

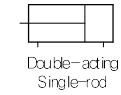
소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES



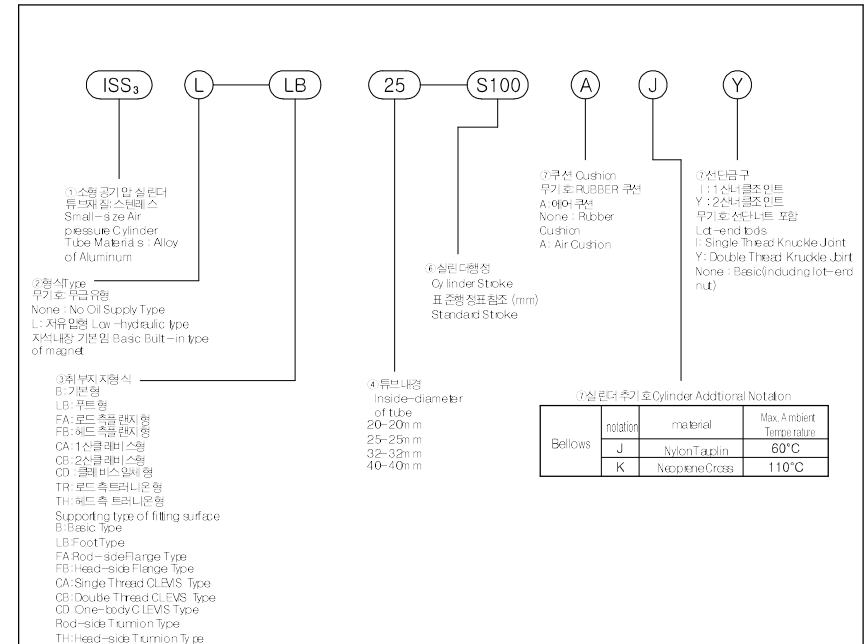
소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

일반형: Ø20, Ø25, Ø32, Ø40 General Type : Ø 20, Ø 25, Ø 32, Ø 40

표시기호 Notation



형식표시 방법 Method for model Indication



소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

형식 및 사양 기타 Type and Other Specifications

ISS₃ 시리즈의 특징 Features of ISS₃ SERIES

- 실린더 부품의 정도 및 패킹현상 재질을 개선하여 내마모 성능을 향상시킴으로써 ISS₃ 시리즈 전사양 무급유형으로 제작되었다.
- 기존 ISS₂ 시리즈보다 몸체의 중량 및 크기를 줄여 부착공간을 줄였다.
- 로트카바와 헤드카바의 4면 폭이 넓어짐으로 부착이 편리하다.
- This series improved the wearing resistance, materials of packing and cylinder parts. So, ISS₃ SERIES is made as oilless type.
- The weight and size of body are smaller than those of Former ISS₂ series and the mounting space is also reduced.
- 4 side breadth of Lo t cover and head cover are widened, so mounting is easy.

형식 Type

Notation	Type	Working Method	Piston packing	Remarks
ISS ₃	No Oil Supply	Double-acting Type	Special Packing	Basic Butting Mount Type
ISS ₃ L	Low Hydraulic Type	Double-acting Type	Special Packing	I-D(mm)

사양 Specification

형식 Type	무급유형 No Oil Supply	저유압형 Low Hydraulic Type
사용유체 Working Oil	공기 Air	유압유 Hydraulic Working Oil
보상압력 Baring pressure	15kgf/cm ²	
최고사용압력 Max. set pressure	9.9kgf/cm ²	
최저설정압력 Min. set pressure	0.5kgf/cm ²	1.0kgf/cm ²
주요온도 Ambient	-10~70°C	
사용속도 Working Speed	50~700mm/sec	0.5~300mm/sec
쿠션 Cushion	RUBBER Cushion	
나사공차 Screw Tolerance	ISO2급 2nd IS level	
행정길이인 허용차 Allowance of stroke length	~250 ⁺⁰ / _{-0.1}	251~500 ^{+0.1} / _{-0.15}

부착형식 및 부품품 Mounted Type and Parts

Mounted Type	Parts	Basic Parts			Special Option		
		Mounted-nut	Rod Lot-end Nut	Pin for CLEVIS	Single Knuke Joint	Double Knuke Joint	Belows
기본형 Basic Type(B)	● 1개(EA)	●	-	-	●	●	●
푸트형 Foot Type(LB)	● 2개(EA)	●	-	-	●	●	●
로드측 플랜지형 Rod-side Flange Type(FA)	● 1개(EA)	●	-	-	●	●	●
헤드측 플랜지형 Head-side Flange Type(FB)	● 1개(EA)	●	-	-	●	●	●
크레비스일체형 CLEVIS Single-body Type(CD)	-	●	-	-	●	●	●
1선물레비스형 Single Thread CLEVIS Type(CA)	-	●	-	-	●	●	●
2선물레비스형 Double Thread CLEVIS Type(CB)	-	●	-	-	●	●	●
헤드측 트러니온형 Head-side Trunnion Type(TH)	● 1개(EA)	●	-	-	●	●	●
로드측 트러니온형 Rod-side Trunnion Type(TR)	● 1개(EA)	●	-	-	●	●	●
COMPACT 보스컷기반형 COMPACT Both cut Basic Type(BC)	● 1개(EA)	●	-	-	●	●	●
COMPACT 보스컷플랜지형 COMPACT Both cut Flange Type(FC)	● 1개(EA)	●	-	-	●	●	●

*부착형식은 크레비스 일체형, 1선물레비스형은 없음
 *No main mounting nut, CLEVIS one-body type, single thread CLEVIS type and double thread CLEVIS type

표준행정표 Standard Stroke Table

I-D(mm)	Standard Stroke	Max. Stroke Range
φ20	25, 50, 75, 100, 125, 150, 200, 250, 300	500
φ25		
φ32		
φ40		

*500행정이상과 경우별도 문의바람. *Ask for over 500 stroke.

