AKME
SOLUÇÕES EM AUTOMAÇÃO

ADN

Compact Cylinder ISO21287

ADN Series

Compact Cylinder ISO21287

Ordering Code

ADN	-	25	x	15	-	A	-	PA	-	-	-	-	-	-	-	-
Series		Bore		Stroke		Thread		Magnet		Piston rod Material		Seal Type		Avaliable version		Extension
ADN : Double Acting ADNGF: Non rotating type		12, 16, 20 25, 32, 40 50, 63, 80 100				Blank: Female Thread A: Male Thread		PA: Magnet		Blank: Steel SAE 1045 I: Stainless Steel		Blank: Buna N V: Viton		S2: Double Shaft Type		Blank: Standard PH XX: MM Extension Tie rod PR XX: MM Extension thread	

Specification

Bore (mm)	12	16	20	25	32	40	50	63	80	100
Operation	Double Acting									
Working Medium	Air									
Operating Pressure Range	1 ~ 10 Bar									
Proof Pressure	15 Bar									
Operating Temperature Range	-20 ~ 80℃									
Operating Speed Range	30 ~ 500mm/s									
Port Size	M5x0.8		G1/8"							

Features

1. ADN series compact cylinder accord with ISO21287 standard.
2. ADN series cylinder with compact structure, derived lots of variety types, and wide range of applications.
3. Both end use rubber gasket to absorb the remaining energy of the high speed movement and the machine cycle.
4. Every assembly way has large number of accessories, so it is very sample.

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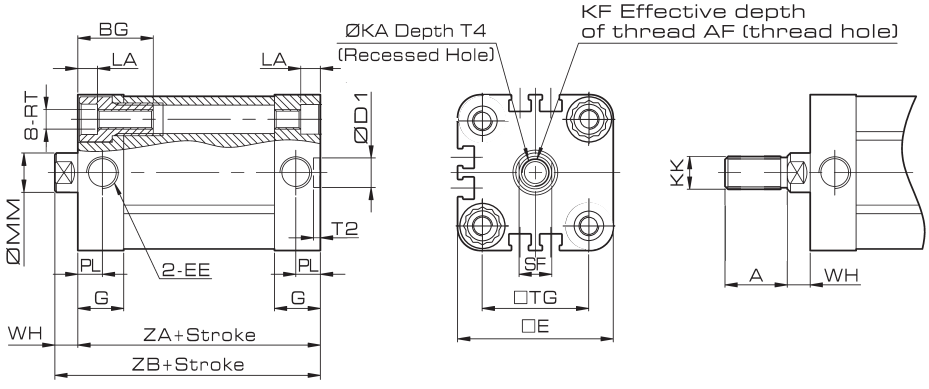
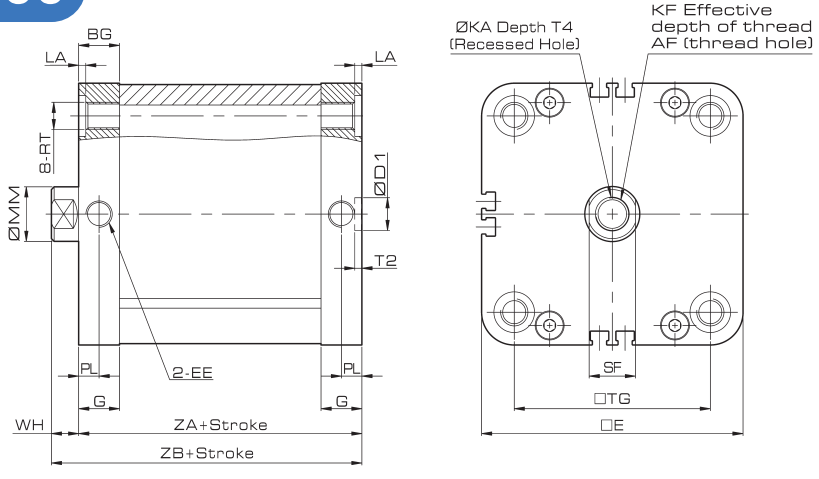
Overall Dimension

