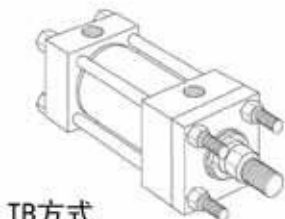
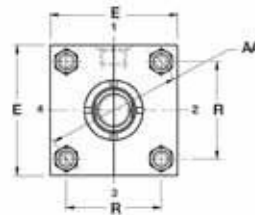
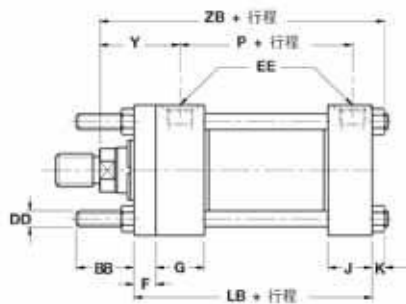


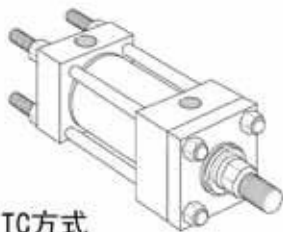
TB、TC、TD 安装方式



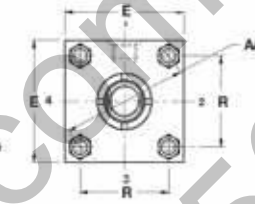
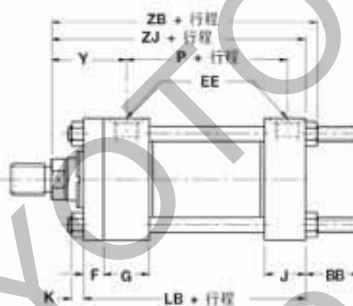
TB方式
缸头端拉杆伸出
(NFPA MX3 方式)



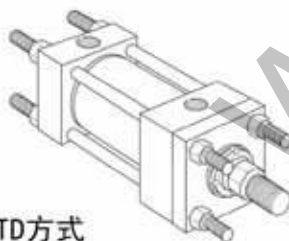
见注语1, 2, 3, 4, 5, 6



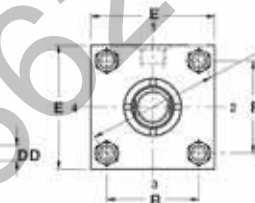
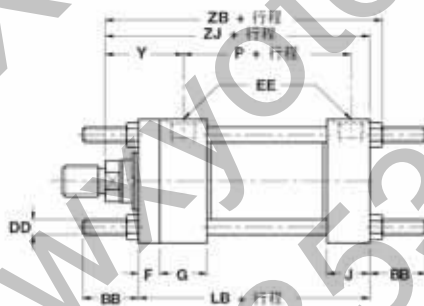
TC方式
缸盖端拉杆伸出
(NFPA MX2 方式)



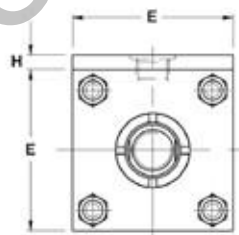
见注语1, 2, 3, 4, 5, 6



TD方式
两端拉杆伸出
(NFPA MX1 方式)



见注语 1, 2, 3, 4, 5, 6

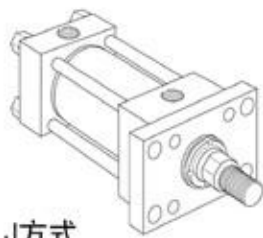


TB、TC、TD 尺寸表

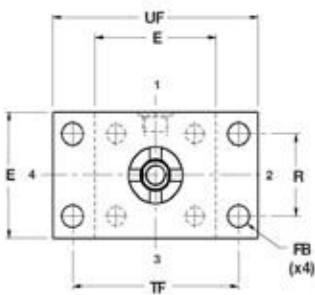
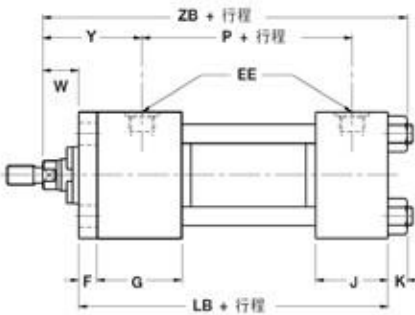
缸内径 Ø	活塞杆 号	AA	BB	DD ²	E	EE ⁶ (BSP)	F	G	H ⁵
25.4 (1")	1								
	2	38.9	19.1	10-24	38.1 ⁵	G ¹ / ₄	9.5	38.1	6.4
38.1 (1½")	1	51.3	25.4	¼ - 28	50.8 ⁵	G ³ / ₈	9.5	38.1	-
	2								3.2
50.8 (2")	1	66.2	28.6	5/16 - 24	63.5 ⁵	G ³ / ₈	9.5	38.1	-
	2								2.4
	3								-
63.5 (2½")	1	78.5	28.6	5/16 - 24	76.2 ⁵	G ³ / ₈	9.5	38.1	-
	2								2.4
	3								-
	7								-
82.6 (3¼")	1	99.1	34.9	¾ - 24	95.2	G ¹ / ₂	15.9	44.5	-
	2								
	3								
	4								
101.6 (4")	1	119.4	34.9	¾ - 24	114.3	G ¹ / ₂	15.9	44.5	-
	2								
	3								
	4								
	7								
127.0 (5")	1	147.2	46.0	½ - 20	139.7	G ¹ / ₂	15.9	44.5	-
	2								
	3								
	4								
	5								
	7								
	8								
152.4 (6")	1	175.4	46.0	½ - 20	165.1	G ³ / ₄	19.1	50.8	-
	2								
	3								
	4								
	5								
	6								
	7								

缸内径 Ø	活塞杆 号	J	K	R	Y	+ 行程			
						LB	P	ZB max.	ZJ
25.4 (1")	1			27.4	49	98.4	54	119.3	114.3
	2	25.4	5.0		49			119.3	114.3
38.1 (1½")	1	25.4	6.4	36.3	49	101.6	58	123.8	117.4
	2				58			133.4	127.0
50.8 (2")	1				49			125.8	118.3
	2	25.4	7.5	46.7	65	101.6	58	141.7	134.2
	3				58			135.3	127.8
63.5 (2½")	1				58			138.4	130.9
	2	25.4	7.5	55.6	71	104.8	61	151.2	147.3
	3				65			144.9	137.4
	7				49			129.0	121.5
82.6 (3¼")	1				58			152.9	142.9
	2	31.8	10.0	70.1	74	123.8	70	168.8	158.8
	3				65			159.3	148.3
	4				71			165.6	155.6
101.6 (4")	1				65			159.3	149.3
	2	31.8	10.0	84.3	81	123.8	70	175.1	165.1
	3				71			165.6	155.6
	4				74			168.8	158.8
	7				58			152.9	142.9
127.0 (5")	1				71			174.9	161.9
	2				81			184.0	171.0
	3				74			178.1	165.1
	4	31.8	13.0	104.1	81	130.2	77	184.5	171.5
	5				81			184.5	171.5
	7				58			162.2	149.2
	8				65			168.6	155.6
152.4 (6")	1				74			187.6	174.6
	2				84			197.2	184.2
	3				78			191.8	178.8
	4	38.1	13.0	123.9	84	146.1	83	197.2	184.2
	5				84			197.2	184.2
	6				84			197.2	184.2
	7				68			181.3	168.3

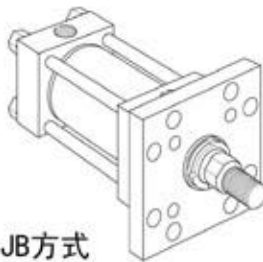
J、JB 安装方式



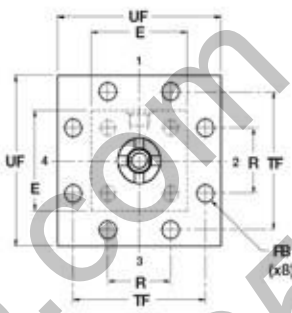
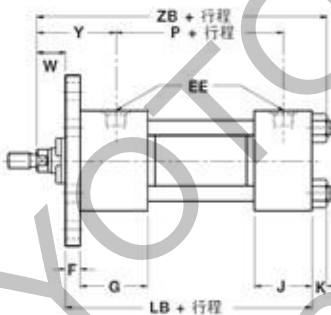
J方式
缸头矩形法兰
(NFA MF1 方式)



见注籍 1, 2, 3



JB方式
缸头方形法兰
(NFA MF5 方式)



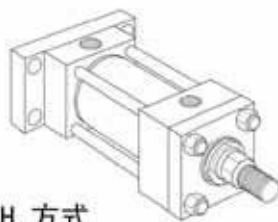
见注籍 1, 2, 3

J、JB 尺寸表

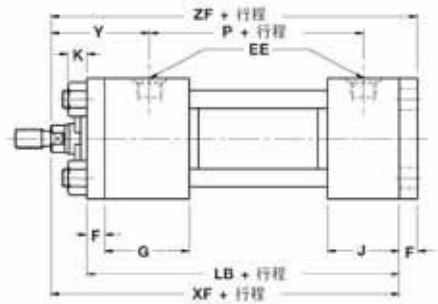
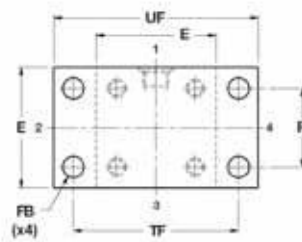
缸内径 Ø	活塞杆 号	E	EE ² (GPP)	F	FB	G	H ²	J	K
25.4 (1")	1	38.1 ²	G ¹ / ₄	9.5	6.4	38.1	6.4	25.4	5.0
38.1 (1½")	1	50.8 ²	G ³ / ₈	9.5	7.9	38.1	-	25.4	6.4
	2						3.2		
50.8 (2")	1	63.5 ²	G ¹ / ₂	9.5	9.5	38.1	-	25.4	7.5
	2						2.4		
	3						-		
63.5 (2½")	1	76.2 ²	G ³ / ₈	9.5	9.5	38.1	-	25.4	7.5
	2						2.4		
	3						-		
	7						-		
82.6 (3¼")	1	95.2	G ¹ / ₂	15.9	11.1	44.5	-	31.8	10.0
	2								
	3								
	4								
101.6 (4")	1	114.3	G ¹ / ₂	15.9	11.1	44.5	-	31.8	10.0
	2								
	3								
	4								
	7								
127.0 (5")	1	139.7	G ¹ / ₂	15.9	14.2	44.5	-	31.8	13.0
	2								
	3								
	4								
	5								
	7								
	8								
152.4 (6")	1	165.1	G ³ / ₄	19.1	14.2	50.8	-	38.1	13.0
	2								
	3								
	4								
	5								
	6								
	7								