선단 금구 품번 Lot-end No.

I-D(mm)	20	25, 32	40
1선물레비스형 Single Thread Knuke Joint	ISS ₃ -20 I	ISS ₃ -25/32 I	ISS ₃ -40 I
2선물레비스형 Double Thread Knuke Joint	ISS ₃ -20 Y	ISS ₃ -25/32 Y	ISS ₃ -40 Y

*ISS₃ 40용 선단금구는 동형시리즈 ISS₂와 동일함. *Lot-end of ISS₃ 40 is same with ISS₂ Series ISS₂

지지 금구 부품 품번 Supporting Parts No.

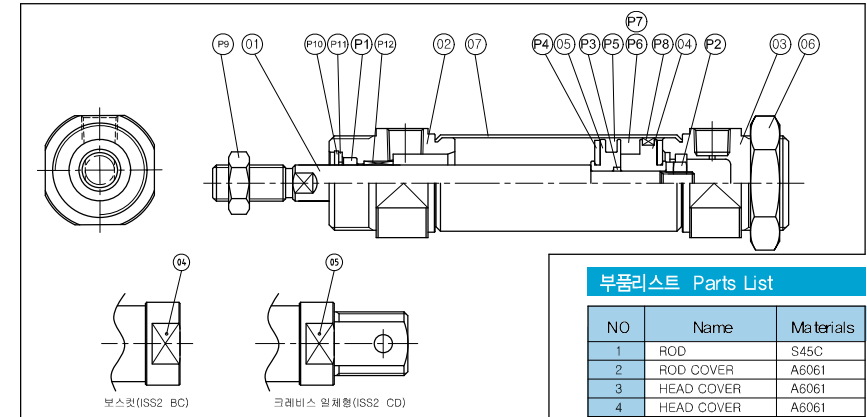
I-D(mm)	20	25, 32	40
푸트형 Rod Type	ISS ₃ -LB20	ISS ₃ -LB25/32	ISS ₃ -LB40
플랜지형 Flange Type	ISS ₃ -F20	ISS ₃ -F25/32	ISS ₃ -F40
1선물레비스형 Single Thread CLEVIS Type	ISS ₃ -CA20	ISS ₃ -CA25/32	ISS ₃ -CA40
2선물레비스형 Double Thread CLEVIS Type	ISS ₃ -CB20	ISS ₃ -CB25/32	ISS ₃ -CB40
트러니온형 Trunnion Type	ISS ₃ -T20	ISS ₃ -T25/32	ISS ₃ -T40

*푸트 금구 주문시 다른문의 경우 2개를 주문함바람.
 *Should order 2 of Foot for remachine

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

내부 구조도, 일반형(B) Inside Structure Drawings, General Type(B)

내부 구조도 Inside Structure Drawings



부품리스트 Parts List

NO	Name	Materials
1	ROD	S45C
2	ROD COVER	A6061
3	HEAD COVER	A6061
4	HEAD COVER	A6061
5	HEAD COVER	A6061
6	WEARING	ACETAL
7	TUBE	SUS304
8	PISTON LOCK NUT	S10C
9	PISTON	A2024
10	MAGNET	STEEL
11	SPRING WASHER	SCM4
12	SLEEVE	BSBM
13	DEMPER	URETHANE
14	OILLESS	CU+OIL

일반(무급유)형 General(Oiless) Type

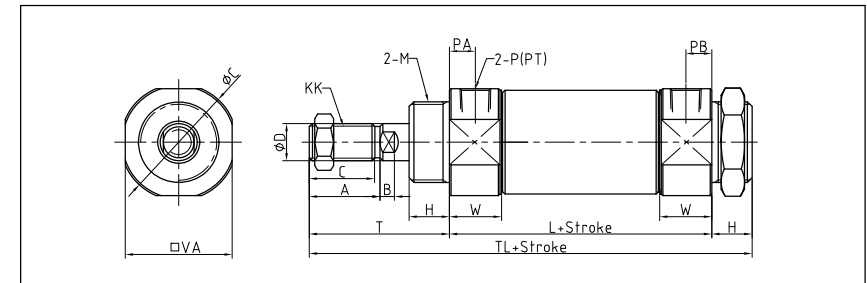
15	ROD PACKING	NBR	DRP10	DRP12	DRP12	DRP16
16	ROD O-RING	NBR	S6	S8	S8	S10
17	PISTON PACKING	NBR	PSD20	PSD25	PSD32	PSD40

저유압형 Low Hydraulic Type

18	PISTON PACKING	NBR	HSD 20	HSD 25	PSD 32	HSD 40
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일반형 (B) General Type(B)

■ Oilless Type ISS₃-B / Low Hydraulic Type ISS₃ L-B



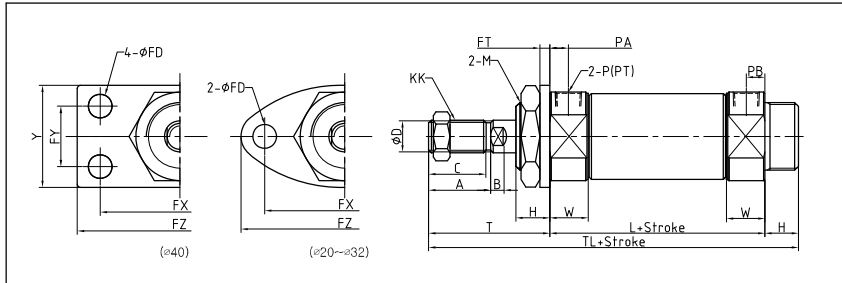
단위 unit:mm

I-D(mm)	Stroke Range	C	A	B	φC	φD	H	KK	L	M	PA	PB	P(PT)	T	TL	φVA	W
20	~300	16.5	18	5.0	27	10	13	M8X1.25	62	M20X1.5	8	8	1/8	41	116	24	14.2
25	~300	20.5	22	5.5	33	12	13	M10X1.25	62	M26X1.5	8	8	1/8	45	120	30	14.2
32	~300	20.5	22	5.5	37.5	12	13	M10X1.25	64	M26X1.5	8	8	1/8	45	122	34.5	14.8
40	~300	22.5	24	7.5	46.5	16	16	M14X1.50	88	M32X2.0	11	11	1/4	50	154	42.5	21

