



ADN32x30-S



ADN40x30-S



ADN50x30-S

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.

Ordering Code

ADN	25	30	10	S	B	LB
Series	Bore	Stroke	Adjustable Stroke	Magnet	Thread Type	Mountings
ADN: Double acting	20	5-200mm	10: 10mm 20: 20mm 30: 30mm 50: 50mm 75: 75mm 100: 100mm	S: With magnet Blank: Without magnet	Blank: Female thread B: Male thread	Blank: Basic mountings LB: Front and back mounting
ADND: Double-shaft type	25					FA: Front mounting flange FB: Back mounting flange
ADNJ: Double-shaft with adjustable stroke	32					CA: Back clevis (Single earring) CB: Back hinge (Double earring) YB: Back hinge

* Sensor model JEL-30, please refer to P173 for the specific ordering code.

Specification

Bore (mm)	20	25	32	40	50	63	80	100
Operation	Double Acting							
Working Medium	Air							
Operating Pressure Range	0.1 ~ 1.0MPa							
Proof Pressure	1.5MPa							
Operating Temperature Range	-20 ~ 80°C							
Operating Speed Range	30 ~ 500mm/s							
Port Size	M5x0.8			G1/8"				

Cylinder

Calculation

SI

SI A.

SIB

SQ

DNT

SC/SU

SCT

SC A.

DN

DSN

DN/DSN A.

MA

MAC

MA/MAC A.

MAL

MALC

MAL/MALC A.

SDA

CQ2

TCQ2

ADN

TADN

PPRM

JHL2

JHF2

JHZ2

JHY2

JHC2

JXH

JXQ

JXS

TN

JGP

JSQB

Sensor

ADN Series

New Compact Cylinder

(ISO21287 Standard)

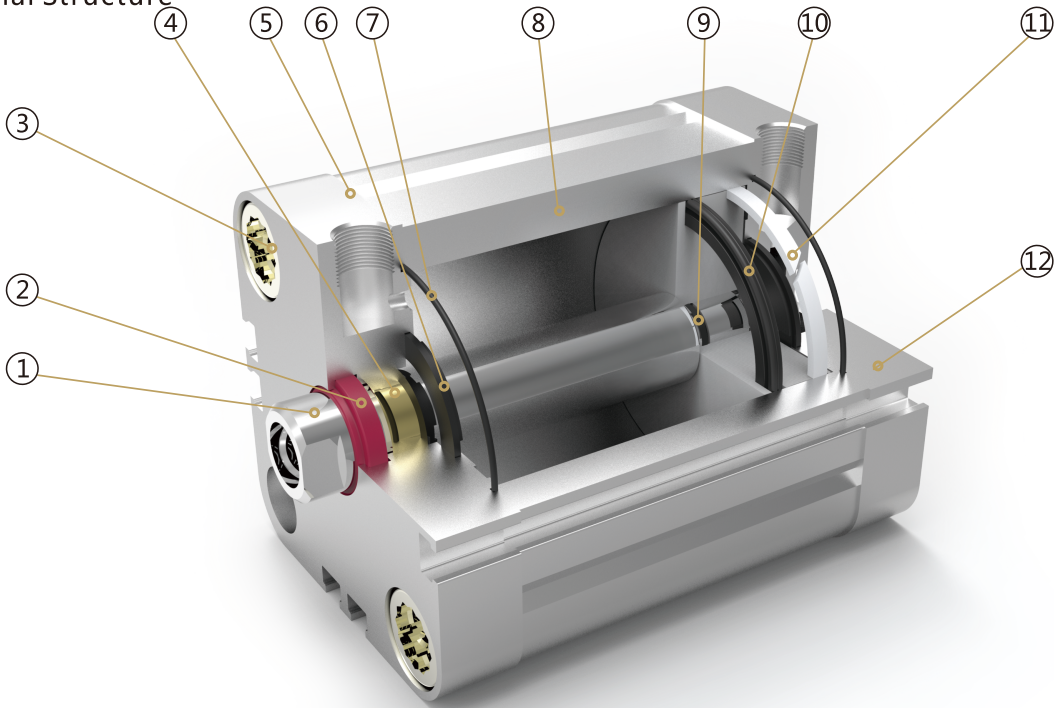


- Cylinder
- Calculation
- SI
- SI A.
- SIB
- SQ
- DNT
- SC/SU
- SCT
- SC A.
- DN
- DSN
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- MA
- MAC
- MA/MAC A.
- MAL
- MALC
- MAL/MALC A.
- SDA
- CQ2
- TCQ2
- ADN
- TADN
- PPRM
- JHL2
- JHF2
- JHZ2
- JHY2
- JHC2
- JXH
- JXQ
- JXS
- TN
- JGP
- JSQB
- Sensor

