

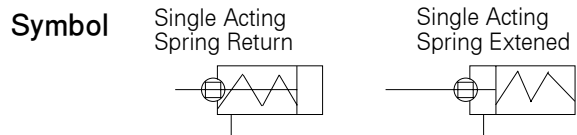
Series AXKS

Non-Rotating Piston Rod Type/Single Acting:Spring Return, Spring Extended

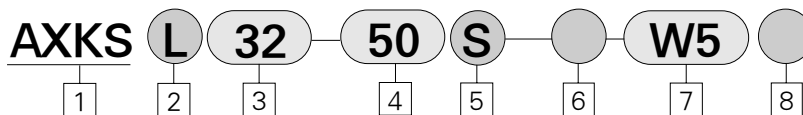
Bore Size(mm) : ϕ 20, ϕ 25, ϕ 32, ϕ 40



- NUMEROUS MOUNTING OPTIONS
- MAGNET STANDARD FOR AUTO SWITCH
- BUMPERS STANDARD
- DESIGNED FOR NON-LUBRICATED SERVICE
- COMPACT LIGHT DESIGN
- REPLACEABLE ROD GLAND
- CUSTOM DESIGNED PISTON ROD FOR NON-ROTATION AND LONG ROD SEAL LIFE
- MANUFACTURING CERTIFIED TO ISO 9001 / 9002



How to Order



1 Non-Rotating Piston Rod Type

2 Mounting

- B : Basic Type
- L : Axial Foot Type
- F : Rod Side Flange Type
- G : Head Side Flange Type
- C : Single Clevis Type
- D : Double Clevis Type
- T : Head Side Trunnion Type
- U : Rod Side Trunnion Type
- E : Integrated Clevis Type
- BZ : Boss-Cut Basic Type
- FZ : Boss-Cut Flange Type
- UZ : Boss-Cut Trunnion Type

3 Bore Size(mm)

- 20: ϕ 20
- 25: ϕ 25
- 32: ϕ 32
- 40: ϕ 40

4 Stroke/mm

※ For Stroke Refer to page A-90.

5 Action

- S : Single Acting Spring Return
- T : Single Acting Spring Extend

6 Special Option

- Blank : Standard Type
- XC16 : Copper-Free

7 Applicable Auto Switch Reed Switch

(Band mounted type)
(Grommet)

- Blank : Without auto switch
- W5 : W5

Standard Lead 0.5m
(Up to 3m Optional)
(Example) W5 → W5L

8 Number of Switches

- Blank : 2 pcs.
- S : 1 pc.
- N : n pcs.

ACP

UACP

AX

AS

AM

AL
ALX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

AMR

UAMR

AST

W~

Series AXKS

Model					
Bore Size(mm)		φ 20	φ 25	φ 32	φ 40
Type		Air Cylinder			
Cushion		Rubber Cushion (Standard)			
Piping Method	Screwed Type	Rc(PT) 1/8	Rc(PT) 1/8	Rc(PT) 1/8	Rc(PT) 1/4

Specifications		
Action	Spring Return Spring Extended	
Fluid	Air	
Proof Pressure	15kgf/cm ² (1.5 MPa)	
Max. Operating Pressure	9.9kgf/cm ² (1.0 MPa)	
Min. Operating Pressure	180 kgf/cm ²	230 kgf/cm ²
Ambient and Fluid Temperature	40~140°F (5~60°C)	
Lubrication	None (Non-Lube)	
Thread Tolerance	KS 2 Class	
Stroke Tolerance	+1.4 0 mm	
Mounting	Basic Type, Axial Foot Type, Rod Side Flange Type, Head Side Flange Type, Single Clevis Type, Double Clevis Type, Rod Side Trunnion Type, Head Side Trunnion Type, Integrated Clevis Type, Boss-Cut Type.	
Non-Rotating Accuracy	φ 20, φ 25	±0.8 °
	φ 32, φ 40	±0.5 °

Piston Speed				
Bore Size (mm)	φ 20	φ 25	φ 32	φ 40
Piston Speed (mm/sec)	50~500			
Allowable Kinetic Energy (kgf-cm)	2.7	4	6.5	12

Auto Switch Specifications		
Mounting	Lead Wire Entry	Reed Switch
Band Mounting Type	Grommet	W5

Standard Stroke	
Bore size(mm)	Standard Stroke (mm)
φ 20	25, 50, 75, 100, 125, 150
φ 25	25, 50, 75, 100, 125, 150
φ 32	25, 50, 75, 100, 125, 150, 200,
φ 40	25, 50, 75, 100, 125, 150, 200, 250

Boss-Cut Type

Boss for the head cover bracket is eliminated and the total length of the cylinder is shortened.

