

ADN 12-100 ISO 21 287



The compact cylinder series complies with the standard ISO 21287

Space savings of up to 50% compared with the standard ISO 15552

Piston rod with choice of male or female thread

Easy to mount with a comprehensive range of mounting accessories for just about every type of installation

Sensor slots on three sides for flush mounting of proximity sensors

Easy for maintenance



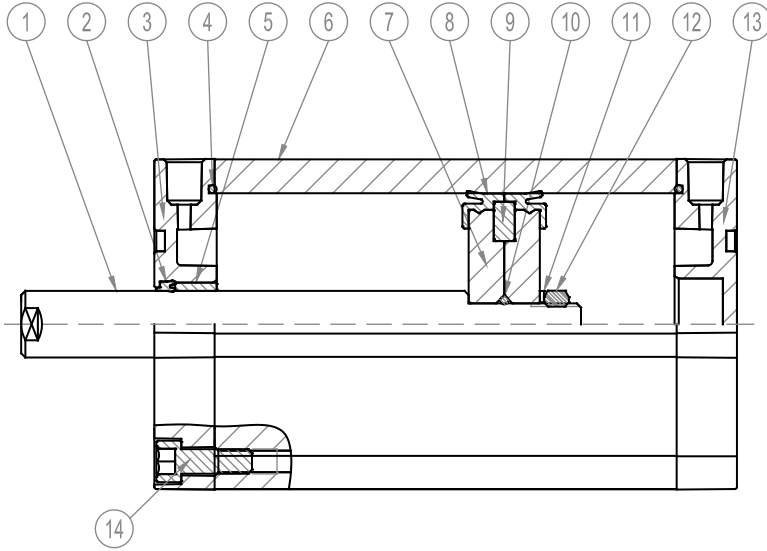
TECHNICAL DATA

BORE[Ø]	12	16	20	25	32	40	50	63	80	100	
Pneumatic connection	M5	M5	M5	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/4"	
Piston rod thread	Female thread	M3	M4	M6	M6	M8	M8	M10	M10	M12	M12
	Male thread	M5	M6	M8	M8	M10×1.25	M10×1.25	M12×1.25	M12×1.25	M16×1.5	M16×1.5
Cushioning	Fixed Cushioning										
Operating temperature	-20-80°C										
Operating pressure	12bar										
Operating medium	Filtered compressed air, with or without lubrication										
Version	Single acting or Double acting										
Type of mounting	Via accessories, through-hole and female thread										
Mounting position	Any										

 1 bar=0.1MPa=14.5PSI



MATERIALS



1	Piston rod	C45 chrome-plated steel
2	Wiper seal	NBR
3	Front cover	Die cast aluminium
4	O-ring,Front cover	NBR
5	Oil bearing	Steel
6	Tube	Anodized aluminium
7	Piston	Die cast aluminium
8	Piston seal	TPU
9	Magnet	Ferrite
10	O-ring,piston & piston rod	NBR
11	Pad	Spring steel
12	Piston rod lock nut	Carbon steel
13	End Cover	Die cast aluminium
14	Tie rod screw	Nickel-plated steel

KEY CODE

ADN D - 50 X 50 - 25 - S - B - LB - I

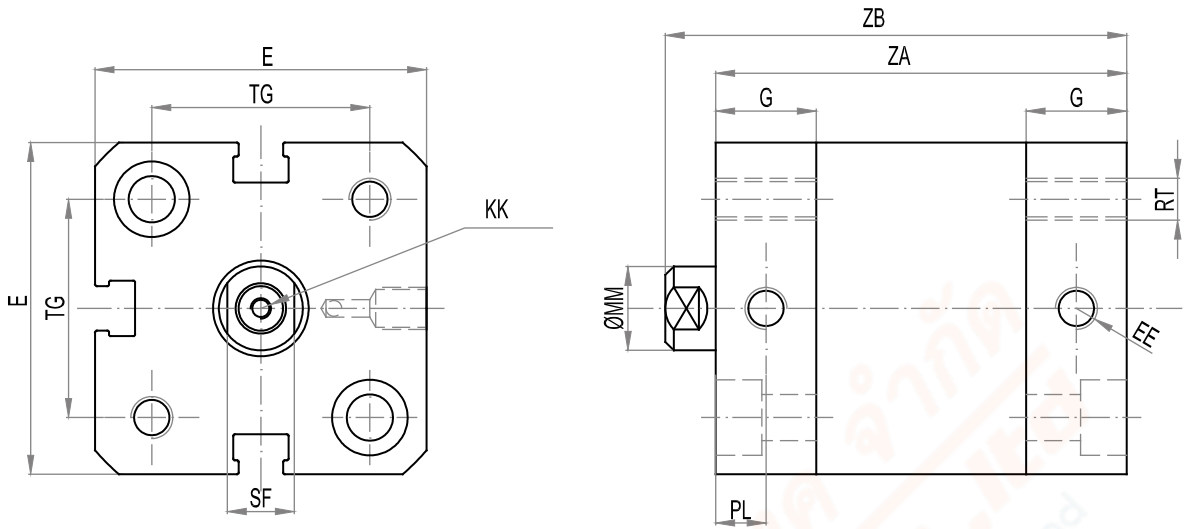
ADN	D	50	50	25	S	B
SERIES	TYPE	BORE	STROKE [mm]	ADJUSTABLE STROKE	MAGNETIC	THREAD TYPE
ADN=Standard Type	Blank=Standard	12-16-20-25-32-40-50-63-80-100	As request	As request	Blank=Without magnet S=With magnet	Blank= Female thread B= Male thread W= Without thread
ADNT= Multi Position	D=Double rod type					
AEN=Rear spring	J=Double rod type with adjustable stroke					
AENZ=Front spring						

