

AM Series (ISO - 6431/VDMA 24562)



(Specifications)

(Bore) mm	32 • 40 • 50 • 63 • 80 • 100 • 125	
(Fluid)	(Air)	
(Operating pressure)	0.5; 9.9 kgf/cm ²	
(Temperature)	-20; +80 °C	
(Piston speed)	Max. 1 m/s	
(Stroke) mm	(1) S ≤ 500 : +2.0~0 (2) 501 ≤ S ≤ 1250 : +3.2~0	
(Cushion length) mm	φ32	22
	φ40	24
	φ50 • φ63	26
	φ80 • φ100	30
	φ125	40

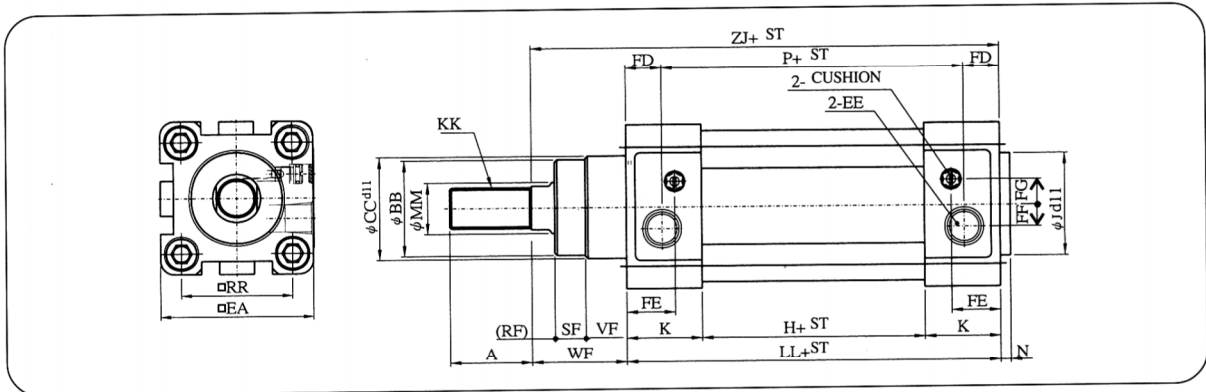
(Theoretical force)

Bore (mm)	Rod (mm)	(Action)	(Pressed area) cm ²	kgf/cm ² (Operating pressure)					
				3	4	5	6	7	8
32	12	(Push)	8.04	24	32	40	48	56	64
		(Pull)	6.91	21	27	34	41	48	55
40	16	(Push)	12.56	38	50	63	75	88	100
		(Pull)	10.56	32	42	53	63	74	84
50	20	(Push)	19.63	59	79	98	118	137	157
		(Pull)	16.49	49	66	82	99	115	132
63	20	(Push)	31.16	93	125	156	187	218	249
		(Pull)	28.02	84	112	140	168	196	224
80	25	(Push)	50.24	151	201	251	301	352	402
		(Pull)	45.34	136	181	227	272	317	363
100	25	(Push)	78.5	236	314	393	471	550	628
		(Pull)	73.6	221	294	368	442	515	589
125	32	(Push)	122.7	368	491	614	736	859	982
		(Pull)	114.7	344	459	574	688	803	918

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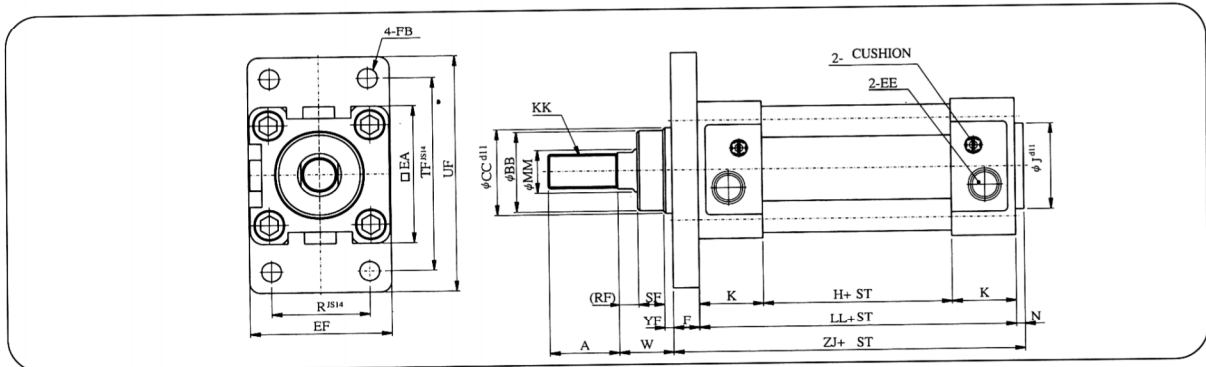
(Dimensions)