Compared to the Total Length of Cylinder

(Compared to the basic type) (mm)			
φ 20	φ 25	φ 32	φ 40
▲13	▲13	▲13	▲16

Mounting

- Boss-Cut Basic Type(BZ)
- Boss-Cut Flange Type(FZ)
- Boss-Cut Trunnion Type(UZ)

※ Spring return/():spring extended

Mounting and Accessories

Accessories	Standard			Option	
	Mounting Nut	Rod End Nut	Clevis Pin	Single Knuckle Joint	Double Knuckle Joint
Basic Type	● (1pc.)	●	-	●	●
Axial Foot Type	● (2)	●	-	●	●
Rod Side Flange Type	● (1)	●	-	●	●
Head Side Flange Type	● (1)	●	-	●	●
Integrated Clevis Type	-	●	-	●	●
Single Clevis Type	-	●	-	●	●
Double Clevis Type	-	●	●	●	●
Head Side Trunnion Type	● (1)	●	-	●	●
Rod Side Trunnion Type	● (1)	●	-	●	●
Boss-Cut Basic Type	● (1)	●	-	●	●
Boss-Cut Flange Type	● (1)	●	-	●	●
Boss-Cut Trunnion Type	● (1)	●	-	●	●
Note					With pin

ACP

UACP

AX

AS

AM

AL
ALX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

AMR

UAMR

AST

W~

Weight Table

(kgf)

Bore Size(mm)		φ 20	φ 25	φ 30	φ 40
Basic Weight	25 Stroke	0.20(0.19)	0.31(0.30)	0.43(0.41)	0.78(0.75)
	50 Stroke	0.23(0.21)	0.34(0.33)	0.48(0.45)	0.86(0.83)
	75 Stroke	0.29(0.25)	0.43(0.41)	0.61(0.56)	1.08(0.99)
	100 Stroke	0.31(0.27)	0.47(0.44)	0.66(0.56)	1.14(1.06)
	125 Stroke	0.37(0.32)	0.56(0.52)	0.66(0.60)	0.34(1.23)
	150 Stroke	0.39(0.34)	0.59(0.55)	0.81(0.72)	1.39(1.31)
	175 Stroke	-(-)	- (-)	0.85(0.76)	1.71(1.54)
	200 Stroke	-(-)	- (-)	1.04(0.92)	2.00(1.78)
Mounting Bracket Weight	Foot type	0.15(0.15)	0.16(0.16)	- (-)	0.27(0.27)
	Flange type	0.06(0.06)	0.09(0.09)	0.16(0.16)	0.12(0.12)
	Single clevis type	0.04(0.04)	0.04(0.04)	0.09(0.09)	0.09(0.09)
	Double Knuckle Joint(with PIN) type	0.05(0.05)	0.06(0.06)	0.04(0.04)	0.13(0.13)
	Double clevis type	0.04(0.04)	0.07(0.07)	0.06(0.06)	0.10(0.10)
	Trunnion type	-0.02(-0.02)	-0.02(-0.02)	0.07(0.07)	-1.14(-0.04)
	Integrated clevis type	-0.01(-0.01)	-0.02(-0.02)	-0.01(-0.01)	-0.03(-0.03)
	Boss-cut basic type	0.05(0.05)	0.07(0.07)	-0.02(-0.02)	0.09(0.09)
Accessories	Boss-cut flange type	0.03(0.03)	0.05(0.05)	0.07(0.07)	0.07(0.07)
	Boss-cut trunnion type	0.06(0.06)	0.06(0.06)	0.05(0.05)	0.23(0.23)
	Single knuckle joint type	0.07(0.07)	0.07(0.07)	0.06(0.06)	0.20(0.20)

Calculation

Example: AXKL32-100S(Bore size φ 32, Foot type, 100st)

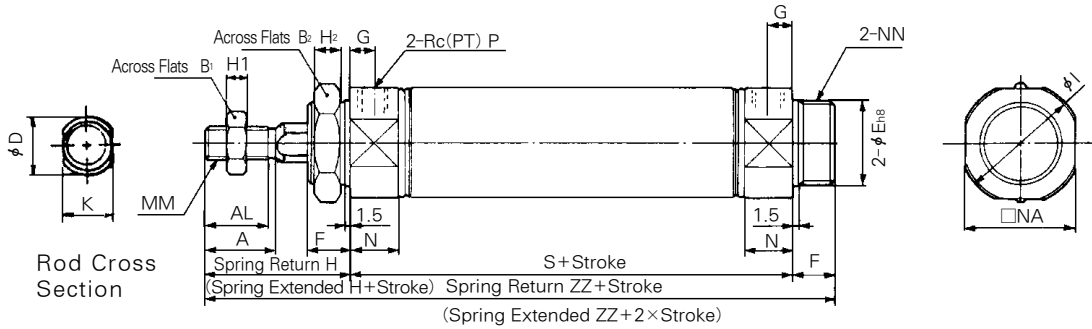
Basic weight...0.66 + (Mounting bracket weight)0.16=0.82kgf

Series AXKS

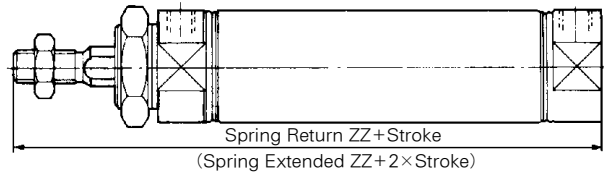
Basic Type (B)