Stroke

Bore		Standard Stroke	Max. Stroke
ADN/ADNJ ADND	20	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100	100
	25	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150	150
	32/40	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150 160 175 200	200
	50/63	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150 160 175 200 225 250	250
	80/100	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 90 100 110 120 125 150 160 175 200 225 250 275 300	300
TADN		20/25/32 40/50/63 80	100

Internal Structure



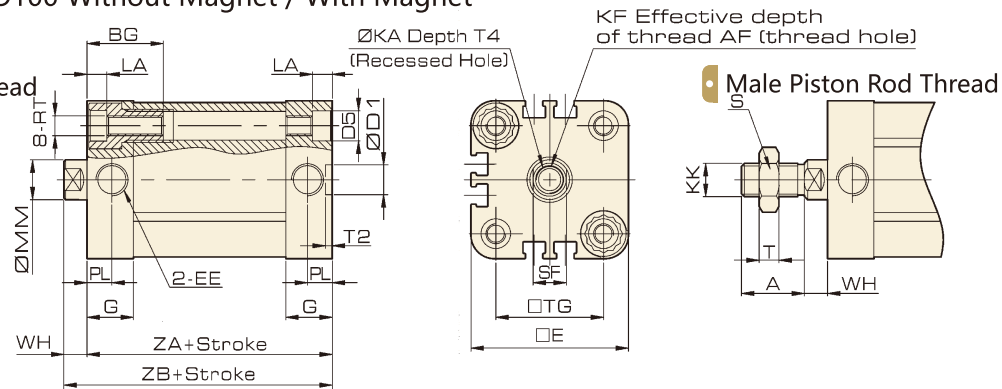
Parts

Number	Name	Number	Name
1	Piston rod	7	O ring
2	Shaft seal	8	Barrel
3	Cover screw	9	O ring
4	DU bearing	10	Piston seal
5	Front cover	11	Anti-friction seal
6	Anti-collision gasket	12	Back cover

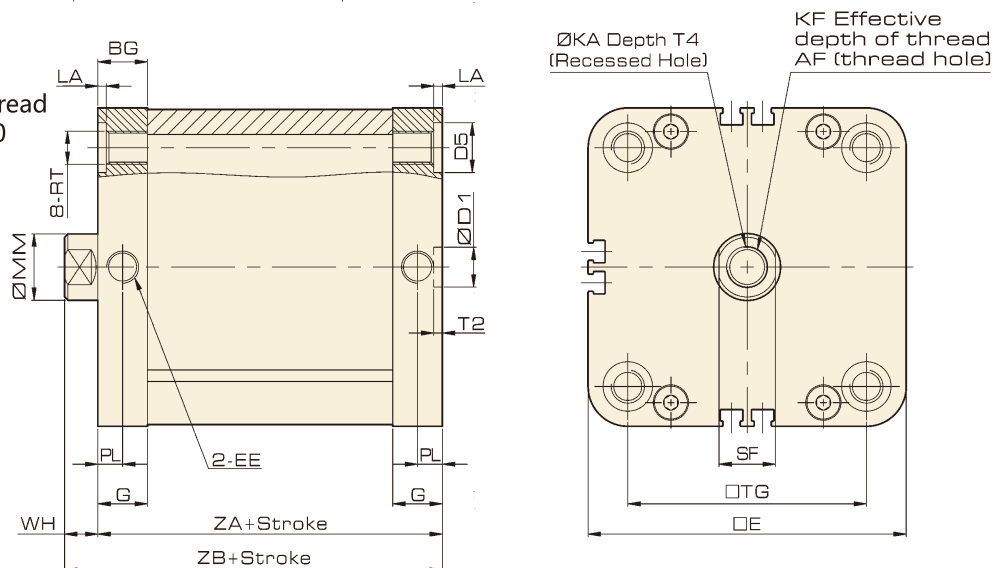
Overall Dimension

ADN Ø20~Ø100 Without Magnet / With Magnet

Standard Female Thread Ø20~Ø63



Standard Female Thread Ø80~Ø100



Dimension

Bore/Symbol	Stroke Range (mm)	A	AF	BG Min.	D1	D5	E	EE	G	KA	KF	KK	LA
20	5~200	16	14	15	9	9	36	M5	10.5	6.5	M6×1	M8×1.25	5
25							40		11				
32		19	16	16			47.5	14	8.5	M8×1.25	M10×1.25		
40							55						
50		22	20	12	66	G1/8	10.5	M10×1.5	M12×1.25				
63					78.3								
80		28	17	12	-	96	15	12.5	M12×1.75	M16×1.5			
100						116					21	-	

