TPBC

Standard Cylinder 표준 실린더



특징(Features)

- 직경 ø32 ~ 125mm
- 스트로크 25 ~ 1,000mm
- 속도 50 ~ 800 mm/s
- 에어 쿠션

주문코드

TPBC - ① - ② - ③ - ④ - ⑤

01	실린더 직경 (mm)
32	32
40	40
50	50
63	63
80	80
100	100
125	125

02	스트로크 (mm)
25	25
....	....
1000	최대

03	양로드 타입 및 스트로크 조절 범위
무기호	없음
S20	양로드 타입
10	왼쪽
....	....
100	최대

04	자석내장
S	자석 내장
무기호	없음

05	마운트 브라켓
무기호	없음
LB	풋 (L 2개)
FA	플랜지
CA	싱글 클래비스
CB	더블 클래비스
YB	바닥형 클래비스
GA	로드 아이

Bore	표준 스트로크 (mm)																			
32	25	50	75	100	125	150	160	175	200	250	300	350	400	450	500	-	-	-	-	-
40	25	50	75	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	-	-
50	25	50	75	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000
63	25	50	75	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000
80	25	50	75	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000
100	25	50	75	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000
125	25	50	75	100	125	150	160	175	200	250	300	350	400	450	500	600	700	800	900	1000

자주 사용하는 주문코드

모델명(기본형)
TPBC-32-100-S
TPBC-40-100-S
TPBC-50-100-S
TPBC-63-500-S
TPBC-80-500-S
TPBC-100-500-S
TPBC-125-500-S

모델명(풋-마운트)
TPBC-32-100-S-LB
TPBC-40-100-S-LB
TPBC-50-100-S-LB
TPBC-63-500-S-LB
TPBC-80-500-S-LB
TPBC-100-500-S-LB
TPBC-125-500-S-LB

모델명(플랜지-마운트)
TPBC-32-100-S-FA
TPBC-40-100-S-FA
TPBC-50-100-S-FA
TPBC-63-500-S-FA
TPBC-80-500-S-FA
TPBC-100-500-S-FA
TPBC-125-500-S-FA

모델명(싱글 클래비스)
TPBC-32-100-S-CA
TPBC-40-100-S-CA
TPBC-50-100-S-CA
TPBC-63-500-S-CA
TPBC-80-500-S-CA
TPBC-100-500-S-CA
TPBC-125-500-S-CA

모델명(양로드)
TPBC-32-100-S20-S
TPBC-40-100-S20-S
TPBC-50-100-S20-S
TPBC-63-500-S20-S
TPBC-80-500-S20-S
TPBC-100-500-S20-S
TPBC-125-500-S20-S

모델명(로드아이)
TPBC-32-100-S-GA
TPBC-40-100-S-GA
TPBC-50-100-S-GA
TPBC-63-500-S-GA
TPBC-80-500-S-GA
TPBC-100-500-S-GA
TPBC-125-500-S-GA

