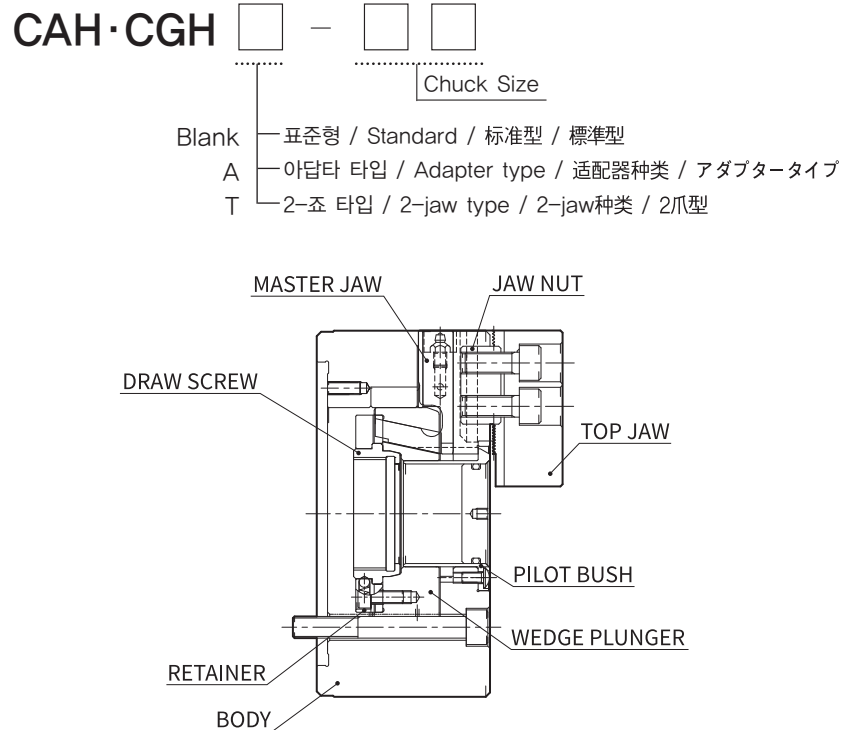
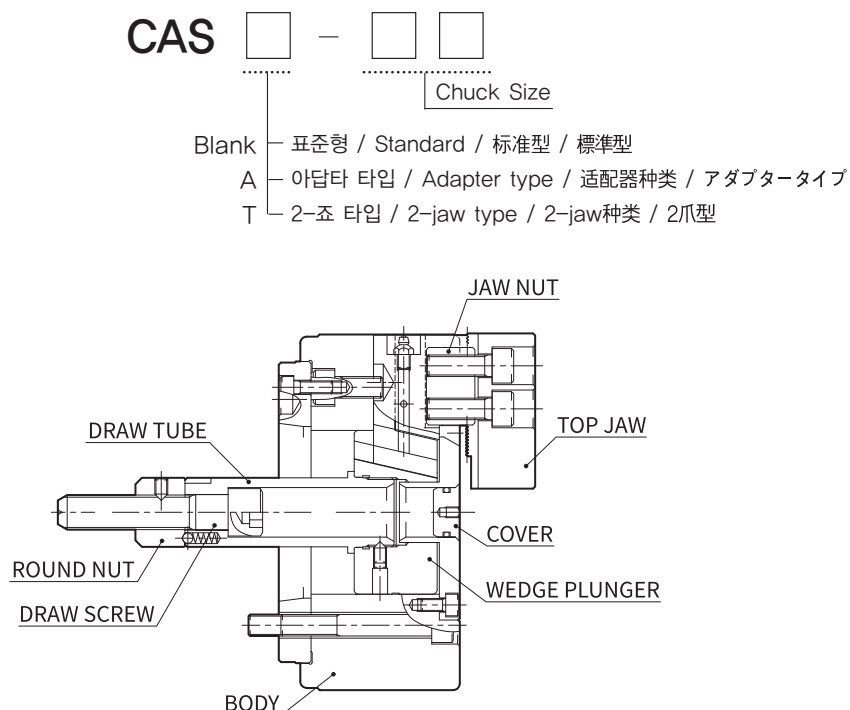


