ANSSION
PNEUMATIC &HYDRAULIC

ISO Mini Cylinder

Double Acting, Single Rod / Double rod; Single Acting, Spring Return

Series DSNU

◆ How to Order

DSNU | 25 | – | 80 | – | PPV | – | A | – | MQ | – | |

Piston Rod

Nil	Single rod
S2	Double rod (only for double acting)

Head / End cover style

Nil	Basic type
MQ	Lateral air connection
MA	Axial air connection
MH	With mounting flange on bearing cap

Magnet

A	Built-in magnet

Cushion

P	rubber bumper
PPV*	Adjustable air cushion at both ends

* PPV is only available for double acting (DSNU),except ϕ8,10 mm

Cylinder stroke(mm)

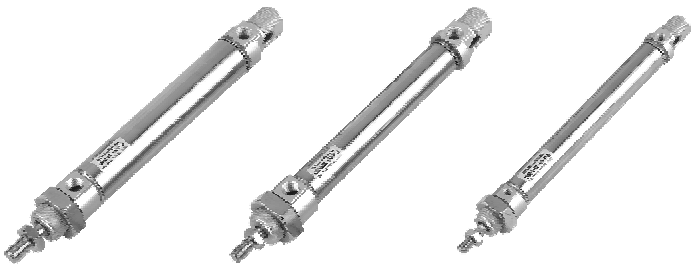
10...2000mm

Bore size (mm)

8	**10**	**12**	**16**	**20**	**25**

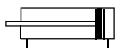
Model:

DSNU	Double-acting
ESNU	Single-acting,spring return
Conforms to	■ISO 6432

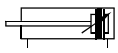


Symbol

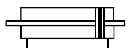
DSNU□-□-P-A



DSNU□-□-PPV-A

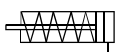


DSNU□-□-P-A-S2

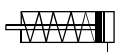


DSNU□-□-PPV-A-S2

ENSU□-□-P



ENSU□-□-P-A



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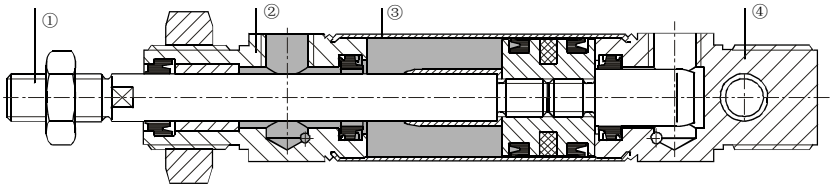
◆ Specifications

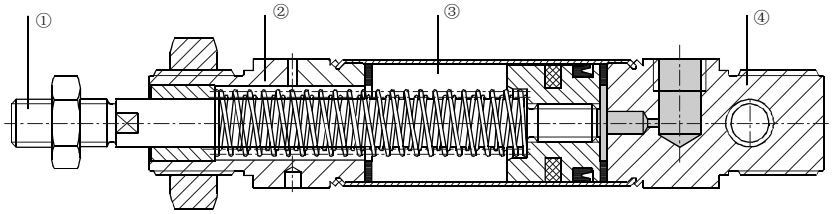
Bore size (mm)		8	10	12	16	20	25
Action	DNSU	Double Acting, single rod / double rod					
	ENSU	Single acting, spring return					
Fluid		Filtered compressed air					
Proof pressure		1.5MPa					
Operating pressure range	DNSU	0.08~1.0Mpa	0.05~1.0MPa				
	ENSU	0.15~1.0Mpa	0.12~1.0MPa				
Ambient and fluid temperature		-20~80℃(No freezing)					
Port size		M5				G1/8	
Piston rod thread		M4		M6		M8	M10×1.25
Cushion	DNSU	Rubber bumper					
		-		Adjustable air cushion at both ends			
	ENSU	Rubber bumper					

Note): Please contact with ANSSION for the mounting accessories.

◆Materials



①Piston rod	High-alloy stainless steel
② Bearing cap	Wrought aluminium alloy
③ Cylinder barrel	High-alloy stainless steel
④ End cap	Wrought aluminium alloy
-Seals	Polyurethane, nitrile rubber

