



## ADN

*New Compact Cylinder ISO21287*

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# ADN Series

New Compact Cylinder ISO21287

**AKME**  
SOLUÇÕES EM AUTOMAÇÃO



## Ordering Code

<b>ADN</b>	<b>25</b>	<b>x</b>	<b>15</b>	<b>-</b>	<b>A</b>	<b>-</b>	<b>PA</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
Series	Bore		Stroke		Thread		Magnet		Piston rod Material	Seal Type	Available 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°C									
Operating Speed Range	30 ~ 500mm/s									
Port Size	M5x0.8					G1/8"				

## Features

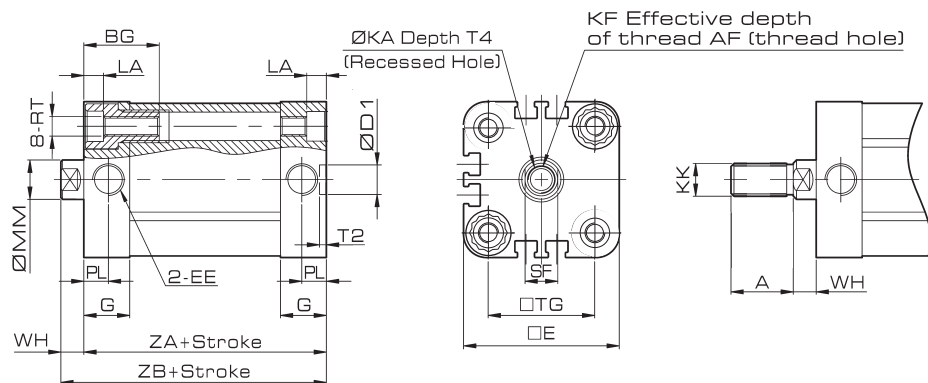
- ADN series compact cylinder accord with ISO21287 standard.
- ADN series cylinder with compact structure, derived lots of variety types, and wide range of applications.
- Both end use rubber gasket to absorb the remaining energy of the high speed movement and the machine cycle.
- Every assembly way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

# ADN Series

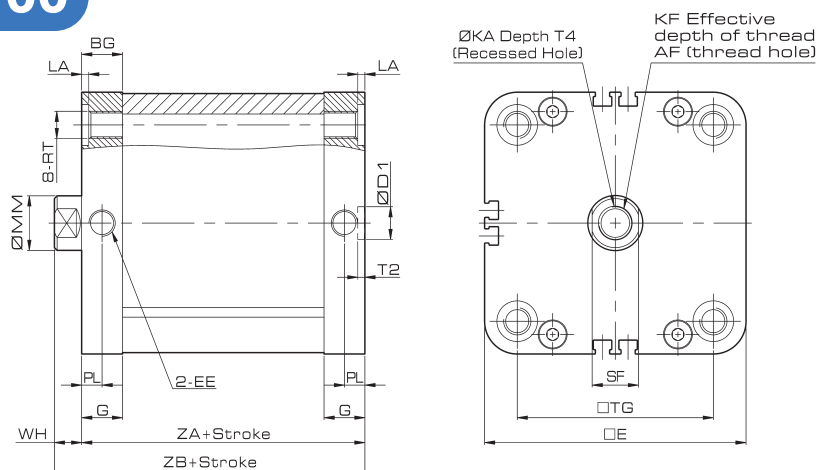
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## Overall Dimension

### 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	8
20		16	14	15		36		12	6,5	M6×1	M8×1.25	
25						40						12
32		19	16	16	12	47,5	15	8,5	M8×1.25	M10×1.25	9	
40		22	20									55
50				28	17	66	15	12,5	M12×1.75	M16×1.5	7	
63		78,3										
80		96										
100		116	21									

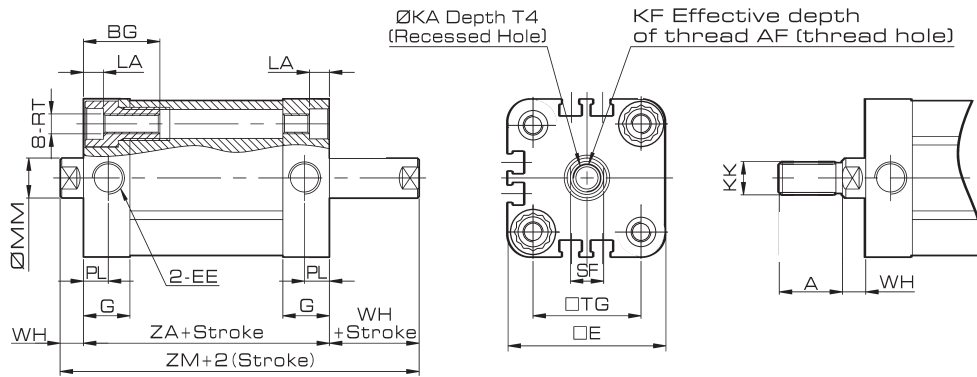
Bore/Symbol	MM	PL	RT	SF	T2	T4	TG	WH	ZA	ZB	
12	6	5	M4	5	2.1	2	16	4,2	33,5	39,2	
16	8			7			18	4,7		40,5	
20	10		M5	9		22	2.6	26	6	37	43
25						39		45			
32	12	M6×1	10	47,5	3.3	38	7	44	51		
40										45	52
50	16	7.5	M8×1.25	13	2.6	46,5	8	49	57		
63										54	64
80	20	M10×1.5	17	66	6.1	72	10	54	64		
100										89	67