POWER CHUCK : STRUCTURE & PART NAME

OPEN CENTER POWER CHUCK : CAH / CGH

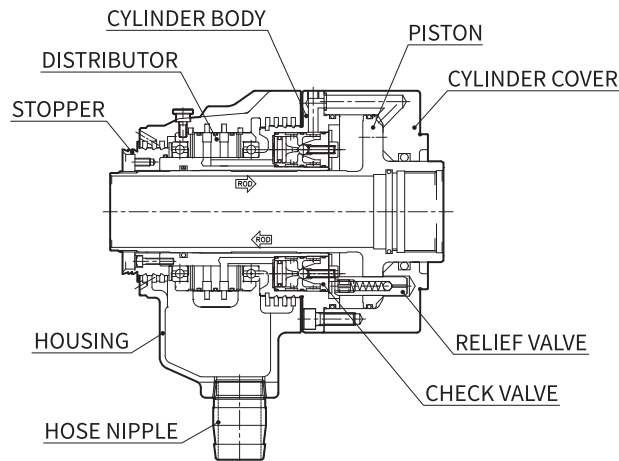
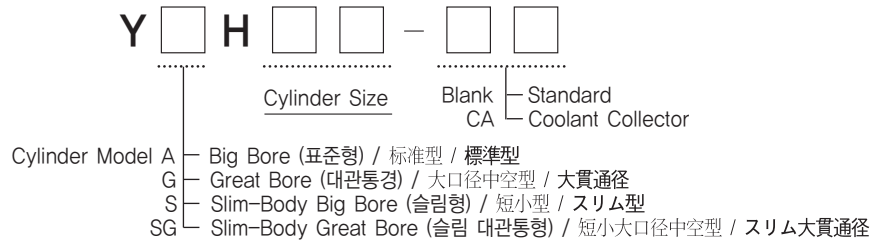


CLOSED CENTER POWER CHUCK : CAS

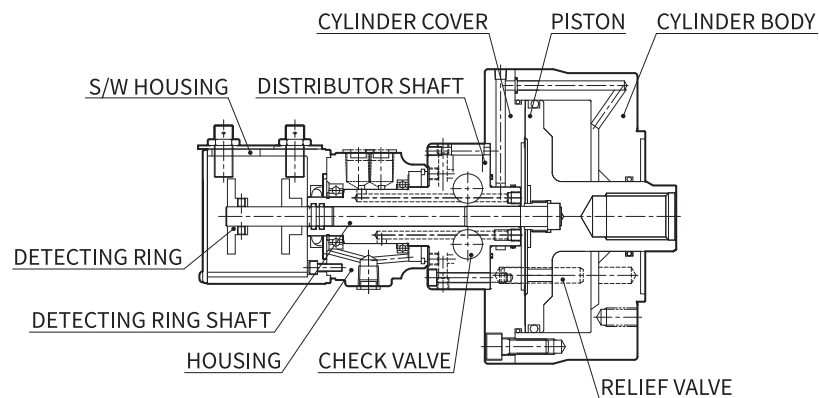
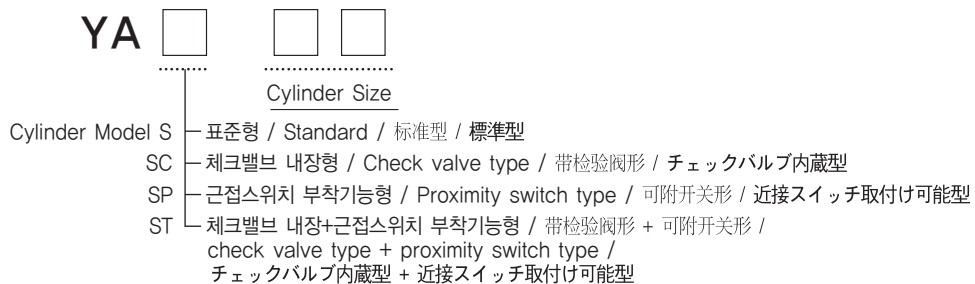


