



DNC 系列ISO6431标准气缸/DNC Series ISO6431 Standard Cylinder



DNC-50×100

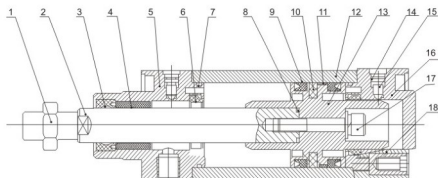


DNC-63×100

订购码/Ordering Code

外形	系列代号	缸径	行程	调整行程	磁环代号	固定型式
空自为管形	DNC	63	50	25	S	LB
T拉杆形	DNC ISO6431标准双轴型	缸径	行程	调整行程	空自 磁环型	空自 磁环型
M-米字管形	DNC ISO6431标准双轴型	缸径	行程	调整行程	S-内置磁环	PA-前盖固定型 (前注注)
Tube Type	DNC ISO6431 Standard	缸径	行程	调整行程	Blank/Without Magnet	FB-后盖固定型 (后注注)
Blank-Square Type	DNC ISO6431 Standard Double-shaft	缸径	行程	调整行程	S-With Magnet	CA-前盖固定型 (单耳耳)
T-Tie-rod Type	DNC ISO6431 Double-shaft	缸径	行程	调整行程		CB-后盖固定型 (双耳耳)
M-Mickey Mouse Type	DNC ISO6431 Double-shaft adjustable stroke type	缸径	行程	调整行程		SDB-后盖固定型 (斜耳耳)

内部结构/Internal structure



序号 NO	名称 Designation	序号 NO	名称 Designation
1	活塞杆螺母/Piston Rod Nut	2	活塞杆/Piston Rod
3	前盖防尘圈/Front Cover Seal Ring	4	含油轴承/Oiliness Bearing
5	前盖/Front Cover	6	缓冲密封圈/Cushion Seal
7	管壁O令/Cover O-Ring	8	活塞杆O令/Piston rod O-Ring
9	活塞密封件/Piston seal	10	磁铁 (可选) /Magnet(Optional)
11	耐磨环/Wear Ring	12	缸筒/Barrel
13	活塞/Piston	14	缓冲针密封圈/Cushion Seal
15	缓冲调节针/Cushion Needle	16	后盖/Rear Cover
17	内六角螺栓/Hexagon Screw	18	端盖固定螺母/Profile Bolt

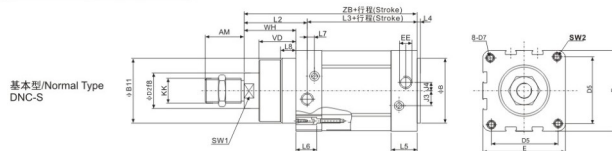
规格/Specifications

内径/Bore(mm)	32	40	50	63	80	100
动作形式/Motion Pattern	复动/Double Action					
工作介质/Working Medium	经过滤的空气/Filtered Air					
保证耐压力/Guaranteed Pressure	1.5MPa					
最高工作压力/Max. Operating Pressure	1.0MPa					
最低工作压力/Min. Operating Pressure	0.1MPa					
缓冲/Buffer	气缓冲 (标准) /Air Buffer(Standard)					
环境温度/Condition Temperature	-5~70℃					
使用速度/Operating Speed	50-800mm/s					
接管口径/Port Size	G1/8"	G1/4"	G3/8"	G1/2"		

行程/Stroke

内径/Bore	标准行程/Standard Stroke	缓冲行程/Buffer Stroke	最大行程范围/Stroke Range
32		20	
40	25 40 50 80		
50	100 125 160	22	10-2000
63	200 250 320		
80	400 500	32	
100			

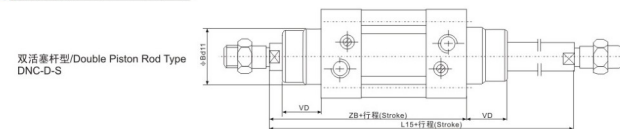
外形尺寸图/Main Dimensions(mm)



