

ADN Series

New Compact Cylinder
(Conforms to ISO21287 Standard)



ADN32x30-S



ADN40x30-S



ADN50x30-S

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 ammseby way has large number of accessories, so it is very sample.

Ordering Code

ADN	25	30	10	S	B	LB	MT
Series	Bore	Stroke	Adjustable Stroke	Magnet	Thread Type	Mountings	Sensor
ADN: Double acting	20 25 32 40	5-200mm	10: 10mm 20: 20mm 30: 30mm 50: 50mm	S: With magnet Blank: Without magnet	Blank: Female thread B: Male thread	Blank: Basic mountings LB: Front and back mounting FA: Front mounting flange FB: Back mounting flange CA: Back clevis (Single earring) CB: Back hinge (Double earring) YB: Back hinge	JEL-30R Type * Standard wire length is 1 meter, please specify for other length
ADND: Double-shaft type	50 63 80 100		75: 75mm 100: 100mm				
ADNJ: Double-shaft with adjustable stroke							

Specification

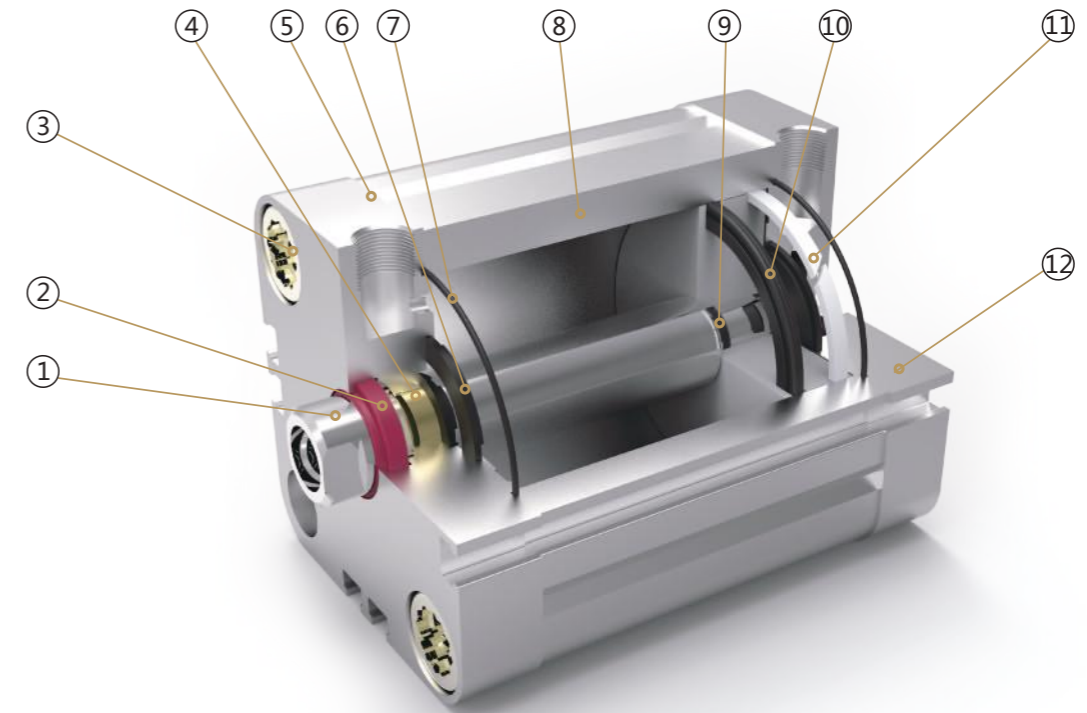
Bore (mm)	20	25	32	40	50	63	80	100
Operation	Double Acting							
Working Medium	Air							
Operating Pressure Range	0.1 ~ 1.0MPa							
Proof Pressure	1.5MPa							
Operating Temperature Range	-20 ~ 80°C							
Operating Speed Range	30 ~ 500mm/s							
Port Size	M5x0.8				G1/8"			

ISO9001:2015 CE

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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