HYDRAULIC CYLINDER : STRUCTURE & PART NAME

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



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





YAH

고속중공형
회전유압실린더
BIG BORE
HYDRAULIC CYLINDER

42P



YAS

고속중실형
회전유압실린더
CLOSED CENTER
HYDRAULIC CYLINDER

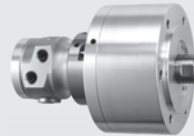
52P



YLD

고속중공형
회전유압실린더
LOW DRAIN
HYDRAULIC CYLINDER

44P



YASC

(Check Valve type)
고속중실형
회전유압실린더
CLOSED CENTER
HYDRAULIC CYLINDER

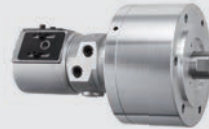
53P



YSH

초고속
중공슬림형 실린더
SUPER HIGH SPEED BIG BORE
HYDRAULIC CYLINDER

46P



YASP

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

54P



YSGH

초고속 중공슬림형
대관통경 유압실린더
SUPER HIGH SPEED
GREAT BORE
HYDRAULIC CYLINDER

48P



YAST

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

56P



YSHL

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

50P



YMS

(Proximity Switch Type)
고속중실형
박형실린더
CLOSED CENTER
HYDRAULIC CYLINDER

58P



CA

쿨란트 콜렉터
COOLANT COLLECTOR

51P



YTRC

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

59P

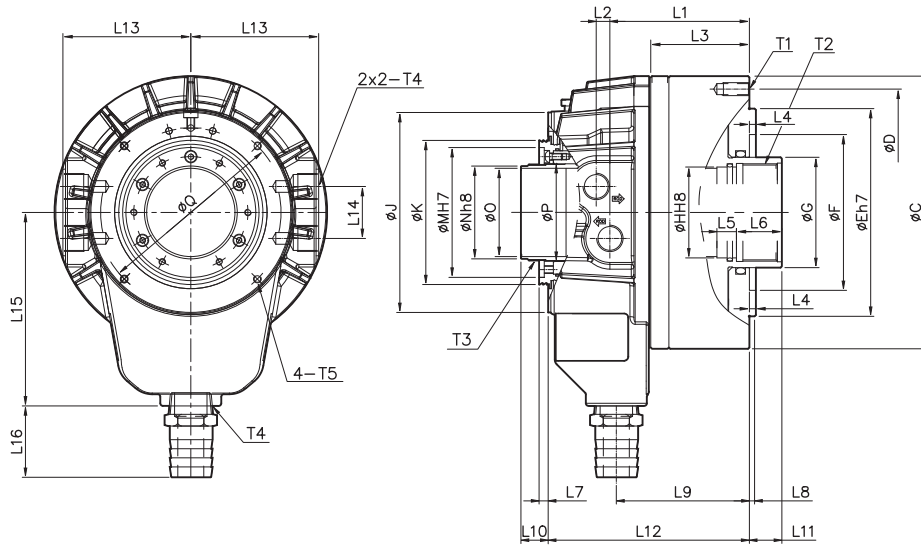


- 안전 확보 • 보수점검이 용이
- 누유방지 설계(특허등록 : 0172805) • 동급 최대 추력
- Safety Guaranteed • Easy Repair & Check
- Leakage Prevention Design(Patent Registration:0172805)
- Highest Draw Pull
- 安全確保 • 補修点検が容易
- 漏油防止設計(特許登録) • 同クラス最大推力
- 保障安全 • 便于检测和维修
- 防泄漏设计(专利注册:0172805) • 动力强大

Specifications/规格/仕様表/사양표

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

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 Mpa(kgf/cm ²)	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
YAH-06N	40.8	7000	3.0	12.0	0.74(0.074)	CAH-06
YAH-08	40.8	6200	3.5	15.5	1.96(0.20)	CAH-08
YAH-10	40.8	4700	4.2	23.0	3.43(0.35)	CAH-10
YGH-10	40.8	4500	4.5	29.2	4.80(0.49)	CGH-10
YAH-12	40.8	3800	4.5	31.0	5.69(0.58)	CAH-12



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

Dimension/尺寸/寸法表/치수표

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

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

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

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

Model Description/型号说明/型式番号表示/형식번호 표시

Y H -

Cylinder Size Blank | Standard
CA | Coolant Collector

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

YAS -

Cylinder Size

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



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

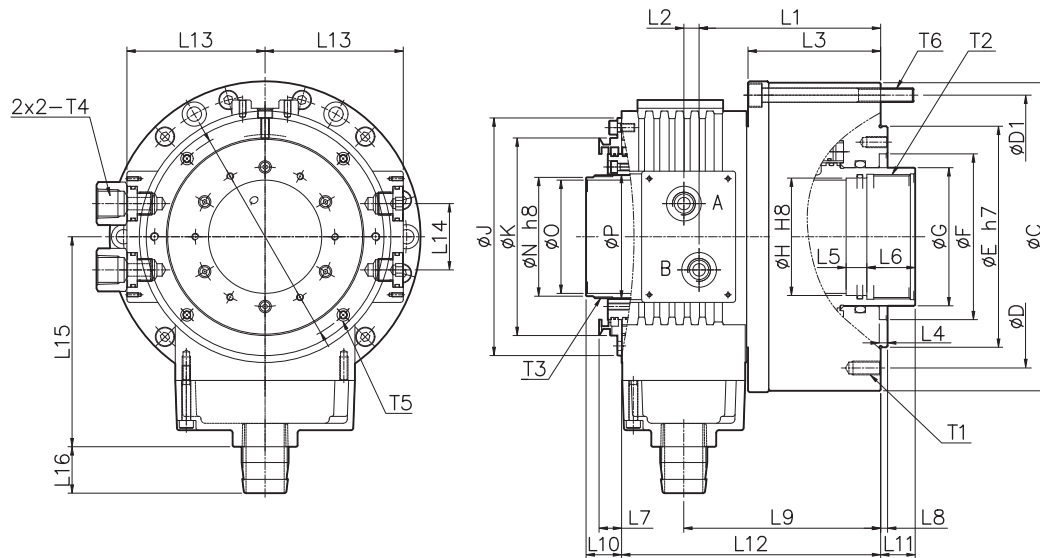
※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurment.