缸内径 Ø	活塞杆 号	R	TF	UF	W	Y	+ Stroke		
							LB	P	ZB max.
25.4 (1")	1	27.4	50.8	63.5	15.9	49	98.4	54	119.3
	2				15.9	49			119.3
38.1 (1½")	1	36.3	69.8	85.7	15.9	49	101.6	58	123.8
	2				25.4	58			133.4
50.8 (2")	1				15.9	49			125.8
	2	46.7	85.7	104.7	31.8	65	101.6	58	141.7
	3				25.4	58			135.3
63.5 (2½")	1				25.4	58			138.4
	2	55.6	98.4	117.4	38.1	71	104.8	61	151.2
	3				31.8	65			144.9
	7				15.9	49			129.0
82.6 (3¼")	1				19.1	58			152.9
	2	70.1	119.0	139.7	34.9	74	123.8	70	168.8
	3				25.4	65			159.3
	4				31.8	71			165.6
101.6 (4")	1				25.4	65			159.3
	2				41.3	81			175.1
	3	84.3	138.1	158.7	31.8	71	123.8	70	165.6
	4				34.9	74			168.8
	7				19.1	58			152.9
127.0 (5")	1				31.8	71			174.9
	2				41.3	81			184.0
	3				34.9	74			178.1
	4	104.1	168.2	193.7	41.3	81	130.2	77	184.5
	5				41.3	81			184.5
	7				19.1	58			162.2
	8				25.4	65			168.6
152.4 (6")	1				28.6	74			187.6
	2				38.1	84			197.2
	3				31.8	78			191.8
	4	123.9	193.7	219.1	38.1	84	146.1	83	197.2
	5				38.1	84			197.2
	6				38.1	84			197.2
	7				22.2	68			181.3

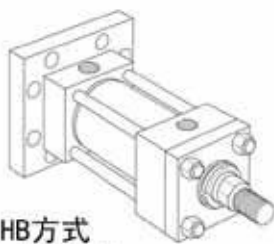
H、HB 安装方式及尺寸表



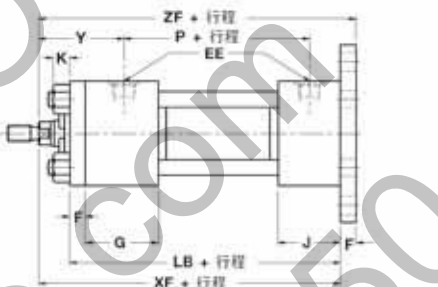
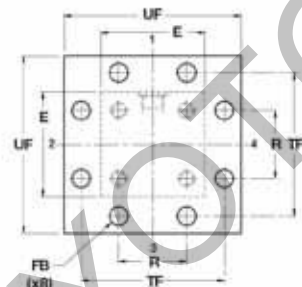
H 方式
缸盖矩形法兰
(NFA MF2 方式)



见注通1、2、3



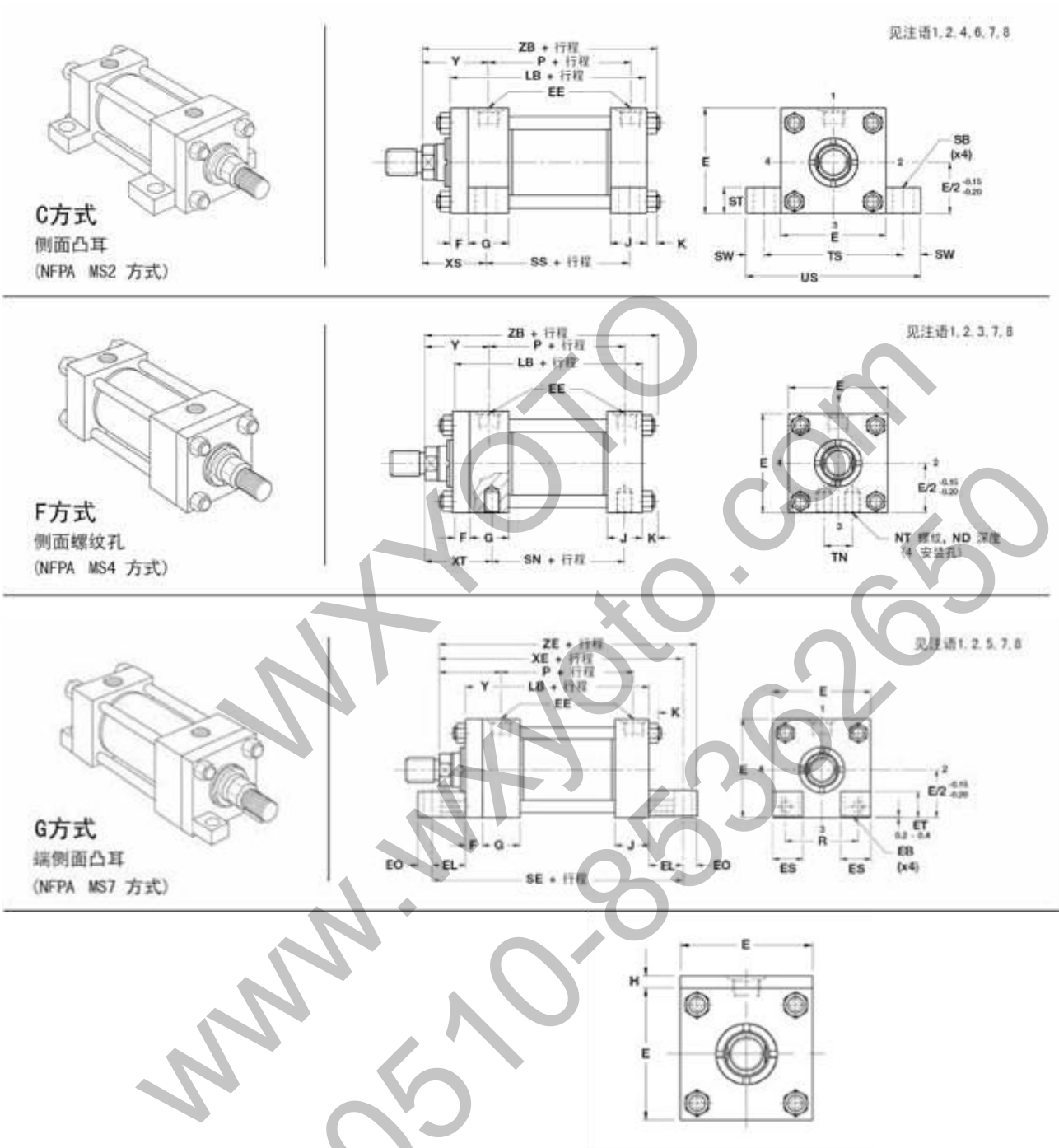
HB方式
缸盖方形法兰
(NFA MF6 方式)



见注通1、2、3

缸内径 Φ	活塞杆 号	R	TF	UF	Y	LB	+ 行程	XF	ZF
25.4 (1")	1	27.4	50.8	63.5	49	98.4	54	114.3	123.8
	2				49			114.3	123.8
38.1 (1½")	1	36.3	69.8	85.7	49	101.6	58	117.5	127.0
	2				58			127.0	136.5
50.8 (2")	1	46.7	85.7	104.7	49	101.6	58	117.5	127.0
	2				65			133.4	142.9
	3				58			127.0	136.5
63.5 (2½")	1	55.6	98.4	117.4	58	104.8	61	130.2	139.7
	2				71			142.9	152.4
	3				65			136.5	146.1
	7				49			120.7	130.2
82.6 (3¼")	1	70.1	119.0	139.7	58	123.8	70	142.9	158.8
	2				74			158.8	174.6
	3				65			149.2	165.1
	4				71			155.6	171.5
101.6 (4")	1	84.3	138.1	158.7	65	123.8	70	149.2	165.1
	2				81			165.1	181.0
	3				71			155.6	171.5
	4				74			158.8	174.6
	7				58			142.9	158.8
127.0 (5")	1	104.1	168.2	193.7	71	130.2	77	161.9	177.8
	2				81			171.5	187.3
	3				74			165.1	181.0
	4				81			171.5	187.3
	5				81			171.5	187.3
	7				58			149.2	165.1
	8				65			155.6	171.5
152.4 (6")	1	123.9	193.7	219.1	74	146.1	83	174.6	193.7
	2				84			184.2	203.2
	3				78			177.8	196.9
	4				84			184.2	203.2
	5				84			184.2	203.2
	6				84			184.2	203.2
	7				68			168.3	187.3