LB	I
MOUNTING TYPE	CONNECTOR TYPE
Blank=Without accessory	Blank=Without accessory
LB=Angle bracket	I=I joint
FA=Flange	Y=Y joint
CA=Male clevis	U=Rod eye joint
CB=Female clevis	F=Floating joint
LNG=Square hinge	

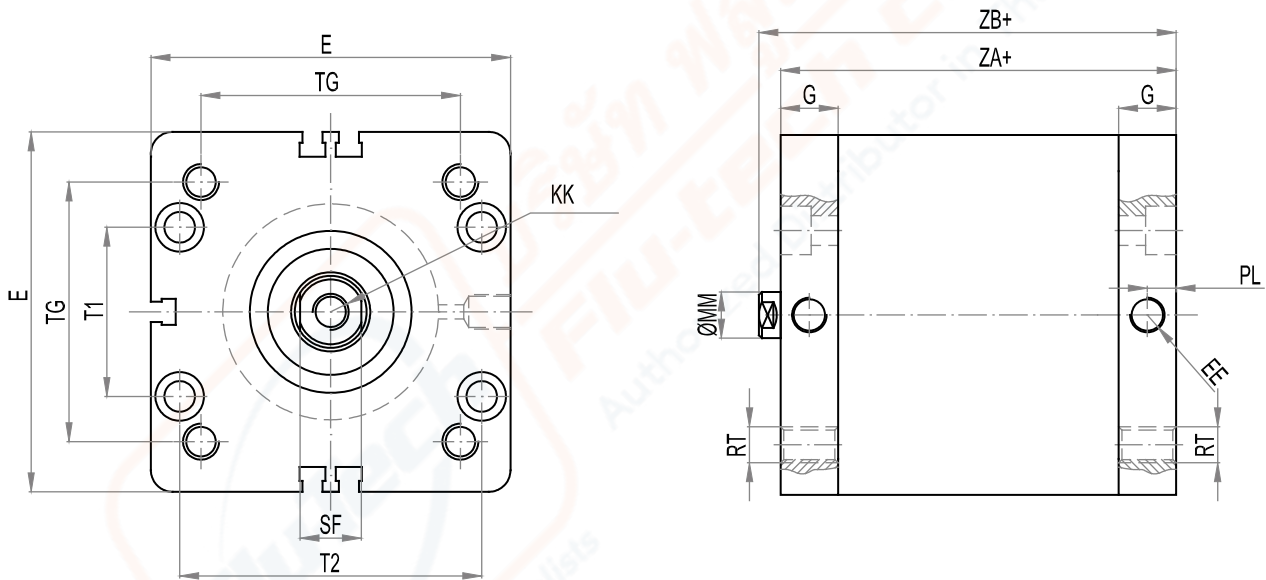
PS: High temperature seals available upon request