AXKB (Bore Size) (Stroke) S
T

Basic Type



Boss-Cut Type



(mm)

Bore Size	A	AL	B	B ₁	B ₂	C ₂	D	E	F	FD	FT	FX	FY	FZ	G	H	H ₁	H ₂	I	K	MM	N	NA	NN	P
φ20	18	15.5	34	13	26	30	10 ^{-0.01/-0.05}	20 ^{0/-0.033}	13	7	4	60	—	75	8	41	5	8	27	8 ^{-0.01/-0.05}	M8×1.25	15	24	M20×1.5	1/8
φ25	22	19.5	40	17	32	37	10 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	7	4	60	—	75	8	45	6	8	33	8 ^{-0.01/-0.05}	M8×1.25	15	30	M26×1.5	1/8
φ32	22	19.5	40	17	32	37	12 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	7	4	60	—	75	8	45	6	8	37.5	10 ^{-0.01/-0.05}	M10×1.25	15	34.5	M26×1.5	1/8
φ40	24	21	52	22	41	47.3	16 ^{-0.01/-0.05}	32 ^{0/-0.039}	16	7	5	66	36	82	11	50	8	10	46.5	14 ^{-0.01/-0.05}	M14×1.5	21.5	42.5	M32×2	1/4

Stroke Dimension Adder (mm)

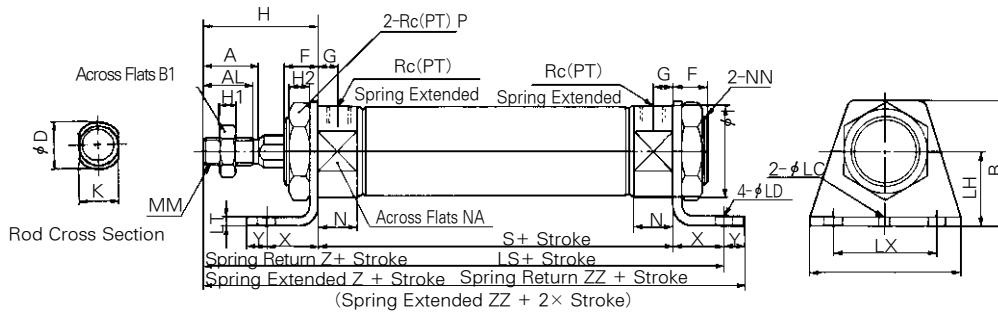
Stroke Symbol	1~50		51~100		101~150		151~200		201~250	
	S	ZZ	S	ZZ	S	ZZ	S	ZZ	S	ZZ
φ20	87	141	112	166	137	191	—	—	—	—
φ25	87	145	112	170	137	195	—	—	—	—
φ32	89	147	114	172	139	197	164	222	—	—
φ40	113	179	138	204	163	229	188	254	213	279

Boss-Cut Type (mm)

Stroke Symbol	1~50		51~100		101~150		151~200		201~250	
	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	
φ20	128	153	178	—	—	—	—	—	—	
φ25	132	157	182	—	—	—	—	—	—	
φ32	134	159	184	209	—	—	—	—	—	
φ40	163	188	213	238	263	—	—	—	—	

Foot Type(L)

AXKL Bore Size Stroke S



(mm)

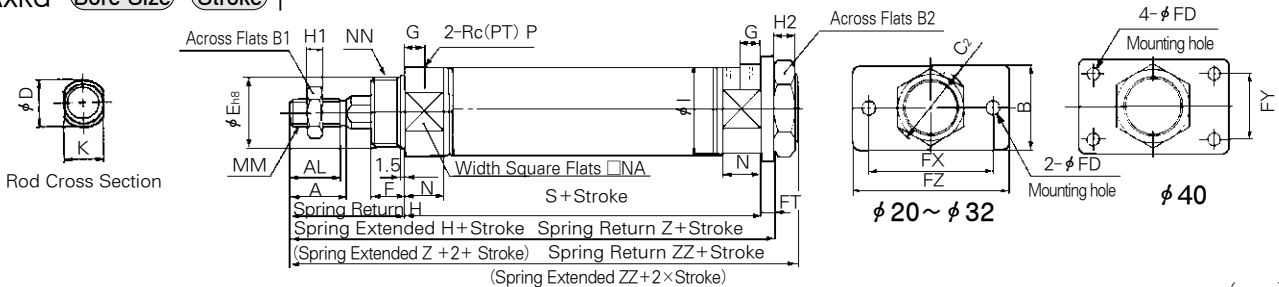
Bore Size	A	AL	B	B ₁	B ₂	D	F	G	H	H ₁	H ₂	I	K	LC	LD	LH	LT	LX	LZ	MM	N	NA	NN	P	X	Y	Z
φ20	18	15.5	40	13	26	10 ^{-0.01/-0.05}	13	8	45	5	8	27	8 ^{-0.01/-0.05}	4	6.8	25	3.2	40	55	M8×1.25	15	24	M20×1.5	1/8	20	8	21
φ25	22	19.5	47	17	32	10 ^{-0.01/-0.05}	13	8	45	6	8	33	8 ^{-0.01/-0.05}	4	6.8	28	3.2	40	55	M8×1.25	15	30	M26×1.5	1/8	20	8	25
φ32	22	19.5	47	17	32	12 ^{-0.01/-0.05}	13	8	45	6	8	37.5	10 ^{-0.01/-0.05}	4	6.8	28	3.2	40	55	M10×1.25	15	34.5	M26×1.5	1/8	20	8	25
φ40	24	21	54	22	41	16 ^{-0.01/-0.05}	16	11	50	8	10	46.5	14 ^{-0.01/-0.05}	4	7	30	3.2	55	75	M14×1.5	21.5	42.5	M32×2	1/4	23	10	27