C、F、G 安装方式

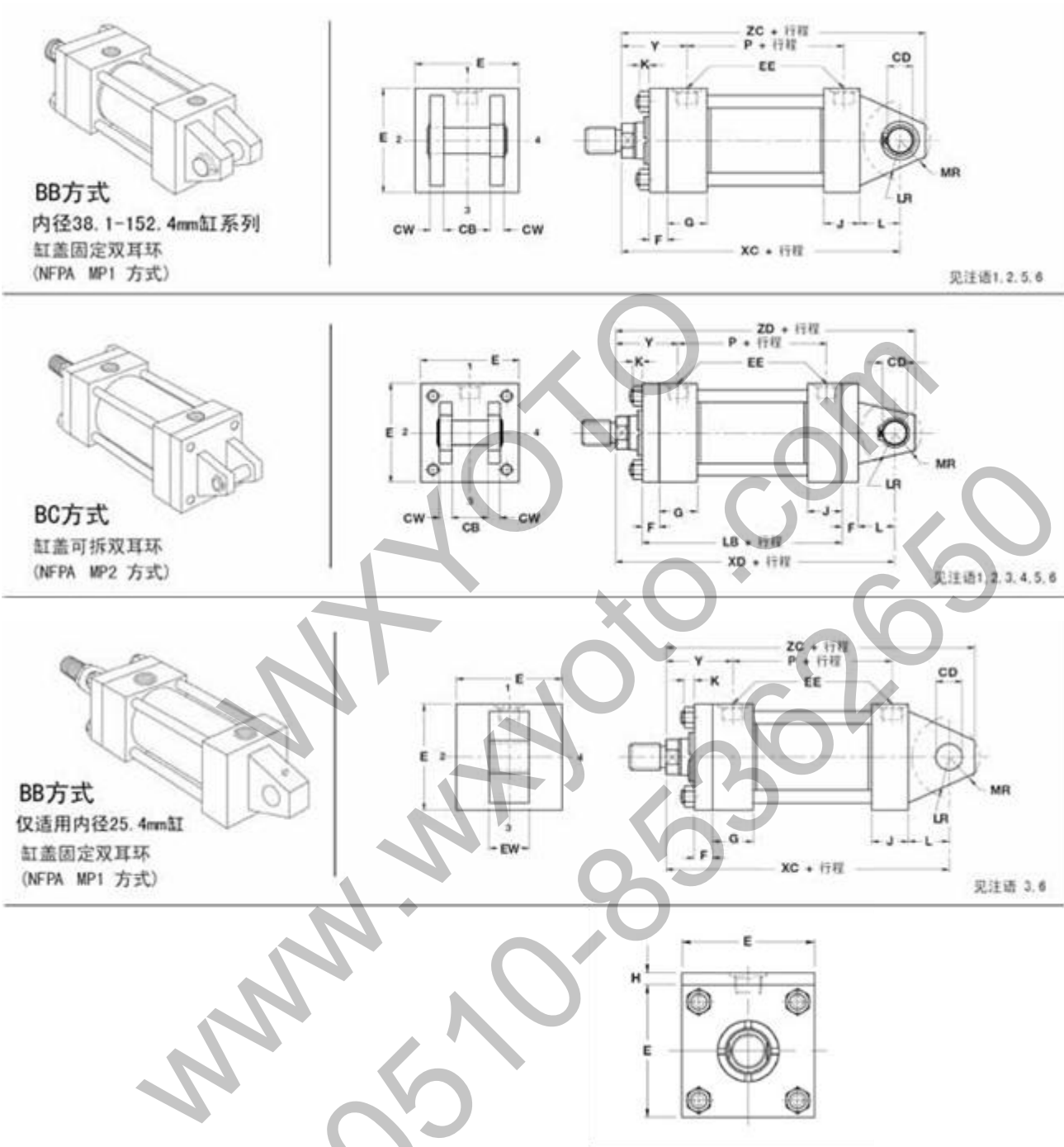


C、F、G 尺寸表

缸内径 Ø	活塞杆 号	E	EB	EE [®] (BSP)	EL	EO	ES	ET	F	G	H ⁷	J	K	ND	NT ³	R	SB ⁴
25.4 (1")	1	38.1 ⁷	-	G ^{1/4}	-	-	-	-	9.5	38.1	6.4	25.4	5.0	6.4	M5	-	6.6
	2													6.4			
38.1 (1 1/2")	1	50.8 ⁷	9.0	G ^{3/8}	19.1	6.4	14	14.3	9.5	38.1	-	25.4	6.4	9.5	M6	36.3	11.0
	2										3.2			4.8			
50.8 (2")	1	63.5 ⁷	9.5	G ^{1/2}	23.8	7.9	16	19.1	9.5	38.1	-	25.4	7.5	9.5	M8	46.7	11.0
	2										2.4			9.5			
	3										-			9.5			
63.5 (2 1/2")	1	76.2 ⁷	9.5	G ^{3/4}	27.0	7.9	20	22.2	9.5	38.1	2.4	25.4	7.5	12.7	M10	55.6	11.0
	2										-			11.1			
	3										-			12.7			
	7										-			12.7			
82.6 (3 1/4")	1	95.2	11.1	G ^{1/2}	22.2	9.5	25	25.4	15.9	44.5	-	31.8	10.0	19.1	M12	70.1	14.0
	2													19.1			
	3													19.1			
	4													19.1			
101.6 (4")	1	114.3	11.1	G ^{1/2}	25.4	9.5	32	31.8	15.9	44.5	-	31.8	10.0	19.1	M12	84.3	14.0
	2													15.9			
	3													19.1			
	4													19.1			
	7													19.1			
127.0 (5")	1	139.7	14.2	G ^{3/4}	27.0	12.7	35	38.1	15.9	44.5	-	31.8	13.0	23.8	M16	104.1	22.0
	2													19.1			
	3													23.8			
	4													23.8			
	5													23.8			
	7													23.8			
	8													23.8			
152.4 (6")	1	165.1	14.2	G ¹	25.4	12.7	45	41.3	19.1	50.8	-	38.1	13.0	28.6	M20	123.9	22.0
	2													22.2			
	3													28.6			
	4													28.6			
	5													28.6			
	6													28.6			
	7													28.6			

缸内径 Ø	活塞杆 号	ST	SW	TN	TS	US	XS	XT	Y	+ 行程							
										LB	P	SE	SN	SS	XE	ZB max.	ZE
25.4 (1")	1	7.9	7.9	13.5	54.0	69.9	33.3	49.2	49	98.4	54	-	54.0	73.0	-	119.3	-
	2						33.3	49.2	49						-	119.3	-
38.1 (1 1/2")	1	12.7	9.5	15.5	70.0	88.9	34.9	49.2	49	101.6	58	139.7	57.2	73.0	136.5	123.8	142.9
	2						44.5	58.7	58						146.1	133.4	152.4
50.8 (2")	1	12.7	9.5	22.0	82.6	101.6	34.9	49.2	49						141.3	125.8	149.2
	2						50.8	65.1	65	101.6	58	149.2	57.2	73.0	157.2	141.7	165.1
	3						44.5	58.7	58						150.8	135.3	158.8
63.5 (2 1/2")	1	12.7	9.5	31.0	95.3	114.3	44.5	58.7	58						157.2	138.4	165.1
	2						57.2	71.4	71						170.0	151.2	177.8
	3						50.8	65.1	65	104.8	61	158.8	60.3	76.2	163.5	144.9	171.5
	7						34.9	49.2	49						147.6	129.0	155.6
82.6 (3 1/4")	1	19.1	12.7	38.0	120.7	146.1	47.6	61.9	58						165.1	152.9	174.6
	2						63.5	77.8	74	123.8	70	168.3	66.7	82.6	181.0	168.8	190.5
	3						54.0	68.3	65						171.5	159.3	181.0
	4						60.3	74.6	71						177.8	165.6	187.3
101.6 (4")	1	19.1	12.7	52.0	139.7	165.1	54.0	68.3	65						174.6	159.3	184.2
	2						69.8	84.1	81	123.8	70	174.6	66.7	82.6	190.5	175.1	200.0
	3						60.3	74.6	71						181.0	165.6	190.5
	4						63.5	77.8	74						184.2	168.8	193.7
	7						47.6	61.9	58						168.3	152.9	177.8
127.0 (5")	1	25.4	17.5	66.0	174.6	209.5	65.1	74.6	71						188.9	174.9	201.6
	2						74.6	84.1	81	130.2	77	184.2	73.0	79.4	198.4	184.0	211.1
	3						68.3	77.8	74						192.1	178.1	204.8
	4						74.6	84.1	81						198.4	184.5	211.1
	5						74.6	84.1	81						198.4	184.5	211.1
	7						52.4	61.9	58						176.2	162.2	188.9
	8						58.7	68.3	65						182.6	168.6	195.3
152.4 (6")	1	25.4	17.5	80.0	200.0	235.0	65.1	77.8	74						200.0	187.6	212.7
	2						74.6	87.3	84						209.6	197.2	222.3
	3						68.3	81.0	78	146.1	83	196.9	79.4	92.1	203.2	191.8	215.9
	4						74.6	87.3	84						209.6	197.2	222.3
	5						74.6	87.3	84						209.6	197.2	222.3
	6						74.6	87.3	84						209.6	197.2	222.3
	7						58.6	71.4	68						193.7	181.3	206.4

BB、BC 安装方式

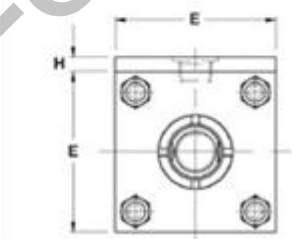
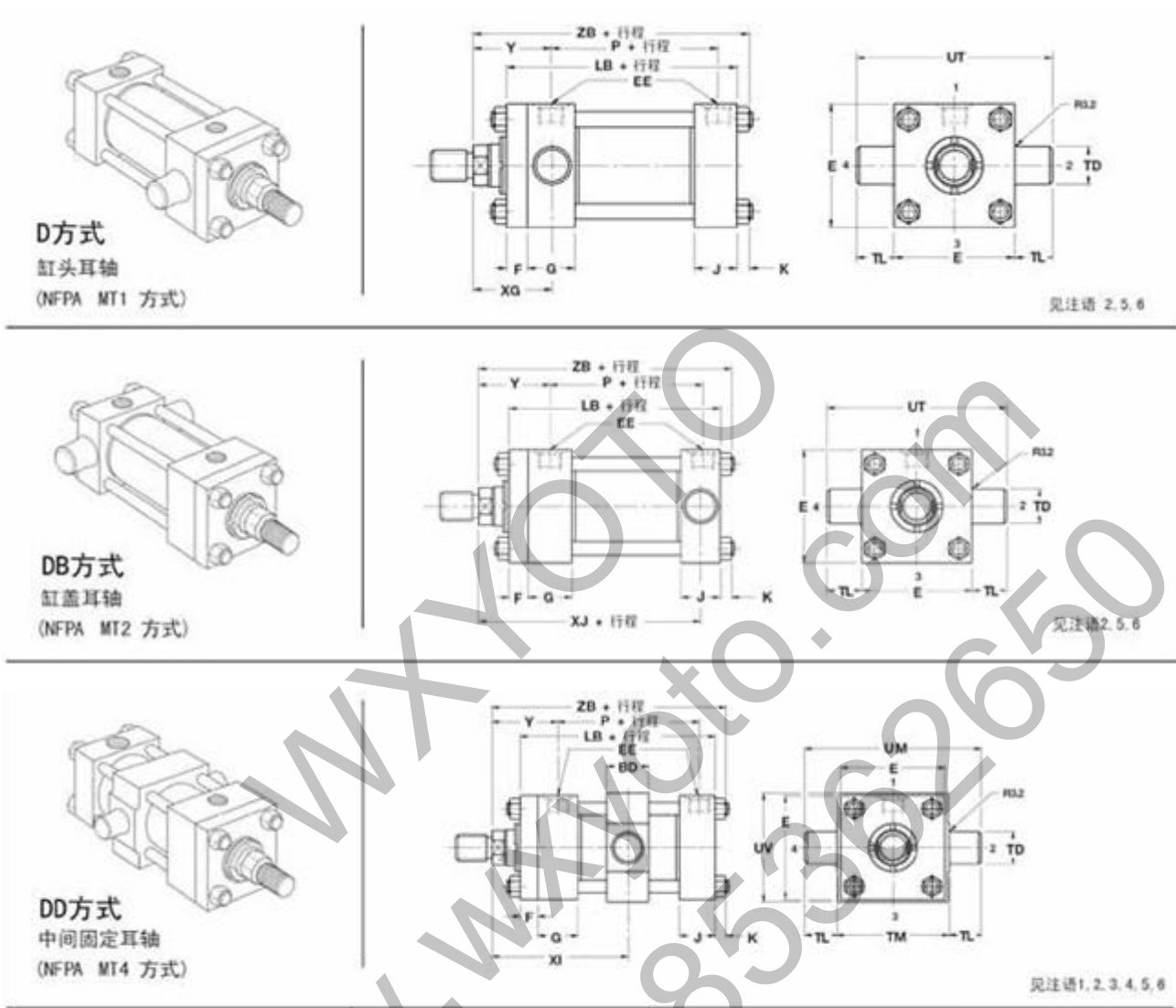