ADN Standard Type-Female Thread

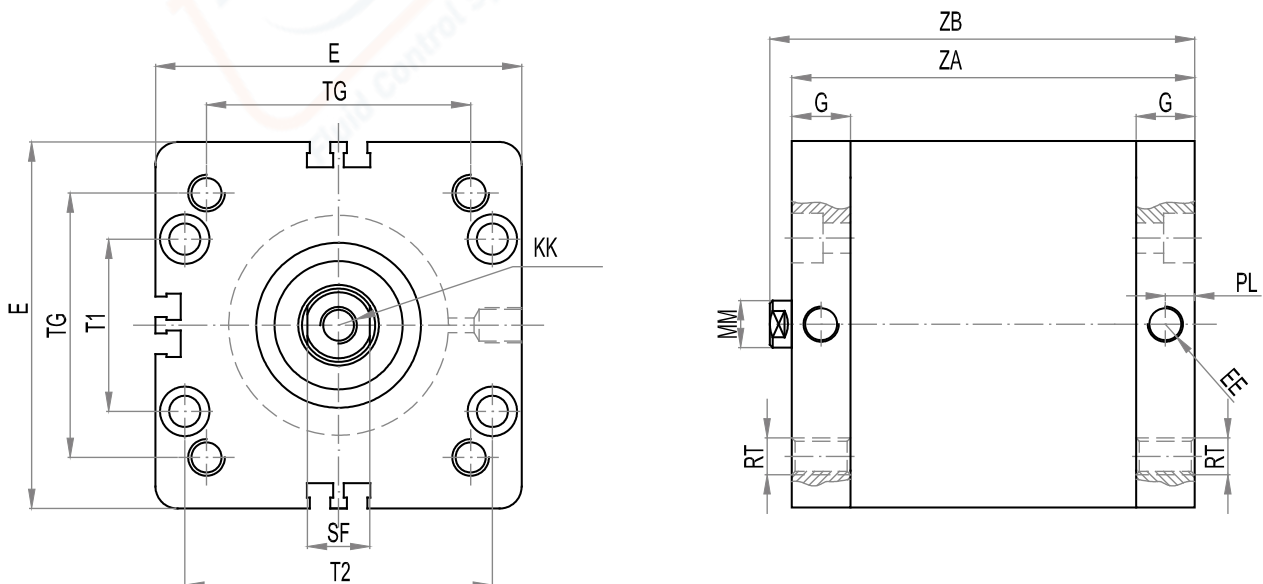
Ø12-25



Ø32-50



Ø63-100



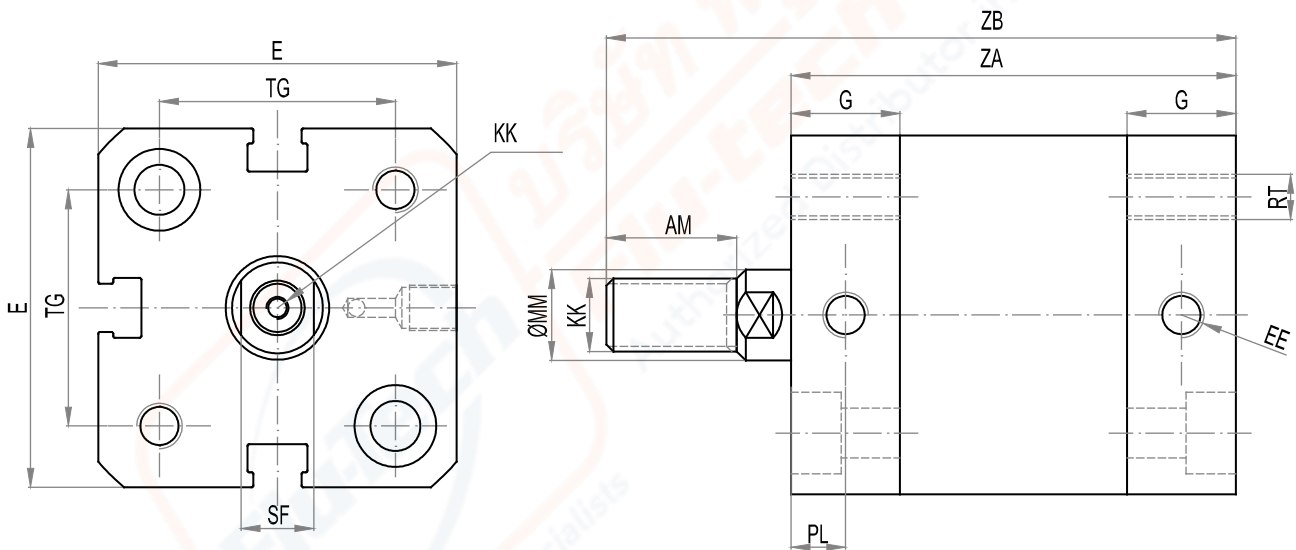


ADN Standard Type-Female Thread

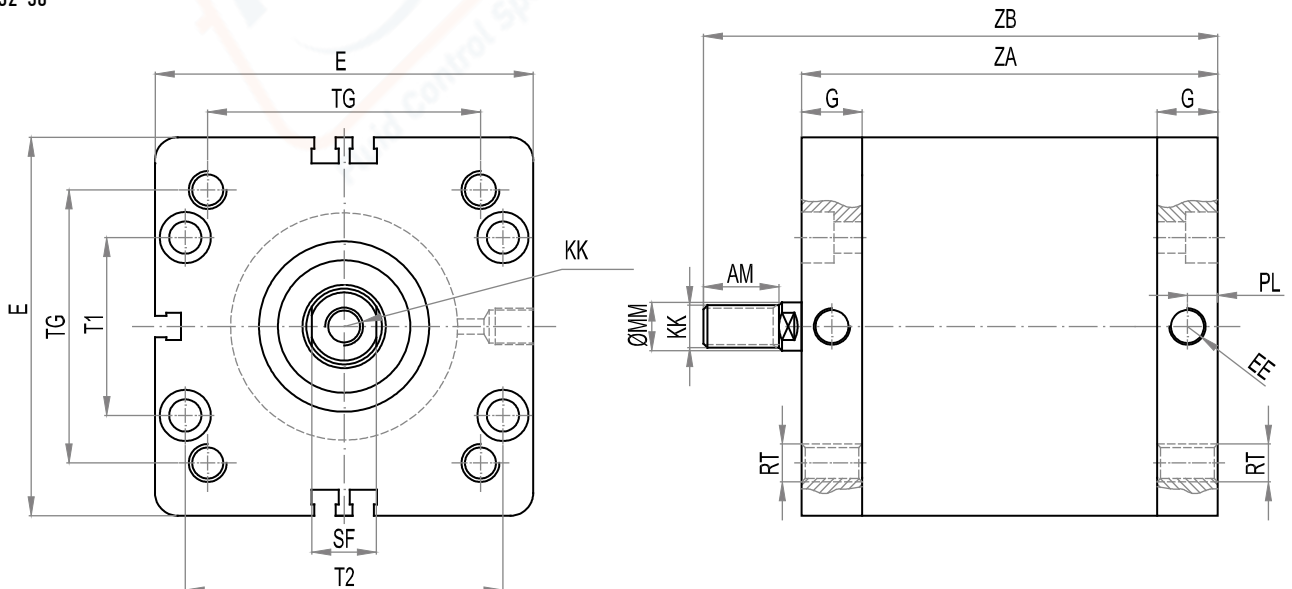
Ø [MM]	12	16	20	25	32	40	50	63	80	100
E	27.5	29	35.5	39.5	47.5	56.5	66.5	79.5	100	120
EE	M5	M5	M5	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/4"
G	10.5	11	12	12	15	14.5	14.5	14.5	16	19.5
KK	M3	M4	M6	M6	M8	M8	M10	M10	M12	M12
L	8	10	14	14	16	16	20	20	20	20
MM[Ø]	6	8	10	10	12	12	16	16	20	20
PL	6	6	6	6	7.5	7.25	7.25	7.25	9	9.75
RT	M4	M4	M5	M5	M6	M6	M8	M8	M10	M10
SF	5	7	8	8	10	10	14	14	17	17
T1	-	-	-	-	17	21	27	37	47	60
T2	-	-	-	-	38	45	54	66	84	101
TG	16	18	22	26	32.5	38	46.5	56.5	72	89
ZA+	35	35	37	39	45	45	45	50	55	67
ZB+	40	40	43	45	50	51	53	57	63	76

