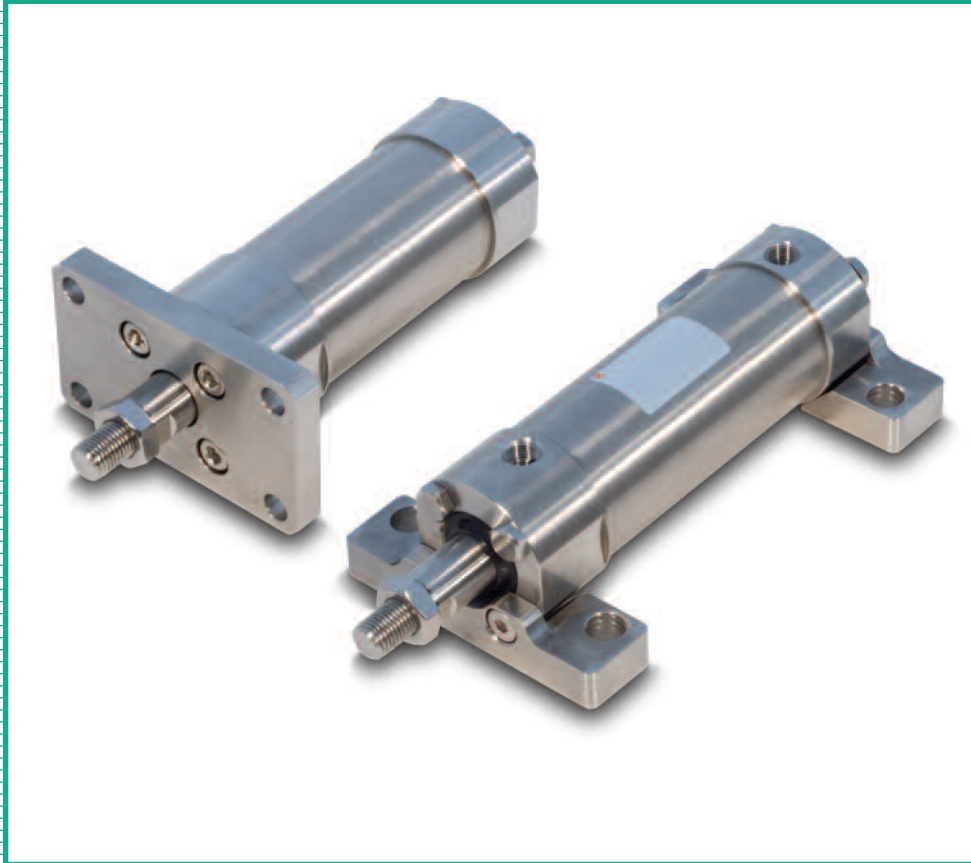




Series **CG5-X6011**

**NFPA Mounting Interchangeable
All SUS Air Cylinder**



Available in 5 bore sizes and 9 NFPA mounting options

Same quality features as the standard CG5

- All stainless steel (SUS 304) external metal parts
- Available with two types of seal material (NBR or FKM) to suit application
- Special scraper to prevent liquid from entering cylinder is standard
- Uses grease that meets FDA standards

How to Order

C D G5 X N 50 TNS R - 100 - X6011

Auto Switch

Nil	Standard
D	With Auto Switch (Magnetic Piston)

Option

X6011	CG NFPA
--------------	---------

Mounting

X	MP1	Double Rear Clevis
D	MP2	Double Detachable Rear Clevis
E	MP3	Single Rear Clevis
C	MP4	Single Detachable Rear Clevis
F	MF1	Front Flange
G	MF2	Rear Flange
L	MS1	End Angle
S	MS2	Side Lug
P	MS7	End Lug

Cushion

N	Rubber Bumper
A	Air Cushion

Stroke (mm)