BB、BC 尺寸表

缸内径 Φ	活塞杆 号	CB	CD ^{+0.00 -0.05}	CW	E	EE [±] (BSPF)	EW	F	G	H [±]	J	K
25.4 (1")	1	-	11.20	-	38.1 [±]	G ^{1/4}	11.1	9.5	38.1	6.4	25.4	5.0
38.1 (1 1/2")	1	19.9	12.73	12.7	50.8 [±]	G ^{3/4}	-	9.5	38.1	-	25.4	6.4
50.8 (2")	1	19.9	12.73	12.7	63.5 [±]	G ^{1/2}	-	9.5	38.1	-	25.4	7.5
	2									2.4		
	3									-		
63.5 (2 1/2")	1	19.9	12.73	12.7	76.2 [±]	G ^{3/4}	-	9.5	38.1	2.4	25.4	7.5
	2									-		
	3									-		
	7									-		
82.6 (3 1/4")	1	32.6	19.08	15.8	95.2	G ^{1/2}	-	15.9	44.5	-	31.8	10.0
	2											
	3											
	4											
101.6 (4")	1	32.6	19.08	15.8	114.3	G ^{1/2}	-	15.9	44.5	-	31.8	10.0
	2											
	3											
	4											
	7											
127.0 (5")	1	32.6	19.08	15.8	139.7	G ^{1/2}	-	15.9	44.5	-	31.8	13.0
	2											
	3											
	4											
	5											
	7											
	8											
152.4 (6")	1	38.9	25.43	19.1	165.1	G ^{3/4}	-	19.1	50.8	-	38.1	13.0
	2											
	3											
	4											
	5											
	6											
	7											

缸内径 Φ	活塞杆 号	L	LR	MR	Y	LB	P	XC	XD	ZC	ZD
25.4 (1")	1	12.7	12.7	12.7	49	98.4	54	127.0	136.5	138.1	147.6
	2				49			127.0	136.5	138.1	147.6
38.1 (1 1/2")	1	19.1	14.3	15.9	49	101.6	58	136.5	146.1	149.2	158.8
	2				58			146.1	155.6	158.8	168.3
50.8 (2")	1	19.1	14.3	15.9	49	101.6	58	136.5	146.1	149.2	158.8
	2				65			152.4	161.9	165.1	174.6
	3				58			146.1	155.6	158.7	168.3
63.5 (2 1/2")	1	19.1	14.3	15.9	58			149.2	158.8	161.9	171.5
	2				71			161.9	171.5	174.6	184.2
	3				65	104.8	61	155.6	165.1	168.2	177.8
	7				49			139.7	149.2	152.4	161.9
82.6 (3 1/4")	1	31.8	25.4	23.8	58			174.6	190.5	193.7	209.6
	2				74	123.8	70	190.5	206.4	209.6	225.4
	3				65			181.0	196.9	200.0	215.9
	4				71			187.3	203.2	206.4	222.3
101.6 (4")	1	31.8	25.4	23.8	65			181.0	196.9	200.0	215.9
	2				81	123.8	70	196.9	212.7	215.9	231.8
	3				71			187.3	203.2	206.4	222.3
	4				74			190.5	206.4	209.6	225.4
	7				58			174.6	190.5	193.7	209.6
127.0 (5")	1	31.8	25.4	23.8	71			193.7	209.6	212.7	228.6
	2				81			203.2	219.1	222.3	238.1
	3				74			196.9	212.7	215.9	231.8
	4				81	130.2	77	203.2	219.1	222.3	238.2
	5				81			203.2	219.1	222.3	238.2
	7				58			181.0	196.9	200.6	215.9
	8				65			187.3	203.2	206.4	222.3
152.4 (6")	1	38.1	31.8	30.2	74			212.7	231.8	238.2	257.4
	2				84			222.3	241.3	247.7	266.7
	3				78			215.9	235.0	241.3	260.4
	4				84	146.1	83	222.3	241.3	247.7	266.7
	5				84			222.3	241.3	247.7	266.7
	6				84			222.3	241.3	247.7	266.7
	7				68			206.4	225.4	231.8	250.8