AM-SD



Size Bore	A	MM	KK	BB	CC	DD	EA	EE	FD	FE	FF	FG	H	J	K	LL	N	P	RF	RR	SF	SS	TT	VF	WF	ZJ
32	22	12	M10XP1.25	28.7	30	M6X1.0	46	1/8RC	15.5	18	5	6	44	30	25	94	4	63	8	32.5	4	10	7	14	26	120
40	24	16	M12XP1.25	33.7	35	M6X1.0	54	1/4RC	14	17.5	6	8	46	35	29.5	105	4	77	8.5	38	7.5	14	7	14	30	135
50	32	20	M16XP1.5	37.3	40	M8X1.25	64	1/4RC	14	19	8.5	10	47	40	29.5	106	4	78	9	46.5	12	17	8	16	37	143
63	32	20	M16XP1.5	42.3	45	M8X1.25	75	3/8RC	17	23.5	10	12.5	50	45	35.5	121	4	87	8.5	56.5	12.5	17	8	16	37	158
80	40	25	M20XP1.5	43	45	M10X1.5	93	3/8RC	16.4	26.9	8	12.5	56	45	36	128	4	95.2	11.3	72	14.7	21	10	20	46	174
100	40	25	M20XP1.5	53	55	M10X1.5	110	1/2RC	18.8	26.8	10	11.8	60	55	39	138	4	100.4	12.8	89	18.2	21	11	20	51	189
125	54	32	M27XP2.0	58	60	M12X1.75	136	1/2RC	18	32	8	13	70	60	45	160	6	124	19	110	20	27	17	26	65	225

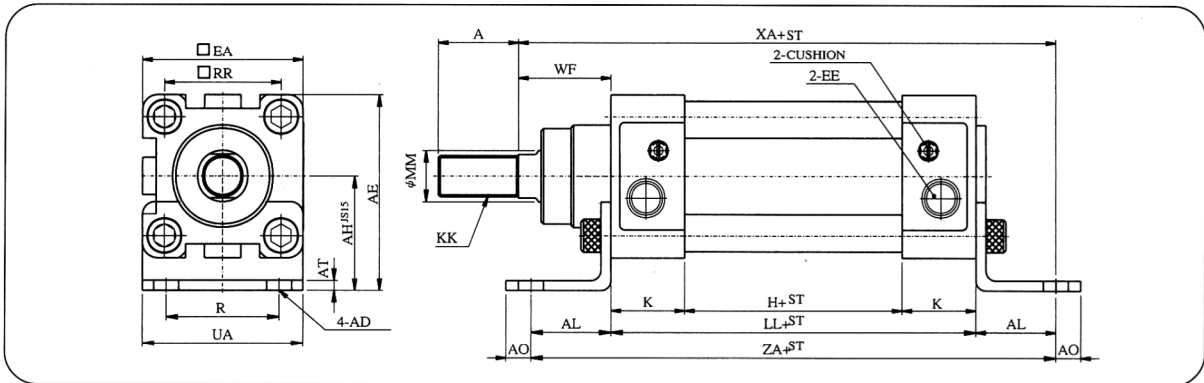
AM - FA



Size Bore	A	MM	KK	BB	CC	DD/DE	EA	EE	EF	F	FB	H	J	K	LL	N	R	RF	SF	SS	TF	TT	UF	W	YF	ZJ
32	22	12	M10XP1.25	28.7	30	M6X1.0	46	1/8RC	50	10	7	44	30	25	94	4	32	8	4	10	64	7	80	16	4	104
40	24	16	M12XP1.25	33.7	35	M6X1.0	54	1/4RC	55	10	9	46	35	29.5	105	4	36	8.5	7.5	14	72	7	90	20	4	115
50	32	20	M16XP1.5	37.3	40	M8X1.25	64	1/4RC	65	12	9	47	40	29.5	106	4	45	9	12	17	90	8	110	25	4	118
63	32	20	M16XP1.5	42.3	45	M8X1.25	75	3/8RC	75	12	9	50	45	35.5	121	4	50	8.5	12.5	17	100	8	125	25	4	133
80	40	25	M20XP1.5	43	45	M10X1.5	93	3/8RC	100	16	12	56	45	36	128	4	63	11.3	14.7	21	126	10	154	30	4	144
100	40	25	M20XP1.5	53	55	M10X1.5	110	1/2RC	120	16	14	60	55	39	138	4	75	12.8	18.2	21	150	11	186	35	4	154
125	54	32	M27XP2.0	58	60	M12X1.75	136	1/2RC	150	20	16	70	60	45	160	6	90	19	20	27	180	17	220	45	6	186

