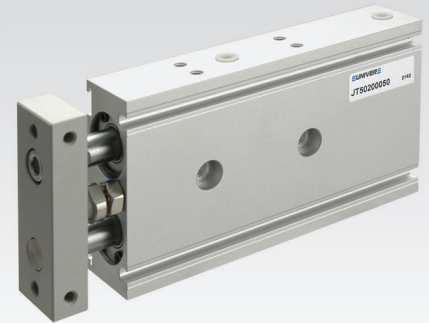


# JTE

## Ø 6 ÷ 32 mm - Twin Rod Guided Cylinder

- Compact in width and length with precision guidance
- High lateral loads can be applied on both unit models
- Non rotation
- Magnetic as standard



### TECHNICAL CHARACTERISTICS

Ambient temperature	-5 ÷ 60 °C		
Fluid	filtered air, with or without lubrication		
Working pressure	Ø6	Ø10-15	Ø20-25-32
	1,5 ÷ 7 bar	1 ÷ 7 bar	0,5 ÷ 7 bar
Bores	Ø 6 - 10 - 15 - 20 - 25 - 32 mm		
Cushionings	elastic buffers		

### CONSTRUCTIVE CHARACTERISTICS

Body	aluminium
Piston	aluminium
Piston rod	chromium-plated steel C45
	chromium-plated stainless steel AISI 303 (JTEV Ø6-10-15-20)
Guide bearing	bearings (JTES) ball bushing (JTEV)
Piston seals	nitrile rubber
Plate	aluminium
Shock absorber seals	nitrile rubber in both sides
Magnet	standard supplied

### CODIFICATION KEY

J	T	E	S	0	1	0	0	0	1	0
1		2		3			4			

1 Series	2 Type	3 Bore (mm)			4 Stroke (mm)		
JTE = Ø 6 ÷ 32 mm - Twin Rod Guided Cylinder	S = Bearings V = Ball bushing	006 = Ø6 010 = Ø10 015 = Ø15	020 = Ø20 025 = Ø25 032 = Ø32	0010 = 10 0015 = 15 0020 = 20 0025 = 25 0030 = 30	0035 = 35 0040 = 40 0045 = 45 0050 = 50 0060 = 60	0070 = 70 0075 = 75 0080 = 80 0090 = 90 0100 = 100	

Ø	Strokes (mm)														
	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

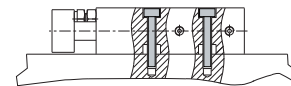
Stroke adjustment: 0 ÷ 5 mm

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

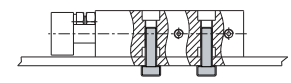
Subject to change

### Fixing schemes

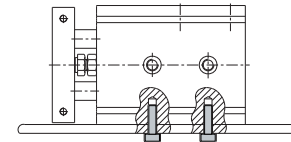
#### Top fixing



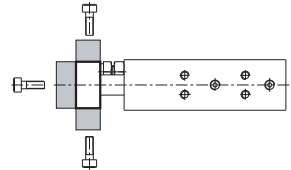
#### Bottom fixing



#### Side fixing



#### on the plate



### Theoretical forces (N)

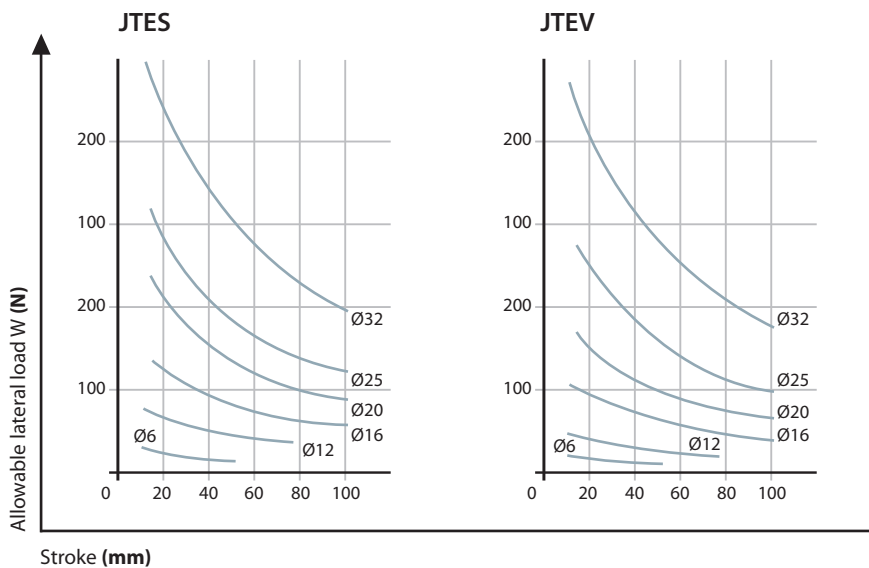
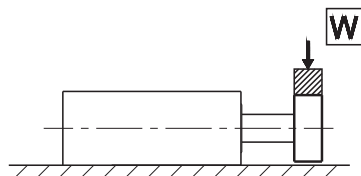
Cylinder Ø	Working surface area (mm <sup>2</sup> )		Working pressure (bar)															
	Thrust	Traction	Thrust								Traction							
			1	1,5	2	3	4	5	6	7	1	1,5	2	3	4	5	6	7
6	57	31	-	9	11	17	23	28	34	40	-	5	6	9	13	16	19	22
10	226	170	23	-	45	68	90	113	136	158	17	-	34	51	68	85	102	119
15	402	301	40	-	80	121	161	201	241	281	30	-	60	90	121	151	181	211
20	628	471	63	-	126	188	251	314	377	440	47	-	94	141	188	236	283	330
25	981	755	98	-	196	294	393	491	589	687	76	-	151	227	302	378	453	529
32	1608	1206	161	-	322	482	643	804	965	1125	121	-	241	362	482	603	723	844