D、DB、DD 安装方式

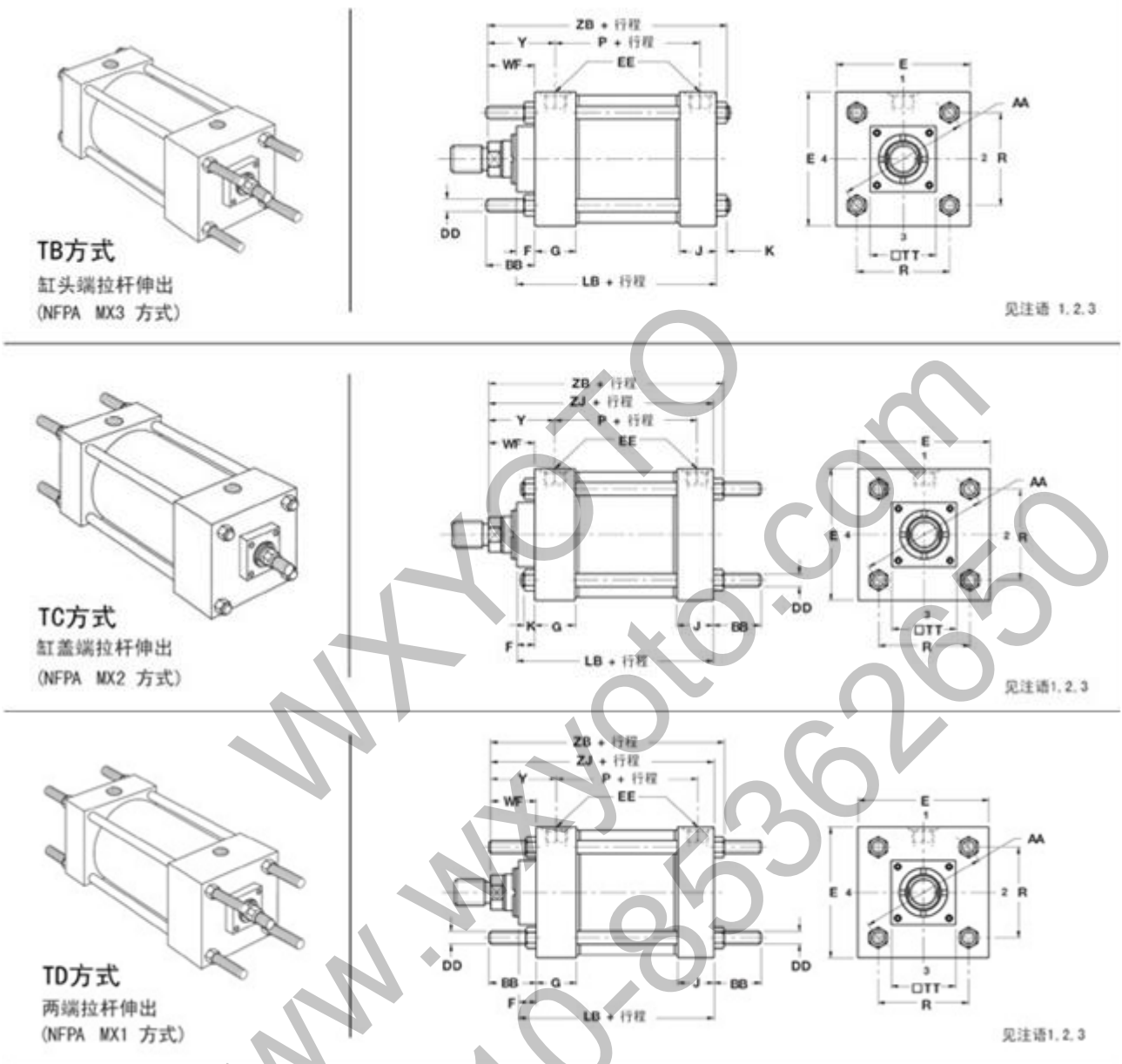


D、DB、DD 尺寸表

缸内径 Ø	活塞杆 号	BD	E	EE ⁶ (BOPF)	F	G	H ⁵	J	K	TD ^{+0.00 -0.03}	TL	TM
25.4 (1")	1	-	38.1 ⁵	G ^{3/4}	9.5	38.1	6.4	25.4	5.0	19.05	19.1	-
	2	-	38.1 ⁵	G ^{3/4}	9.5	38.1	-	25.4	6.4	25.40	25.4	63.5
38.1 (1½")	1	31.7	50.8 ⁵	G ^{3/4}	9.5	38.1	3.2	25.4	6.4	25.40	25.4	63.5
	2	31.7	50.8 ⁵	G ^{3/4}	9.5	38.1	-	25.4	6.4	25.40	25.4	63.5
50.8 (2")	1	38.1	63.5 ⁵	G ^{3/4}	9.5	38.1	2.4	25.4	7.5	25.40	25.4	76.2
	2	38.1	63.5 ⁵	G ^{3/4}	9.5	38.1	-	25.4	7.5	25.40	25.4	76.2
	3	38.1	63.5 ⁵	G ^{3/4}	9.5	38.1	-	25.4	7.5	25.40	25.4	76.2
63.5 (2½")	1	38.1	76.2 ⁵	G ^{3/4}	9.5	38.1	2.4	25.4	7.5	25.40	25.4	88.9
	2	38.1	76.2 ⁵	G ^{3/4}	9.5	38.1	-	25.4	7.5	25.40	25.4	88.9
	3	38.1	76.2 ⁵	G ^{3/4}	9.5	38.1	-	25.4	7.5	25.40	25.4	88.9
	7	38.1	76.2 ⁵	G ^{3/4}	9.5	38.1	-	25.4	7.5	25.40	25.4	88.9
82.6 (3¼")	1	50.8	95.2	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	114.3
	2	50.8	95.2	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	114.3
	3	50.8	95.2	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	114.3
	4	50.8	95.2	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	114.3
101.6 (4")	1	50.8	114.3	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	133.4
	2	50.8	114.3	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	133.4
	3	50.8	114.3	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	133.4
	4	50.8	114.3	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	133.4
	7	50.8	114.3	G ^{1/2}	15.9	44.5	-	31.8	10.0	25.40	25.4	133.4
127.0 (5")	1	50.8	139.7	G ^{1/2}	15.9	44.5	-	31.8	13.0	25.40	25.4	158.8
	2	50.8	139.7	G ^{1/2}	15.9	44.5	-	31.8	13.0	25.40	25.4	158.8
	3	50.8	139.7	G ^{1/2}	15.9	44.5	-	31.8	13.0	25.40	25.4	158.8
	4	50.8	139.7	G ^{1/2}	15.9	44.5	-	31.8	13.0	25.40	25.4	158.8
	5	50.8	139.7	G ^{1/2}	15.9	44.5	-	31.8	13.0	25.40	25.4	158.8
	7	50.8	139.7	G ^{1/2}	15.9	44.5	-	31.8	13.0	25.40	25.4	158.8
	8	50.8	139.7	G ^{1/2}	15.9	44.5	-	31.8	13.0	25.40	25.4	158.8
152.4 (6")	1	63.5	165.1	G ^{3/4}	19.1	50.8	-	38.1	13.0	34.92	34.9	193.7
	2	63.5	165.1	G ^{3/4}	19.1	50.8	-	38.1	13.0	34.92	34.9	193.7
	3	63.5	165.1	G ^{3/4}	19.1	50.8	-	38.1	13.0	34.92	34.9	193.7
	4	63.5	165.1	G ^{3/4}	19.1	50.8	-	38.1	13.0	34.92	34.9	193.7
	5	63.5	165.1	G ^{3/4}	19.1	50.8	-	38.1	13.0	34.92	34.9	193.7
	6	63.5	165.1	G ^{3/4}	19.1	50.8	-	38.1	13.0	34.92	34.9	193.7
	7	63.5	165.1	G ^{3/4}	19.1	50.8	-	38.1	13.0	34.92	34.9	193.7

缸内径 Ø	活塞杆 号	UM	UT	UV	XG	Min. XI	Y	DD 方式 Min.行程	LB	+ 行程 P	XJ	ZB max.
25.4 (1")	1	-	76.2	-	44.5	-	49	-	98.4	54	101.6	119.3
	2	-	76.2	-	44.5	-	49	-	98.4	54	101.6	119.3
38.1 (1½")	1	114.3	101.6	63.5	44.5	80	49	3.2	101.6	58	104.7	123.8
	2	114.3	101.6	63.5	54.0	89	58	3.2	101.6	58	114.3	133.4
50.8 (2")	1	127.0	114.3	76.2	44.5	83	49	-	101.6	58	104.7	125.8
	2	127.0	114.3	76.2	60.3	99	65	10.0	101.6	58	120.7	141.7
	3	127.0	114.3	76.2	54.0	93	58	-	101.6	58	114.3	135.3
63.5 (2½")	1	139.7	127.0	88.9	54.0	93	58	-	104.8	61	117.4	138.4
	2	139.7	127.0	88.9	66.7	105	71	6.4	104.8	61	130.2	151.2
	3	139.7	127.0	88.9	60.3	99	65	-	104.8	61	123.8	144.9
	7	139.7	127.0	88.9	44.5	83	49	-	104.8	61	108.0	129.0
82.6 (3¼")	1	165.1	146.1	108.0	57.2	105	58	-	123.8	70	127.0	152.9
	2	165.1	146.1	108.0	73.0	121	74	20.0	123.8	70	142.9	168.8
	3	165.1	146.1	108.0	63.5	112	65	-	123.8	70	133.4	159.3
	4	165.1	146.1	108.0	69.8	118	71	-	123.8	70	139.7	165.6
101.6 (4")	1	184.2	165.1	127.0	63.5	112	65	-	123.8	70	133.4	159.3
	2	184.2	165.1	127.0	79.4	127	81	20.0	123.8	70	149.2	175.1
	3	184.2	165.1	127.0	69.8	118	71	-	123.8	70	139.7	165.6
	4	184.2	165.1	127.0	73.0	121	74	-	123.8	70	142.9	168.8
	7	184.2	165.1	127.0	57.2	105	58	-	123.8	70	127.0	152.9
127.0 (5")	1	209.6	190.5	152.4	69.8	118	71	-	130.2	77	146.1	174.9
	2	209.6	190.5	152.4	79.4	127	81	13.0	130.2	77	155.6	184.0
	3	209.6	190.5	152.4	73.0	121	74	-	130.2	77	149.2	178.1
	4	209.6	190.5	152.4	79.4	127	81	-	130.2	77	155.6	184.5
	5	209.6	190.5	152.4	79.4	127	81	-	130.2	77	155.6	184.5
	7	209.6	190.5	152.4	57.2	105	58	-	130.2	77	133.4	162.2
	8	209.6	190.5	152.4	63.5	112	65	-	130.2	77	139.7	168.6
152.4 (6")	1	263.6	235.0	177.8	73.0	131	74	-	146.1	83	155.6	187.6
	2	263.6	235.0	177.8	82.6	140	84	26.0	146.1	83	165.1	197.2
	3	263.6	235.0	177.8	76.2	134	78	-	146.1	83	158.8	191.8
	4	263.6	235.0	177.8	82.6	140	84	-	146.1	83	165.1	197.2
	5	263.6	235.0	177.8	82.6	140	84	-	146.1	83	165.1	197.2
	6	263.6	235.0	177.8	82.6	140	84	-	146.1	83	165.1	197.2
	7	263.6	235.0	177.8	66.7	124	68	-	146.1	83	149.2	181.3

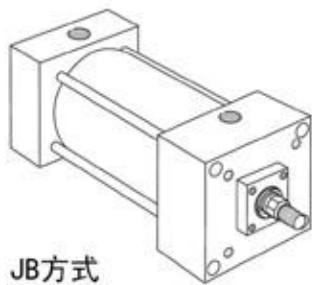
TB、TC、TD 安装方式及尺寸



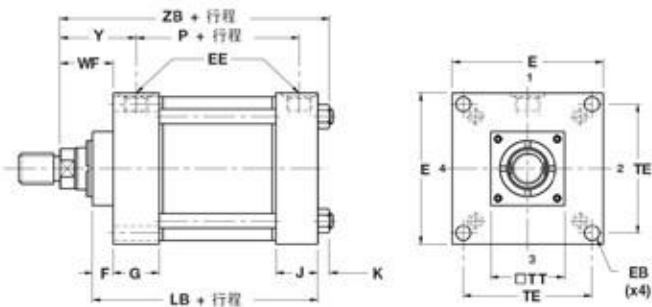
缸内径 Ø	活塞杆 号	AA	BB	DD (UNF)	E	EE ² (BSPP)	F	G	J	K
203.2 (8")	1	231.1	58.7	5/8-18	215.9	G3/4	19.1	50.8	38.1	16
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	0									

缸内径 Ø	活塞杆 号	R	TT	WF	Y	+ 行程			
						LB	P	ZB max.	ZJ
203.2 (8")	1	163.6	101.6	50.8	78	149.2	86	197.0	181.0
	2		177.8	57.2	84			203.3	187.3
	3		101.6	57.2	84			203.3	187.3
	4		139.7	57.2	84			203.3	187.3
	5		139.7	57.2	84			203.3	187.3
	6		139.7	57.2	84			203.3	187.3
	7		101.6	41.3	68			187.4	171.5
	8		101.6	47.6	74			193.8	177.8
	0		177.8	57.2	84			203.3	187.3

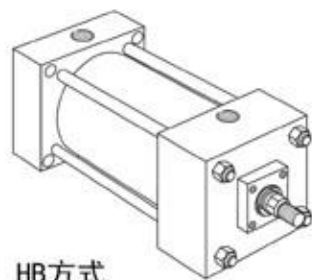
缸头、缸盖法兰和铰接 JB、HB、BB 安装方式及尺寸



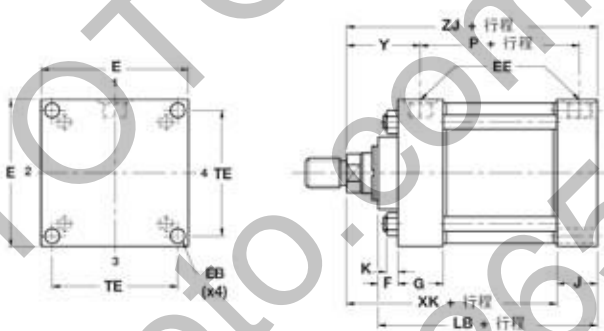
JB方式
方形缸头
(NFA ME3 方式)



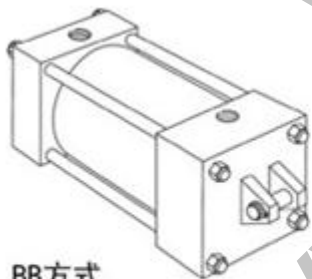
见注语1, 3



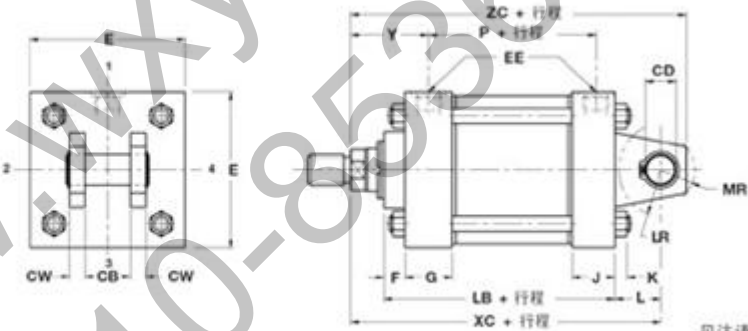
HB方式
方形缸盖
(NFA ME4 方式)