Bore/Symbol	MM	PL	RT	S	SF	T	T2	T4	TG	WH	ZA	ZB
20	10	5	M5×0.8	12	9	5	2.1	2.6	22	6	37	43
25									26		39	45
32	12	7.5	M6×1	17	10	6		3.3	32.5	7	44	51
40									38		45	52
50	16		M8×1.25		13	7	4.7	46.5	8	49	53	
63				56.5				57				
80	20	M10×1.5	23	17	8	2.6	6.1	72	10	54	64	
100								89		67	77	

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ADN Series

New Compact Cylinder (ISO21287 Standard)



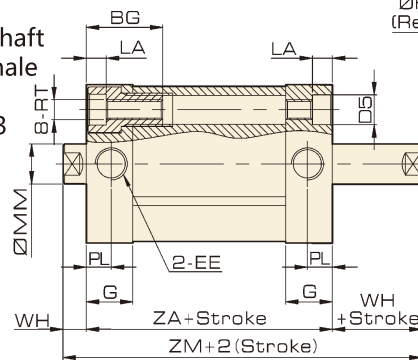
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Overall Dimension

ADND Ø20~Ø100 Without Magnet / With Magnet

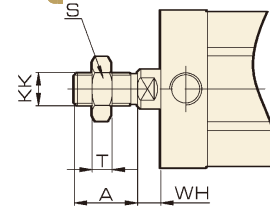
Double Shaft With Female Thread Ø20~Ø63



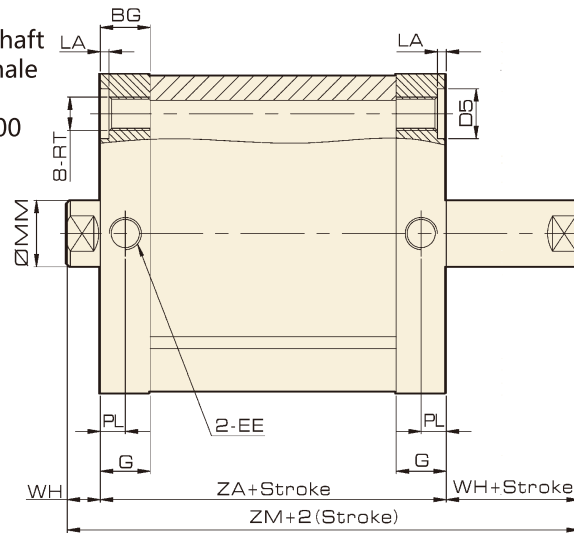
ØKA Depth T4
(Recessed Hole)

KF Effective depth
of thread AF (thread hole)

Male Piston Rod Thread



Double Shaft With Female Thread Ø80~Ø100



ØKA Depth T4
(Recessed Hole)

KF Effective
depth of thread
AF (thread hole)

Dimension

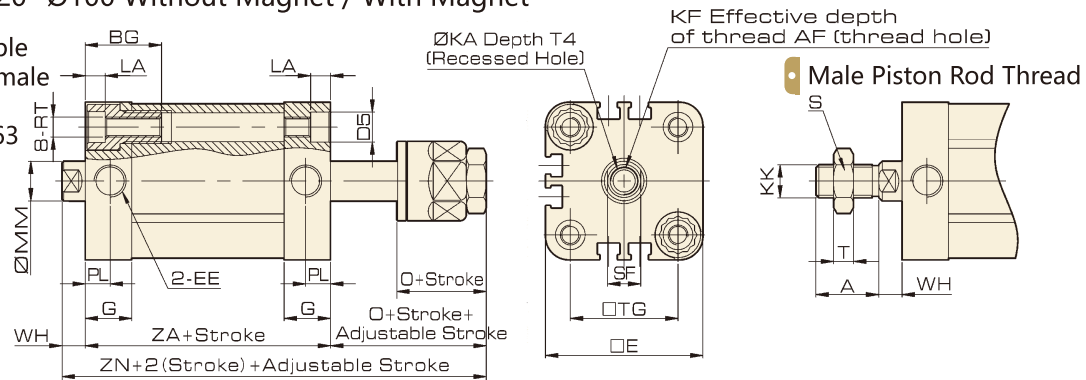
Bore/Symbol	Stroke Range (mm)	A	AF	BG Min.	D5	E	EE	G	KA	KF	KK	LA		
20	5~200	16	14	15	9	36	M5	10.5	6.5	M6×1	M8×1.25	5		
25		19	16	16		40		11	8.5	M8×1.25	M10×1.25			
32						47.5		14						
40		22	20	17	12	55	G1/8	15	10.5	M10×1.5	M12×1.25			
50						66							21	
63		28				78.3	15	12.5	M12×1.75	M16×1.5				
80						96						21		12.5
100					-	116					-			