Stroke Dimension Adder

Stroke Symbol	1~50			51~100			101~150			151~200			201~250		
	S	LS	ZZ	S	LS	ZZ	S	LS	ZZ	S	LS	ZZ	S	LS	ZZ
φ20	87	127	156	112	152	181	137	177	206	-	-	-	-	-	-
φ25	87	127	160	112	152	185	137	177	210	-	-	-	-	-	-
φ32	89	129	162	114	154	187	139	179	212	164	204	237	-	-	-
φ40	113	159	196	138	184	221	163	209	246	188	234	271	213	259	296

Head Side Flange Type(G)

AXKG Bore Size Stroke S



(mm)

Bore Size	A	AL	B	B ₁	B ₂	C ₂	D	E	F	FD	FT	FX	FY	FZ	G	H	H ₁	H ₂	I	K	MM	N	NA	NN	P	Z
φ20	18	15.5	34	13	26	30	10 ^{-0.01/-0.05}	20 ^{0/-0.033}	13	7	4	60	-	75	8	41	5	8	27	8 ^{-0.01/-0.05}	M8×1.25	15	24	M20×1.5	1/8	37
φ25	22	19.5	40	17	32	37	10 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	7	4	60	-	75	8	45	6	8	33	8 ^{-0.01/-0.05}	M8×1.25	15	30	M26×1.5	1/8	41
φ32	22	19.5	40	17	32	37	12 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	7	4	60	-	75	8	45	6	8	37.5	10 ^{-0.01/-0.05}	M10×1.25	15	34.5	M26×1.5	1/8	41
φ40	24	21	52	22	41	47.3	16 ^{-0.01/-0.05}	32 ^{0/-0.039}	16	7	5	66	36	82	11	50	8	10	46.5	14 ^{-0.01/-0.05}	M14×1.5	21.5	42.5	M30×2	1/4	45

Stroke Dimension Adder

(Unit : mm)

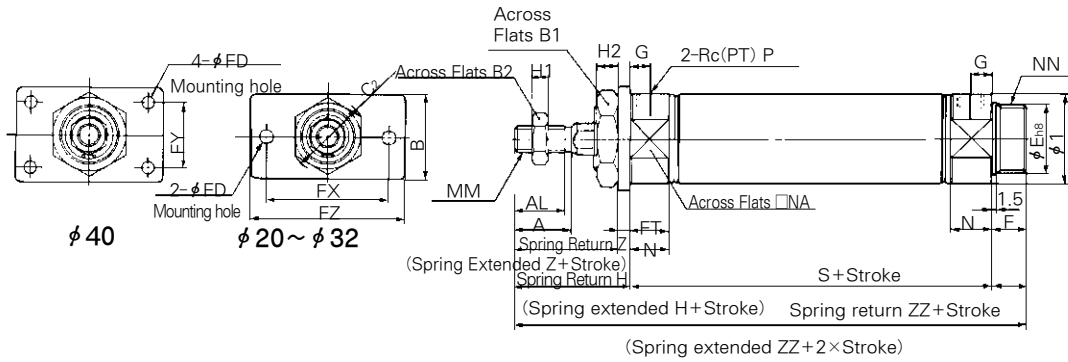
Stroke Symbol	1~50			51~100			101~150			151~200			201~250		
	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ
φ20	87	132	141	112	157	166	137	182	191	-	-	-	-	-	-
φ25	87	136	145	112	161	170	137	186	195	-	-	-	-	-	-
φ32	89	138	147	114	163	172	139	188	197	164	213	222	-	-	-
φ40	113	168	179	138	193	204	163	218	229	188	243	254	213	268	279

- ACP
- UACP
- AX
- AS
- AM
- AL ALX
- UARD
- UAQ
- AJ
- AG
- UAG
- ADM
- ADR
- AMR
- UAMR
- AST
- W~

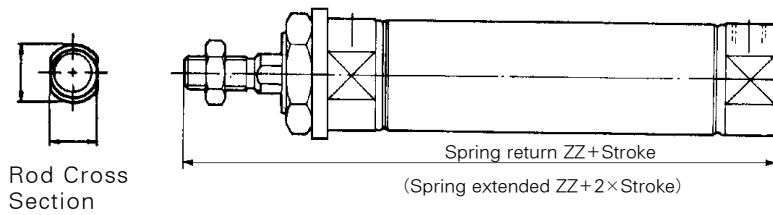
Series AXKS

Rod Side Flange Type(F)

AXKF Bore Size Stroke $\frac{S}{T}$



Boss-Cut type



※ This Drawing is Spring Extended.