Bore	Max Stroke
40	800
50	1200
63	1200
80	1400
100	1500

Seal Material

R	NBR
V	Viton

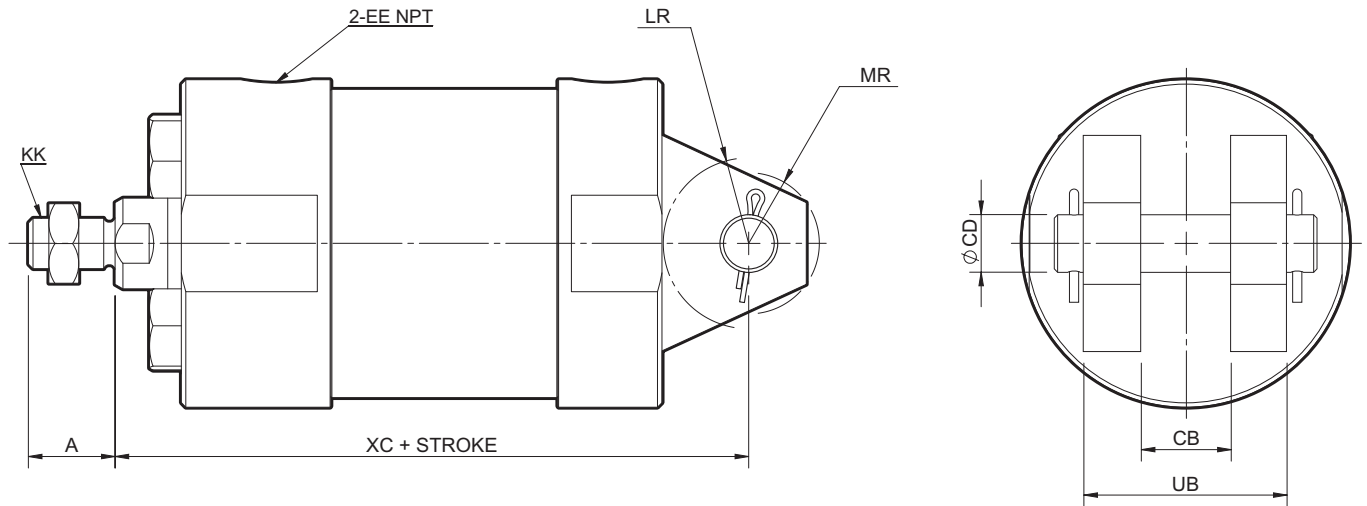
Bore (mm)

	mm	In
40	40	1.50"
50	50	2.00"
63	63	2.50"
80	80	3.25"
100	100	4.00"

Specifications

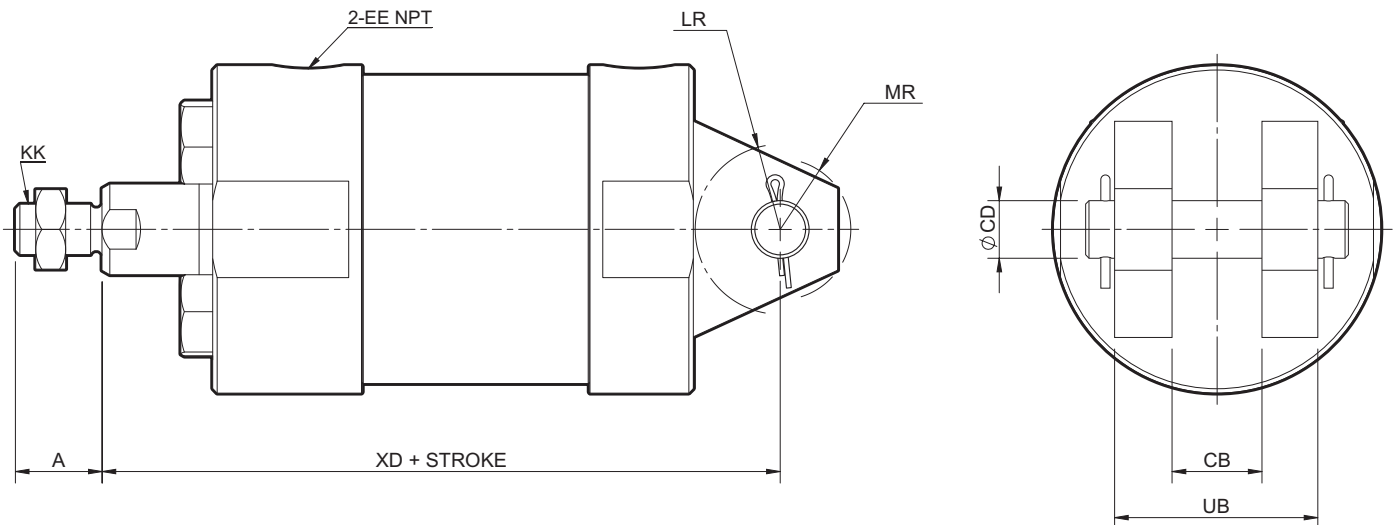
Action		Double acting single rod
Fluid		Air
Proof pressure		1.5MPa
Maximum operating pressure		1.0MPa
Minimum operating pressure		0.05MPa
Ambient and fluid temperature		Without auto switch: -10 to 70°C, With auto switch: -10 to 60°C
Cushion		Rubber bumper, Air cushion
Piston speed	ø40 to ø63	50 to 1000mm/s
	ø80, ø100	50 to 700mm/s
Thread tolerance		JIS class 2
Stroke length tolerance	ø40 to ø63	to 1000 $^{+1.4}_0$ mm, to 1200 $^{+1.5}_0$ mm
	ø80, ø100	to 1000 $^{+1.4}_0$ mm, to 1500 $^{+1.5}_0$ mm

Double Rear Clevis Mounting Type CG5X (MP1 Mounting Style)