尺寸表/Dimension Sheet

内径/Bore	AM	B	D2	D5	D7	E	EE(G)	J3	J4	KK	L2	L3	L4	L5	L6	L7	L8	SW1	SW2	VD	WH	ZB
32	22	30	12	32.5	M6	45	1/8	6	5.2	M10×1.25	41.6	62.8	4	26	16	3.3	10	10	6	16	26	120
40	24	35	16	38	M6	54	1/4	8	6	M12×1.25	44	77	4	29.6	16	3.6	10.5	13	6	20	30	135
50	32	40	20	46.5	M8	64	1/4	10	8.5	M16×1.5	51	78	4	30	17	5.1	11.5	17	8	27	37	143
63	32	45	20	56.5	M8	75	3/8	12.4	10	M16×1.5	54	87	4	35.6	17	6.6	15	17	8	27	37	158
80	40	45	25	72	M10	93	3/8	12.5	8	M20×1.5	62.4	95.2	4	35.9	17	10.5	15.7	22	10	34.7	46	174
100	40	55	25	89	M10	110	1/2	11.8	10	M20×1.5	69.8	100.4	4	39	17	8	19.2	22	10	38.2	51	189

外形尺寸图/Main Dimensions(mm)



尺寸表/Dimension Sheet

内径/Bore	32	40	50	63	80	100
B	30	35	40	45	45	55
L15	46	165	180	195	220	240
VD	16	20	27	27	34.7	38.2
ZB	120	135	143	158	174	189



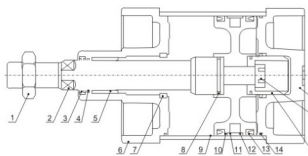
SI 系列ISO6431标准气缸/SI Series ISO6431 Standard Cylinder



订购码/Ordering Code

SI	50	×	50	—	25	—	S	—	LB
系列代号 SI:ISO6431标准双动型 SID:ISO6431标准双轴双动型 SIJ:ISO6431标准双轴可调型 Series Code SI:ISO6431 Standard Double Action Type SID:ISO6431 Standard Double-shaft Double Action Type SIJ:ISO6431 Double-shaft adjustable stroke type	缸径 Cylinder Bore		行程 Stroke		调整行程 Adjustable Stroke 25:25mm 50:50mm		磁石代号 空白:基本型 S:内置磁球 Magnet Code Blank:Without Magnet S:With Magnet		固定型式 空白:基本型 LB:前后固定型 FA:前置固定型(前法兰) FB:后置固定型(后法兰) CA:前置固定型(单耳环) CB:后置固定型(双耳环) TC:中间摆摆式 SDB:后置固定型(斜耳环) Blank:Normal type LB:front and back fixed type FA:front cover fixed type(Front flange type) FB:back cover fixed type(Rear flange type) CA:back cover fixed type (Single Earning) CB:back cover fixed type(Double Earning) TC:central Swinging Type SDB:back cover fixed type

内部结构/Internal structure



序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	活塞杆螺母/Piston Rod Nut	11	活塞/Piston
2	活塞杆/Piston rod	12	耐磨环/Wearing
3	前盖密封圈/Front cover seal ring	13	磁球(可选)/Magnet(Optional)
4	O型O-Ring	14	活塞O型Piston O-Ring
5	含油轴承/Oiliness Bearing	15	管型O型Cover O-Ring
6	前盖/Front cover	16	缓冲球/Damping
7	缓冲球O型Buffering O-Ring	17	六角螺栓/Hexagon Screw
8	活塞杆Piston rod O-Ring		
9	缸筒/Bore		