见注语1, 3



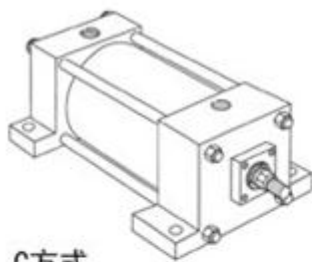
BB方式
缸盖固定双耳环
(NFA MP1 方式)



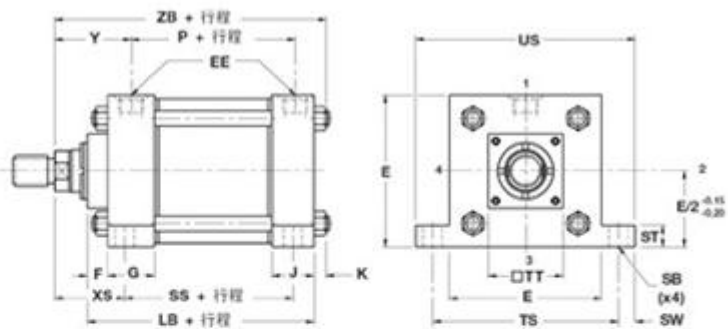
见注语1, 2, 3

缸内径 Ø	活塞杆 号	CB	CD ² -0.05	CW	E	EB	EE ² (BSP)	F	G	J	K	L	LR
203.2 (8")	1												
	2												
	3												
	4												
	5	39.7	25.43	19.1	215.9	18	G ³ / ₄	19.1	50.8	38.1	16	38.1	31.8
	6												
	7												
	8												
	0												
缸内径 Ø	活塞杆 号	MR	TE	TT	WF	Y	+ 行程						
203.2 (8")	1			101.6	50.8	78	LB	P	XC	XK	ZB max.	ZC	ZJ
	2			177.8	57.2	84			219.1	142.9	197.0	244.5	181.0
	3			101.6	57.2	84			225.4	149.2	203.3	250.8	187.3
	4			139.7	57.2	84			225.4	149.2	203.3	250.8	187.3
	5	30.2	192.3	139.7	57.2	84	149.2	86.0	225.4	149.2	203.3	250.8	187.3
	6			139.7	57.2	84			225.4	149.2	203.3	250.8	187.3
	7			101.6	41.3	68			209.5	133.4	187.4	235.0	171.5
	8			101.6	47.6	74			215.9	139.7	193.8	241.3	177.8
	0			177.8	57.2	84			225.4	149.2	203.3	250.8	187.3

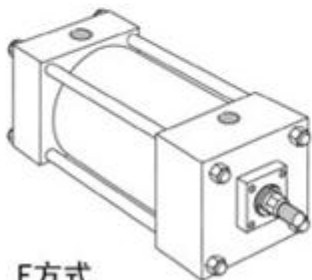
底座安装 C、F、G 安装方式及尺寸



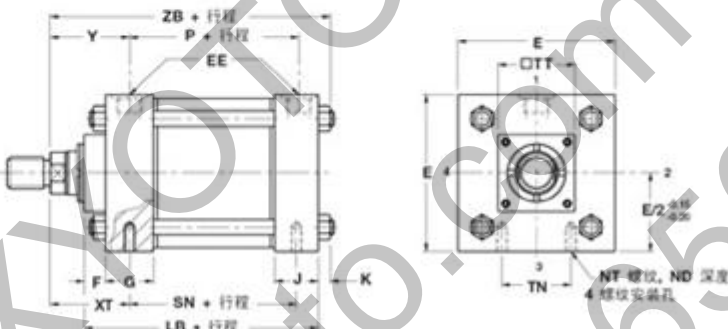
C方式
侧面凸耳安装
(NFA MS2 方式)



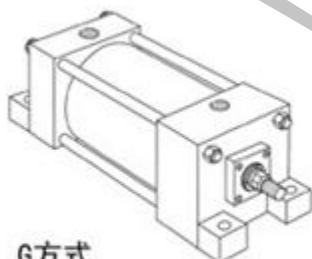
见注语 1, 2, 4, 6



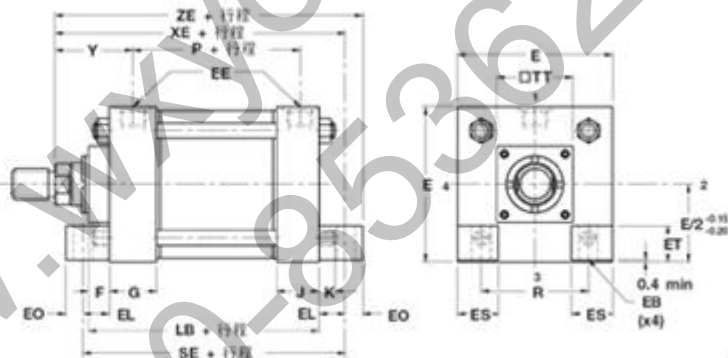
F方式
侧面螺纹孔安装
(NFA MS4 方式)



见注语 1, 5, 6



G方式
端面凸耳
(NFA MS7 方式)

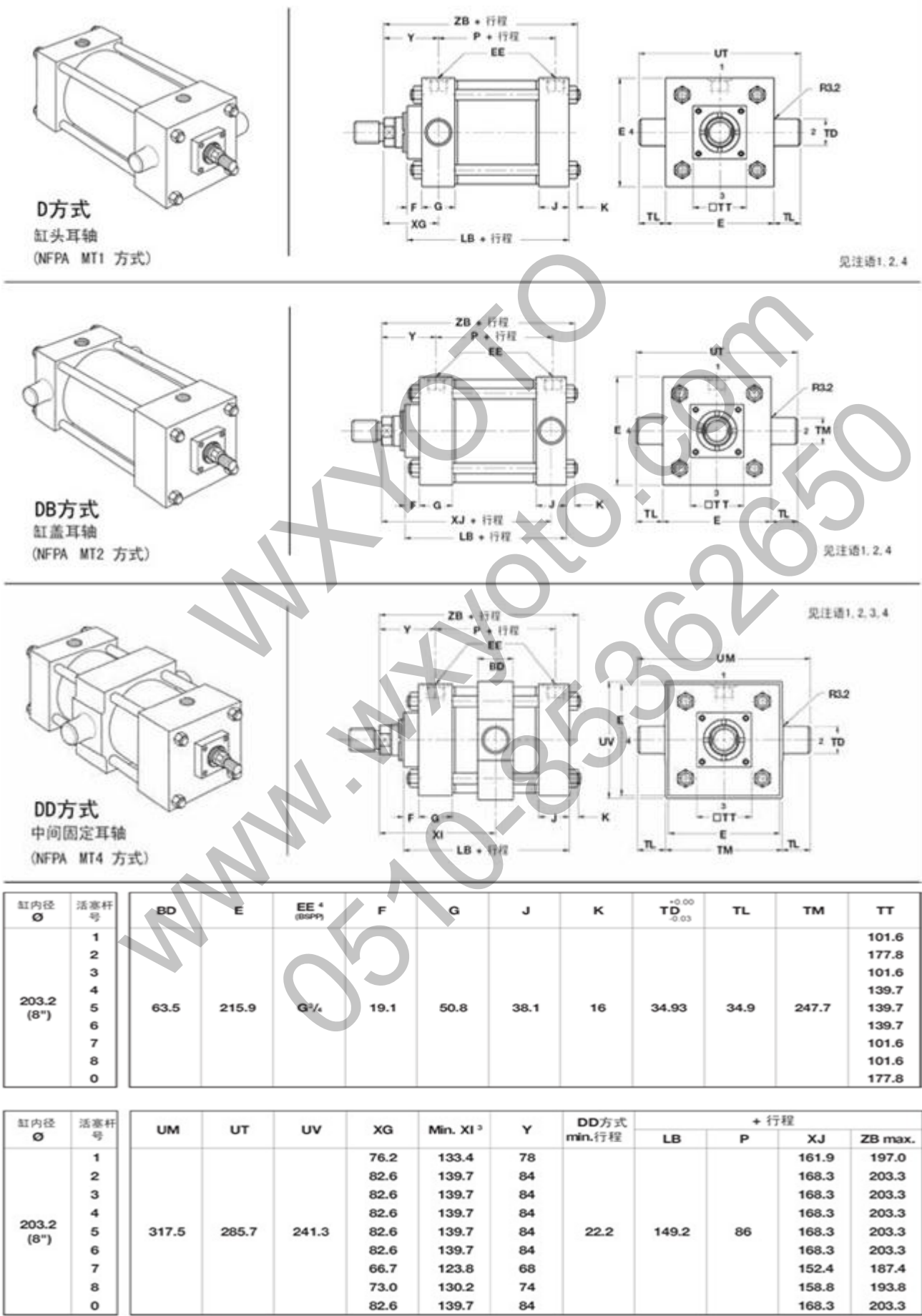


见注语 1, 3, 6

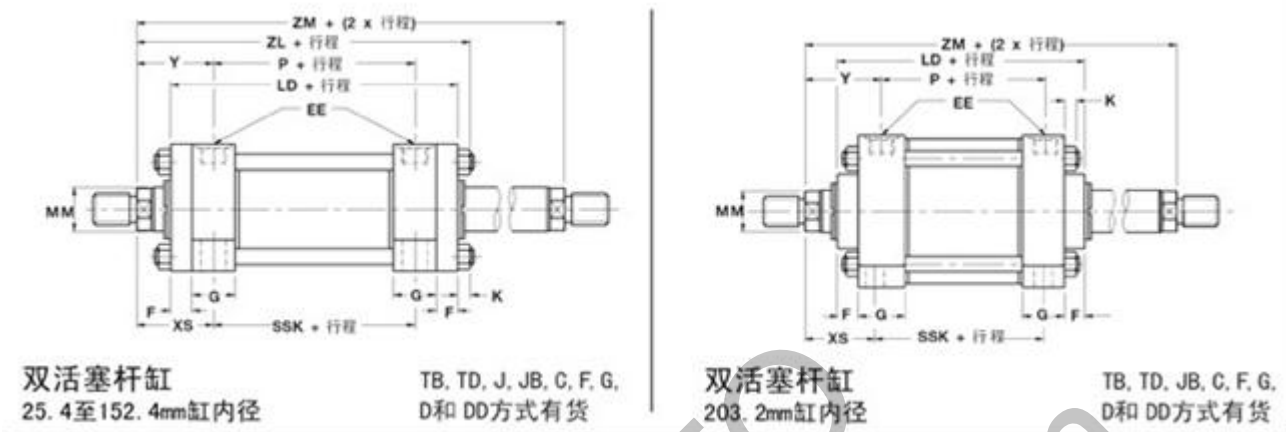
缸内径 Ø	活塞杆 号	E	EB	EE ⁶ (BSP)	EL	EO	ES	ET	F	G	J	K	ND	NT ⁵	R	SB	ST
203.2 (8")	1																
	2																
	3																
	4																
	5	215.9	18	G ^{3/4}	28.6	15.9	57.2	50.8	19.1	50.8	38.1	16	28.6	M20	163.6	22	25.4
	6																
	7																
	8																
	0																