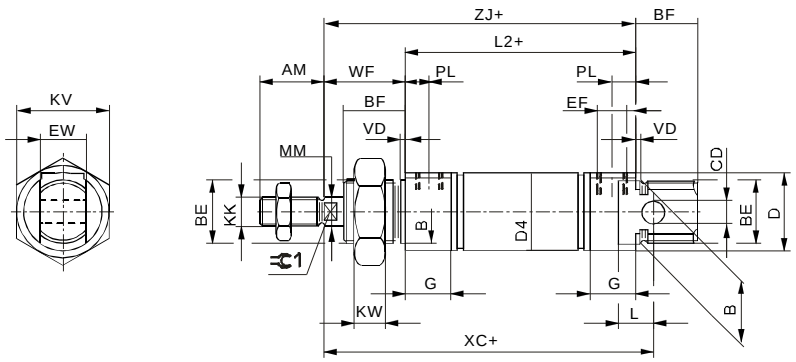


① Piston rod	High-alloy stainless steel
② Bearing cap	Wrought aluminium alloy
③ Cylinder barrel	High-alloy stainless steel
④ End cap	Wrought aluminium alloy
-Seals	Polyurethane, nitrile rubber
-Spring	Spring steel

◆ Dimensions

DSNU□-□-P-A

(Basic style)



+ = plus stroke length

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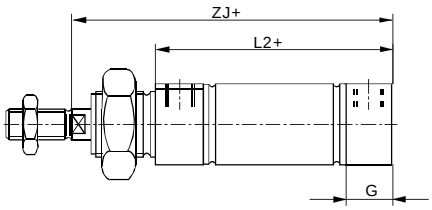
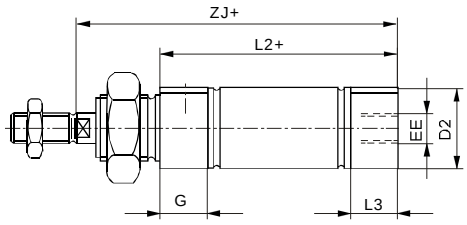
Bore size (mm)	AM	B Φ h9	BE	BF	CD Φ E10	D Φ	D4 Φ	EE	EW	G	KK	KV
8	12	12	M12×1.25	12	4	15	9.3	M5	8	10	M4	19
10	12	12	M12×1.25	12	4	15	11.3	M5	8	10	M4	19
12	16	16	M16×1.5	17	6	20	13.3	M5	12	10	M6	24
16	16	16	M16×1.5	17	6	20	17.3	M5	12	10	M6	24
20	20	22	M22×1.5	20	8	27	21.3	G1/8	16	16	M8	32
25	22	22	M22×1.5	22	8	27	26.5	G1/8	16	16	M10×1.25	32

Bore size (mm)	KW	L	L2	MM Φ	PL	TO	VD	WF	XC ±1	ZJ	=(1
8	6	6	46	4	6	18	2	16	64	62	-
10	6	6	46	4	6	18	2	16	64	62	-
12	8	9	50	6	6	23	2	22	75	72	5
16	8	9	56	6	6	23	2	22	82	78	5
20	11	12	68	8	8.2	31	2	24	95	92	7
25	11	12	69.5	10	8.2	31	2	28	104	97.2	9

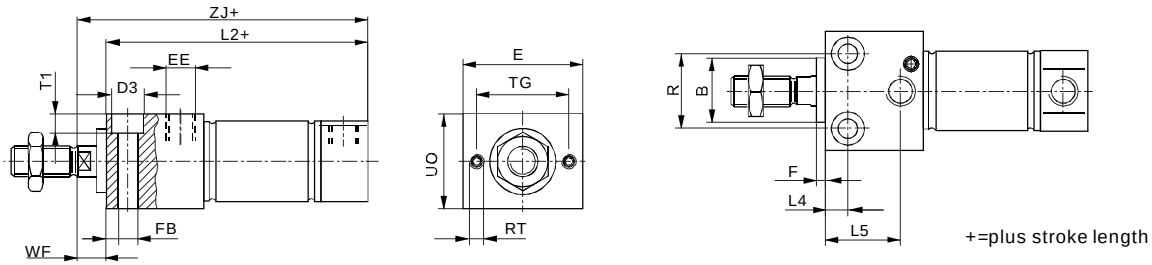
MQ:Lateral air connection



MA: Axial air connection

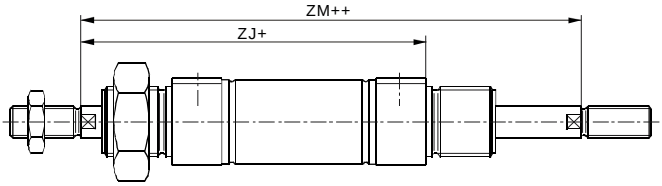


MH: with direct mounting block



+=plus stroke length

S2: Double rod style



+ = plus stroke length
++ = plus stroke length

Bore size (mm)	B Φ h9	D2 Φ	D3 Φ	E	EE	F	FB Φ	G	L2		
										-MA	-MH
8	12	10.5	6	24	M5	3	3.4	10	46	43.6	53.5
10	12	12.5	6	24	M5	3	3.4	10	46	43.1	53.8
12	16	14.5	8	30	M5	3	4.5	10	50	47.7	62
16	16	17.5	8	30	M5	3	4.5	10	56	53.7	67.5
20	22	21.7	10	40	G1/8	3	5.5	16	68	66.5	81.5
25	22	26.7	11	40	G1/8	3	6.6	16	69.5	68.5	86.2