ADN Standard Type-Male Thread

Ø12-25

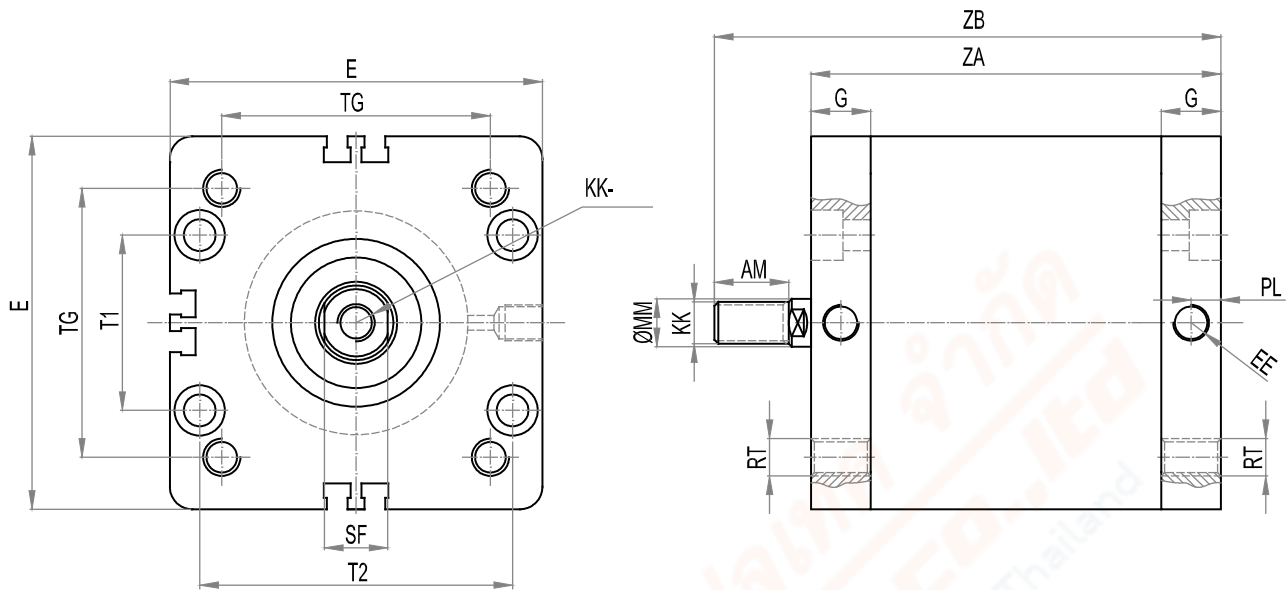


Ø32-50



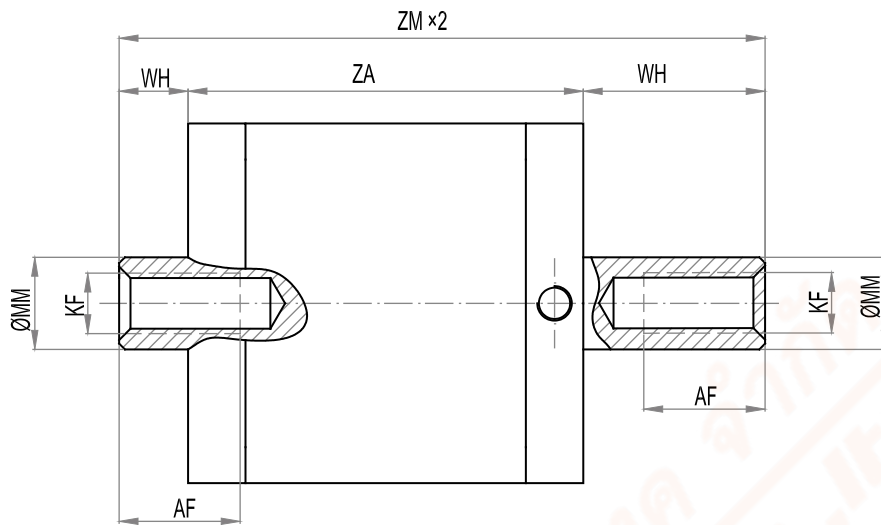
ADN Standard Type-Male Thread

Ø63-100

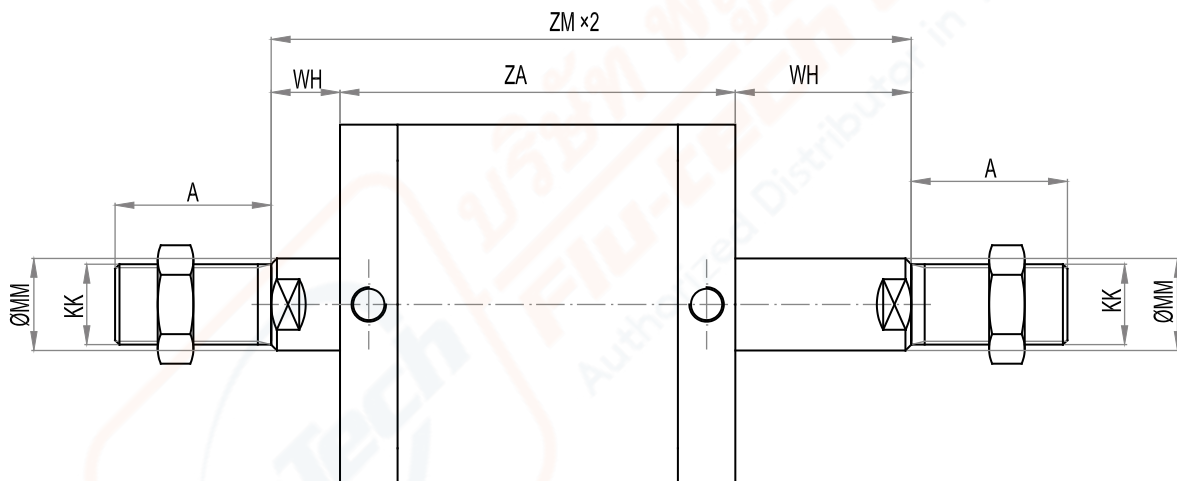


Ø [MM]	12	16	20	25	32	40	50	63	80	100
AM	10	12	16	16	19	19	22	22	28	28
E	27.5	29	35.5	39.5	47.5	56.5	66.5	79.5	100	120
EE	M5	M5	M5	M5	G1/8"	G1/8"	G1/8"	G1/8"	G1/8"	G1/4"
G	12	12	12	12	15	14.5	14.5	14.5	16	19.5
KK	M5	M6	M8	M8	M10×1.25	M10×1.25	M12×1.25	M12×1.25	M16×1.5	M16×1.5
L	8	10	14	14	16	16	20	20	20	20
MM[Ø]	6	8	10	10	12	12	16	16	20	20
PL	6	6	6	6	7.5	7.25	7.25	7.25	9	9.75
RT	M4	M4	M5	M5	M6	M6	M8	M8	M10	M10
SF	5	7	8	8	10	10	14	14	17	17
T1	-	-	-	-	17	21	27	37	47	60
T2	-	-	-	-	38	45	54	66	84	101
TG	16	18	22	26	32.5	38	46.5	46.5	72	89
ZA+	35	35	37	39	45	45	45	50	55	67
ZB+	50	52	59	61	69	70	75	79	91	104