缸内径 Ø	活塞杆 号	SW	TN	TS	TT	US	XS	XT	Y	+ 行程							
										LB	P	SE	SN	SS	XE	ZB max.	ZE
203.2 (8")	1				101.6		68.3	81.0	78						209.6	197.0	225.4
	2				177.8		74.6	87.3	84						-	203.3	-
	3				101.6		74.6	87.3	84						215.9	203.3	231.8
	4				139.7		74.6	87.3	84						-	203.3	-
	5	17.5	114.3	250.8	139.7	285.8	74.6	87.3	84	149.2	86	187.3	82.6	95.3	-	203.3	-
	6				139.7		74.6	87.3	84						-	203.3	-
	7				101.6		58.7	71.4	68						200.0	187.4	215.9
	8				101.6		65.1	77.8	74						206.4	193.8	222.3
	0				177.8		74.6	87.3	84						-	203.3	-

耳轴安装 D、DB、DD 安装方式及尺寸



双活塞杆缸



缸内径 Ø	活塞杆 号	MM 活塞杆 直径	+行程			+ 2 x 行程
			LD	ZL	SSK	ZM
25.4 (1")	1	12.7 (1/2")	120.7	139.7	85.7	152.4
	2	15.9 (5/8")				
38.1 (1 1/2")	1	15.9 (5/8")	123.8	146.1	85.7	155.6
	2	25.4 (1")		155.6		174.6
50.8 (2")	1	15.9 (5/8")	123.8	147.6	85.7	155.6
	2	34.9 (1 3/8")		163.5		187.3
	3	25.4 (1")		157.1		174.6
63.5 (2 1/2")	1	25.4 (1")	127.0	160.3	88.9	177.8
	2	44.5 (1 3/4")		173.0		203.2
	3	34.9 (1 3/8")		166.7		190.6
	7	15.9 (5/8")		150.8		158.8
82.6 (3 1/4")	1	25.4 (1")	152.4	181.0	95.3	190.6
	2	50.8 (2")		196.9		222.3
	3	34.9 (1 3/8")		187.3		203.2
	4	44.5 (1 3/4")		193.6		216.0
101.6 (4")	1	34.9 (1 3/8")	152.4	187.3	95.3	203.2
	2	63.5 (2 1/2")		203.2		235.0
	3	44.5 (1 3/4")		193.6		216.0
	4	50.8 (2")		196.9		222.3
	7	25.4 (1")		181.0		190.5
127.0 (5")	1	44.5 (1 3/4")	158.8	201.6	92.1	222.3
	2	88.9 (3 1/2")		211.1		241.3
	3	50.8 (2")		204.7		228.6
	4	63.5 (2 1/2")		211.1		241.3
	5	76.2 (3")		211.1		241.3
	7	25.4 (1")		188.9		196.9
152.4 (6")	8	34.9 (1 3/8")	178.0	195.2	104.8	209.6
	1	44.5 (1 3/4")		217.4		235.2
	2	101.6 (4")		227.0		254.2
	3	50.8 (2")		220.7		241.3
	4	63.5 (2 1/2")		227.0		254.2
	5	76.2 (3")		227.0		254.2
	6	88.9 (3 1/2")		227.0		254.2
203.2 (8")	7	34.9 (1 3/8")	181.0	211.1	108.0	222.3
	1	50.8 (2")				244.5
	2	139.7 (5 1/2")				257.2
	3	63.5 (2 1/2")				257.2
	4	76.2 (3")				257.2
	5	88.9 (3 1/2")				257.2
	6	101.6 (4")				257.2
	7	34.9 (1 3/8")				225.4
	8	44.5 (1 3/4")				238.3
	0	127.0 (5")				257.2

杆用双耳环、单耳环支架和铰接销轴 杆用单耳环、双耳环架和铰接销轴

螺纹 KK	杆用双耳环	单耳环支架	铰接销轴	额定 载荷 kN	重量 kg	螺纹 KK	杆用单耳环	双耳环架	铰接销轴	额定 载荷 kN	重量 kg
M8x1.25	51221G	74077	-	7.7	0.4	M8x1.25	74075G	74076	74078	15.0	0.5
M10x1.5	50940G	69195	68368	18.3	0.7	M10x1.5	69089G	69205	68368	22.3	1.3
M12x1.5	50941G	69195	68368	18.3	0.7	M12x1.5	69090G	69205	68368	25.4	1.3
M20x1.5	50942G	69196	68369	46.8	2.3	M20x1.5	69091G	69206	68369	54.0	3.2
M22x1.5	50943G	85361 ¹	68370	83.8	5.2	M22x1.5	69092G	69207	68370	58.0	6.6
M26x1.5	50944G	85361 ¹	68370	91.0	5.1	M26x1.5	69093G	69207	68370	85.6	6.6
M33x2	50945G	69198	68371	94.5	9.9	M33x2	69094G	69208	68371	149.4	12.7
M39x2	50946G	85362 ¹	68372	203.3	19.5	M39x2	69095G	69209	68372	151.6	23.4
M45x2	50947G	85363 ¹	68373	312.1	28.6	M45x2	69096G	69210	69215	147.2	41.1
M48x2	50948G	85363 ¹	68373	312.1	28.5	M48x2	69097G	69210	69215	147.2	41.5
M58x2	50949G	85364 ¹	68374	420.0	48.4	M58x2	69098G	69211	68374	155.6	51.2
M64x2	50950G	85365 ¹	68375	420.0	63.4	M64x2	69099G	69212	68375	150.7	65.2
M68x2	50951G	85365 ¹	68375	543.6	63.1	M68x2	69100G	69213	69216	164.6	69.5
M76x2	50952G	73538	73545	256.0	104.8	M76x2	73536G	73542	73545	372.3	126.7
M90x2	50953G	73539	73547	334.4	157.8	M90x2	73437G	73542	73545	372.3	124.0
M100x2	50954G	73539	73547	334.4	156.6	M100x2	73438G	73543	82181	457.5	180.7
M110x2	-	-	-	-	-	M110x2	73439G	73544	73547	483.4	173.5

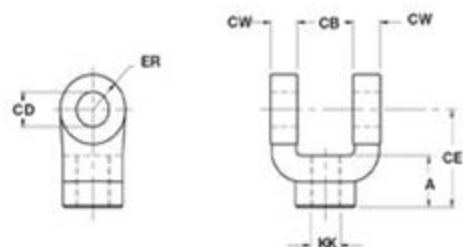
杆用双耳环、单耳环支架和铰接销轴 杆用单耳环、双耳环架和铰接销轴
缸盖 单耳环支架（用于 BB 和 BC 安装方式的缸）

缸内径 Ø	缸盖端单耳环架 件号	额定载荷 kN	重量 kg
25.4 (1")	74076 ²	16.0	0.4
38.1 (1½")	69195	18.3	0.4
50.8 (2")	69195	18.3	0.4
63.5 (2½")	69195	18.3	0.4
82.6 (3¼")	69196	46.8	1.5
101.6 (4")	69196	46.8	1.5
127.0 (5")	69196	46.8	1.5
152.4 (6")	85361 ¹	91.0	3.4
203.2 (8")	85361 ¹	91.0	3.4

杆用双耳环、单耳环支架和铰接销轴尺寸
杆用双耳环尺寸

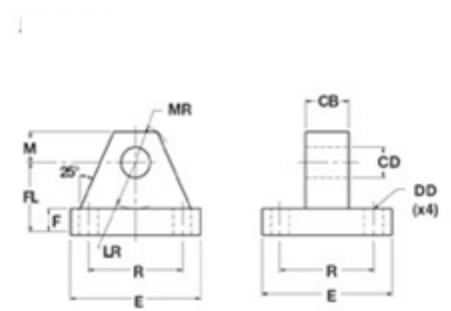
件号	A	CB	CD +0.10 -0.05	CE	CW	ER	KK	额定载荷 kN	重量 kg
51221G ¹	20.6	8.8	7.90	57.2	5.2	7.5	M8x1.25	11.6	0.1
50940G	19.1	19.8	12.70	38.1	12.7	12.7	M10x1.5	18.9	0.2
50941G	19.1	19.8	12.70	38.1	12.7	12.7	M12x1.5	21.9	0.2
50942G	26.6	32.6	19.05	54.0	15.9	19.1	M20x1.5	49.9	0.6
50943G	41.3	38.9	25.40	74.6	19.1	25.4	M22x1.5	83.8	1.3
50944G	41.3	38.9	25.40	74.6	19.1	25.4	M26x1.5	96.7	1.3
50945G	50.8	51.6	34.93	95.3	25.4	34.9	M33x2	149.4	3.1
50946G	57.2	64.7	44.45	114.3	31.8	44.5	M39x2	203.3	6.0
50947G	76.2	64.7	50.80	139.7	31.8	50.8	M45x2	317.9	8.4
50948G	76.2	64.7	50.80	139.7	31.8	50.8	M48x2	341.6	8.3
50949G	88.9	77.4	63.50	165.1	38.1	63.5	M58x2	480.2	15.1
50950G	88.9	77.4	76.20	171.5	38.1	69.9	M64x2	535.1	19.0
50951G	88.9	77.4	76.20	171.5	38.1	69.9	M68x2	589.9	18.7
50952G	88.9	102.8	88.90	196.9	50.8	88.9	M76x2	1048.8	34.1
50953G	101.6	116.0	101.6	223.8	57.2	101.6	M90x2	1292.2	49.8
50954G	101.6	116.0	101.6	223.8	57.2	101.6	M100x2	1480.0	48.6