BORE	A	CB	CD	EE	KK	LR	MR	UB	XC
40 (1.50")	0.75	0.78	0.50	1/8	7/16-20	0.75	0.63	1.75	5.38
50 (2.00")	0.75	0.78	0.50	1/4	7/16-20	0.75	0.63	1.75	5.38
63 (2.50")	0.75	0.78	0.50	1/4	7/16-20	0.75	0.63	1.75	5.50
80 (3.25")	1.13	1.28	0.75	3/8	3/4-16	1.25	0.94	2.50	6.88
100 (4.00")	1.13	1.28	0.75	1/2	3/4-16	1.25	0.94	2.50	6.88

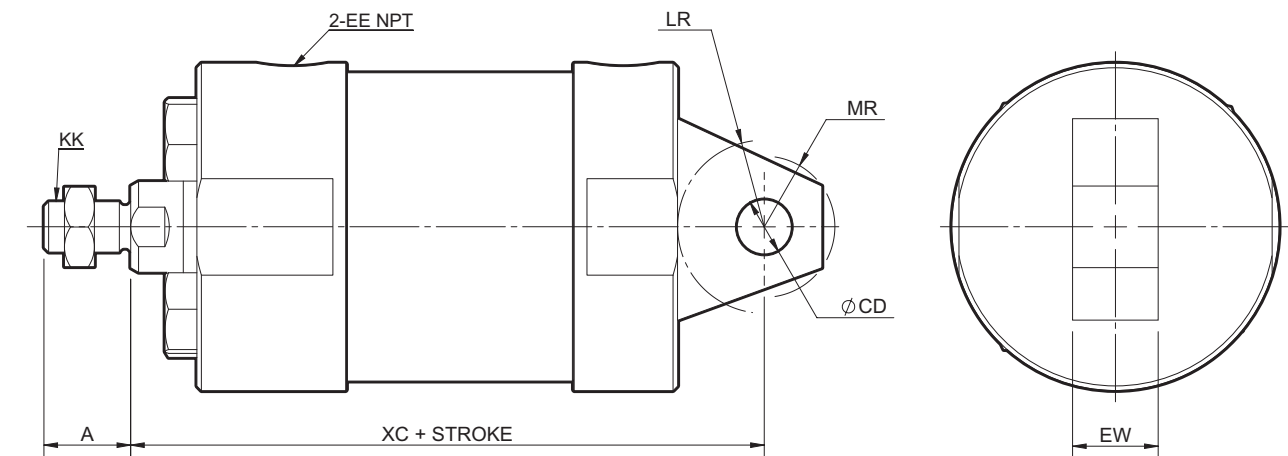
Double Rear Clevis Mounting Type CG5D (MP2 Mounting Style)



BORE	A	CB	CD	EE	KK	LR	MR	UB	XD
40 (1.50")	0.75	0.78	0.50	1/8	7/16-20	0.75	0.63	1.75	5.75
50 (2.00")	0.75	0.78	0.50	1/4	7/16-20	0.75	0.63	1.75	5.75
63 (2.50")	0.75	0.78	0.50	1/4	7/16-20	0.75	0.63	1.75	5.88
80 (3.25")	1.13	1.28	0.75	3/8	3/4-16	1.25	0.94	2.50	7.50
100 (4.00")	1.13	1.28	0.75	1/2	3/4-16	1.25	0.94	2.50	7.50

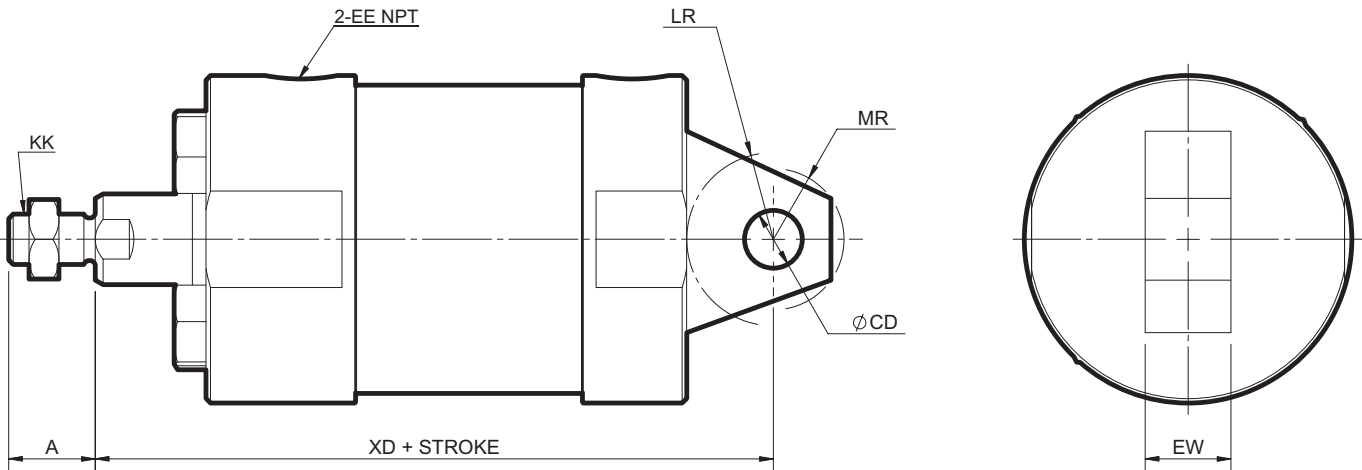
Series CG5

Single Rear Clevis Mounting Type CG5E (MP3 Mounting Style)