Specifications/规格/仕様表/사양표

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

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 kgf/cm ²	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



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

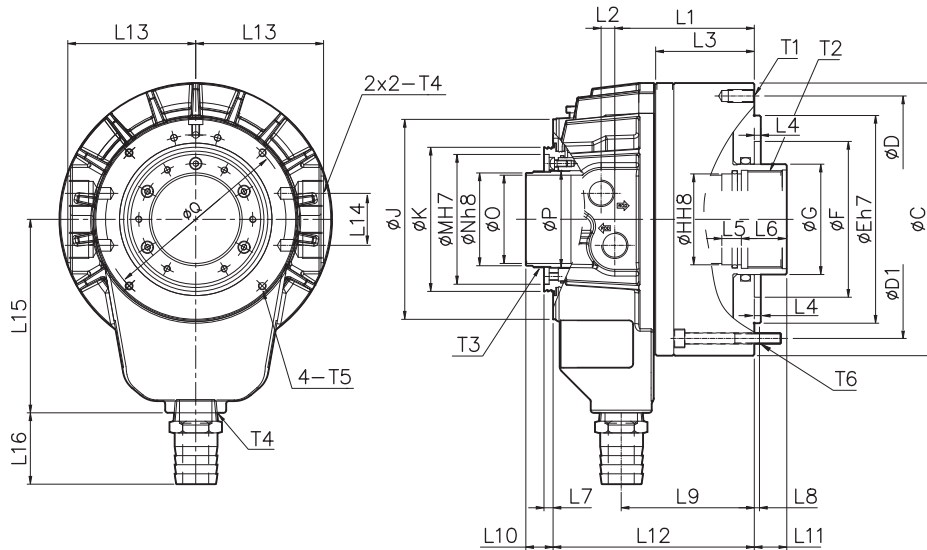
※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

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 cm^2		Max. Draw bar pull 실린더 추력 KN(kgf)	
					Push압축	Pull 인축	Push압축	Pull 인축
YSH-06	2SH06	130	9	43	102.1	91.04	37(3749)	33(3341)
YSH-08	2SH08	156	22	52	159.77	148.62	57.6(5879)	53.6(5469)
YSH-10	2SH10	185	25	77	209	193.9	77.9(7944)	72.1(7357)
YSH-15	2SH15	250	23	117.5	364.4	331.8	129.8(13233.4)	118.2(12050)
YSH-21	2SH21	280	35	166.5	372.1	327.1	111.5(11376)	98(10002)
YSH-32	2SH32	390	35	240	683	643	101.4(10245)	95.4(9645)

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 Mpa(kgf/ cm^2)	Max. permissible speed 최고사용회전수 r.p.m(min^{-1})	Total leakage 총드레인량 ℓ / min	Weight 중량 kg	GD ² Moment of inertia $\text{N} \cdot \text{m}^2 (\text{kgf} \cdot \text{m}^2)$	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



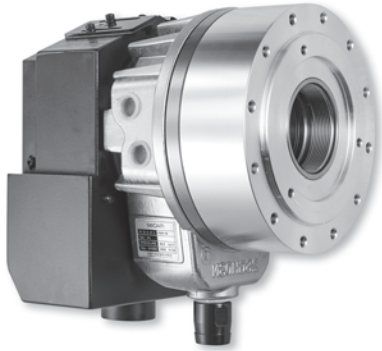
Dimension/尺寸/寸法表/치수표

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.



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

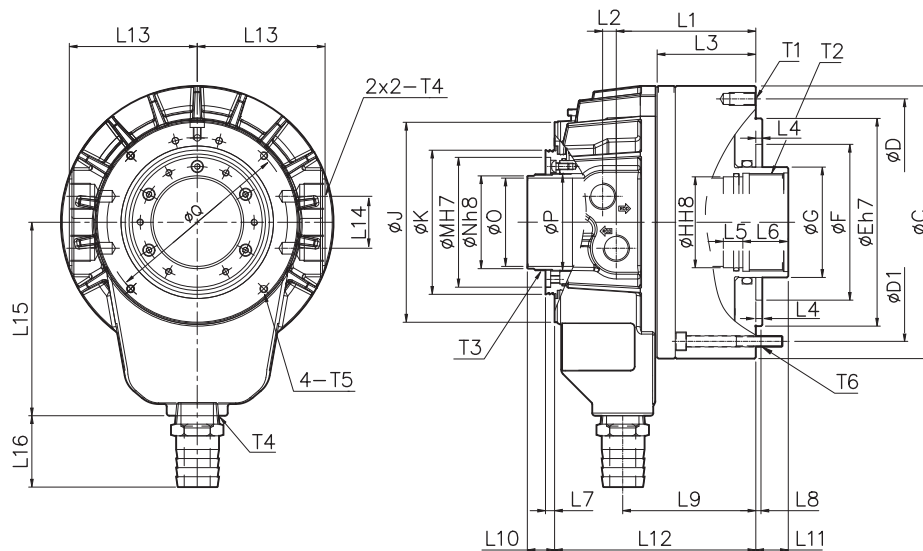
※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