Cylinder
Calculation
SI
SI A.
SIB
SQ
DNT
SC / SU
SCT
SC A.
SL
DN
DSN
DN/DSN A.
MA
MAC
MA/MAC A.
MAL
MALC
MAL/MALC A.
SDA
CQ2
TCQ2
ADN
TADN
PPRM
MHL2
Pneumatic Fingers
MXH/MXQ
CJP
CJ2
CDU
TN
CX5
MGP
MSQ

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SI
SI A.
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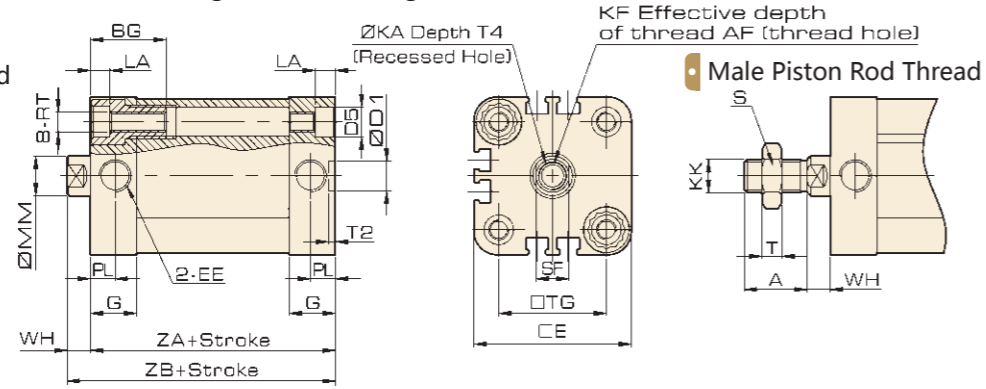
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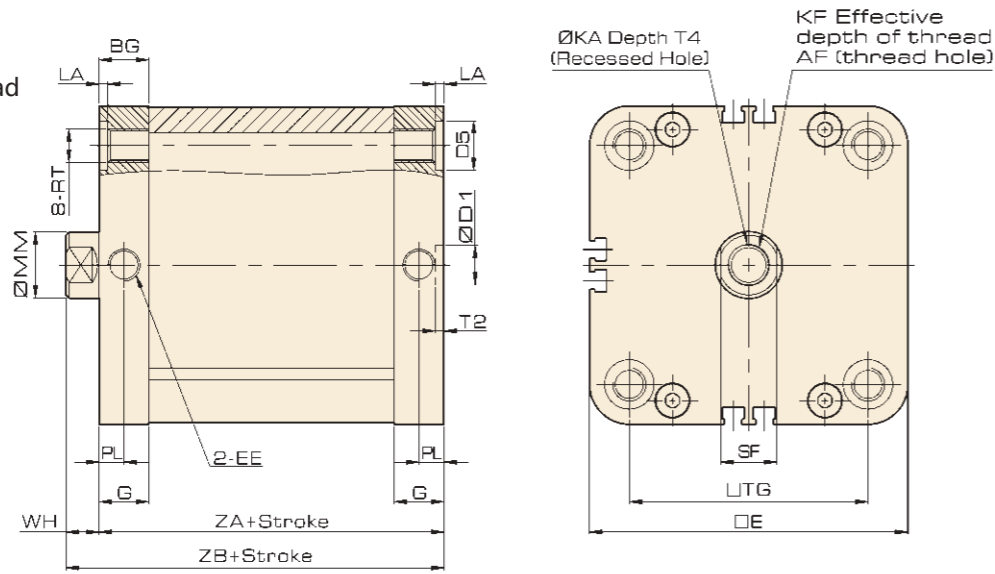
Overall Dimension

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						
32		47.5	19	16			16	14	8.5	M8×1.25	M10×1.25		
40												55	
50		66	22	20	12	12	10.5	M10×1.5	M12×1.25				
63										78.3			
80		96	28	17	-	-	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	7.5	M8×1.25	13	7	7	4.7	46.5	8	49	57	
63								56.5		49	57	
80	20	7.5	M10×1.5	23	17	8	2.6	72	6.1	72	64	
100								89		67	77	