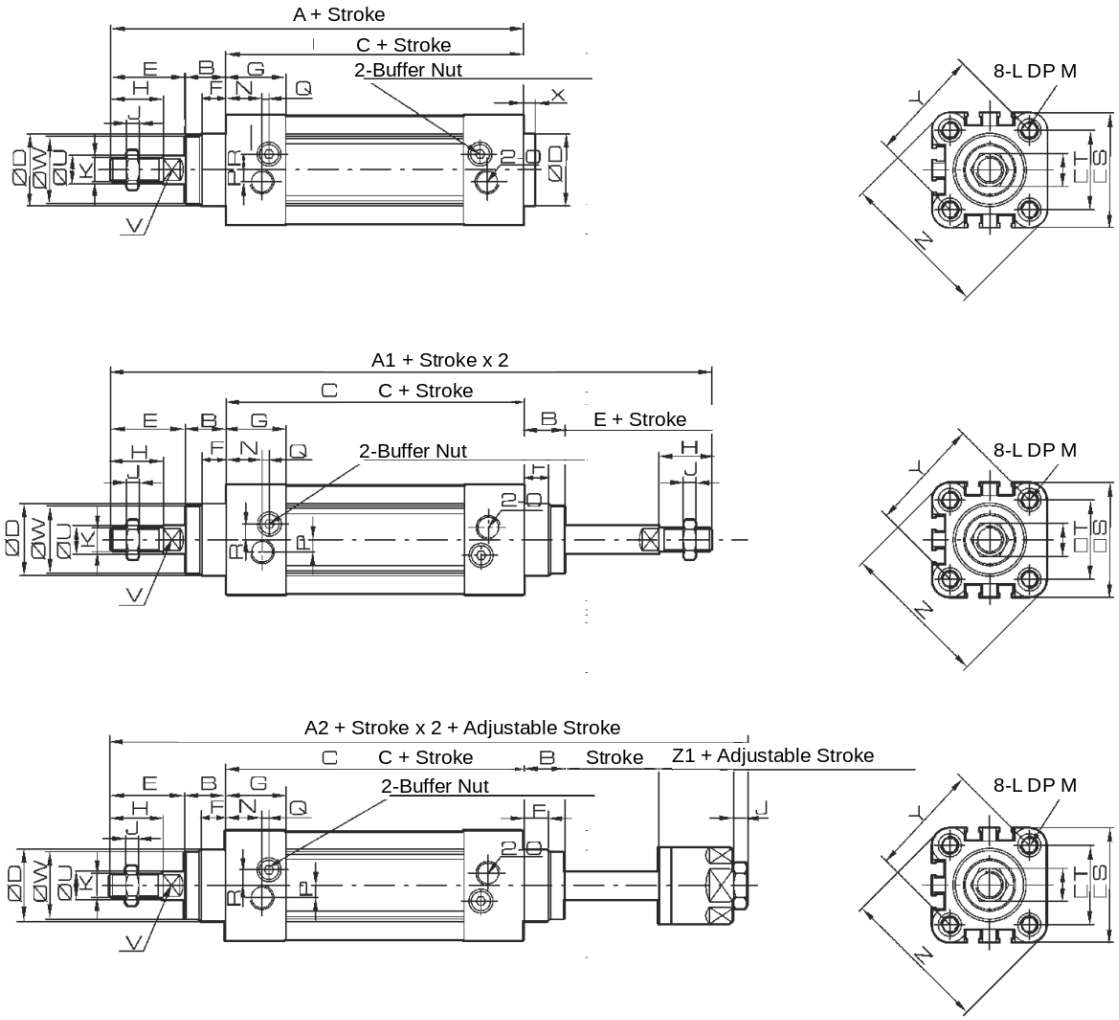
데이터 시트

일반 기술 자료							
실린더 직경	32	40	50	63	80	100	125
공압 연결	G1/8	G1/8	G1/4	G1/8	G3/8	G3/8	G1/2
작동 압력	0.1 ... 0.9 MPa						
디자인	복동 실린더						
스트로크	25... 1000 mm						
속도 범위	50 ... 800 mm/s						
쿠션	에어 쿠션						
쿠션 거리	20mm				26mm		
실린더 스트로크의 허용차	0...+1.5mm						
인증	ISO 15552 표준 준수						

작동 및 환경 조건	
사용매체	압축공기
주위온도 및 사용유체온도	-20 ~ +80°C

재질	
하우징	알루미늄 합금
피스톤 로드	탄소강 경질 크롬도금
패킹	NBR, PU

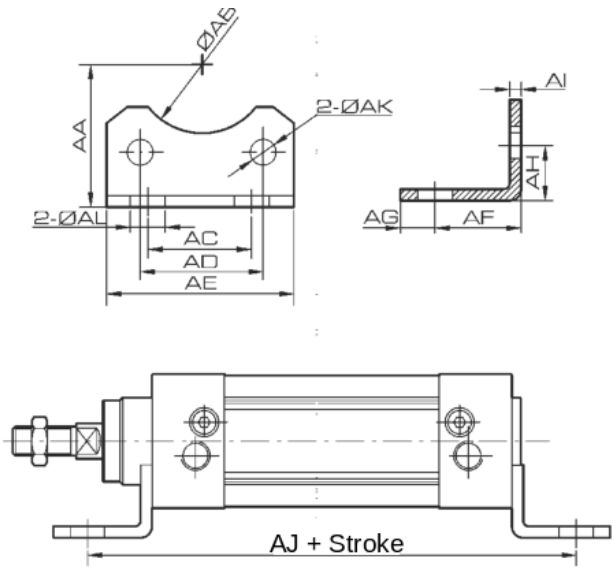
TPBC 기본형



Bore	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	143	190	185	16	94	30	33	10	25	22	17	6	M10x1.25	M6
40	159	213	207	20	105	35	34	10	29.5	24	17	7	M12x1.25	M6
50	175	244	233	27	107	40	42	10	32	32	23	8	M16x1.5	M8
63	190	258	247	26	122	45	42	10	36	32	23	8	M16x1.5	M8
80	214	301	288	35	126	45	53	10	37	40	26	10	M20x1.5	M10
100	229	321	308	40	137	55	52	10	39	40	26	10	M20x1.5	M10
125	279	394	378	47	160	60	72	10	43	54	40	12	M27x2.0	M12

