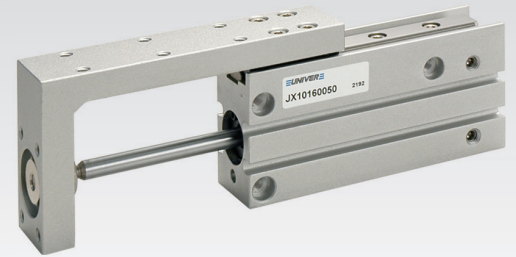


JX1

Ø 6 ÷ 20 mm - Pneumatic Mini Slide Unit

- High rigidity, linearity, non-rotation precision
- Long strokes up to 60mm
- Cylinder table suitable for short assembly
- Connections from 3 sides
- Fixing holes in 4 positions



TECHNICAL CHARACTERISTICS

Ambient temperature	-5 ÷ 60 °C		
Fluid	filtered air, with or without lubrication		
Working pressure	Ø6	Ø10-16	Ø20
	1,2 ÷ 7 bar	0,6 ÷ 7 bar	0,5 ÷ 7 bar
Piston speed	50 ÷ 500 mm/s		
Bores	Ø 6 - 10 - 16 - 20 mm		
Cushionings	elastic buffers		

CONSTRUCTIVE CHARACTERISTICS

Body	aluminium
Piston	aluminium
Piston rod	chromium-plated stainless steel AISI 303
Piston seals	nitrile rubber
Table	aluminium
Linear guide	stainless steel
Shock absorber seals	nitrile rubber in both sides
Magnet	standard supplied

CODIFICATION KEY

J	X	1	0	1	6	0	0	1	0
1		2		3					

1 Series	2 Bore (mm)	3 Stroke (mm)	
JX1 = Ø 6 ÷ 20 mm - Pneumatic Mini Slide Unit	006 = Ø6	0005 = 5	0030 = 30
	010 = Ø10	0010 = 10	0040 = 40
	016 = Ø16	0015 = 15	0050 = 50
	020 = Ø20	0020 = 20	0060 = 60
		0025 = 25	

Magnetic sensor DF-T series, see chapter 5 accessories.

Subject to change

Stroke tolerances Theoretical forces (N)

Cylinder Ø	Nominal tolerances	Working surface area (mm ²)		Working pressure (bar)					
	mm	Thrust	Traction	Thrust			Traction		
				3	5	7	3	5	7
6	+ 1/0	28,3	21,2	8,5	14,2	19,8	6,4	10,6	14,8
10	+ 1/0	78,5	66	23,6	39,3	55	19,8	33	46,2
16	+ 1/0	201	172	60,3	101	141	51,6	86	121
20	+ 1/0	314	264	94,2	157	220	79,2	132	185

Allowable kinetic energy

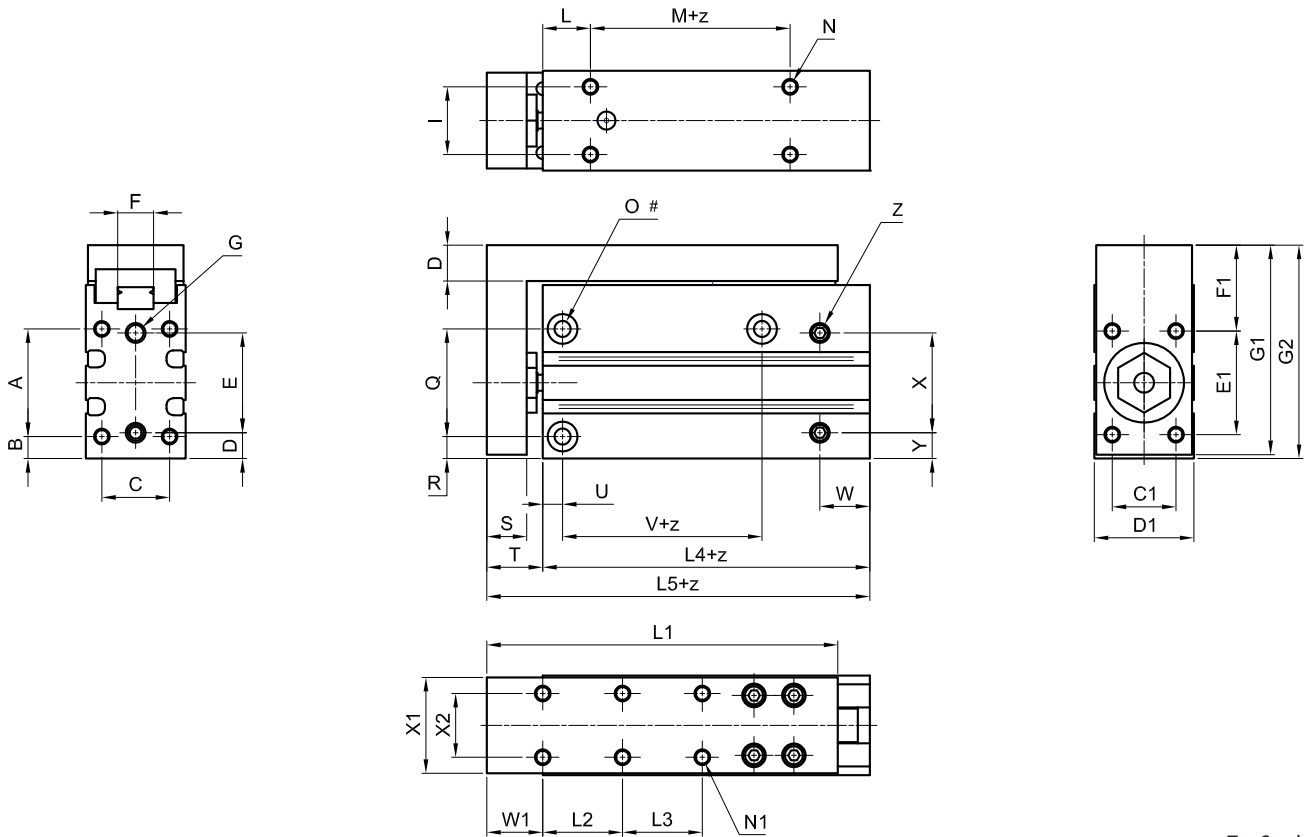
Cylinder Ø	Allowable kinetic energy (J)
6	0,0125
10	0,025
16	0,05
20	0,1