ADND Double rod type-Female Thread

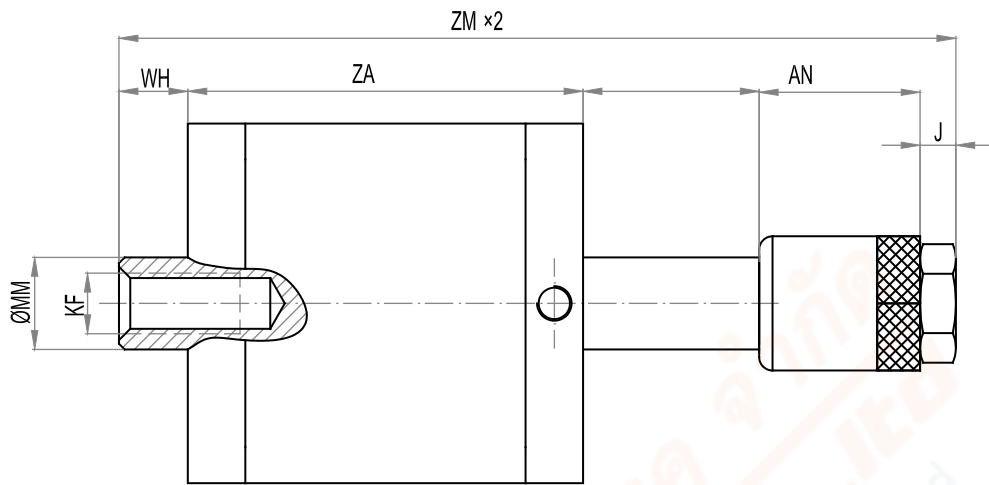


ADND Double rod type-Male Thread

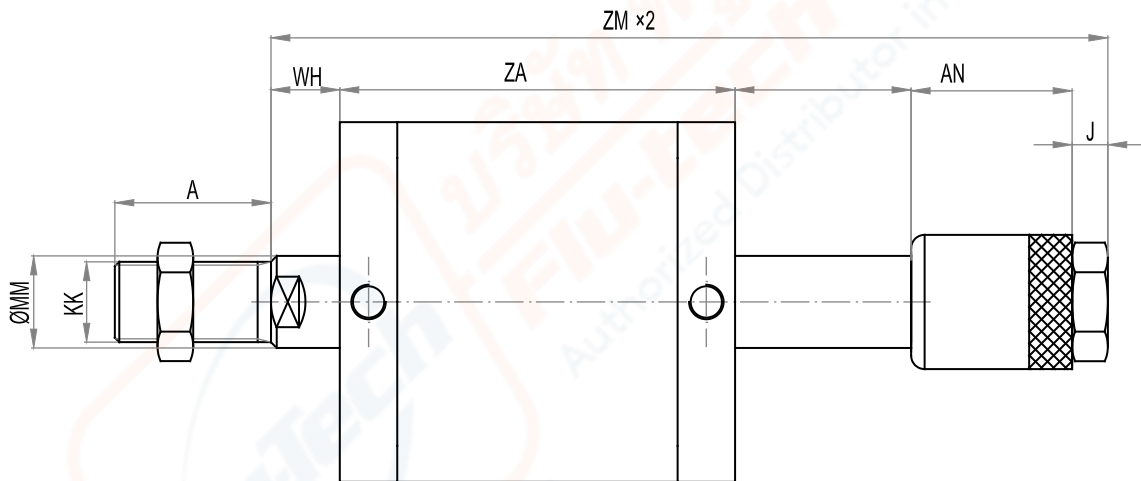


Ø [MM]	12	16	20	25	32	40	50	63	80	100
A	10	12	16	16	19	19	22	22	28	28
AF	8	10	14	14	16	16	20	20	20	20
KK	M5	M6	M8	M8	M10×1.25	M10×1.25	M12×1.25	M12×1.25	M16×1.5	M16×1.5
KF	M3	M4	M6	M6	M8	M8	M10	M10	M12	M12
MM	6	8	10	10	12	12	16	16	20	20
WH	5	5	6	6	5	6	8	7	8	9
ZA	35	35	37	39	45	45	45	50	55	67
ZM	45	45	49	51	55	57	61	64	70	85