ISO9001:2015 CE

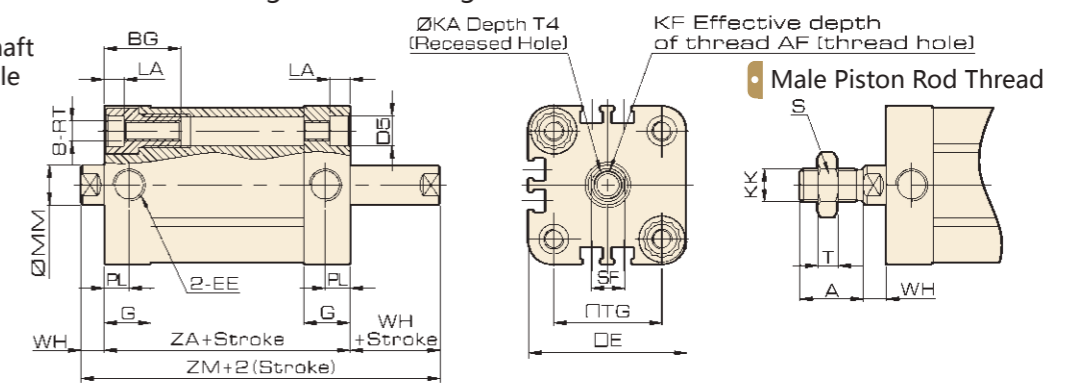
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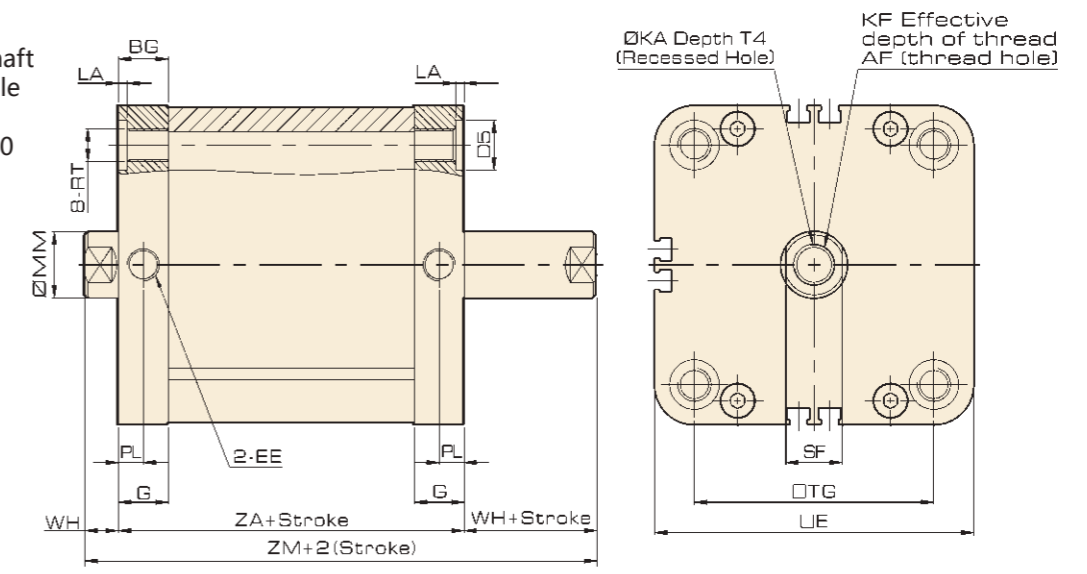
Overall Dimension

ADND Ø20~Ø100 Without magnet / With magnet

Double shaft with female thread Ø20~Ø63



Double shaft 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	9	36	M5	10.5	6.5	M8×1.25	5
25							40					
32		47.5	19	16			16	14	8.5	M8×1.25	M10×1.25	
40												
50		66	22	20	12	12	10.5	M10×1.5	M12×1.25			
63										78.3		
80		96	28	17	-	-	12.5	M12×1.75	M16×1.5			
100										116	21	

Bore/Symbol	MM	PL	RT	S	SF	T	T4	TG	WH	ZA	ZM	
20	10	5	M5×0.8	12	9	5	2.1	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	7	4.7	46.5	8	49	65	
63								56.5		49	65	
80	20	7.5	M10×1.5	23	17	8	2.6	72	6.1	72	74	
100								89		67	87	

