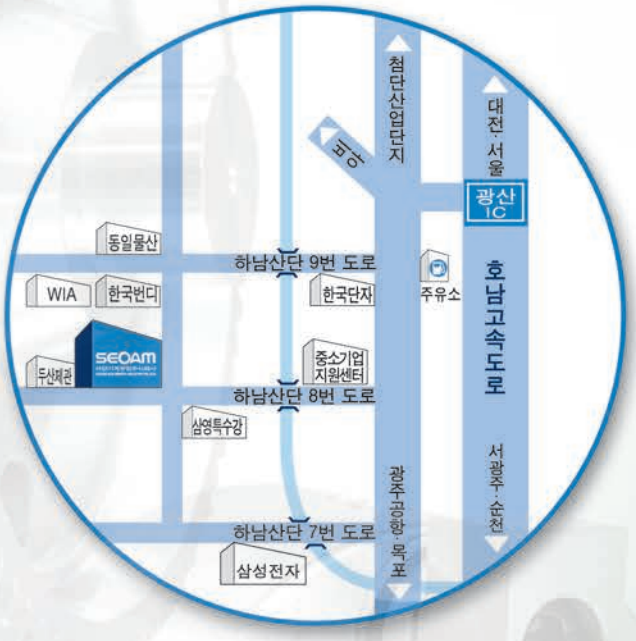
- **롱 스트로크 • 호환성 우수**
- Long Stroke • Excellent Compatibility
- ロングストローク • 優れた互換性
- 长行程 • 兼容性强

## 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

SEOAM
서암기계공업주식회사
SEOAM MACHINERY INDUSTRY CO.,LTD.



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

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

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

SEOAM
MACHINERY INDUSTRY

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