Cylinder mass

Cylinder Ø	Mass (g)									
	Strokes (mm)									
	5	10	15	20	25	30	40	50	60	
6	62	67	76	81	91	96	111	125	140	
10	117	125	140	148	162	170	192	215	238	
16	216	227	247	258	279	290	323	353	386	
20	437	455	486	505	542	560	597	656	700	

1

JX1



Z = Stroke

1
CYLINDERS

Part No.	A	B	C	C1	D	D1	E	E1	F	F1	G	G1	G2	H	H1	L	L4	L5	M	N
JX1006	19	5	10,5	9	5,5	16	18	15	5	17	M3x0,5x8	38	39	M5x0,8	M3x0,5x5	10	31	39,5	5	M3x0,5x4,8
JX1010	23	5	13	11	6,5	20	20,5	18	7	21,5	M4x0,7x7,5	46	47	M5x0,8	M4x0,7x7,5	12	35	46,5	5	M4x0,7x6
JX1016	27	5,5	17	16	6,5	25	25	26	9	21,5	M4x0,7x6	52,5	53,5	M5x0,8	M4x0,7x10	12	42	56	10	M4x0,7x6
JX1020	34	6	20	20	7	32	32	34	12	24,5	M5x0,8x8	63,5	64,5	M5x0,8	M5x0,8x11	15	52,5	68	10	M5x0,8x8

Part No.	N1	O#	P	Q	R	S	T	U	W	W1	X	X1	X2	Z
JX1006	M3x0,5x6,5	M4x0,7	6,5	19	5	5,5	8,5	4	10	8	18	15	9	M5x0,8x4
JX1010	M4x0,7x8	M5x0,8	8	23	5	7,5	11,5	5	12,5	11	20	19	11	M5x0,8x4
JX1016	M4x0,7x9	M5x0,8	9	27	5,5	10	14	5	12,5	14	25	24	16	M5x0,8x4
JX1020	M5x0,8x9,5	M6x1	9,5	34	6	11	15,5	6	15	14	32	31	20	M5x0,8x4

Ø6				
Stroke	L1	L2	L3	V
5	42	10	-	14
10	42	10	-	14
15	52	20	-	24
20	52	20	-	24
25	62	30	-	30
30	62	30	-	30
40	72	20	20	45
50	82	25	25	55
60	92	30	30	60

Ø10				
Stroke	L1	L2	L3	V
5	49	10	-	14
10	49	10	-	14
15	59	20	-	24
20	59	20	-	24
25	69	30	-	30
30	69	30	-	30
40	79	20	20	45
50	89	25	25	55
60	99	30	30	60

Ø16				
Stroke	L1	L2	L3	V
5	58	10	-	20
10	58	10	-	20
15	68	20	-	30
20	68	20	-	30
25	78	30	-	40
30	78	30	-	40
40	88	20	20	50
50	98	25	25	60
60	108	30	30	60

Ø20				
Stroke	L1	L2	L3	V
5	64	10	-	20
10	64	10	-	20
15	74	20	-	25
20	74	20	-	25
25	84	30	-	40
30	84	30	-	40
40	94	20	20	50
50	104	25	25	60
60	114	30	30	70

Ø	O#
6	3-M4 through / through hole Ø3,3 / Ø6 counterhole depth 3,3
10	3-M5 through / through hole Ø4,3 / Ø7,5 counterhole depth 4,4
16	3-M5 through / through hole Ø4,3 / Ø7,5 counterhole depth 4,4
20	3-M6 through / through hole Ø5,1 / Ø9,3 counterhole depth 8