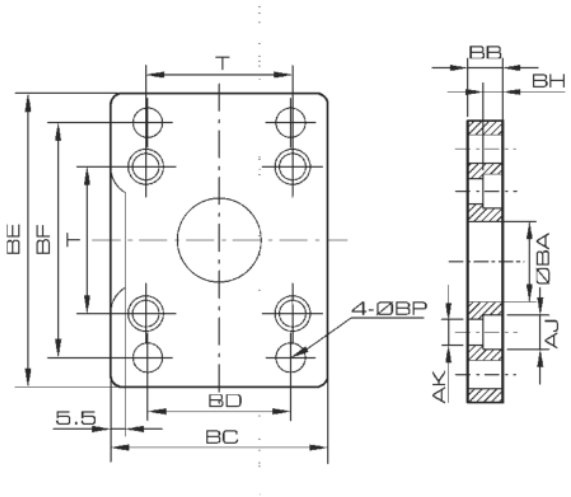
Bore	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Z1
32	12	15	G1/8	5	3	6.5	45	32.5	12	10	28	4	46	58.7	21
40	12	17.5	G1/4	7	3	7	52	38	16	13	33	4	53.7	68	21
50	12	20	G1/4	7	3	9	65	46.5	20	17	38	4	65.8	84.5	23
63	12	22	G3/8	8	5	9	76	56.5	20	17	38	4	79.9	99.6	23
80	15	23	G3/8	10	5	12	94	72	25	22	43.5	4	101.8	123.8	29
100	15	26	G1/2	10	5	14	112	89	25	22	47	4	125.9	148.9	29
125	20	29	G1/2	10	5	14	134	110	32	27	53	6	156.9	179.6	40.5

LB : 풋 마운트



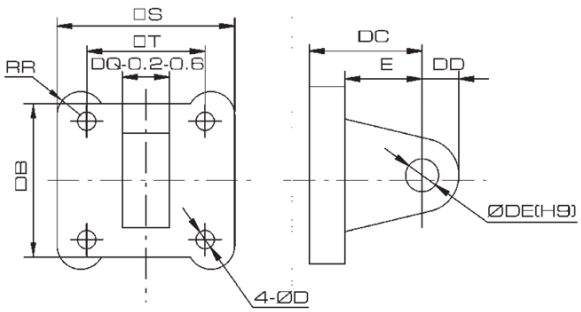
Bore	32	40	50	63	80	100	125
AA	32	36	45	50	63	71	90
AB	30	35	40	45	45	55	60
AC	32	36	45	50	63	75	90
AD	32.5	38	46.5	56.5	72	89	110
AE	45	52	65	75	95	115	140
AF	24	28	32	32	41	41	45
AG	11	8	15	13	14	16	18
AH	15.8	17	21.8	21.8	27	26.5	35
AI	4	4	5	5	6	6	7
AJ	142	161	170	186	208	219	250
AK	7	7	9	9	11	11	12.5
AL	7	10	10	10	12	14.5	16.5

FA : 플랜지 마운트



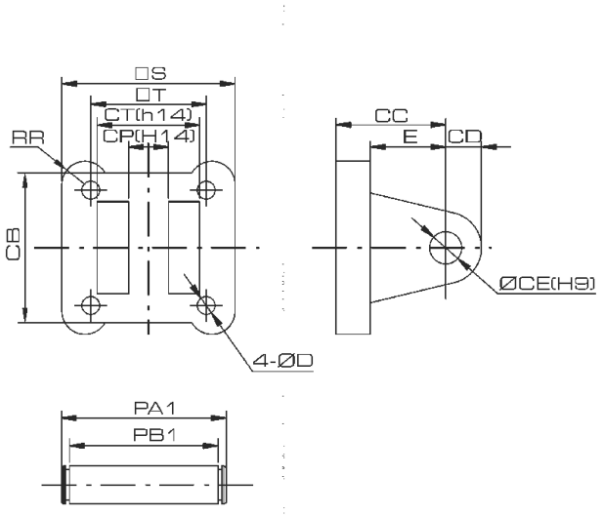
Bore	32	40	50	63	80	100	125
BA	30.3	35.3	40.3	45.3	45.3	55.3	60.3
BB	10	10	12	12	16	16	20
BC	45	52	65	76	94	112	140
BD	32	36	45	50	63	75	90
BE	80	90	110	120	150	175	224
BF	64	72	90	100	126	150	180
BH	6.5	6.5	8.5	8.5	10.5	10.5	15
AJ	10.5	10.5	13.5	13.5	16.5	16.5	19
AK	6.5	6.5	8.5	8.5	10.5	10.5	12.5
BP	7	9	9	9	12	14	16
T	32.5	38	46.5	56.5	72	89	110