ADN Ø12~63



ADN Ø80~100



Dimension

Bore/Symbol	Stroke Range (mm)	A	AF	BG Min.	D1	E	EE	G	KA	KF	KK	LA
12	5~200	10	8	10,5	9	27,5	M5	10,5	-	M3	M5	5
16		12	10	11		29		11	-	M4	M6	
20		16	14	15		36		12	6.5	M6×1	M8×1.25	8
25						40		12				9
32		19	16	16		47.5	G1/8	15	8.5	M8×1.25	M10×1.25	
40						55						
50		22	20		12	66			10.5	M10×1.5	M12×1.25	
63						78.3						
80		28		17		96		15	12.5	M12×1.75	M16×1.5	7
100						116		21				

Bore/Symbol	MM	PL	RT	SF	T2	T4	TG	WH	ZA	ZB
12	6	5	M4	5	2.1	2	16	5	35	40
16	8			7			18	5		40
20	10		M5	9		2.6	22	6	37	43
25							26		39	45
32	12	7.5	M6×1	10		3.3	32.5	7	44	51
40							38		45	52
50	16		M8×1.25	13	2.6	4.7	46.5	8		53
63							56.5		49	57
80	20		M10×1.5	17		6.1	72	10	54	64
100							89		67	77

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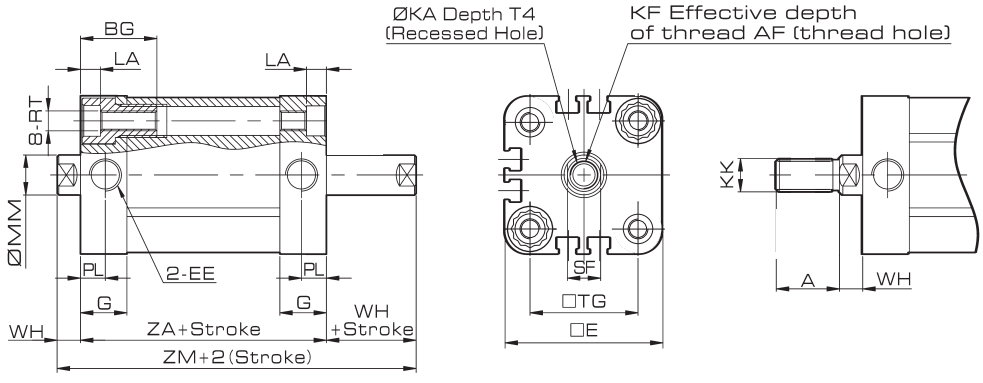
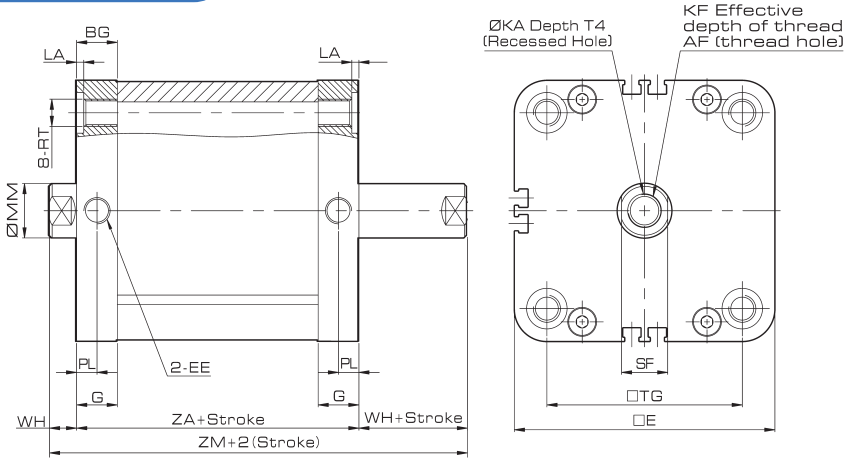
Overall Dimension

ADN-S2 Ø12~63



ADN-S2 Ø80~100



Dimension

Bore/Symbol	Stroke Range (mm)	A	AF	BG Min.	E	EE	G	KA	KF	KK	LA
12	5~200	10	8	10,5	27,5	M5	10.5	-	M3	M5	5
16		12	10	11	29		11	-	M4	M6	
20		16	14	15	36		12	6.5	M6×1	M8×1.25	
25					40		12				
32		19	16	16	47.5	G1/8	15	8.5	M8×1.25	M10×1.25	
40					55						
50		22	20		66			10.5	M10×1.5	M12×1.25	
63					78.3						
80		28		17	96		15	12.5	M12×1.75	M16×1.5	-
100					116		21				