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

일반형(FA, FB) General Type(FA, FB)

로드측 플랜지형(FA) Rod-side Flange Type(FA) ■ Oilless Type ISS₃-FA / Low Hydraulic Type ISS₃ L-FA

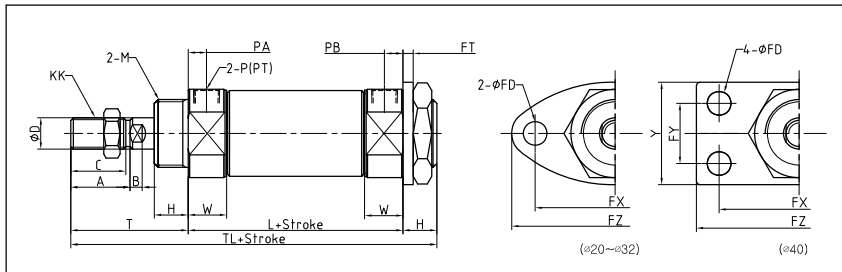


단위 unit : mm

I-D(mm)	Stroke Range	C	A	B	φD	φFD	FT	FX	FY	FZ	H	KK	L	M	PA	PB
20	~400	15.5	18	5.0	10	7	3.2	60	-	75	13	M8X1.25	62	M20X1.5	8	8
25	~450	19.5	22	5.5	12	7	4.5	60	-	75	13	M10X1.25	62	M26X1.5	8	8
32	~450	19.5	22	5.5	12	7	4.5	60	-	75	13	M10X1.25	64	M26X1.5	8	8
40	~500	21.0	24	7.5	16	7	4.5	66	36	82	16	M14X1.50	88	M32X2.0	11	11

I-D(mm)	P(PB)	T	TL	W	Y
20	1/8	41	116	14.2	40
25	1/8	45	120	14.2	42
32	1/8	45	122	14.8	42
40	1/4	50	154	21	52

헤드측 플랜지형(FB) Head-side Flange Type(FB) ■ Oilless Type ISS₃-FB / Low Hydraulic Type ISS₃ L-FB



단위 unit : mm

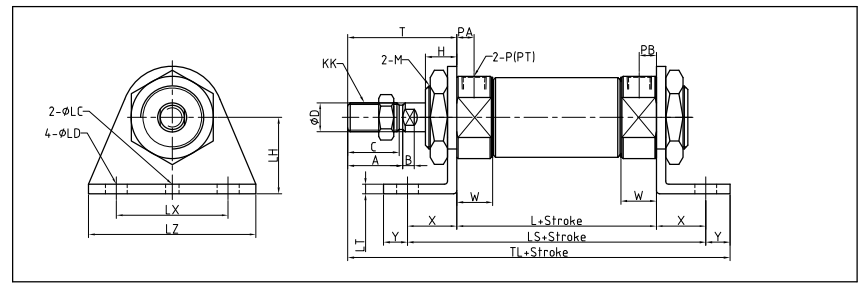
I-D(mm)	Stroke Range	C	A	B	φD	φFD	FT	FX	FY	FZ	H	KK	L	M	PA	PB
20	~400	15.5	18	5.0	10	7	3.2	60	-	75	13	M8X1.25	62	M20X1.5	8	8
25	~450	19.5	22	5.5	12	7	4.5	60	-	75	13	M10X1.25	62	M26X1.5	8	8
32	~450	19.5	22	5.5	12	7	4.5	60	-	75	13	M10X1.25	64	M26X1.5	8	8
40	~500	21.0	24	7.5	16	7	4.5	66	36	82	16	M14X1.50	88	M32X2.0	11	11

I-D(mm)	P(PB)	T	TL	W	Y
20	1/8	41	116	14.2	40
25	1/8	45	120	14.2	42
32	1/8	45	122	14.8	42
40	1/4	50	154	21	52

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

일반형(LB, CA) General Type(LB, CA)

푸트형(LB) Foot Type(LB) ■ Oilless Type ISS₃-LB / Low Hydraulic Type ISS₃ L-LB

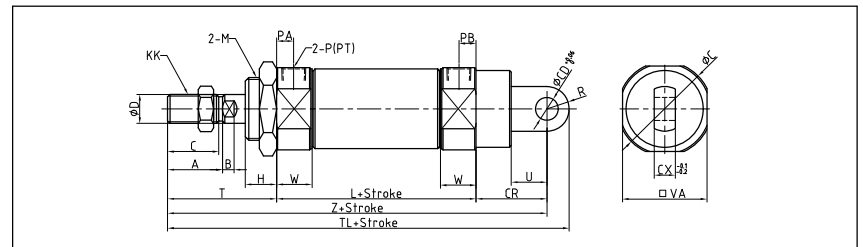


단위 unit : mm

I-D(mm)	Stroke Range	C	A	B	φD	H	KK	L	φLC	φLD	LH	LS	LT	LX	LZ	M
20	~400	15.5	18	5.0	10	13	M8X1.25	62	4	6.8	25	102	3.2	40	55	M20X1.5
25	~450	19.5	22	5.5	12	13	M10X1.25	62	4	6.8	28	102	3.2	40	55	M26X1.5
32	~450	19.5	22	5.5	12	13	M10X1.25	64	4	6.8	28	104	3.2	40	55	M26X1.5
40	~500	21.0	24	7.5	16	16	M14X1.50	88	4	7.0	30	134	3.2	55	75	M32X2.0