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SI
SI A.
SIB
SQ
DNT
SC / SU
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SC A.
SL
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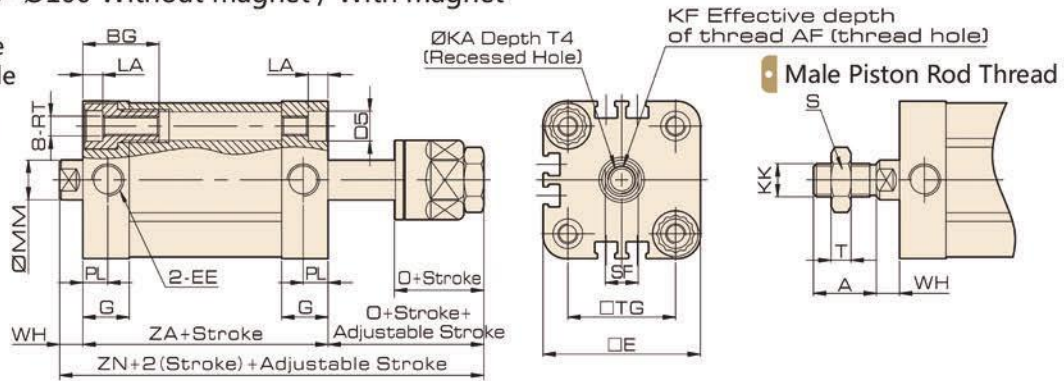
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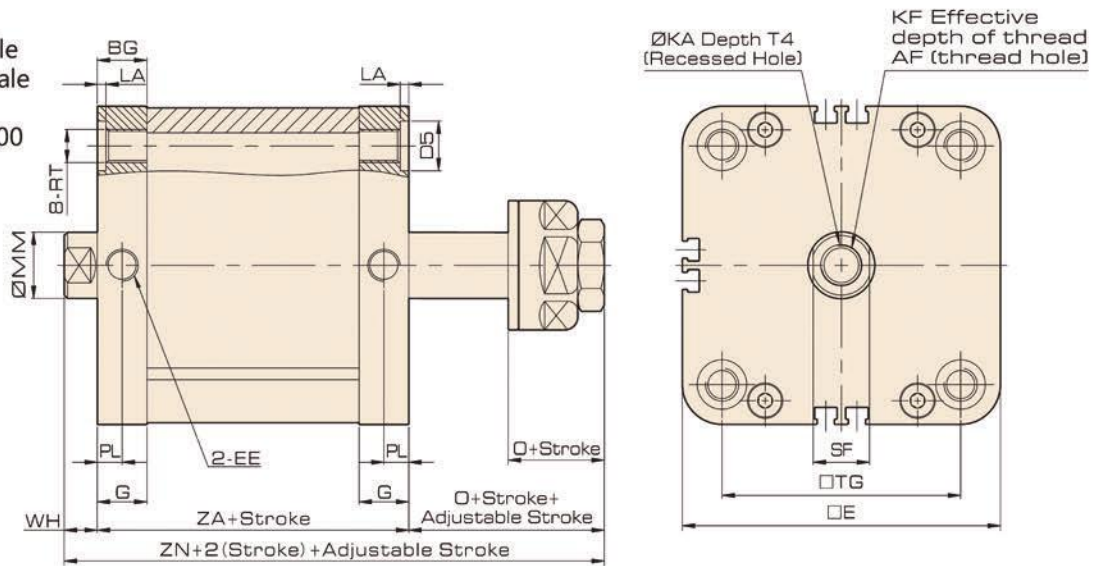
Overall Dimension

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		47.5	14			8.5		M8×1.25	M10×1.25			
40		55				10.5		M10×1.5	M12×1.25			
50		22	20	16	12	66	G1/8	15	12.5	M12×1.75	M16×1.5	
63		78.3										
80		28	17	-	-	96	21	-	-	-	-	
100		116										

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	7.5	M8×1.25	23	13	7	4.7	46.5	8	49	85
63				56.5					54		93	
80	20	29	7.5	M10×1.5	23	17	8	6.1	72	10	54	93
100				89					67		96	

- Cylinder
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- SI A.
- SIB
- SQ
- DNT
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