Specifications/规格/仕様表/사양표

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

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 kgf/cm^2	Max. permissible speed 최고사용회전수 $\text{r.p.m}(\text{min}^{-1})$	Total leakage 총드레인량 ℓ/min	Weight 중량 kg	GD^2 Moment of inertia $\text{N} \cdot \text{m}^2 (\text{kgf} \cdot \text{m}^2)$	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



Dimension/尺寸/寸法表/치수표

Model형식	Item항목	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

Model형식\Item항목	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

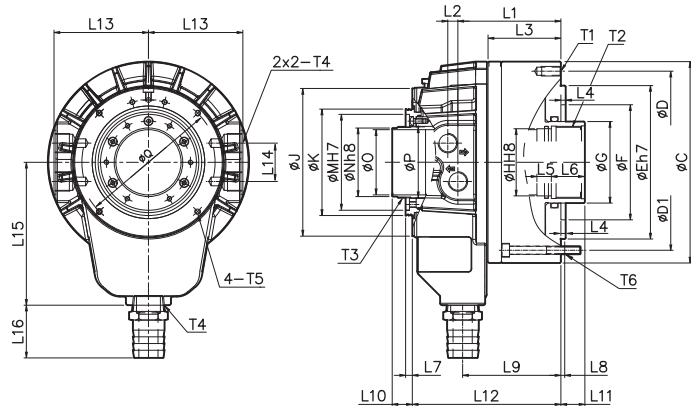
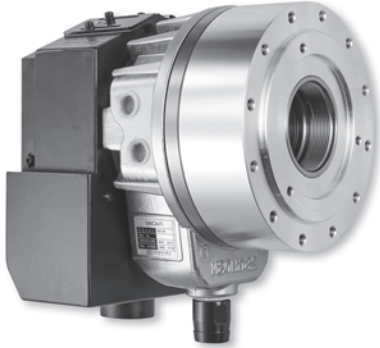
Model형식	Item항목	L12	L13	L14	L15	L16	T1	T2	T3	T4	T5	T6
YSGH-06		138.5	86	40	130	55	12-M10X18	M60XP1.5	M60XP1.5	PT-3/8	4-M6X6	6-M8X80
YSGH-08		155	88	40	149	55	6-M10X18	M75XP2.0	M74XP1.5	PT-1/2	4-M5X10	6-M10X85
YSGH-10		175	102	40	170	55	12-M10X18	M90XP2.0	M89XP2.0	PT-1/2	4-M6X15	6-M10X100
YSGH-12		211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

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

YSHL

초고속 중공슬림형 실린더(롱스트로크)

SUPER HIGH SPEED BIG BORE HYDRAULIC(Long Stroke)
超高速中空スリム型シリンダー / 超大通孔油缸



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

※ 하용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

Specifications/规格/仕様表/ 사양표

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

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 kgf/cm ²	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

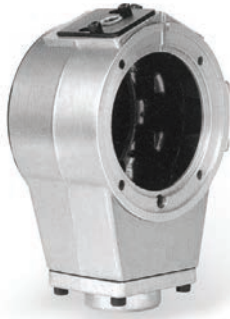
Item항목 Model형식	L12	L13	L14	L15	L16	T1	T2	T3	T4	T5	T6
YSHL-15	241	140	40	215	50	12-M16X32	M124XP2.0	M111XP2.0	PT-1/2	4-M6X10	8-M12X140
YSHL-21	259.5	172.6	40	255	55	12-M16X32	M180XP3.0	M173XP2.0	PT-1/2	4-M6X10	12-M12X150
YSHL-32	277	214	40	332	58	12-M16X40	M250XP3.0	M253XP2.0	PT-1/2	6-M6X15	-

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

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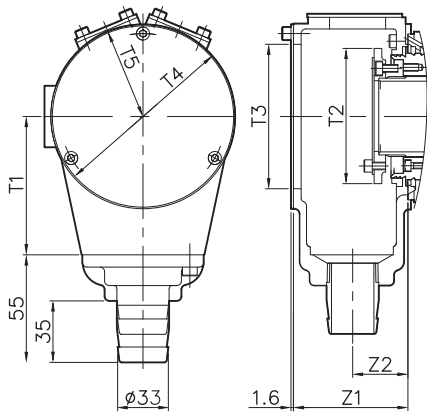
CA