(mm)

Bore Size	A	AL	B	B ₁	B ₂	C ₂	D	E	F	FD	FT	FX	FY	FZ	G	H	H ₁	H ₂	I	K	MM	N	NA	NN	P	Z
φ20	18	15.5	34	13	26	30	10 ^{-0.01/-0.05}	20 ^{0/-0.033}	13	7	4	60	—	75	8	41	5	8	27	8 ^{-0.01/-0.05}	M8×1.25	15	24	M20×1.5	1/8	37
φ25	22	19.5	40	17	32	37	10 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	7	4	60	—	75	8	45	6	8	33	8 ^{-0.01/-0.05}	M8×1.25	15	30	M26×1.5	1/8	41
φ32	22	19.5	40	17	32	37	12 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	7	4	60	—	75	8	45	6	8	37.5	10 ^{-0.01/-0.05}	M10×1.25	15	34.5	M26×1.5	1/8	41
φ40	24	21	52	22	41	47.3	16 ^{-0.01/-0.05}	32 ^{0/-0.039}	16	7	5	66	36	82	11	50	8	10	46.5	14 ^{-0.01/-0.05}	M14×1.5	21.5	42.5	M32×2	1/4	45

Stroke Dimension Adder (mm)

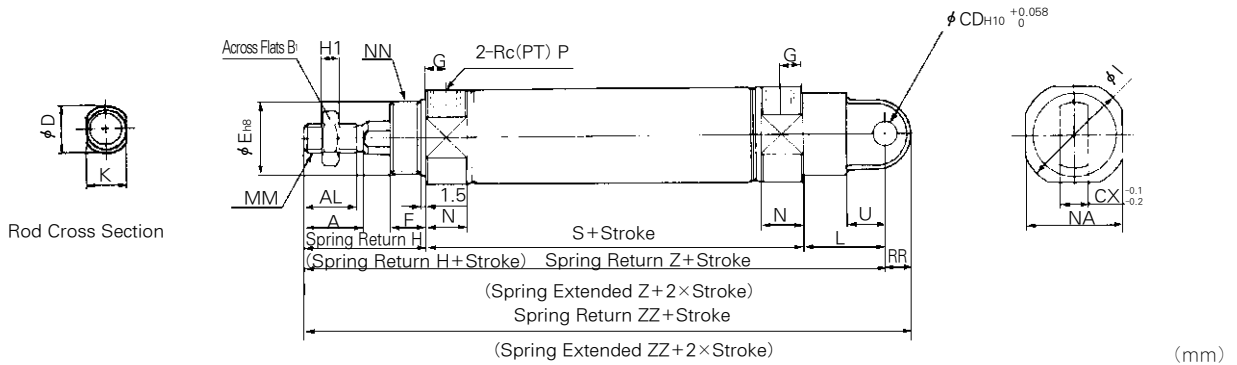
Stroke Symbol	1~50		51~100		101~150		151~200		201~250	
	S	ZZ	S	ZZ	S	ZZ	S	ZZ	S	ZZ
φ20	87	141	112	166	137	191	—	—	—	—
φ25	87	145	112	170	137	195	—	—	—	—
φ32	89	147	114	172	139	197	164	222	—	—
φ40	113	179	138	204	163	229	188	254	213	279

Boss-Cut Type/Distinction of Stroke (mm)

Stroke Symbol	1~50	51~100	101~150	151~200	201~250
	ZZ	ZZ	ZZ	ZZ	ZZ
φ20	128	153	178	—	—
φ25	132	157	182	—	—
φ32	134	159	184	209	—
φ40	163	188	213	238	263

Single Clevis Type (C)