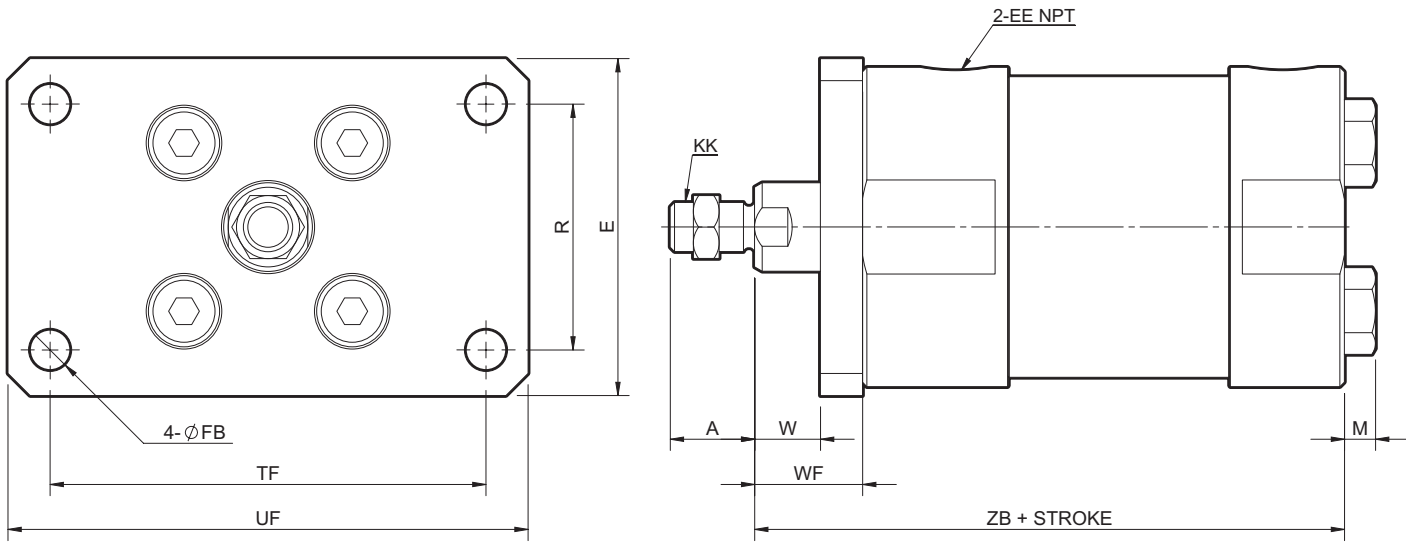
BORE	A	CD	EE	EW	KK	LR	MR	XC
40 (1.50")	0.75	0.50	1/8	0.75	7/16-20	0.75	0.63	5.38
50 (2.00")	0.75	0.50	1/4	0.75	7/16-20	0.75	0.63	5.38
63 (2.50")	0.75	0.50	1/4	0.75	7/16-20	0.75	0.63	5.50
80 (3.25")	1.13	0.75	3/8	1.25	3/4-16	1.25	0.94	6.88
100 (4.00")	1.13	0.75	1/2	1.25	3/4-16	1.25	0.94	6.88

Single Rear Clevis Mounting Type CG5C (MP4 Mounting Style)



BORE	A	CD	EE	EW	KK	LR	MR	XD
40 (1.50")	0.75	0.50	1/8	0.75	7/16-20	0.75	0.63	5.75
50 (2.00")	0.75	0.50	1/4	0.75	7/16-20	0.75	0.63	5.75
63 (2.50")	0.75	0.50	1/4	0.75	7/16-20	0.75	0.63	5.88
80 (3.25")	1.13	0.75	3/8	1.25	3/4-16	1.25	0.94	7.50
100 (4.00")	1.13	0.75	1/2	1.25	3/4-16	1.25	0.94	7.50