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

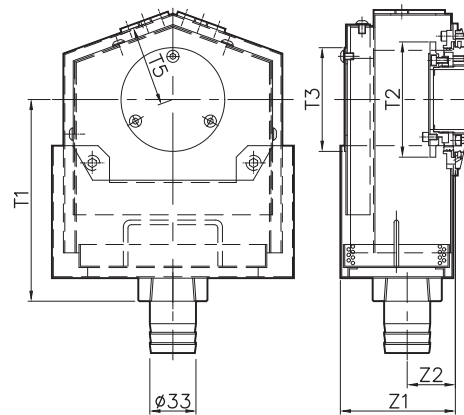


- 절삭유 회수 • 실린더 작동유무 확인
- Coolant Collection • Checking Cylinder operation
- 切削油回収 • シリンダー作動有無確認
- 收集冷却液 • 检测回转油缸的运行

Outward Drawing/外型图/外刑図/외형도



<CA TYPE>



<CC TYPE>

Dimension/尺寸/寸法表/치수표

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

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

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

Model Description/型号说明/型式番号表示/형식번호 표시

CA -
Cylinder Size

CC -
Cylinder Size

YAS

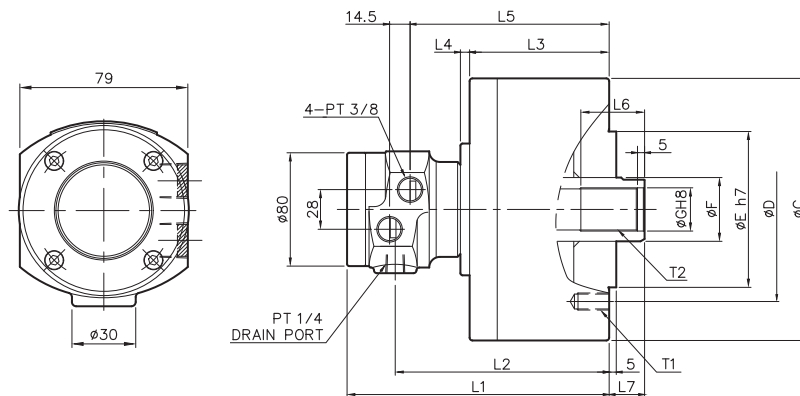
고속중실형 회전유압실린더

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



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

Outward Drawing / 外型图 / 外形圖 / 외형도



※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

Specifications / 规格 / 仕様表 / 사양표

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

Spec. 사양 Model 형식	Max. operating pressure 최고사용유압력 kgf/cm^2	Max. permissible speed 최고사용회전수 $r.p.m.(min^{-1})$	Total leakage 총드레인량 l/min	Weight 중량 kg	GD ² Moment of inertia $N \cdot m^2 (kgf \cdot m^2)$	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

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

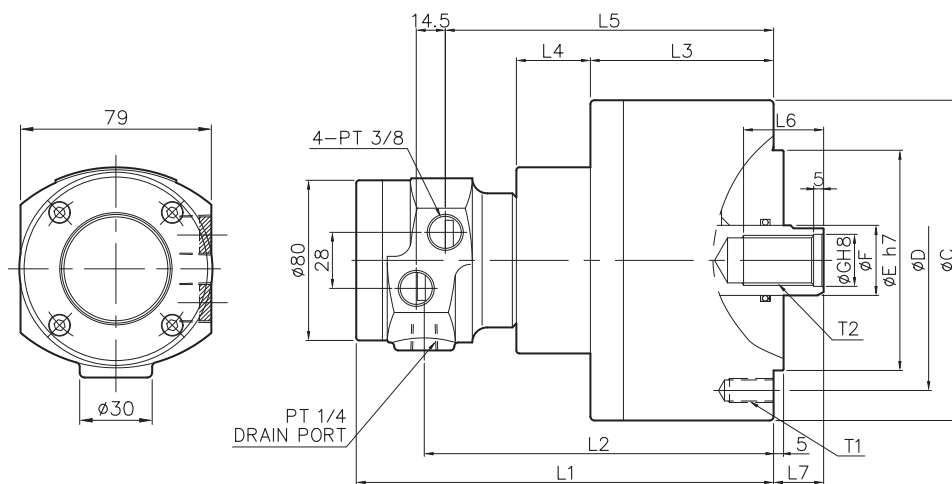
※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



- 안전 확보 • 보수점검이 용이 • 고성능 · 고품질
- Safety Guaranteed • Easy Repair & Check
 • High Performance and High Quality
- 安全確保 • 補修点檢が容易 • 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/外刑图/외형도