CA : 싱글 클래비스



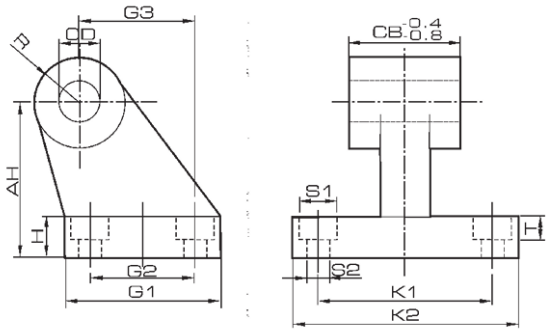
Bore	32	40	50	63	80	100	125
S	45	52	65	76	94	112	140
T	32.5	38	46.5	56.5	72	89	110
RR	7	7	9	10	11	11.5	12
DB	34	41	54	65	83	101	123
DC	22	25	27	32	36	41	50
DD	10	11	13	16	16	20	25
DE	10	12	12	16	16	20	25
DQ	26	28	32	40	50	60	70
D	6.5	6.5	8.5	8.5	10.5	10.5	12.5
E	14	17	17	22	24	25	30

CB : 더블 클래비스



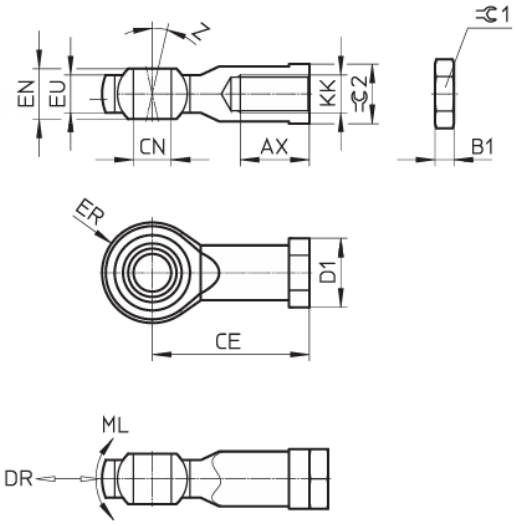
Bore	32	40	50	63	80	100	125
S	45	52	65	76	94	112	140
T	32.5	38	46.5	56.5	72	89	110
D	6.5	6.5	8.5	8.5	10.5	10.5	12.5
E	14	17	17	22	24	25	30
RR	6.5	7	9	9.5	11	11.5	12
CB	34	41	54	65	83	101	123
CC	22	25	27	32	36	41	50
CD	10	11	13	16	46	20	25
CE	10	12	12	16	16	20	25
CP	26	28	32	40	50	60	70
CT	45	52	60	70	90	110	120
PA1	53	60	68	78	100	120	130
PB1	46.5	53.5	61.5	71.5	91.5	111.5	121.5

YB: 바닥면 풋 마운트



Bore	32	40	50	63	80	100	125
AH	32	36	45	50	63	71	90
H	8	10	12	12	14	15	20
CD	10	12	12	16	16	20	25
G1	31	35	45	50	60	70	90
G2	18	22	30	35	40	50	60
G3	21	24	33	37	47	55	70
CB	26	28	32	40	50	60	70
K1	38	41	50	52	66	76	94
K2	51	54	65	67	86	96	124
S2	6.6	6.6	9	9	11	11	14
R	10	11	13	15	15	19	22.5

GA : 로드 아이



Size	AX	B1	CE	CN Ø	D1 Ø	ER	EN	EU
M4	10^{-2}	2.2	27±1.2	4	12	9	8	6
M6	12^{-2}	3.2	30±1.2	6	14	10	9	6.8
M8	16^{-2}	4	36±1.2	8	17	12	12	9
M10x1.25	20^{-2}	5	43±1.2	10	20	14	14	10.5
M12x1.25	22^{-2}	6	50±1.2	12	23	16	16	12
M16x1.5	28^{-2}	8	64±1.2	16	29	21	21	15
M20x1.5	33^{-2}	10	77±1.7	20	37	25	25	18
M27x2.0	51^{-2}	13.5	125±1.7	30	52	35	37	25
M36x2.0	56^{-2}	18	125±2.1	35	60	40	43	28
M48x2.0	60^{-2}	21	142±2.1	40	69	45	49	33
M48x2.0	65^{-2}	24	160±2.1	50	78	58	60	45