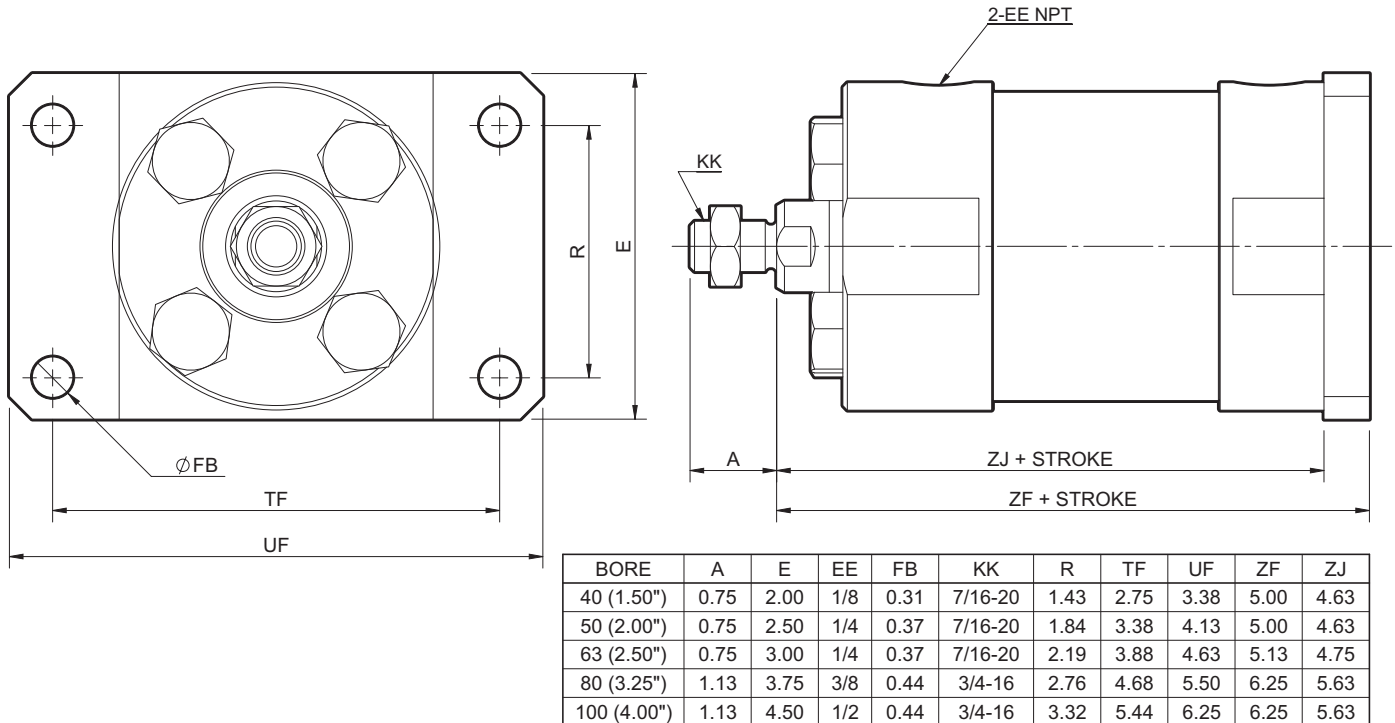
Front Flange Mounting Type CG5F (MF1 Mounting Style)



BORE	A	E	EE	FB	KK	M	R	TF	UF	W	WF	ZB
40 (1.50")	0.75	2.00	1/8	0.31	7/16-20	0.16	1.43	2.75	3.38	0.63	1.00	4.62
50 (2.00")	0.75	2.50	1/4	0.37	7/16-20	0.22	1.84	3.38	4.13	0.63	1.00	5.26*
63 (2.50")	0.75	3.00	1/4	0.37	7/16-20	0.28	2.19	3.88	4.63	0.63	1.00	5.25
80 (3.25")	1.13	3.75	3/8	0.44	3/4-16	0.28	2.76	4.68	5.50	0.75	1.38	6.51*
100 (4.00")	1.13	4.50	1/2	0.44	3/4-16	0.31	3.32	5.44	6.25	0.75	1.38	6.22*

* DENOTES DEVIATION FROM NFPA

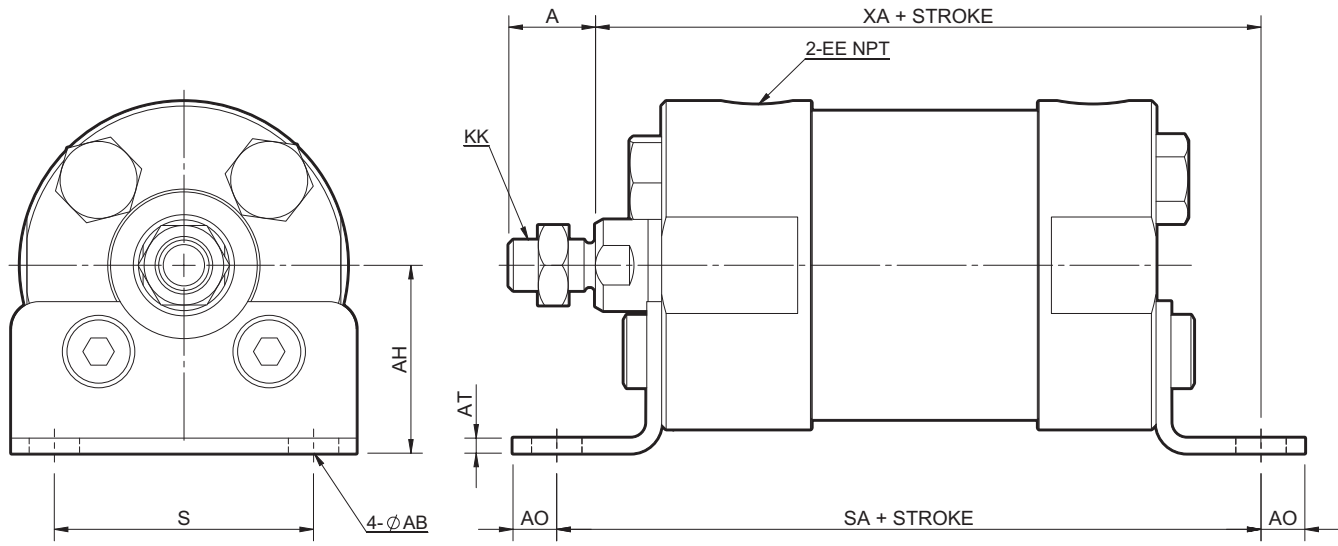
Rear Flange Mounting Type CG5G (MF2 Mounting Style)