规格/Specifications

内径(Bore/mm)	32	40	50	63	80	100	125	160	200
动作型式/Motion Pattern	双动型/Double Action								
工作介质/Working Medium	空气/Air								
固定型式/Fixed Type	基本型/Normal type FA型/type FB型/type CA型/type CB型/type LB型/type TC型/type								
使用压力范围/Working Pressure Range	0.1~0.8MPa								
保证耐压/Ensured Pressure Resistance	1.35MPa								
使用温度范围/Operating Temperature Range	-5~70℃								
使用速度范围/Operating Speed Range	50~800mm/s								
缓冲型式/Buffer Type	可调缓冲/Adjustable Buffer								
缓冲行程/Buffer Stroke	24								
接管口径/Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"				

SI 系列ISO6431标准气缸/SI Series ISO6431 Standard Cylinder

气缸理论处理量/Cylinder theory output

气缸内径 Cylinder inside Diameter	活塞杆外径/ External Diameter of Piston Rod	动作型式/ Potion Pattern	至压缩面积/ Compression Area(cm ²)	空气压力/Air Pressure(kgf/cm ²)								
				1	2	3	4	5	6	7	8	9
32	12	双动型/ Double Action	压缩/Press Side 8.04 拉侧/Pull Side 6.90	8.04 6.90	16.08 13.80	24.12 20.07	32.16 27.60	40.20 34.50	48.24 41.40	56.28 48.30	64.32 55.20	72.36 62.10
40	16	双动型/ Double Action	压缩/Press Side 12.56 拉侧/Pull Side 10.55	12.56 10.55	25.12 21.10	37.68 31.65	50.24 42.20	62.80 52.75	75.36 63.30	87.92 73.85	100.24 84.40	113.04 94.95
50	20	双动型/ Double Action	压缩/Press Side 19.63 拉侧/Pull Side 16.49	19.63 16.49	39.26 32.98	58.89 49.47	78.52 65.96	98.15 82.45	117.78 98.94	137.41 115.43	157.04 139.92	176.67 148.41
63	20	双动型/ Double Action	压缩/Press Side 31.17 拉侧/Pull Side 28.03	31.17 28.03	62.34 56.06	93.51 84.09	124.68 112.12	155.85 140.15	187.02 168.18	218.19 196.21	249.36 224.24	280.53 252.27
80	25	双动型/ Double Action	压缩/Press Side 45.36 拉侧/Pull Side 45.36	50.26 45.36	100.52 90.72	150.78 136.08	201.04 181.44	251.30 226.80	301.56 272.16	351.82 317.52	402.08 326.88	452.34 408.24
100	25	双动型/ Double Action	压缩/Press Side 78.53 拉侧/Pull Side 71.47	78.53 71.47	157.06 142.94	235.59 214.41	314.12 285.88	392.65 357.35	471.18 428.82	549.71 500.29	628.24 571.76	706.77 643.23
125	32	双动型/ Double Action	压缩/Press Side 122.72 拉侧/Pull Side 114.68	122.72 114.68	245.44 229.36	368.16 344.04	490.88 458.72	613.60 573.40	736.32 688.08	859.04 802.76	981.76 917.44	1104.48 1032.12
160	40	双动型/ Double Action	压缩/Press Side 201.06 拉侧/Pull Side 188.49	201.06 188.49	402.12 376.98	603.18 565.47	804.24 753.96	1005.30 942.45	1206.36 1130.94	1407.42 1319.43	1608.48 1507.92	1809.54 1696.41
200	40	双动型/ Double Action	压缩/Press Side 314.16 拉侧/Pull Side 301.57	314.16 301.57	628.32 603.14	942.48 904.71	1256.64 1206.28	1570.80 1507.80	1884.96 1809.42	2199.12 2100.99	2513.28 2412.56	2827.44 2714.13

行程/Stroke

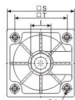
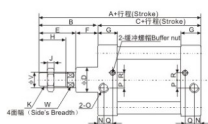
内径/ Bore(mm)	标准行程/Standard Stroke																最大行程/ Max.Stroke	容许行程/ Permissible Stroke
32	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500		1000	2000
40	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800
50	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800
63	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800
80	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800
100	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800
125	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800
160	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800
200	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800