AXKG **Bore Size** **Stroke** $\frac{S}{T}$



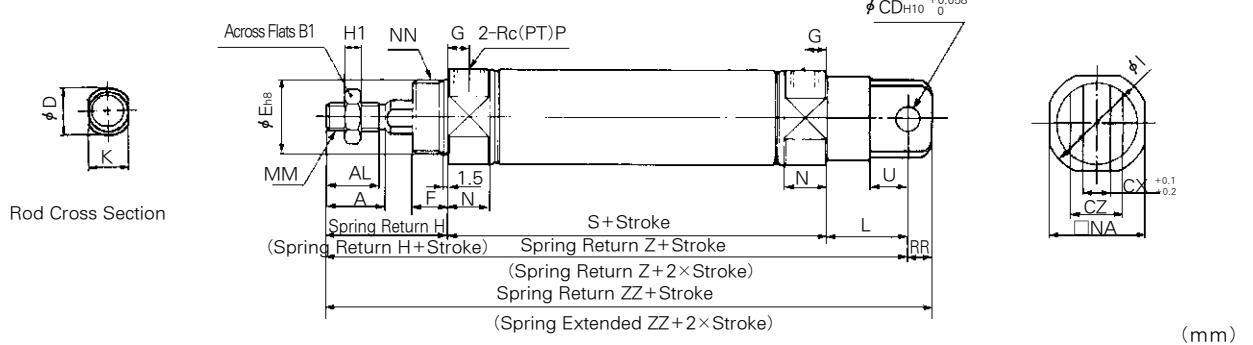
Bore Size	A	AL	B ₁	CD	CX	D	E	F	G	H	H ₁	I	K	L	MM	N	NA	NN	P	RR	U
φ 20	18	15.5	13	9	10	10 ^{-0.01/-0.05}	20 ^{0/-0.033}	13	8	41	5	27	8 ^{-0.01/-0.05}	30	M8×1.25	15	24	M20×1.5	1/8	9	14
φ 25	22	19.5	17	9	10	10 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	8	45	6	33	8 ^{-0.01/-0.05}	30	M8×1.25	15	30	M26×1.5	1/8	9	14
φ 32	22	19.5	17	9	10	12 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	8	45	6	37.5	10 ^{-0.01/-0.05}	30	M10×1.25	15	34.5	M26×1.5	1/8	9	14
φ 40	24	21	22	10	15	16 ^{-0.01/-0.05}	32 ^{0/-0.039}	16	11	50	8	46.5	14 ^{-0.01/-0.05}	39	M14×1.5	21.5	42.5	M32×2	1/4	11	18

Stroke Dimension Adder

Stroke Symbol	1~50			51~100			101~150			151~200			201~250		
	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ
φ 20	87	158	167	112	183	192	137	208	217	-	-	-	-	-	-
φ 25	87	162	171	112	187	196	137	212	221	-	-	-	-	-	-
φ 32	89	164	173	114	189	198	139	214	223	164	239	248	-	-	-
φ 40	113	202	213	138	227	238	163	252	263	188	277	288	213	302	313

Double Clevis Type (D)

AXKG **Bore Size** **Stroke** $\frac{S}{T}$



Bore Size	A	AL	B ₁	CD	CX	CZ	D	E	F	G	H	H ₁	I	K	L	MM	N	NA	NN	P	RR	U
φ 20	18	15.5	13	9	10	19	10 ^{-0.01/-0.05}	20 ^{0/-0.033}	13	8	41	5	27	8 ^{-0.01/-0.05}	30	M8×1.25	15	24	M20×1.5	1/8	9	14
φ 25	22	19.5	17	9	10	19	10 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	8	45	6	33	8 ^{-0.01/-0.05}	30	M8×1.25	15	30	M26×1.5	1/8	9	14
φ 32	22	19.5	17	9	10	19	12 ^{-0.01/-0.05}	26 ^{0/-0.033}	13	8	45	6	37.5	10 ^{-0.01/-0.05}	30	M10×1.25	15	34.5	M26×1.5	1/8	9	14
φ 40	24	21	22	10	15	30	16 ^{-0.01/-0.05}	32 ^{0/-0.039}	16	11	50	8	46.5	14 ^{-0.01/-0.05}	39	M14×1.5	21.5	42.5	M32×2	1/4	11	18

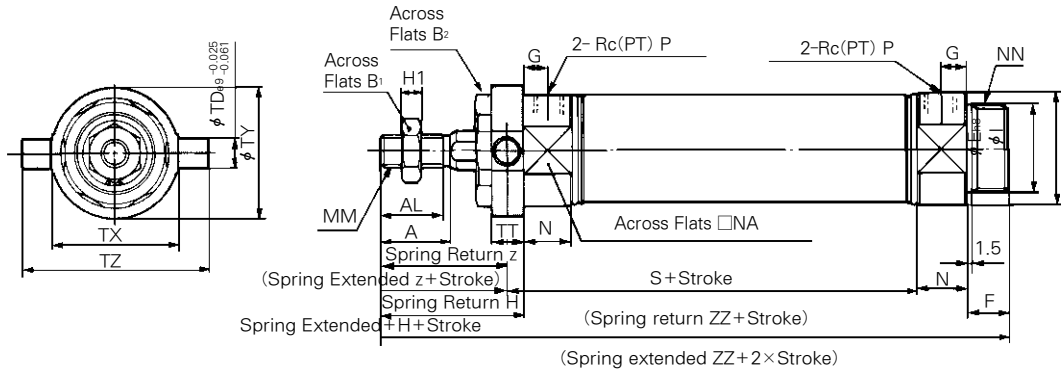
Stroke Dimension Adder

(Unit : mm)