BORE	A	E	EE	FB	KK	R	TF	UF	ZF	ZJ
40 (1.50")	0.75	2.00	1/8	0.31	7/16-20	1.43	2.75	3.38	5.00	4.63
50 (2.00")	0.75	2.50	1/4	0.37	7/16-20	1.84	3.38	4.13	5.00	4.63
63 (2.50")	0.75	3.00	1/4	0.37	7/16-20	2.19	3.88	4.63	5.13	4.75
80 (3.25")	1.13	3.75	3/8	0.44	3/4-16	2.76	4.68	5.50	6.25	5.63
100 (4.00")	1.13	4.50	1/2	0.44	3/4-16	3.32	5.44	6.25	6.25	5.63

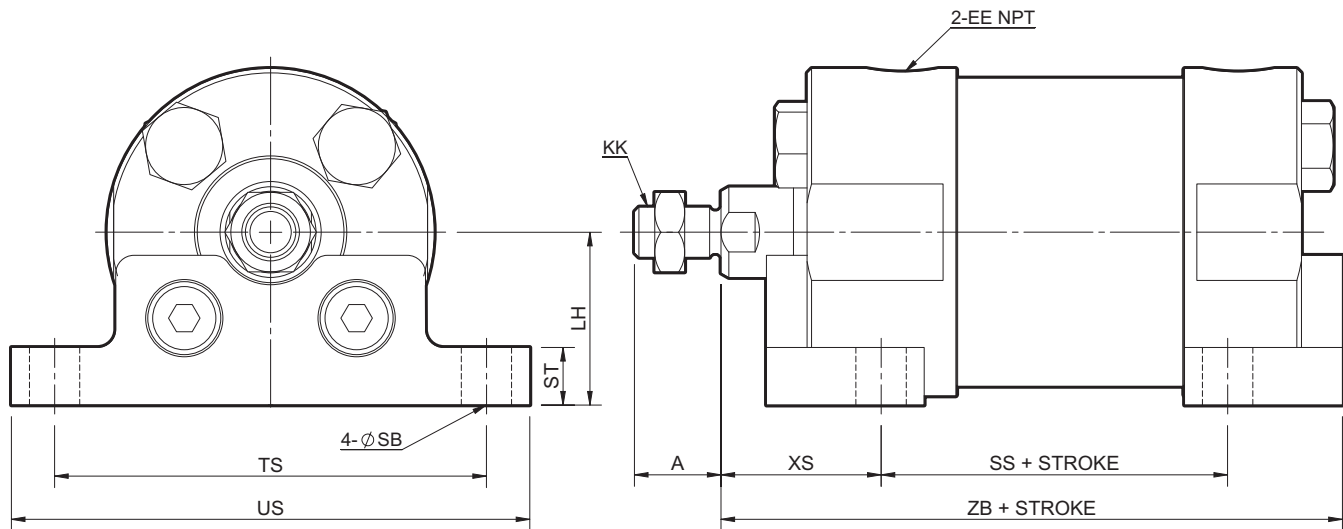
Series CG5

End Angle Mounting Type CG5L (MS1 Mounting Style)



BORE	A	AB	AH	AO	AT	EE	KK	S	SA	XA
40 (1.50")	0.75	0.44	1.18	0.38	0.13	1/8	7/16-20	1.25	6.00	5.63
50 (2.00")	0.75	0.44	1.44	0.38	0.13	1/4	7/16-20	1.75	6.00	5.63
63 (2.50")	0.75	0.44	1.63	0.38	0.13	1/4	7/16-20	2.25	6.13	5.75
80 (3.25")	1.13	0.56	1.94	0.50	0.13	3/8	3/4-16	2.75	7.38	6.88
100 (4.00")	1.13	0.56	2.25	0.50	0.19	1/2	3/4-16	3.50	7.38	6.88