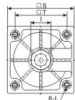
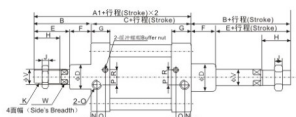
SI 系列ISO6431标准气缸/SI Series ISO6431 Standard Cylinder

外形尺寸图/Main Dimensions(mm)

SI 系列/SI Series



SID 系列/SID Series



SUJ 系列/SUJ Series



尺寸表/Dimension Sheet

内径/杆径 Bore/Stroke	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	187	48	94	30	28	20	27.5	22	17	6	M10×1.25	M6
40	159	213	207	54	105	35	32	22	29	24	19	7	M12×1.25	M6
50	175	244	233	69	106	40	42	27	30	32	24	8	M16×1.5	M8
63	190	259	250	69	120	45	40	29	31	32	24	8	M16×1.5	M8
80	214	300	286	86	128	45	53	33	35	40	30	10	M20×1.5	M10
100	229	320	308	91	138	55	55	36	36	40	30	10	M20×1.5	M10
125	279	398	372.5	119	160	60	74	45	46	54	41	13.5	M27×2	M12
160	332	484	448	152	180	65	94	58	50	72	55	18	M36×2	M16
200	337	514	472	157	180	75	100	57	50	72	55	18	M36×2	M16

内径/杆径 Bore/Stroke	N	O	P	Q	R	S	T	V	W	Z
32	13.5	G1/8"	4	7.5	7	47	32.5	12	10	21
40	16	G1/4"	6	8.5	9	53	38	16	13	21
50	15.5	G1/4"	8.5	7.5	7.5	65	46.5	20	17	23
63	16.5	G3/8"	7.5	8.5	9	75	56.5	20	17	23
80	16.5	G3/8"	11	8.5	13.5	95	72	25	22	29
100	18.5	G1/2"	13.5	9.5	14.5	115	89	25	22	29
125	23	G1/2"	14	12	14	140	110	32	27	35
160	25	G3/4"	15	12	20	180	140	40	36	40
200	25	G3/4"	15	12	20	220	175	40	36	40

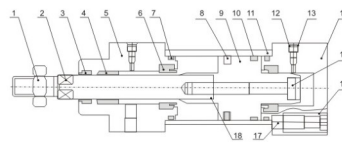
SC/SU 系列标准气缸/SC/SU Series Standard Cylinder



订购码/Ordering Code

SC	50	50	25	S	LB
系列代号 SC: 标准复制型(柱杆式) SCD: 双轴复制型(柱杆式) SCJ: 双轴复制型(可调型) SU: 标准复制型(无柱杆式) Type SC: Standard double action(Tie-rod Type) SCD: Double-shaft double action(Tie-rod Type) SCJ: Double-shaft double action adjustable type(Tie-rod Type) SU: Standard double action (Without Tie-rod type)	缸径 Cylinder Bore	行程 Stroke	调整行程 Adjustable Stroke 25:25mm 50:50mm 75:75mm	磁石代号 空白: 标准型 S: 内置磁环 Magnet Code Blank-Without Magnet S-With Magnet	固定型式 空白: 基本型 LB: 前后固定型 FA: 前盖固定型(前法兰) FB: 后盖固定型(前法兰) CA: 后盖固定型(单耳型) CB: 后盖固定型(双耳型) TC: 中间摆臂式 TC-M: 摆臂式附脚座 Fixed Type Blank-Normal type LB: front and back fixed type FA: front cover fixed type(Front flange type) FB: back cover fixed type(Rear flange type) CA: back cover fixed type (Single Earring) CB: back cover fixed type(Double Earring) TC: Central Swinging Type TC-M: Central Swinging Type attaching foot seat