I-D(mm)	PA	PB	P(PB)	T	TL	W	X	Y
20	8	8	1/8	41	131	14.2	20	8
25	8	8	1/8	45	135	14.2	20	8
32	8	8	1/8	45	137	14.8	20	8
40	11	11	1/4	50	173	21	23	12

1산 클레비스형(CA) Single-Thread CLEVIS Type ■ Oilless Type ISS₃-CA / Low Hydraulic Type ISS₃ L-CA



단위 unit : mm

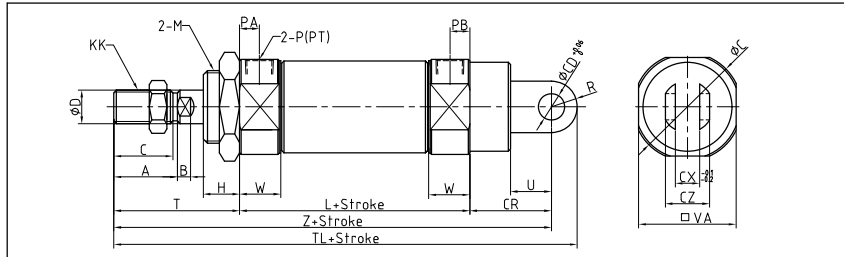
I-D(mm)	Stroke Range	C	A	B	φC	φCD	CR	CX	φD	H	KK	L	M	PA	PB	P(PT)
20	~300	15.5	18	5.0	27	9	30	10	10	13	M8X1.25	62	M20X1.5	8	8	1/8
25	~300	19.5	22	5.5	33	9	30	10	12	13	M10X1.25	62	M26X1.5	8	8	1/8
32	~300	19.5	22	5.5	37.5	9	30	10	12	13	M10X1.25	64	M26X1.5	8	8	1/8
40	~300	21.0	24	7.5	46.5	10	90	15	16	16	M14X1.50	88	M32X2.0	11	11	1/4

I-D(mm)	R	T	TL	U	φVA	W	Z
20	9	41	142	14	24	14.2	133
25	9	45	146	14	30	14.2	137
32	9	45	148	14	34.5	14.8	139
40	11	50	188	18	42.5	21	177

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

일반형(CB, CD) General Type(CB, CD)

2산 클레비스형(CB) Double-Thread CLEVIS Type ■ Oilless Type ISS₃-CB / Low Hydraulic Type ISS₃ L-CB

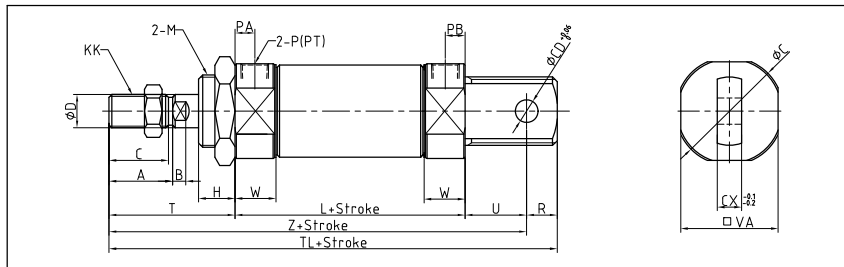


단위 unit : mm

I-D(mm)	Stroke Range	C	A	B	ØC	ØCD	CR	CX	CZ	ØD	H	KK	L	M	PA	PB
20	~300	15.5	18	5.0	27	9	30	10	19	10	13	M8X1.25	62	M20X1.5	8	8
25	~300	19.5	22	5.5	33	9	30	10	19	12	13	M10X1.25	62	M26X1.5	8	8
32	~300	19.5	22	5.5	37.5	9	30	10	19	12	13	M10X1.25	64	M26X1.5	8	8
40	~300	21.0	24	7.5	46.5	10	39	15	30	16	16	M14X1.50	88	M32X2.0	11	11

I-D(mm)	P(PT)	R	T	TL	U	ØVA	W	Z
20	1/8	9	41	142	14	24	14.2	133
25	1/8	9	45	146	14	30	14.2	137
32	1/8	9	45	148	14	34.5	14.8	139
40	1/4	11	50	188	18	42.5	21	177

클레비스 일체형(CD) CLEVIS one-body type ■ Oilless Type ISS₃-CD / Low Hydraulic Type ISS₃ L-CD



단위 unit : mm

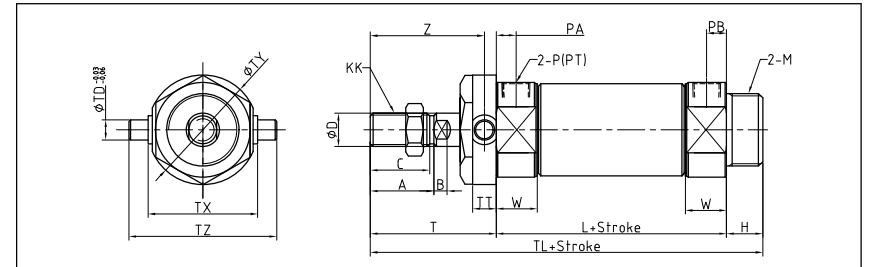
I-D(mm)	Stroke Range	C	A	B	ØC	ØCD	CX	ØD	H	KK	L	M	PA	PB	P(PT)	R
20	~300	15.5	18	5.0	27	8	12	10	13	M8X1.25	62	M20X1.5	8	8	1/8	9
25	~300	19.5	22	5.5	33	8	12	12	13	M10X1.25	62	M26X1.5	8	8	1/8	9
32	~300	19.5	22	5.5	37.5	10	20	12	13	M10X1.25	64	M26X1.5	8	8	1/8	12
40	~300	21.0	24	7.5	46.5	10	20	16	16	M14X1.50	88	M32X2.0	11	11	1/4	12