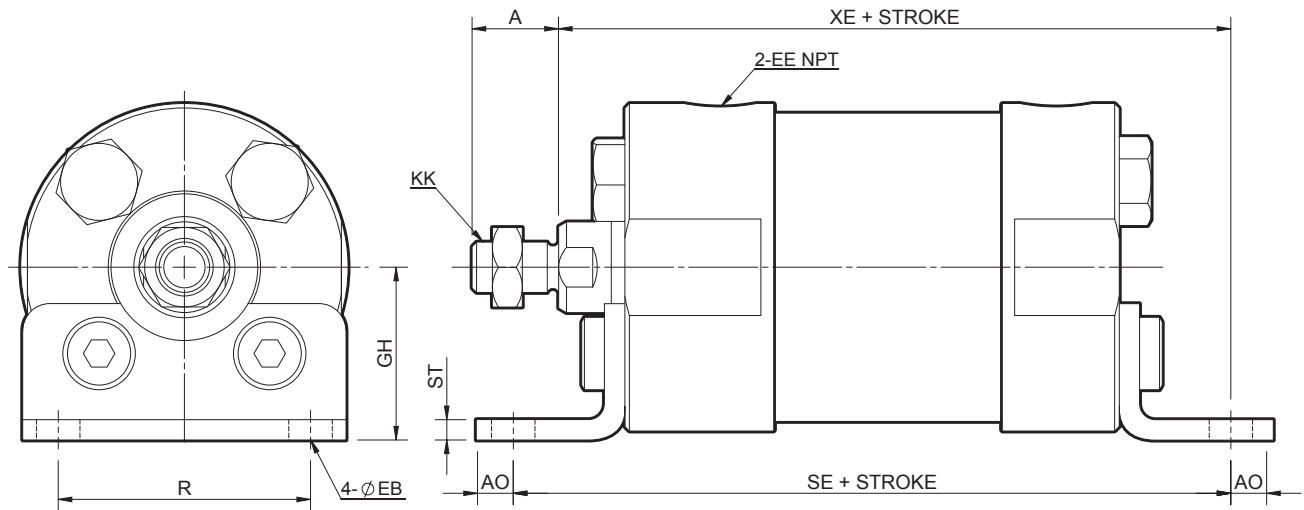
Side Lug Mounting Type CG5S (MS2 Mounting Style)



BORE	A	EE	KK	LH	SB	SS	ST	TS	US	XS	ZB
40 (1.50")	0.75	1/8	7/16-20	1.00	0.41	2.88	0.50	2.75	3.50	1.38	4.91
50 (2.00")	0.75	1/4	7/16-20	1.25	0.44*	2.88	0.50	3.25	4.00	1.38	5.32*
63 (2.50")	0.75	1/4	7/16-20	1.50	0.44*	3.00	0.50	3.75	4.50	1.38	5.39*
80 (3.25")	1.13	3/8	3/4-16	1.88	0.56*	3.25	0.75	4.75	5.75	1.88	6.41*
100 (4.00")	1.13	1/2	3/4-16	2.25	0.56*	3.25	0.75	5.50	6.50	1.88	6.48*

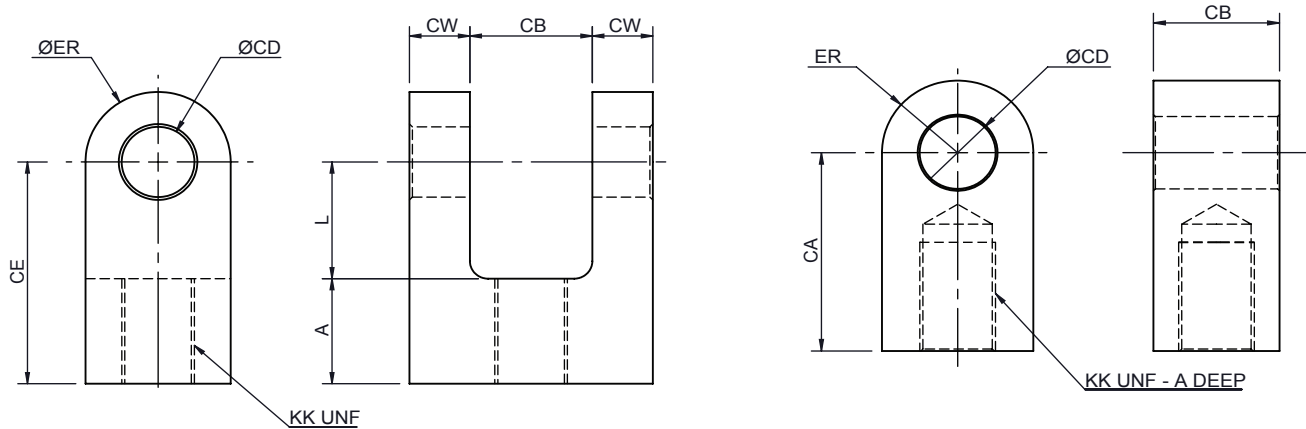
* DENOTES DEVIATION FROM NFPA

End Lug Mounting Type CG5P (MS7 Mounting Style)