※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

Specifications/规格/仕様表/사양표

Spec.사양 Model형식	Order NO. 오더번호	Cylinder Dia 실린더내경 mm	Piston stroke 피스톤스트로크 mm	Piston surface area 피스톤 단면적 cm²		Max. Draw bar pull 실린더 추력 KN(kgf)	
				Push 압축	Pull 인축	Push 압축	Pull 인축
YASC-100	2ASC10	105	20	86.5	79.5	31.8(3244)	29.3(2989)
YASC-125	2ASC12	130	25	132.5	123.0	48.8(4978)	45.3(4621)
YASC-150	2ASC15	150	30	176.0	160.0	64.8(6610)	60.0(6120)
YASC-200	2ASC20	205	35	330.0	306.0	121.6(12404)	112.8(11505)
YASC-250	2ASC25	250	60	490.2	457.7	79(18400)	169(17200)

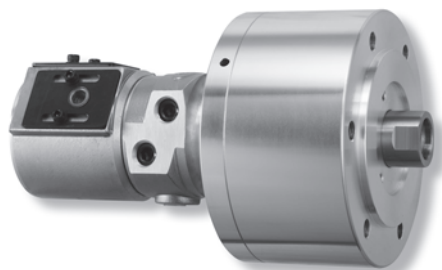
Spec. 사양	Max. operating pressure 최고사용유압력	Max. permissible speed 최고사용회전수	Total leakage 총드레인량	Weight 중량	GD ² Moment of inertia N·m ² (kgf·m ²)	Matching chuck 적용척
Model 형식	kgf/cm ²	r.p.m (min ⁻¹)	ℓ /min	kg		
YASC-100	40.8	6000	1.0	7.0	0.49(0.05)	CAS-06
YASC-125	40.8	6000	1.0	9.8	0.88(0.09)	CAS-08, CAS-10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

Dimension/尺寸/寸法表/치수표

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

※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



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

※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

Specifications/规格/仕様表/사양표

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

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 kgf/cm^2	Max. permissible speed 최고사용회전수 $\text{r.p.m}(\text{min}^{-1})$	Total leakage 총드레인량 ℓ/min	Weight 중량 kg	GD ² Moment of inertia $\text{N}\cdot\text{m}^2(\text{kgf}\cdot\text{m}^2)$	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



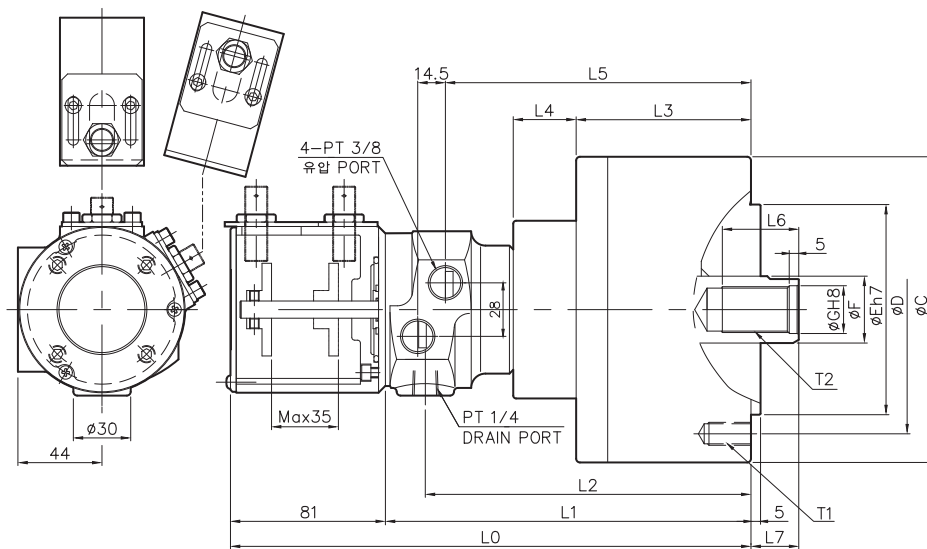
- • 복합적인 구조 • 소형 경량화 • 고성능 · 고품질
- • Combined Structures • Small size & Light Weight
- • High Performance and High Quality
- • 複合的な構造 • 小型軽量化 • 高性能, 高品質
- • 复合结构 • 体积小, 重量轻 • 性能优, 质量好

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

Specifications/规格/仕様表/ 사양표

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

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 kgf/cm ²	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
YAST-100	40.8	6000	1.0	7.5	0.49(0.05)	CAS-06
YAST-125	40.8	6000	1.0	10.3	0.88(0.09)	CAS-08, CAS-10
YAST-150	40.8	5500	1.0	13.8	1.47(0.15)	CAS-10, CAS-12
YASTL-150	40.8	5500	1.0	15.5	-	CAS-15 이상
YAST-200	40.8	5500	1.0	22.2	3.62(0.37)	CAS-15 이상
YAST-200S	40.8	5500	1.0	24	0.42(0.05)	CAS-15 이상
YASTL-200	40.8	5500	1.0	24	0.42(0.05)	CAS-15 이상
YASTL-200S	40.8	5500	1.0	26	-	CAS-15 이상
YAST-245	40.8	2000	1.0	38	-	CAS-40, 50, 63
YAST-250	40.8	2000	1.0	38	-	CAS-40, 50, 63
YAST-250S	40.8	2000	1.0	38	-	CAS-40, 50, 63