I-D(mm)	T	TU	U	ØVA	W	Z
20	41	124	12	24	14.2	115
25	45	128	12	30	14.2	119
32	45	136	15	34.5	14.8	124
40	50	165	15	42.5	21	153

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

일반형(TR, TH) General Type(TR, TH)

로드측 트리온형(TR) Rod-side Trinion Type ■ Oilless Type ISS₃-TR / Low Hydraulic Type ISS₃ L-TR

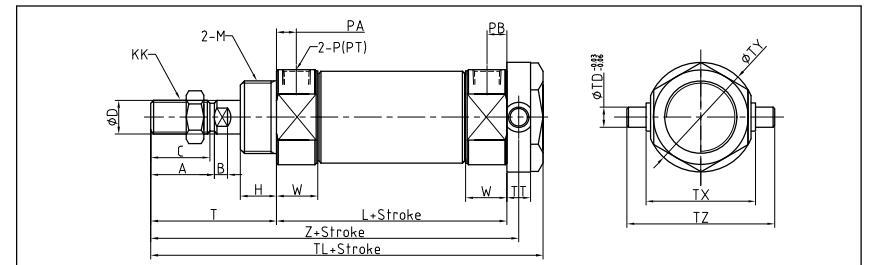


단위 unit : mm

I-D(mm)	Stroke Range	C	A	B	ØD	H	KK	L	M	P(PT)	PA	PB	T	ØTD	TL	TT
20	~300	15.5	18	5.0	10	13	M8X1.25	62	M20X1.5	1/8	8	8	41	8	116	10
25	~300	19.5	22	5.5	12	13	M10X1.25	62	M26X1.5	1/8	8	8	45	9	120	10
32	~300	19.5	22	5.5	12	13	M10X1.25	64	M26X1.5	1/8	8	8	45	9	122	10
40	~300	21.0	24	7.5	16	16	M14X1.50	88	M32X2.0	1/4	11	11	50	10	154	11

I-D(mm)	TX	ØTY	TZ	W	Z
20	32	32	52	14.2	36
25	40	40	60	14.2	40
32	40	40	60	14.8	40
40	53	53	77	21	44.5

헤드측 트리온형(TH) Head-side Trinion Type ■ Oilless Type ISS₃-TH / Low Hydraulic Type ISS₃ L-TH



단위 unit : mm

I-D(mm)	Stroke Range	C	A	B	ØD	H	KK	L	M	P(PT)	PA	PB	T	ØTD	TL	TT
20	~300	15.5	18	5.0	10	13	M8X1.25	62	M20X1.5	1/8	8	8	41	8	118	10
25	~300	19.5	22	5.5	12	13	M10X1.25	62	M26X1.5	1/8	8	8	45	9	122	10
32	~300	19.5	22	5.5	12	13	M10X1.25	64	M26X1.5	1/8	8	8	45	9	124	10
40	~300	21.0	24	7.5	16	16	M14X1.50	88	M32X2.0	1/4	11	11	50	10	154	11

I-D(mm)	TX	ØTY	TZ	W	Z
20	32	32	52	14.2	108
25	40	40	60	14.2	112
32	40	40	60	14.8	114
40	53	53	77	21	143.5

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

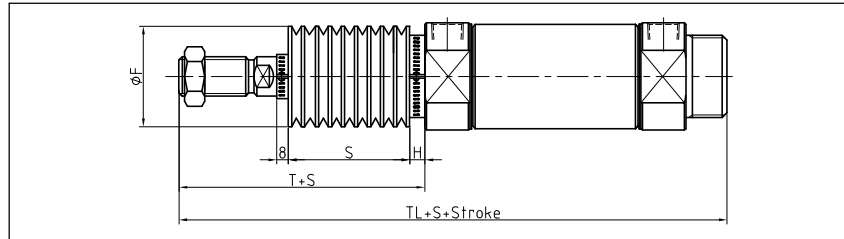
벨로우즈 부착형,일반형(BC) Bellows-Mounted Type, General Type(BC)

■ 벨로우즈 부착형 / Bellows-Mounted Type

형식 표시 방법 Indication of Model

ISS₃ 형식 Type 부착형식/ Mounted-type 튜브내경/ I-D(mm) X 형식 Type J 선단금구 / Lot-end

벨로우즈 부착 / Bellows-mounted type
J: 나일론 타포린(Nylon/Tarpaulin)
K: 네오프렌크로스(Neoprene Cross)



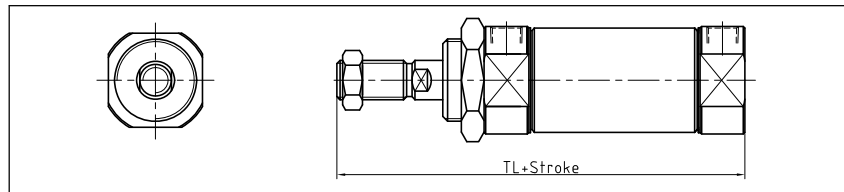
단위 unit : mm

I-D(mm)	ØF	H	T	S	TL
20	36	14	56	0.3 Stroke+3	131
25	36	14	60		135
32	36	14	60		137
40	40	16	67	0.25 Stroke+3	171

*기타 표기하지 않은 치수는 ISS3일반형과 동일
* Dimension which is not indicated is same with general type of ISS₃ SERIES

형식 표시 방법 Indication of Model

ISS₃ BC 튜브내경 I-D(mm) X 행정 / Stroke



*헤드 측카버의 나사부 분을 제거하여 전체길이를 축소시킨 타입으로 공간의 축소를 실현하였다.
* Reduced whole length by removing screw part of Head-side cover. Saved the space.