BORE	A	AO	EB	EE	GH	KK	R	SE	ST	XE
40 (1.50")	0.75	0.25	0.31	1/8	1.00	7/16-20	1.43	5.50	0.13*	5.38
50 (2.00")	0.75	0.31	0.38	1/4	1.25	7/16-20	1.84	5.88	0.13*	5.56
63 (2.50")	0.75	0.31	0.38	1/4	1.50	7/16-20	2.19	6.25	0.18*	5.81
80 (3.25")	1.13	0.38	0.44	3/8	1.88	3/4-16	2.76	6.63	0.25*	6.50
100 (4.00")	1.13	0.38	0.44	1/2	2.25	3/4-16	3.32	6.88	0.31*	6.63

Rod End Accessories

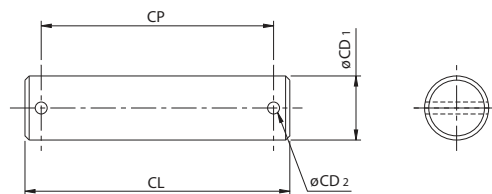


Rod Clevis

Part No.	CB	CD	CE	CW	L	A	KK	ER
NY-150SUS	0.765	0.50	1.50	0.50	0.75	0.75	7/16-20	0.50
NY-325SUS	1.265	0.75	2.38	0.63	1.25	1.13	3/4-16	0.75

Rod Eye

Part No.	A	CA	CB	CD	ER	KK
NI-150SUS	0.75	1.50	0.75	0.50	0.50	7/16-20
NI-325SUS	1.13	2.06	1.25	0.75	0.75	3/4-16



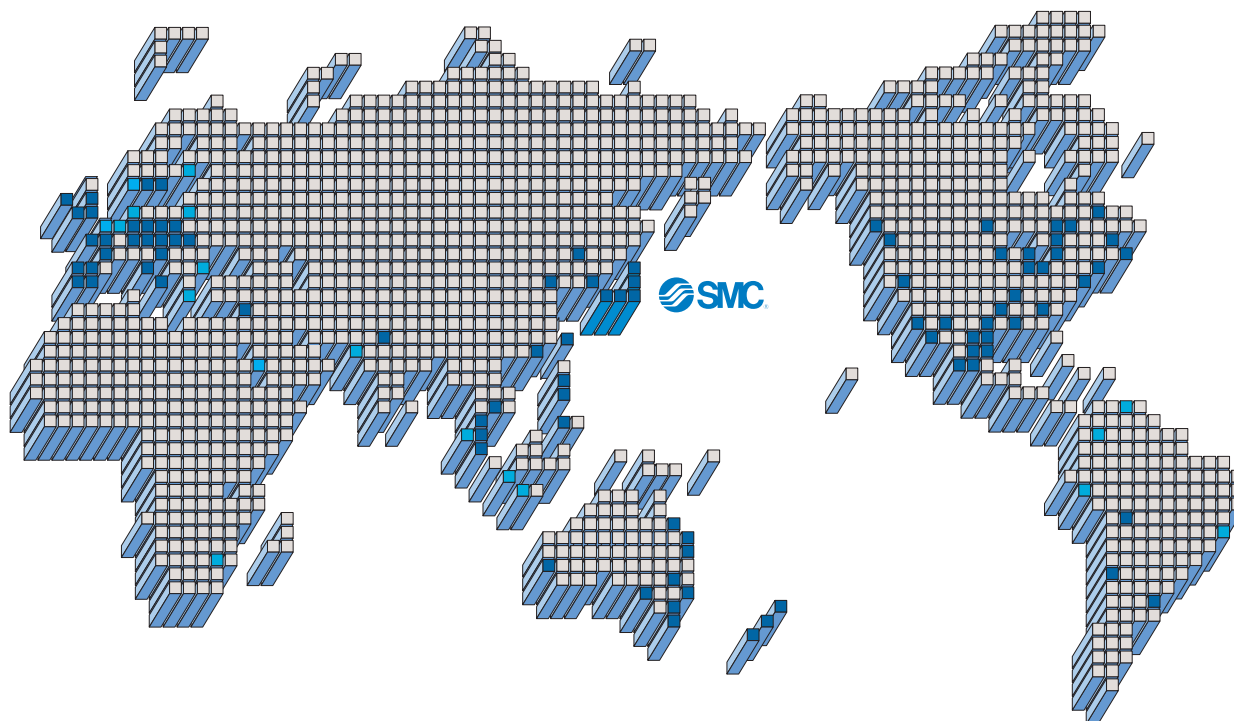
Pivot Pin

Part No.	CD ₁	CD ₂	CL	CP
NCDP-150-SUS	0.500 ^{+0.002}	0.106	2.28	1.94
NCDP-325-SUS	0.750 ^{+0.002}	0.140	3.10	2.72

Note: Cotter Pins are included.



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