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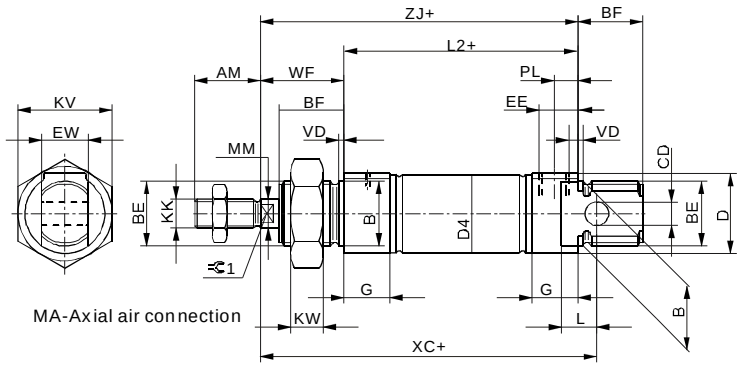
Bore size (mm)	L3	L4	L5	R	RT	TG	T1	UO	WF	ZJ		
										-MQ	-MA	-MH
8	7.6	5	14	12	M3	18	3.4	16	8	62	59.6	61.5
10	7.1	5	14	12	M3	18	3.4	16	8	62	59.1	61.8
12	7.7	6	18.1	16	M4	23	4.5	22	10	72	69.7	72
16	7.7	6	18.1	16	M4	23	4.5	22	10	78	75.7	77.8
20	14.5	7.5	22.4	22	M5	31	5.5	28	10	92	90.5	91.5
25	14	7.5	25.2	25	M5	31	6.6	32	11	97.5	96.5	97.2

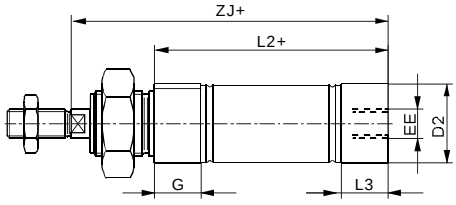
Bore size (mm)	A1 max.	A2 max.	A3 max.	AM	AF	KF	KK		T4	WF	ZJ			ZM
							Basic thread	Special thread1)			-MQ	-MA	-MH	
8	15	50	4	12	-	-	M4	-	-	16	62	59.6	61.5	78.4
10	15	50	4	12	-	-	M4	-	-	16	62	59.1	61.8	78.4
12	20	100	4	16	-	-	M6	-	-	22	72	69.7	72	94
16	20	100	4	16	-	-	M6	-	-	22	78	75.7	77.8	100
20	25	100	8	20	12	M4	M8	-	2	24	92	90.5	91.5	116
25	35	100	8	22	12	M6	M10×1.25	M10	2.6	28	97.5	96.5	97.2	125.5

ESNU□-□-P-A

(Spring return style)



+ = plus stroke length



+ = plus stroke length

Bore size (mm)	AM	B Φ h9	BE	BF	CD Φ E10	D Φ	D2 Φ	D4 Φ	EE	EW	G	KK	KV
8	12	12	M12×1.25	12	4	15	10.5	9.3	M5	8	10	M4	19
10	12	12	M12×1.25	12	4	15	12.5	11.3	M5	8	10	M4	19
12	16	16	M16×1.5	17	6	20	14.5	13.3	M5	12	10	M6	24
16	16	16	M16×1.5	17	6	20	17.5	17.3	M5	12	10	M6	24
20	20	22	M22×1.5	20	8	27	21.7	21.3	G1/8	16	16	M8	32
25	22	22	M22×1.5	22	8	27	26.7	26.5	G1/8	16	16	M10×1.25	32

Bore size (mm)	KW	L	L2 -MA		L3	MM Φ	PL	VD	WF	XC ±1	ZJ	-MA	KV
8	6	6	46	43.6	7.6	4	6	2	16	64	62	59.6	-
10	6	6	46	43.1	7.1	4	6	2	16	64	62	59.1	-
12	8	9	50	47.7	7.7	6	6	2	22	75	72	69.7	5
16	8	9	56	53.7	7.7	6	6	2	22	82	78	75.7	5
20	11	12	68	66.5	14.5	8	8.2	2	24	95	92	90.5	7
25	11	12	69.5	68.5	14	10	8.2	2	28	104	97.5	96.5	9