Dimension/尺寸/寸法表/치수표

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

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

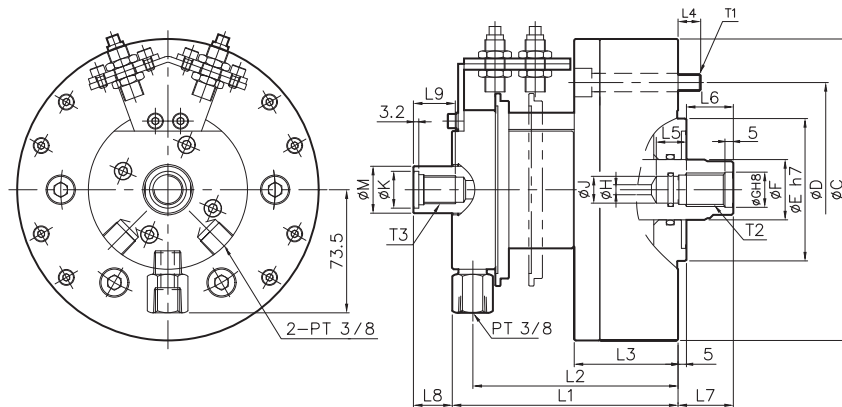
※ 치수 및 사양은 예고없이 변경될 수 있습니다.

※ Specifications are subject to change without notice.



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

Outward Drawing/外型图/外刑图/외형도



※ 허용 최고 회전속도는 실측치에 준함.

※ Maximum turning speed is based on actual measurement.

Specifications/规格/仕様表/사양표

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

Spec.사양 Model형식	Max. operating pressure 최고사용유압력 kgf/cm ²	Max. permissible speed 최고사용회전속 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
YMS-105-15	40.8	6000	1.0	11.0	1.52(0.16)	CAS-06
YMS-120-20	40.8	5000	1.0	11.8	2.11(0.22)	CAS-08
YMS-135-20	40.8	5000	1.0	13.2	3.20(0.33)	CAS-08, CAS-10
YMS-140-25	40.8	5000	1.0	14.5	3.92(0.40)	CAS-10, CAS-12
YMS-150-35	40.8	4200	1.0	17.5	4.60(0.47)	CAS-12

Dimension/尺寸/寸法表/치수표

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

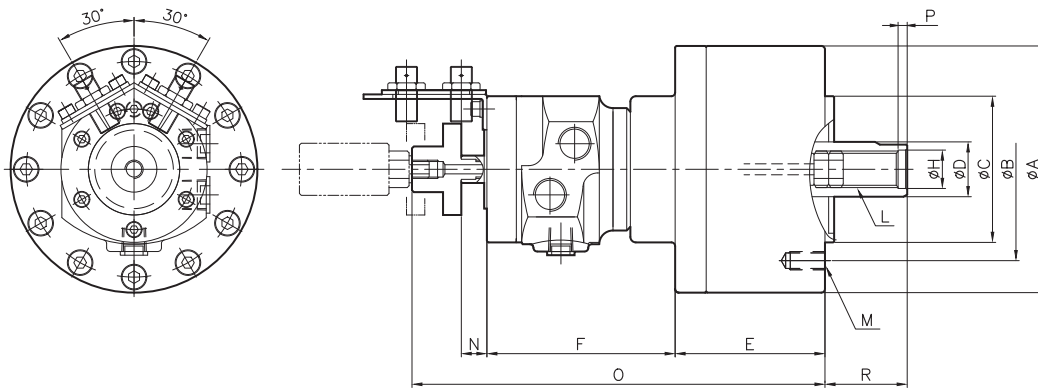
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※ Specifications are subject to change without notice.



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

Outward Drawing / 外型图 / 外刑图 / 외형도



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

Specifications / 规格 / 仕様表 / 사양표

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

Spec.사양	Max. operating pressure 최고사용유압력 kgf/cm ²	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
Model형식						
YTRC100	40.8	6000	1	8	0.49(0.050)	CAS-06
YTRC125	40.8	5000	1	10.5	0.88(0.09)	CAS-08, CAS-10
YTRC140	40.8	4500	1	11.3	1.57(0.16)	CAS-10, CAS-12
YTRC200	40.8	4000	1	22.3	4.51(0.46)	CAS-15이상
YTRC250	40.8	3500	1	25.2	8.33(0.85)	CAS-40, 50, 63

Dimension / 尺寸 / 寸法表 / 치수표

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

※ 치수 및 사양은 예고없이 변경될 수 있습니다.
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