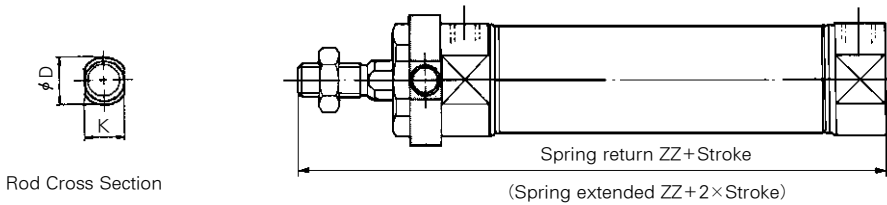
Stroke Symbol	1~50			51~100			101~150			151~200			201~250		
	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ
φ 20	87	158	167	112	183	192	137	208	217	-	-	-	-	-	-
φ 25	87	162	171	112	187	196	137	212	221	-	-	-	-	-	-
φ 32	89	164	173	114	189	198	139	214	223	164	239	248	-	-	-
φ 40	113	202	213	138	227	238	163	252	263	188	277	288	213	302	313

Rod Side Trunnion Type(U)

AXKU Bore Size Stroke $\frac{S}{T}$



Boss-cut type



Rod Cross Section

※ This Drawing is Spring Extended.

(mm)

Bore Size	A	AL	B ₁	B ₂	D	E	F	G	H	H ₁	I	K	MM	N	NA	NN	P	TD	TT	TX	TY	TZ	Z
$\phi 20$	18	15.5	13	26	10 ^{-0.01} _{-0.05}	20 ⁰ _{-0.033}	13	8	41	5	27	8 ^{-0.01} _{-0.05}	M8×1.25	15	24	M20×1.5	1/8	8	10	32	32	52	36
$\phi 25$	22	19.5	17	32	10 ^{-0.01} _{-0.05}	26 ⁰ _{-0.033}	13	8	45	6	33	8 ^{-0.01} _{-0.05}	M8×1.25	15	30	M26×1.5	1/8	9	10	40	40	60	40
$\phi 32$	22	19.5	17	32	12 ^{-0.01} _{-0.05}	26 ⁰ _{-0.033}	13	8	45	6	37.5	10 ^{-0.01} _{-0.05}	M10×1.25	15	34.5	M26×1.5	1/8	9	10	40	40	60	40
$\phi 40$	24	21	22	41	16 ^{-0.01} _{-0.05}	32 ⁰ _{-0.039}	16	11	50	8	46.5	14 ^{-0.01} _{-0.05}	M14×1.5	21.5	42.5	M32×2	1/4	10	11	53	53	77	44.5

Stroke Dimension Adder

(mm)

Stroke Symbol	1~50		51~100		101~150		151~200		201~250	
	S	ZZ	S	ZZ	S	ZZ	S	ZZ	S	ZZ
$\phi 20$	87	141	112	166	137	191	—	—	—	—
$\phi 25$	87	145	112	170	137	195	—	—	—	—
$\phi 32$	89	147	114	172	139	197	164	222	—	—
$\phi 40$	113	179	138	204	163	229	188	254	213	279

Boss-Cut Type

(mm)

Stroke Symbol	1~50		51~100		101~150		151~200		201~250	
	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	
$\phi 20$	128	153	178	—	—	—	—	—	—	
$\phi 25$	132	157	182	—	—	—	—	—	—	
$\phi 32$	134	159	184	209	—	—	—	—	—	
$\phi 40$	163	188	213	238	263	—	—	—	—	

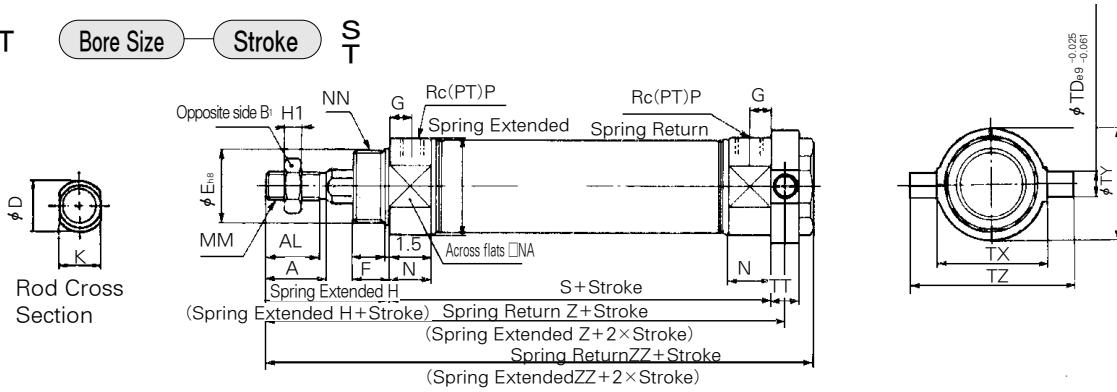
Head Side Trunnion Type (T)

AXKT

Bore Size

Stroke

S
T



(mm)