단위 unit : mm

COMPACT(Bath cut Type)	
I-D(mm)	TL
20	103
25	107
32	109
40	138

*기타 표기하지 않은 치수는 ISS3일반형과 동일
* Dimension which is not indicated is same with general type of ISS₃ SERIES

단위 unit : mm

Comparison of Whole Dimensions(with General Type)			
Ø20	Ø25	Ø32	Ø40
-13	-13	-13	-16

부착형식: 기본형, 로드측 플랜지형, 로드측 트러니언형
Mounted type: Basic type, Rod-side Flange type, Rod-side Trunnion type

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

앙로드형 Double-rod Type

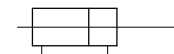
형식 표시 방법 Indication of Model

ISS₃ W 부착형식 / Mounted-type 튜브내경 / I-D(mm) X 행정 / Stroke 추가표기 / Additional Notation 선단금구 / Lot-end

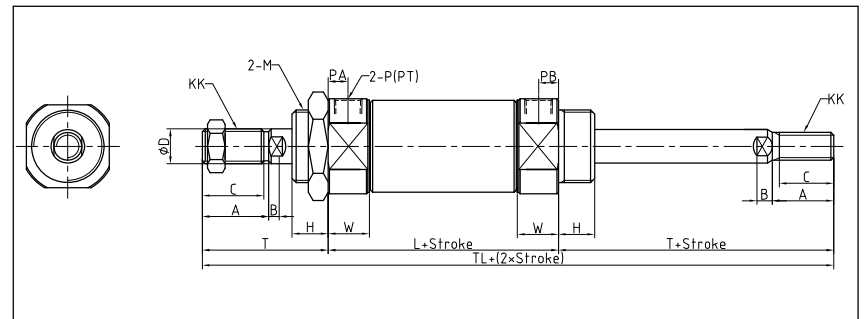
사양 Specification

형식 Type	Oilestype
작동방식 Working Type	복동앙로드 Double-Acting Double-rod type
사용유체 Fluid	공기 Air
보충내압력 Bearing pressure	15kgf/cm ²
최고사용압력 Max. set pressure	9.9kgf/cm ²
최저사용압력 Min. set pressure	0.5kgf/cm ²
주위온도 Ambient	-10°C~+70°C
급유 Oil Supply	불필요 None
나사공차 Screw Tolerance	KS2급 2nd KS Level
행정오차 허용치 Allowance of Stroke Length	+1.4 0

표시호 Notation



외형 치수도/기본형 Outside Dimension Drawings/Basic Type



단위 unit : mm

I-D(mm)	Stroke Range	C	A	B	ØD	H	KK	L	M	P(PD)	PA	PB	T	TL	W
20	~300	15.5	18	5.0	10	13	M8X1.25	62	M20X1.5	1/8	8	8	41	144	15
25	~300	19.5	22	5.5	12	13	M10X1.25	62	M26X1.5	1/8	8	8	45	152	15
32	~300	19.5	22	5.5	12	13	M10X1.25	6	M26X1.5	1/8	8	8	45	154	15
40	~300	21.0	24	7.5	16	16	M14X1.5	88	M32X2.0	1/4	11	11	50	188	21

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

다단 행정 양로드형 Multiple-end Stroke Double-rod Type

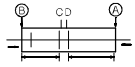
형식표시방법 Indication of Model

ISS₃ 부착형식 mounting type 튜브내경 I-D(mm) A행정 / StrokeA + B행정 / StrokeB TW

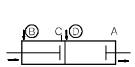
*ISS₃ 시리즈 일반형 형식 표기 방법 참조 Refer to method for indication of general type of ISS₃ series.
헤드측을 조합, 2개의 실린더를 일체 화시켜 실린더 행정을 양쪽과 더불어 3단계로 제어할 수 있다.
Assemble Head-side, make one body the Cylinder, conduct double Cylinder Stroke and control it by 3 steps.

표시기호 Notation

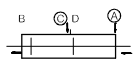
기능 Function



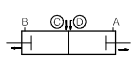
(A/B 포트에 공기압을 공급하면 A/B행정은 후진한다.
When supply Air pressure to A/B Port, A/B Stroke do backward motion.



(B/D 포트에 공기압을 공급하면 A행정이 작동한다.
When supply Air pressure to B/D Port, A Stroke works.



(A/C 포트에 공기압을 공급하면 B행정이 작동한다.
When supply Air pressure to A/C Port, B Stroke works.

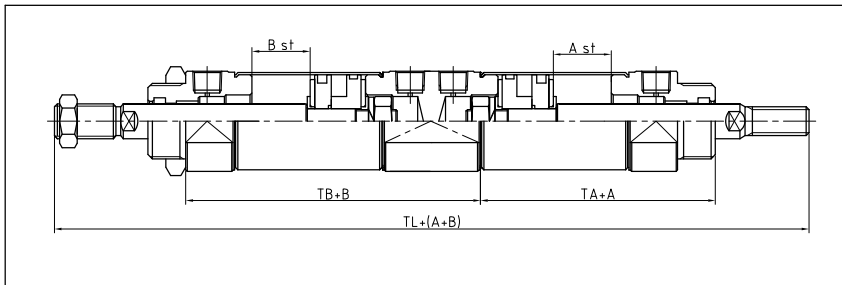


(C/D 포트에 공기압을 공급하면 A/B행정이 작동한다.
When supply Air pressure to C/D Port, A/B Stroke works.