ADNJ Double rod type with adjustable stroke-Female Thread

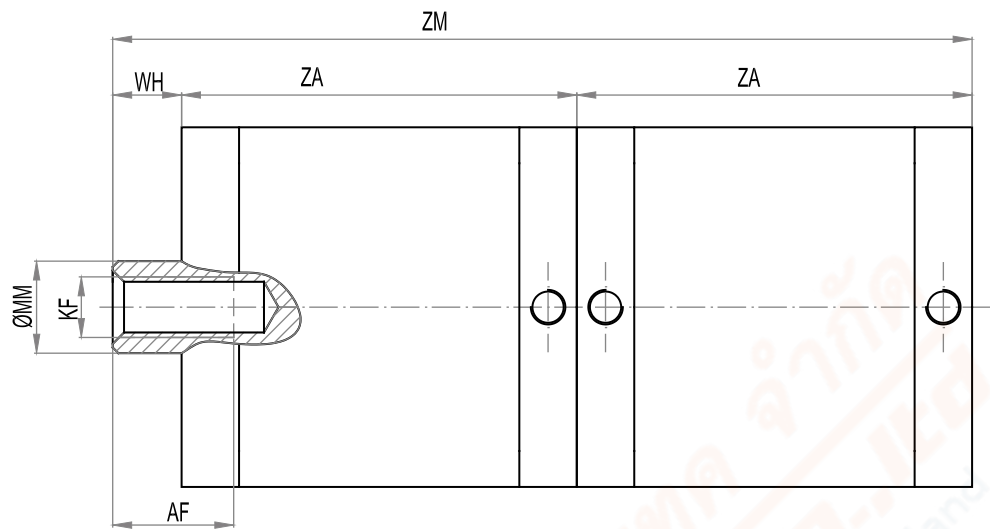


ADNJ Double rod type with adjustable stroke-Male Thread

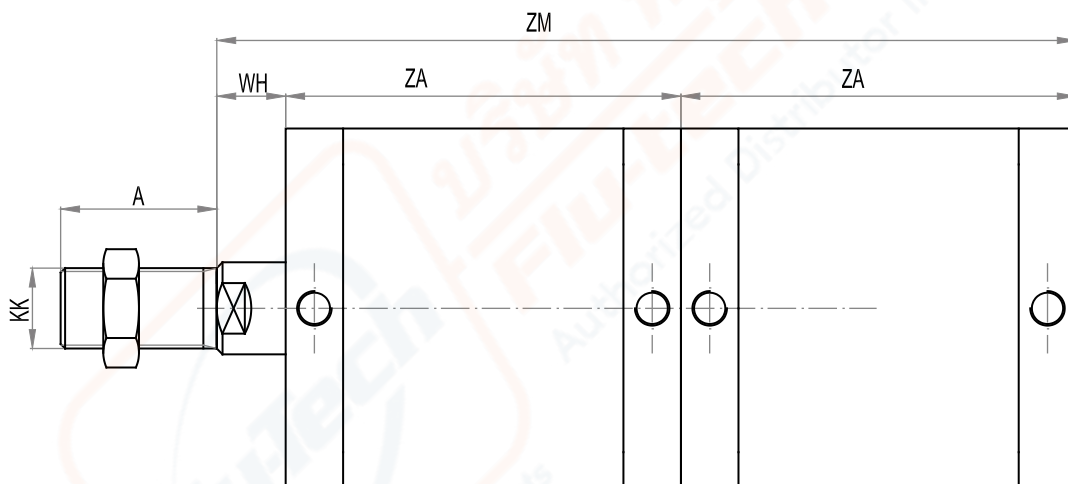


Ø [MM]	12	16	20	25	32	40	50	63	80	100
A	10	12	16	16	19	19	22	22	28	28
AF	8	10	14	14	16	16	20	20	20	20
AN	14	14	17	20	20	21	22	21	21	22
J	4	4	5	5	6	6	7	7	8	8
KK	M5	M6	M8	M8	M10×1.25	M10×1.25	M12×1.25	M12×1.25	M16×1.5	M16×1.5
KF	M3	M4	M6	M6	M8	M8	M10	M10	M12	M12
MM	6	8	10	10	12	12	16	16	20	20
WH	5	5	6	6	5	6	8	7	8	9
ZA	35	35	37	39	45	45	45	50	55	67
ZM	58	58	65	70	76	78	82	85	92	106