内部结构/Internal structure



序号 NO.	名称 Designation	序号 NO.	名称 Designation
1	活塞杆螺母/Piston Rod Nut	10	耐磨环/Wear Ring
2	活塞杆/Piston rod	11	缸筒/Barrel
3	前盖密封圈/Front cover seal ring	12	缓冲密封圈/Buffer Seal Ring
4	全油轴承/Oiliness Bearing	13	缓冲可调节阻尼可调螺钉 Damping adjustable screw
5	前盖/Front cover	14	后盖/Back Cover
6	缓冲O型圈/Buffering O-ring	15	内六角螺栓/Hexagon Screw
7	缓冲O型圈/Cover O-ring	16	拉杆螺母/Tie Rod Nut
8	活塞O型圈/Piston O-ring	17	拉杆/Tie Rod
9	活塞/Piston	18	活塞杆密封圈/Piston Rod Seal



SC/SU 系列标准气缸/SC/SU Series Standard Cylinder

规格/Specifications

内径/Bore(mm)	32	40	50	63	80	100	125	160	200
动作型式/Motion Pattern	复动型/Double Action								
工作介质/Working Medium	空气/Air								
固定型式/Fixed Type	基本型/Normal type FA型/Type FB型/Type CA型/Type CB型/Type LB型/Type TC型/Type TC-M型/ type								
使用压力范围/Operating Pressure Range	0.1~0.9kgf/cm ²								
保证耐压力/Ensured Pressure Resistance	1.35Mpa								
使用温度范围/Operating Temperature Range	-5~70℃								
使用速度范围/Operating Speed Range	300~800mm/s								
缓冲行程/Buffer Type	可调缓冲/Adjustable Buffer								
缓冲行程/Buffer Stroke	24								
接管口径/Port Size	G1/8"	G1/4"		G3/8"				G3/4"	

SCD,SCJ 的固定型式为 FA,FB,LC,TC和TC-M型。 SCD,SCJ Fixed Type FA,FB,LC,TC & TC-M Type.

气缸理论输出/Cylinder theory output

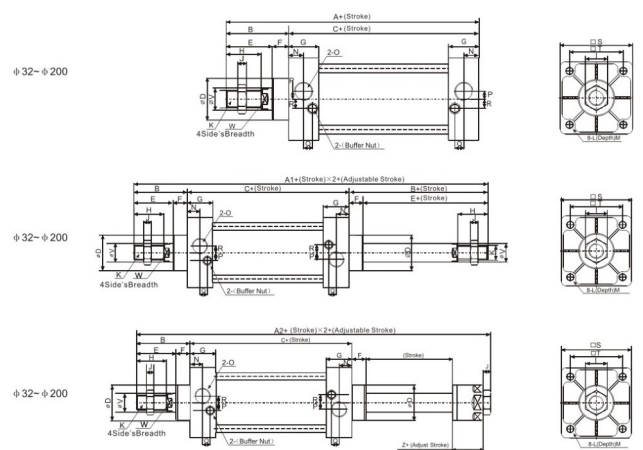
气缸内径/ Cylinder Diameter	活塞杆外径/ External Diameter of Piston Rod	动作型式/ Motion Pattern	受压面积/ Compression Area(cm ²)	空气压力/Air Pressure(kgf/cm ²)								
				1	2	3	4	5	6	7	8	9
32	12	复动型/Double Action	8.04	8.04	16.08	24.12	32.16	40.20	48.24	56.28	64.32	72.36
		拉紧/拉紧侧/Double Action Pull Side	6.90	6.90	13.80	20.07	27.60	34.50	41.40	48.30	55.20	62.10
40	16	复动型/Double Action	12.56	12.56	25.12	37.68	50.24	62.80	75.36	87.92	100.48	113.04
		拉紧/拉紧侧/Double Action Pull Side	10.55	10.55	21.10	31.65	42.20	52.75	63.30	73.85	84.40	94.95
50	20	复动型/Double Action	19.63	19.63	39.26	58.89	78.52	98.15	117.78	137.41	157.04	176.67
		拉紧/拉紧侧/Double Action Pull Side	16.49	16.49	32.98	49.47	65.96	82.45	98.94	115.43	131.92	148.41
63	25	复动型/Double Action	31.17	31.17	62.34	93.51	124.68	155.85	187.02	218.19	249.36	280.53
		拉紧/拉紧侧/Double Action Pull Side	28.03	28.03	56.06	84.09	112.12	140.15	168.18	196.21	224.24	252.27
80	32	复动型/Double Action	50.26	50.26	100.52	150.78	201.04	251.30	301.56	351.82	402.08	452.34
		拉紧/拉紧侧/Double Action Pull Side	45.36	45.36	90.72	136.08	181.44	226.80	272.16	317.52	362.88	408.24
100	40	复动型/Double Action	78.53	78.53	157.06	235.59	314.12	392.65	471.18	549.71	628.24	706.77
		拉紧/拉紧侧/Double Action Pull Side	71.47	71.47	142.94	214.41	285.88	357.35	428.82	500.29	571.76	643.23
125	50	复动型/Double Action	122.72	122.72	245.44	368.16	490.88	613.60	736.32	859.04	981.76	1104.48
		拉紧/拉紧侧/Double Action Pull Side	114.68	114.68	229.36	344.04	458.72	573.40	688.08	802.76	917.44	1032.12
160	63	复动型/Double Action	201.06	201.06	402.12	603.18	804.24	1005.30	1206.36	1407.42	1608.48	1809.54
		拉紧/拉紧侧/Double Action Pull Side	188.49	188.49	376.98	565.47	753.96	942.45	1130.94	1319.43	1507.92	1696.41
200	80	复动型/Double Action	314.16	314.16	628.32	942.48	1256.64	1570.80	1884.96	2199.12	2513.28	2827.44
		拉紧/拉紧侧/Double Action Pull Side	301.57	301.57	603.14	904.71	1206.28	1507.80	1809.42	2100.99	2402.56	2704.13