Bore Size	A	AL	B ₁	B ₂	D	E	F	G	H	H ₁	I	K	MM	N	NA	NN	P	TD	TT	TX	TY	YZ
φ20	18	15.5	13	26	10 ^{-0.01} _{-0.05}	20 ⁰ _{-0.033}	13	8	41	5	27	8 ^{-0.01} _{-0.05}	M8×1.25	15	24	M20×1.5	1/8	8	10	32	32	52
φ25	22	19.5	17	32	10 ^{-0.01} _{-0.05}	26 ⁰ _{-0.033}	13	8	45	6	33	8 ^{-0.01} _{-0.05}	M8×1.25	15	30	M26×1.5	1/8	9	10	40	40	60
φ32	22	19.5	17	32	12 ^{-0.01} _{-0.05}	26 ⁰ _{-0.033}	13	8	45	6	37.5	10 ^{-0.01} _{-0.05}	M10×1.25	15	34.5	M26×1.5	1/8	9	10	40	40	60
φ40	24	21	22	41	16 ^{-0.01} _{-0.05}	32 ⁰ _{-0.039}	16	11	50	8	46.5	14 ^{-0.01} _{-0.05}	M14×1.5	21.5	42.5	M32×2	1/4	10	11	53	53	77

Stroke Dimension Adder

(mm)

Stroke Symbol	1~50			51~100			101~150			151~200			201~250		
	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ
φ20	87	133	143	112	158	168	137	183	193	-	-	-	-	-	-
φ25	87	137	147	112	162	172	137	187	197	-	-	-	-	-	-
φ32	89	139	149	114	164	174	139	189	199	164	214	224	-	-	-
φ40	113	168.5	179	138	193.5	204	163	218.5	229	188	243.5	254	213	268.5	279

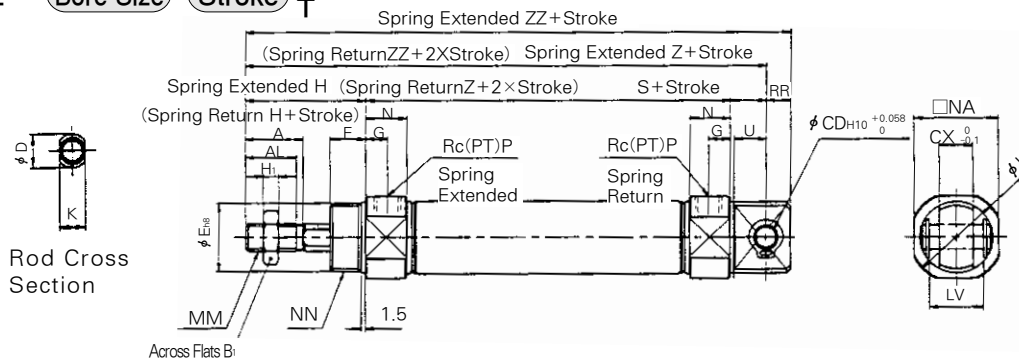
Single Clevis Type (E)

AXKE

Bore Size

Stroke

S
T



(mm)

Bore Size	A	AL	B ₁	CD	CX	D	E	F	G	H	H ₁	I	K	L	LV	MM	N	NA	NN	P	RR	U
φ20	18	15.5	13	8	12	10 ^{-0.01} _{-0.05}	20 ⁰ _{-0.033}	13	8	41	5	27	8 ^{-0.01} _{-0.05}	12	18.4	M8×1.25	15	24	M20×1.5	1/8	9	11.5
φ25	22	19.5	17	8	12	10 ^{-0.01} _{-0.05}	26 ⁰ _{-0.033}	13	8	45	6	33	8 ^{-0.01} _{-0.05}	12	18.4	M8×1.25	15	30	M26×1.5	1/8	9	11.5
φ32	22	19.5	17	10	20	12 ^{-0.01} _{-0.05}	26 ⁰ _{-0.033}	13	8	45	6	37.5	10 ^{-0.01} _{-0.05}	15	28	M10×1.25	15	34.5	M26×1.5	1/8	12	14.5
φ40	24	21	22	10	20	16 ^{-0.01} _{-0.05}	32 ⁰ _{-0.039}	16	11	50	8	46.5	14 ^{-0.01} _{-0.05}	15	28	M14×1.5	21.5	42.5	M32×2	1/4	12	14.5

Stroke Dimension Adder

(mm)

Stroke Symbol	1~50			51~100			101~150			151~200			201~250		
	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ
φ20	87	140	149	112	165	174	137	190	199	-	-	-	-	-	-
φ25	87	144	153	112	169	178	137	194	203	-	-	-	-	-	-
φ32	89	149	161	114	174	186	139	199	211	164	224	236	-	-	-
φ40	113	178	190	138	203	215	163	228	240	188	253	265	213	278	290

- ACP
- UACP
- AX
- AS
- AM
- AL
- ALX
- UARD
- UAQ
- AJ
- AG
- UAG
- ADM
- ADR
- AMR
- UAMR
- AST
- W~