Bore/Symbol	MM	PL	RT	SF	T4	TG	WH	ZA	ZM
12	6	5	M4	5	2	16	4,2	33,5	39,4
16	8			7		18	4,7		45,2
20	10		M5	9	2.6	22	6	37	49
25						26		39	51
32	12	7.5	M6×1	10	3.3	32.5	7	44	58
40						38		45	59
50	16		M8×1.25	13	4.7	46.5	8		61
63						56.5		49	65
80	20		M10×1.5	17	6.1	72	10	54	74
100						89		67	87

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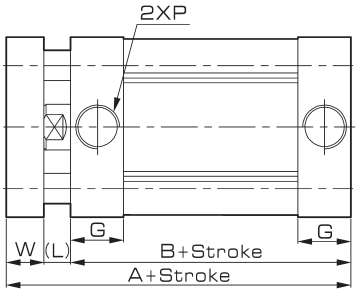
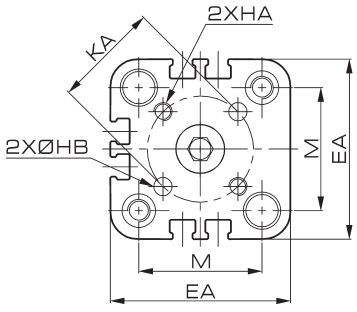
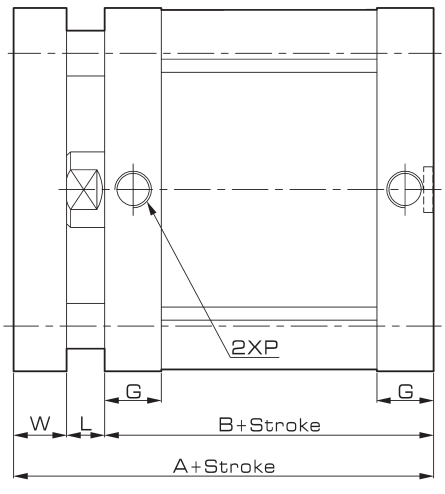
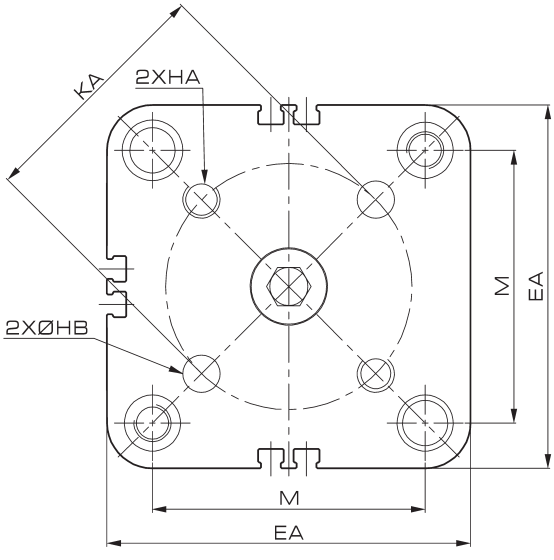
Overall Dimension

ADNGF









Dimension

Bore Symbol	Stroke Range (mm)	With magnet			EA	M	HA	HB	KA	L	W
		A	B	P							
12	5-100	45,2	35	M5	27,5	16	M3	$3^{+0.2}_{0}$	12±0.02	4,2	6
16	5-100	45,7	35	M5	29	18	M3	$3^{+0.2}_{0}$	14±0.02	4,7	6
20	5-100	51	37	M5	36	22	M4	$4^{+0.2}_{0}$	17±0.02	6	8
25	5-100	53	39	M5	40	26	M5	$5^{+0.2}_{0}$	22±0.02	6	8
32	5-100	61	44	G1/8	47.5	32.5	M5	$5^{+0.2}_{0}$	28±0.02	7	10
40	5-100	62	45	G1/8	55	38	M5	$5^{+0.2}_{0}$	33±0.02	7	10
50	5-100	65	45	G1/8	66	46.5	M6X1.0	$6^{+0.2}_{0}$	42±0.02	8	12
63	5-100	69	49	G1/8	78.3	56.5	M6X1.0	$6^{+0.2}_{0}$	50±0.02	8	12
80	5-100	78	54	G1/8	96	72	M8X1.25	$8^{+0.2}_{0}$	65±0.02	10	14
100	5-100	91	67	G1/8	116	89	M10X1.5	$10^{+0.2}_{0}$	80±0.02	10	14