Bore/Symbol	MM	PL	RT	S	SF	T	T4	TG	WH	ZA	ZM
20	10	5	M5×0.8	12	9	5	2.6	22	6	37	43
25								26		39	45
32	12	7.5	M6×1	17	10	6	3.3	32.5	7	44	58
40								38		45	59
50	16	7.5	M8×1.25		13	7	4.7	46.5	8	49	61
63								56.5		54	65
80	20		M10×1.5	23	17	8	6.1	72	10	54	74
100								89		67	87

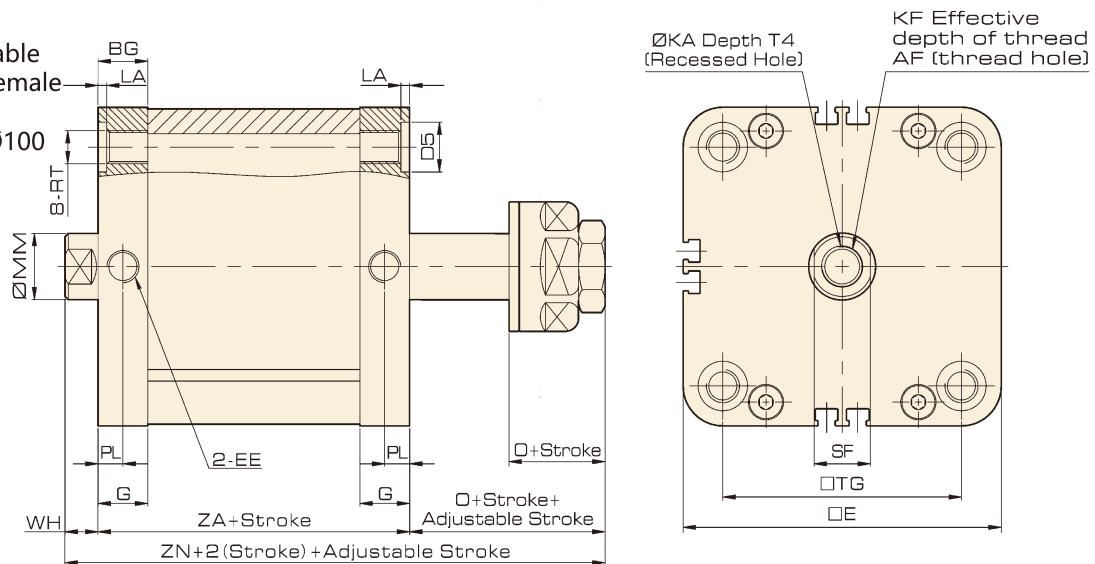
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ADNJ Ø20~Ø100 Without Magnet / With Magnet

Adjustable With Female Thread Ø20~Ø63



Adjustable With Female Thread Ø80~Ø100



Dimension

Bore/Symbol	Stroke Range (mm)	A	AF	BG Min.	D5	E	EE	G	KA	KF	KK	LA
20	5~200	16	14	15	9	36	M5	10.5	6.5	M6×1	M8×1.25	5
25						40		11				
32		19	16	16		47.5		14	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	O	PL	RT	S	SF	T	T4	TG	WH	ZA	ZN
20	10	19	5	M5×0.8	12	9	5	2.6	22	6	37	62
25									26		39	64
32	12	27	7.5	M6×1	17	10	6	3.3	32.5	7	44	78
40									38		45	79
50	16	28		M8×1.25		13	7	4.7	46.5	8	49	81
63					56.5				85			
80				20	29	M10×1.5	23	17	8	6.1	72	10
100	89	67	96									

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