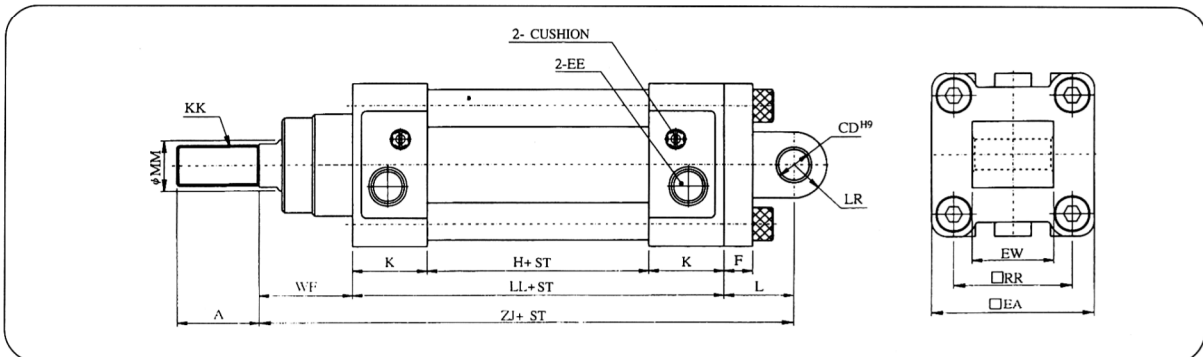
AM Serie (ISO-6431/VDMA 24562)

AM-LB



Size Bore	A	MM	KK	AD	AE	AH	AL	AO	AT	DD/DE	EA	EE	H	K	LL	R	RR	SS	TT	UA	WF	XA	ZA
32	22	12	M10XP1.25	10	59	36	26	9	4	M6X1.0	46	1/8RC	44	25	94	36	32.5	10	7	54	26	146	146
40	24	16	M12XP1.25	10	63	36	28	9	4	M6X1.0	54	1/4RC	46	29.5	105	36	38	14	7	54	30	163	161
50	32	20	M16XP1.5	10	77	45	32	10	4	M8X1.25	64	1/4RC	47	29.5	106	45	46.5	17	8	64	37	175	170
63	32	20	M16XP1.5	10	87.5	50	32	13	4	M8X1.25	75	3/8RC	50	35.5	121	50	56.5	17	8	75	37	190	185
80	40	25	M20XP1.5	12	109.5	63	41	15	5	M10X1.5	93	3/8RC	56	36	128	63	72	21	10	93	46	215	210
100	40	25	M20XP1.5	14.5	126	71	41	18	5	M10X1.5	110	1/2RC	60	39	138	75	89	21	11	110	51	230	220
125	54	32	M27XP2.0	16.5	158	90	45	22	6	M12X1.75	136	1/2RC	70	45	160	90	110	27	17	131	65	270	250