# ADN Series

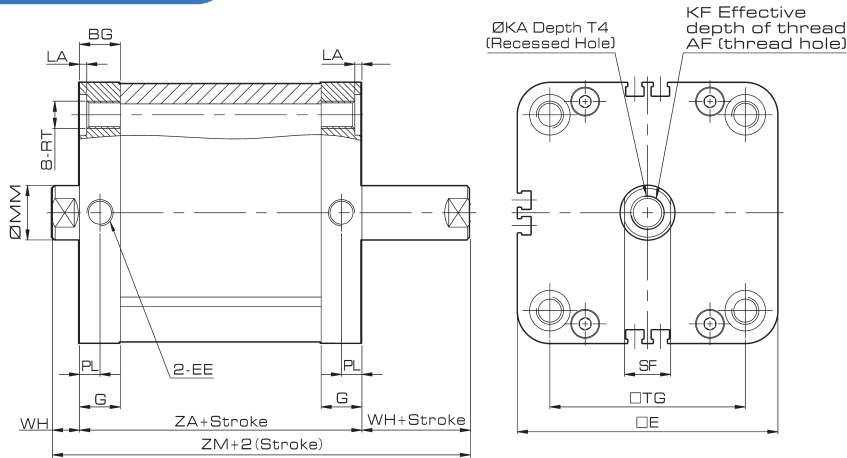
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## Overall Dimension

### 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						
32		19	16	16	47,5	15	8,5	M8×1.25	M10×1.25		
40					55						
50		22	20	20	66	17	10,5	M10×1,5	M12×1.25		
63					78.3						
80		28	20	20	96	17	12,5	M12×1.75	M16×1.5		
100					116					21	

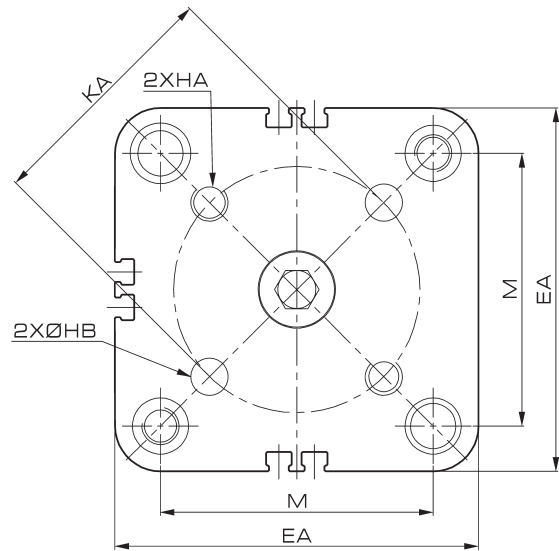
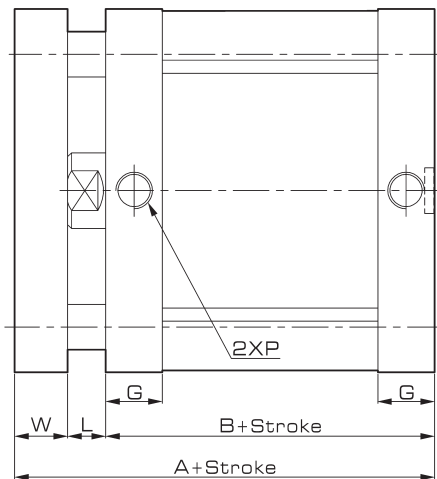
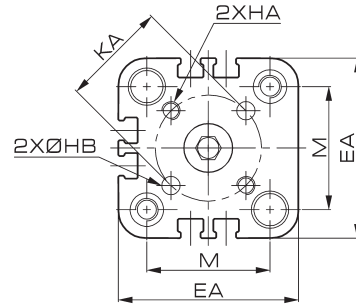
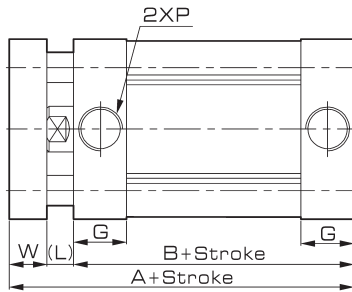
Bore/Symbol	MM	PL	RT	SF	T4	TG	WH	ZA	ZM
12	6	5	M4	5	2	16	4,2	33,5	39,4
16	8			7		18	4,7		45,2
20	10		M5	9	2.6	22	6	37	49
25						26			39
32	12	M6×1	10	3.3	32.5	7	44	58	
40					38			59	
50	16	7.5	M8×1.25	13	4.7	46.5	8	61	
63						56.5		65	
80	20	M10×1.5	17	6.1	72	10	54	74	
100					89		67	87	

# ADN Series

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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