杆用双耳环（内螺纹双耳环架）



单耳环支架尺寸

件号	CB	^{+0.10} CD ^{+0.05}	DD	E	F	FL	LR	M	MR	R	额定载荷 kN	重量 kg
74077	7.9	7.9	6.8	57.2	9.5	25.4	15.9	9.5	12.7	44.5	7.6	0.3
69195	19.1	12.70	10.3	63.5	9.5	28.6	19.1	12.7	14.3	41.4	18.3	0.4
69196	31.8	19.05	13.5	88.9	15.9	47.6	31.8	19.1	22.2	64.8	46.8	1.5
85361 ²	38.1	25.40	16.7	114.3	22.2	60.3	38.1	25.4	31.8	82.6	91.0	3.4
69198	50.8	34.93	16.7	127.0	22.2	76.2	54.0	34.9	41.3	97.0	94.5	5.6
85362 ²	63.5	44.45	23.0	165.1	28.6	85.7	57.2	44.5	54.0	125.7	220.6	11.1
85363 ²	63.5	50.80	27.0	190.5	38.1	101.6	63.5	50.8	61.9	145.5	312.1	17.0
85364 ²	76.2	63.50	30.2	215.9	44.5	120.6	76.2	63.5	76.2	167.1	420.0	27.4
85365 ²	76.2	76.20	33.3	241.3	50.8	133.3	82.6	69.9	82.6	190.5	543.6	35.8
73538	101.6	88.90	46.0	320.7	42.9	144.5	101.6	88.9	95.3	244.3	256.0	55.6
73539	114.3	101.6	52.4	377.8	49.2	163.5	114.3	101.6	108.0	290.8	334.4	84.3



单耳环支架尺寸

铰接销轴（用于双耳环架和单耳环支架）

件号	^{+0.00} CD ^{-0.05}	^{+0.0} CL ^{-0.5}	G	额定载荷 kN	重量 kg
74078	11.1	32.7	40	29.4	0.03
68368	12.73	46.3	56	38.4	0.1
68369	19.08	65.4	75	86.1	0.2
68370	25.43	77.9	88	152.9	0.5
68371	34.95	103.4	115	289.8	1.2
68372	44.48	128.8	143	469.1	2.4
68373	50.83	129.7	145	612.7	3.2
69215	50.83	141.4	158	612.7	3.5
68374	63.53	155.1	171	957.4	5.9
68375	76.23	154.7	173	1378.7	8.6
69216	76.23	167.7	185	1378.7	9.2
73545	88.93	205.7	225	1876.8	15.2
82181	101.63	215.5	235	2522.9	22.4
73547	101.63	231.7	251	2522.9	23.5

铰接销轴



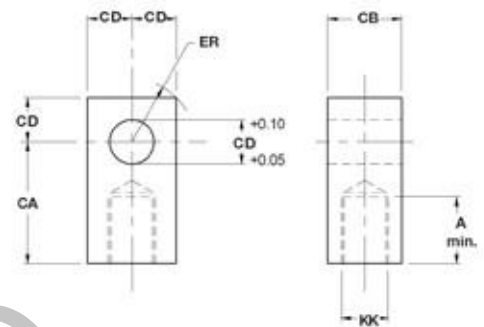
- ¹ 包含铰接销轴
² 液压缸附件尺寸符合NFPA推荐标准
NFPA/T3.6.8.R1 - 1984

杆用单耳环和双耳环架

杆用单耳环尺寸

件号	A min.	CA	CB	CD	ER	KK	额定载荷 kN	重量 kg
74075G	19.1	38.1	11.1	11.1	15.2	M8x1.25	14.7	0.1
69089G	19.1	38.1	19.1	12.70	18.3	M10x1.5	22.3	0.2
69090G	19.1	38.1	19.1	12.70	18.3	M12x1.5	25.4	0.2
69091G	28.6	52.4	31.8	19.05	27.0	M20x1.5	54.0	0.5
69092G	28.6	60.3	38.1	25.40	36.5	M22x1.5	58.0	1.1
69093G	41.3	71.4	38.1	25.40	36.5	M26x1.5	96.8	1.1
69094G	50.8	87.3	50.8	34.93	50.0	M33x2	149.4	2.6
69095G	57.2	101.6	63.5	44.45	63.5	M39x2	200.6	5.1
69096G	57.2	111.1	63.5	50.80	72.2	M45x2	238.6	6.4
69097G	76.2	127.0	63.5	50.80	72.2	M48x2	334.4	6.8
69098G	88.9	147.6	76.2	63.50	90.5	M58x2	440.1	12.1
69099G	88.9	155.6	76.2	76.20	108.0	M64x2	490.5	16.0
69100G	92.1	165.1	88.9	76.20	108.0	M68x2	549.8	19.6
73536G	101.6	193.7	101.6	88.90	126.2	M76x2	719.3	31.1
73437G	127.0	193.7	101.6	88.90	126.2	M90x2	969.0	28.4
73438G	139.7	231.8	114.3	101.6	144.5	M100x2	1220.9	42.5
73439G	139.7	231.8	127.0	101.6	144.5	M110x2	1375.6	48.4

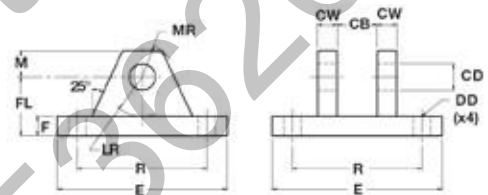
杆用单耳环



双耳环架尺寸

件号	CB	$\begin{smallmatrix} +0.10 \\ CD \\ +0.05 \end{smallmatrix}$	CW	DD	E	F	FL	LR	M	MR	R	额定载荷 kN	重量 kg
74076	12.0	11.1	9.5	6.8	57.2	9.5	25.4	15.9	9.5	12.7	44.5	16.0	0.4
69205	19.8	12.70	12.7	10.3	88.9	12.7	38.1	19.1	12.7	15.9	64.6	32.6	1.0
69206	32.6	19.05	15.9	13.5	127.0	15.9	47.6	30.2	19.1	23.0	97.0	62.4	2.5
69207	38.9	25.40	19.1	16.7	165.1	19.1	57.2	38.1	25.4	31.8	125.7	85.6	5.0
69208	51.6	34.93	25.4	16.7	190.5	22.2	76.2	50.8	34.9	42.1	145.5	164.6	8.8
69209	64.7	44.45	31.8	23.0	241.3	22.2	92.1	69.9	44.5	56.4	190.5	151.6	15.9
69210	64.7	50.80	38.1	27.0	323.9	25.4	108.0	81.0	57.2	70.6	238.8	147.2	31.2
69211	77.4	63.50	38.1	30.2	323.9	25.4	114.3	88.9	63.5	79.4	238.8	155.6	33.2
69212	77.4	76.20	38.1	33.3	323.9	25.4	152.4	108.0	76.2	91.3	238.8	150.7	40.7
69213	90.1	76.20	38.1	33.3	323.9	25.4	152.4	108.0	76.2	91.3	238.8	164.6	40.7
73542	102.8	88.90	50.8	46.0	393.7	42.9	169.9	127.0	88.9	104.8	304.8	372.3	80.4
73543	116.0	101.6	50.8	52.4	444.5	49.2	195.3	146.1	101.6	123.8	349.3	457.5	115.8
73544	128.2	101.6	50.8	52.4	444.5	49.2	195.3	146.1	101.6	123.8	349.3	483.4	101.6

双耳环架



如何订购

特 征	说 明	页码	代号	示 例															
缸内径	单位:																		
缸头端缓冲		A39	C																
双活塞杆		A30	K																
安装方式	缸头端拉杆伸出	A10 A22	TB																
	缸盖端拉杆伸出	A10 A22	TC																
	两端拉杆伸出	A10 A22	TD																
	缸头矩形法兰	A12 A24	J																
	缸头方形法兰	A12 A24	JB																
	缸盖矩形法兰	A14 A24	H																
	缸盖方形法兰	A14 A24	HB																
	侧面凸耳安装	A16 A26	C																
	侧面螺纹孔安装	A16 A26	F																
	端侧面凸耳	A17 A27	G																
	缸盖固定双耳环	A18 A25	BB																
	缸盖可拆双耳环	A18	BC																
	缸头耳轴	A20 A28	D																
	缸盖耳轴	A20 A28	DB																
	中间耳轴	A20 A28	DD																
安装修正	推力键 (仅C、F、G方式)	A34	P																
	阀块油口, O形圈密封 (仅C方式)	A35	M																
系列			3L																
油口类型	BSPP螺纹 (R1尺寸)	A41	R1																
	BSPP螺纹 (R2尺寸)	A41	R2																
	米制 (按 3852 Pt. 1)	A41	G																
	米制 (按ISO 6149)	A41	Y																
	NPTF (干密封管螺纹)	A41	U																
活塞类型	铸铁环活塞—标准	A7	C																
	唇形密封活塞	A7	L																
专用特征	加大油口	A41	S																
	活塞杆端护罩	A43																	
	特殊密封	A42																	
	止动管	A37																	
	行程调整器	A43																	
	拉杆支撑	A34																	
	用油的修改 或按客户提供的图样或说明	A42																	
活塞杆号	活塞杆代号为1、2、3、4、5、6、7、8、或0	A3 A46																	
活塞杆端	方式4	A3 A46	4																
	方式8	A3 A46	8																
	方式9	A3 A46	9																
	专用—请提供说明或图样	A3 A46	3																
活塞杆端 螺 纹	米制 (标准)	A3 A46	M																
	UNF (可选)	A3 A46	A																
缸盖端缓冲		A39	C																
净行程长度	单位: mm																		
油液介质	组别1	A42	M																
	组别2	A42	C																
	组别3	A42	P																
	组别4	A42	R																
	组别5	A42	D																
	组别6	A42	A1																
	组别7	A42	B																
油口位置	缸头位置1-4	A41	1																
	缸盖位置1-4		1																
放气阀	缸头位置1-4	A43	4																
	缸盖位置1-4		4																
	无放气阀		00																

双活塞杆缸—示例

	K	J	3L	R1	N	1	4	M	1	4	M	230	A1	11	44
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附件
请在订单中注明, 附件是安装在缸上, 还是单独供货。

- 缸的基本型号
- 可选特征或保持空白