行程/Stroke

内径/ Bore(mm)	标准行程/Standard Stroke															最大行程/ Max Stroke	容许行程/ Permissible Stroke
32	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	1000	2000
40	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700 800
50	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700 800 900 1000
63	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700 800 900 1000
80	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700 800 900 1000
100	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700 800 900 1000
125	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700 800 900 1000
160	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700 800 900 1000

SC/SU 系列标准气缸/SC/SU Series Standard Cylinder

外形尺寸图/Main Dimensions(mm)



尺寸表/Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10×1.25
40	142	191	185	49	93	32	34	15	27.5	24	17	7	M12×1.25
50	150	207	196	57	93	38	42	15	27.5	32	23	8	M16×1.5
63	153	210	199	57	96	38	42	15	27.5	32	23	8	M16×1.5
80	183	258	243	75	108	47	54	21	33	40	26	10	M20×1.5
100	183	243	243	75	108	47	54	21	33	40	26	10	M20×1.5
125	226	330	363	104	122	55	70	34	33	54	40	10	M27×2
160	291	412	450	123	168	62	91	32	48	72	55	18	M36×2
200(Lron)	347	409	451	167	180	80	112	55	48	72	55	18	M36×2

Bore/Symbol	L	M	N	O	P	Q	R	S	T	V	W	Z
32	M6×1	9.5	13.7	G1/8"	3.5	7.5	7	45	33	12	12	21
40	M6×1	9.5	13.5	G1/4"	6	8.2	9	50	37	16	14	21
50	M6×1	9.5	13.5	G1/4"	8.5	8.2	9	62	47	20	17	23
63	M8×1.25	9.5	13.5	G3/8"	7	8.2	8.5	75	56	20	17	23
80	M10×1.5	11.5	16.5	G3/8"	10	9.5	14	94	70	25	22	29
100	M10×1.5	11.5	16.5	G1/2"	11	9.5	14	112	84	25	22	29
125	M12×1.75	15.5	16.5	G1/2"	/	/	/	140	110	32	27	33
160	M16×2	17.5	25	G1/2"	/	/	/	180	140	40	36	38
200	M16×2	17.5	25	G3/4"	/	/	/	220	175	40	36	42