사양 Specification

형식 Type	무공유형 No Oil Supply
사용유체 Working Oil	공기 Air
보충내압력 Bearing pressure	15kgf/cm ²
최고사용압력 Max. set pressure	9.9kgf/cm ²
최저사용압력 Min. set pressure	0.5kgf/cm ²
사용피스톤 속도 Speed of Working Piston	50~750mm/sec
작동방식 Working Type	복동 Double-acting
쿠션 Cushion	RUBBER Cushion
부착형식 Mounted Type	기본형, 푸트형, 플랜지형 Basic Type, Foot Type, Flange Type
적용브네링 Applied inside-diameter of tube	Ø20, Ø25, Ø32, Ø40
행정 A, B Stroke A, B	~300mm

외형 치수도/기본형 Outside Dimension Drawings/Basic Type



단위 unit : mm

I-D(mm)	TA	TB	TL
20	47	78	207
25	47	78	215
32	49	80	219
40	66.5	110.5	277

*기타 표기하지 않은 치수는 ISS3일반형과 동일
Dimension which is not indicated is same with general type of ISS₃ SERIES

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

다단 행정 편로드형 Multiple-end Stroke Single-rod Type

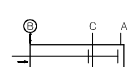
형식표시방법 Indication of Model

ISS₃ 부착형식 mounting type 튜브내경 I-D(mm) A행정 / StrokeA + B행정 / StrokeB TS

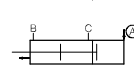
*ISS₃ 시리즈 일반형 형식 표기 방법 참조 Refer to method for indication of general type of ISS₃ series.
두개의 실린더를 축적으로 연결, 일체화 하여 실린더 행정을 양쪽과 더불어 2단계로 제어 가능하고, 2개의 실린더 출력을 얻을 수 있다.
Connect two cylinder series, make one body, then, can control cylinder stroke by two steps with round tip and get twice more outputs.

표시기호 Notation

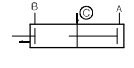
기능 Function



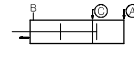
(A/B 포트에 공기압을 공급하면 A/B행정은 후진한다.
When supply Air pressure to A/B Port, A/B Stroke do backward motion.



(A/B 포트에 공기압을 공급하면 로드와 A행정이 작동한다.
When supply Air pressure to A/B Port, A Stroke works.



(C/D 포트에 공기압을 공급하면 B-A행정이 작동한다.
When supply Air pressure to C/D Port, B-A Stroke works.

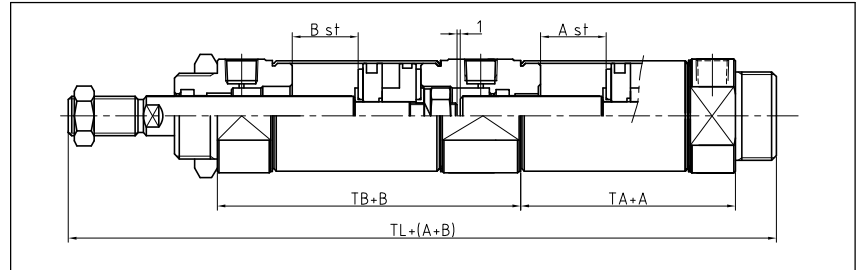


(A/C 포트에 공기압을 공급하면 A행정의 범위 중에 2개의 출력이 얻어진다.
When supply Air pressure to both A and C ports, can get twice more outputs at A stroke range.

사양 Specification

형식 Type	무공유형 No Oil Supply
보충내압력 Bearing pressure	15kgf/cm ²
최고사용압력 Max. set pressure	9.9kgf/cm ²
최저사용압력 Min. set pressure	0.5kgf/cm ²
사용피스톤 속도 Speed of Working Piston	50~750mm/sec
작동방식 Working Type	복동 Double-acting
쿠션 Cushion	RUBBER Cushion
부착형식 Mounted Type	기본형, 푸트형, 플랜지형 Basic Type, Foot Type, Flange Type
적용브네링 Applied inside-diameter of tube	Ø20, Ø25, Ø32, Ø40
행정 A, B Stroke A, B	~300mm

외형 치수도/기본형 Outside Dimension Drawings/Basic Type



단위 unit : mm

I-D(mm)	TA	TB	TL
20	48	62	164
25	48	62	168
32	50	64	172
40	67.5	88.5	222

*기타 표기하지 않은 치수는 ISS2일반형과 동일
Dimension which is not indicated is same with general type of ISS₂ SERIES

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

가변 행정 실린더형/전진시 조정형 Variable Stroke Cylinder Type/Control type of Forward Motion

형식표시방법 Indication of Model

ISS₃ 부착형식 mounting type 튜브내경 I-D(mm) X 행정/Stroke 선단금구 Lot-end 행정조정기 Stroke Control SJ

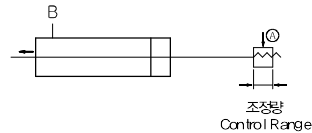
*실린더 전진시 행정을 전진 행정에서 0~50mm까지 가변 조정 가능, 레드측에 행정조정기구를 부착하여 전진시의 행정을 조정한다.
*Can control variably Stroke at Cylinder Forward-motion from whole stroke to 0~50mm. Also, can control stroke at forward-motion by mounting stroke controller to lead-side.

A: 0~25mm 조정 범위 Control Range
B: 0~50mm 조정 범위 Control Range

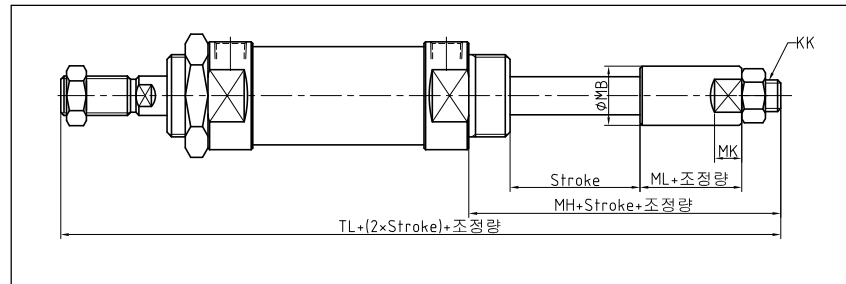
사양 Specification

형식 Type	무급유형 No Oil Supply
보충내압력 Bearing pressure	15kgf/cm ²
최고사용압력 Max. set pressure	9.9kgf/cm ²
최저사용압력 Min. set pressure	0.5kgf/cm ²
사용피스톤 속도 Speed of Working Piston	50~750mm/sec
작동방식 Working Type	스톱퍼 조정 Control of Stopper
쿠션 Cushion	RUBBER Cushion
행정조정방법 Stroke Control	A: 0~25mm, B: 0~50mm
부착형식 Mounted Type	Basic Type Rod Type Rod-side Flange Type Head-side Flange Type Rod-side Trunion Type
실린더 내부경 Added inside-diameter of Cylinder	Ø20, Ø25, Ø32, Ø40