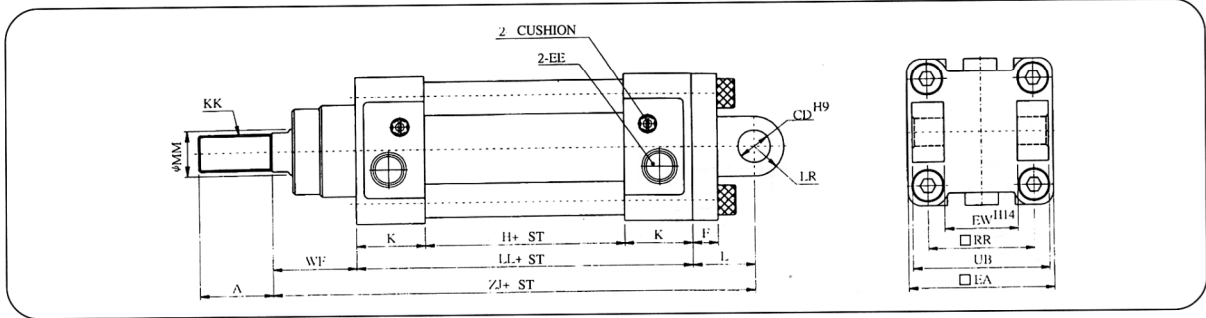
AM-CA



Size Bore	A	MM	KK	CD	DD/DE	EA	EE	EW	F	H	K	L	LL	LR	RR	SS	TT	WF	ZJ
32	22	12	M10XP1.25	10	M6X1.0	46	1/8RC	26	9	44	25	22	94	R10	32.5	10	7	26	142
40	24	16	M12XP1.25	12	M6X1.0	54	1/4RC	28	9	46	29.5	25	105	R12	38	14	7	30	160
50	32	20	M16XP1.5	12	M8X1.25	64	1/4RC	32	11	47	29.5	27	106	R13	46.5	17	8	37	170
63	32	20	M16XP1.5	16	M8X1.25	75	3/8RC	40	11	50	35.5	32	121	R16	56.5	17	8	37	190
80	40	25	M20XP1.5	16	M10X1.5	93	3/8RC	50	14	56	36	36	128	R16	72	21	10	46	210
100	40	25	M20XP1.5	20	M10X1.5	110	1/2RC	60	14	60	39	41	138	R20	89	21	11	51	230
125	54	32	M27XP2.0	25	M12X1.75	136	1/2RC	70	20	70	45	50	160	R25	110	27	17	65	275

AM Serie (ISO-6431/VDMA 24562)

AM-CB



Size	A	MM	KK	CD	DD/DE	EA	EE	EW	F	H	K	L	LL	LR	RR	SS	TT	UB	WF	ZJ
32	22	12	M10XP1.25	10	M6X1.0	46	1/8RC	26	9	44	25	22	94	R10	32.5	10	7	45	26	142
40	24	16	M12XP1.25	12	M6X1.0	54	1/4RC	28	9	46	29.5	25	105	R12	38	14	7	52	30	160
50	32	20	M16XP1.5	12	M8X1.25	64	1/4RC	32	11	47	29.5	27	106	R13	46.5	17	8	60	37	170
63	32	20	M16XP1.5	16	M8X1.25	75	3/8RC	40	11	50	35.5	32	121	R16	56.5	17	8	70	37	190
80	40	25	M20XP1.5	16	M10X1.5	93	3/8RC	50	14	56	36	36	128	R16	72	21	10	90	46	210
100	40	25	M20XP1.5	20	M10X1.5	110	1/2RC	60	14	60	39	41	138	R20	89	21	11	110	51	230
125	54	32	M27XP2.0	25	M12X1.75	136	1/2RC	70	20	70	45	50	160	R25	110	27	17	130	65	275

Pneumatic Units

ROD EYE BEARING

PHS-16		PHS-12		PHS-10		PHS-8	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
PHS-5.....	M5x0.8	PHS-12.....	M12xP1.75	PHS-20.....	M20xP1.5	PHS-6.....	M6x1
PHS-6.....	M6x1	PHS-14.....	M14xP2.0	PHS-22.....	M22xP1.5	PHS-8.....	M8xP1.25
PHS-8.....	M8xP1.25	PHS-16.....	M16xP2.0	PHS-24.....	M24xP2.0	PHS-10.....	M10xP1.5
PHS-10.....	M10xP1.5	PHS-18.....	M18xP1.5	PHS-30.....	M30xP2.0		

FLOATING JOINT

AKG-1018		AKG-1014		AKG-1012		AKG-1008	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
AKG-1003.....	M3xP0.50	AKG-1008.....	M8xP1.25	AKG-1020.....	M20xP1.50	AKG-1004.....	M4xP0.70
AKG-1004.....	M4xP0.70	AKG-1010.....	M10xP1.25	AKG-1022.....	M22xP1.50	AKG-1005.....	M5xP0.80
AKG-1005.....	M5xP0.80	AKG-1012.....	M12xP1.25	AKG-1024.....	M24xP1.50	AKG-1006.....	M6xP1.00
AKG-1006.....	M6xP1.00	AKG-1014.....	M14xP1.50	AKG-1026.....	M26xP1.50		
		AKG-1016.....	M16xP1.50	AKG-1030.....	M30xP1.50		
		AKG-1018.....	M18xP1.50	AKG-1036.....	M36xP2.0		