ADNT-Female Thread

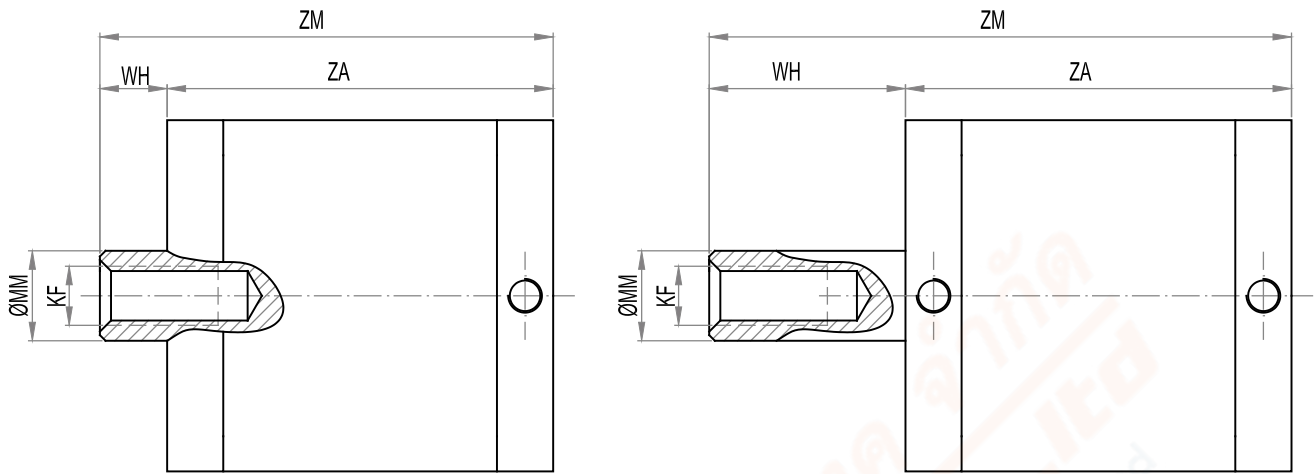


ADNT-Male Thread

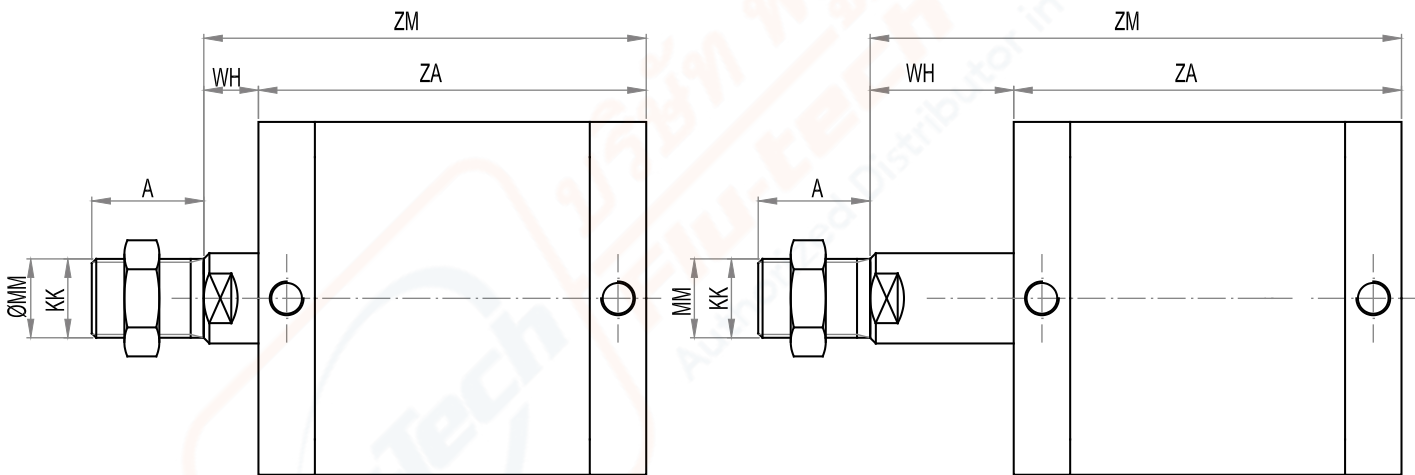


Ø [MM]	12	16	20	25	32	40	50	63	80	100
A	10	12	16	16	19	19	22	22	28	28
AF	8	10	14	14	16	16	20	20	20	20
KK	M5	M6	M8	M8	M10×1.25	M10×1.25	M12×1.25	M12×1.25	M16×1.5	M16×1.5
KF	M3	M4	M6	M6	M8	M8	M10	M10	M12	M12
MM	6	8	10	10	12	12	16	16	20	20
WH	5	5	6	6	5	6	8	7	8	9
ZA	35	35	37	39	45	45	45	50	55	67
ZM	75	75	80	84	95	96	98	107	118	143

AEN-Female Thread



AEN-Male Thread



Ø [MM]	12	16	20	25	32	40	50	63	80	100
A	10	12	16	16	19	19	22	22	28	28
AF	8	10	14	14	16	16	20	20	20	20
KK	M5	M6	M8	M8	M10×1.25	M10×1.25	M12×1.25	M12×1.25	M16×1.5	M16×1.5
KF	M3	M4	M6	M6	M8	M8	M10	M10	M12	M12
MM	6	8	10	10	12	12	16	16	20	20
WH	5	5	6	6	5	6	8	7	8	9
ZA	35	35	37	39	45	45	45	50	55	67
ZM	40	40	43	45	50	51	53	57	163	76