표시기호 Notation



외형 치수도/기본형 Outside Dimension Drawings/Basic Type



단위 Unit: mm

I-D(mm)	MK	ØMB	KK	MH	ML	TL
20	8	20	M8X1.25	47	18	150
25	10	20	M10X1.25	49	18	156
32	10	20	M10X1.25	49	18	158
40	12	25	M14X1.50	60	22	198

*기타 표시하지 않은 치수는 ISS₃ 일반형 과 동일
Dimension which is not indicated is same with general type of ISS₃ SERIES

소형실린더 ISS₃ 시리즈 SMALL SIZE CYLINDER ISS₃ SERIES

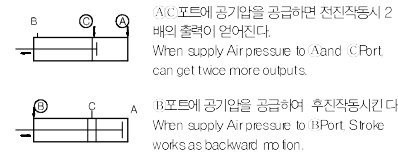
탠덤 실린더/내열용 실린더 Tandem Cylinder/Cylinder for Heat-Resist

형식표시방법 Indication of Model

ISS₃ 부착형식 mounting type 튜브내경 I-D(mm) X 행정 Stroke 선단금구 Lot-end TD

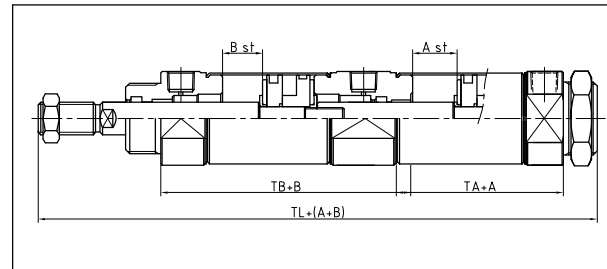
*ISS₃ 시리즈 일반형 형식 표기 방법 참조
*Correct two cylinder by series, then, can get twice more outputs.

표시기호 Notation



사양 Specification

형식 Type	무급유형 No Oil Supply
사용유체 Working Oil	공기 Air
보충내압력 Bearing pressure	15kgf/cm ²
최고사용압력 Max. set pressure	9.9kgf/cm ²
최저사용압력 Min. set pressure	0.5kgf/cm ²
사용피스톤 속도 Speed of Working Piston	50~750mm/sec
작동방식 Working Type	복동 Double-acting
쿠션 Cushion	RUBBER Cushion
부착형식 Mounted Type	기본형 Rod Type Range Type Rod-side Flange Type Head-side Flange Type
실린더 내부경 Added inside-diameter of Cylinder	Ø20, Ø25, Ø32, Ø40
행정 A, B Stroke A, B	~300mm



단위 Unit: mm

I-D(mm)	TA	TB	TL
20	48	62	164
25	48	62	168
32	50	64	172
40	67.5	88.5	222

*기타 표시하지 않은 치수는 ISS₃ 일반형 과 동일
*Dimension which is not indicated is same with general type of ISS₃ SERIES

내열용 실린더 Cylinder for Heat-Resist

ISS₃ 부착형식 mounting type 튜브내경 I-D(mm) X 행정 / Stroke 선단금구 Lot-end SV

*150까지 고온의 주위조건에서 사용가능하게 내열용 패킹류를 장착한 실린더
*It is a cylinder with packing type for heat-Resist. Can use in the high-temperature situation to 150°C.

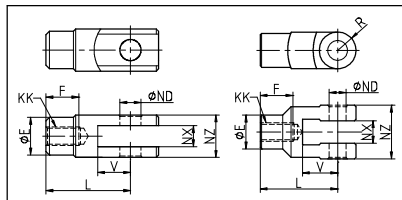
사양 Specification

Type	Oil Supply Type
I-D(mm)	Ø20, Ø25, Ø32, Ø40
Working Temperature	-20~+150°C
Packing Materials	VTION (Fluoric Rubber)

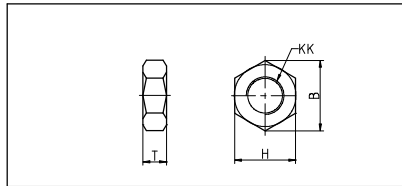
*오토 스위치 부착은 제직 불가능
*Can't make mounted Auto-Switch

부속 금구 Parts-end

2산 너클조인트 Double-Thread Knuckle Joint

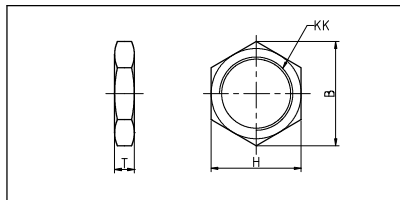


로드너트 Rod nut



I-D(mm)	KK	T	H	B
20	M8X1.25	5	13	15.0
25,32	M10X1.25	6	17	19.6
40	M14X1.50	8	22	25.4

Technical drawing of a stepped shaft. The drawing shows a shaft with a total length L and a central section of length F . The diameter of the central section is d , and the diameter of the outer section is D . The distance from the center of the shaft to the end of the central section is I .

부착용 너트 Mounted Nut

I-D(mm)	KK	T	H	B
20	M20X1.5	7	26	30
25,32	M26X1.5	8	32	37
40	M32X2.0	8	41	47.3

The logo for the International Statistical Congress (ISTC) is centered on the page. It features the letters 'ISTC' in a bold, italicized, sans-serif font. A stylized, elongated triangle or arrow shape is positioned behind the letters, pointing upwards and to the right. The entire logo is enclosed within a thin, light gray oval border.