### Cylinder mass

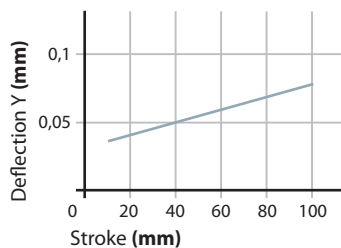
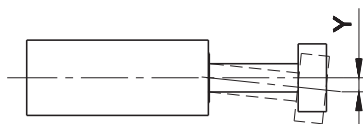
Cylinder Ø	Cylinder Stroke 0	Increase per 5 mm stroke
	g	g
6	67	7
10	150	8
15	222	13
20	376	18
25	557	27
32	1105	42

## OPERATING CONDITIONS

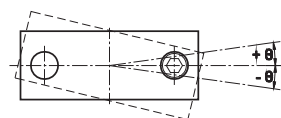
### 1 Allowable lateral load (N)



### Deflection under its own weight

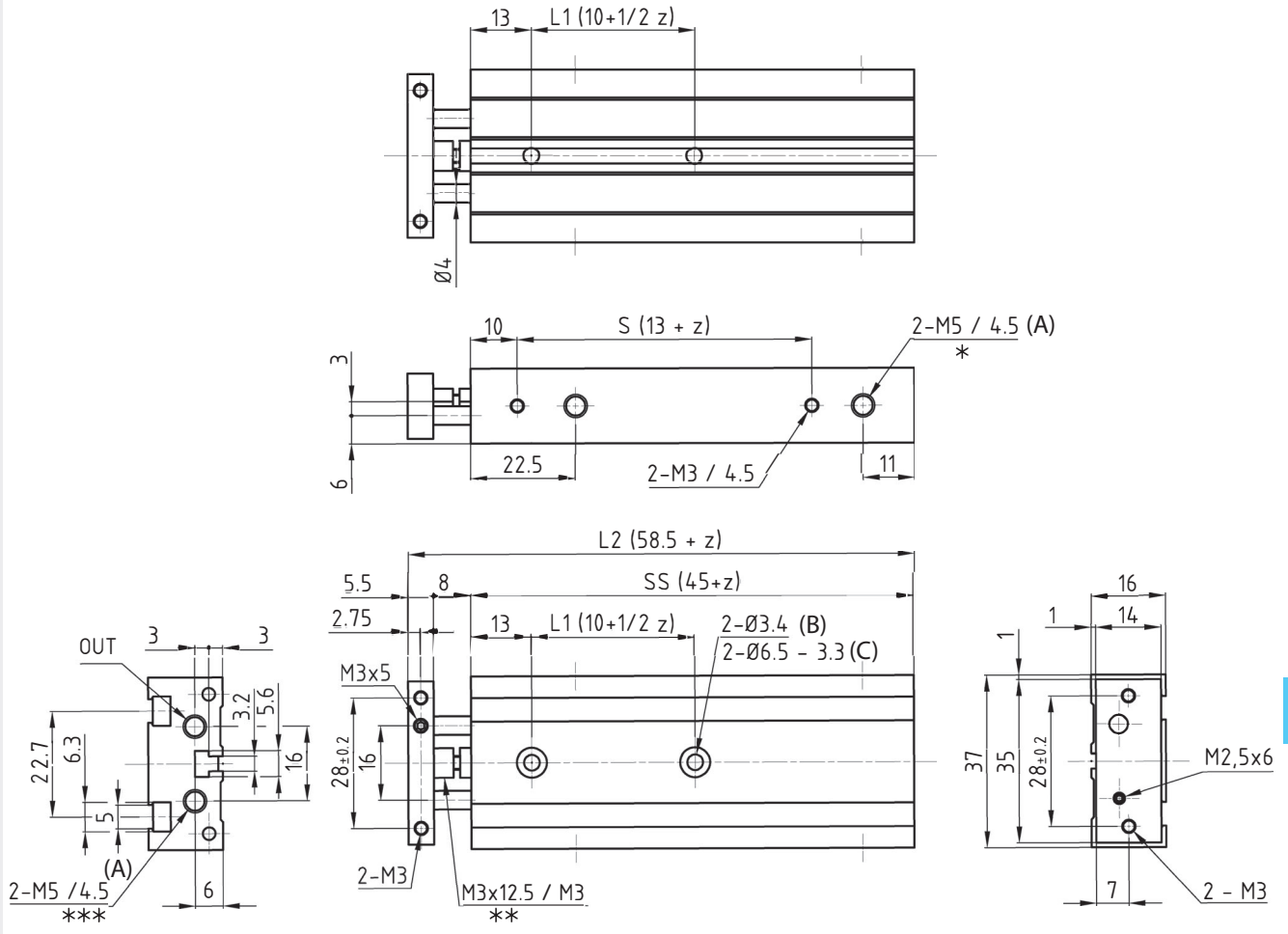


### Precision



Cylinder Ø	Precision θ	Part no.
6 - 32	± 0,1°	JTES
	± 0,15°	JTEV

Ø6



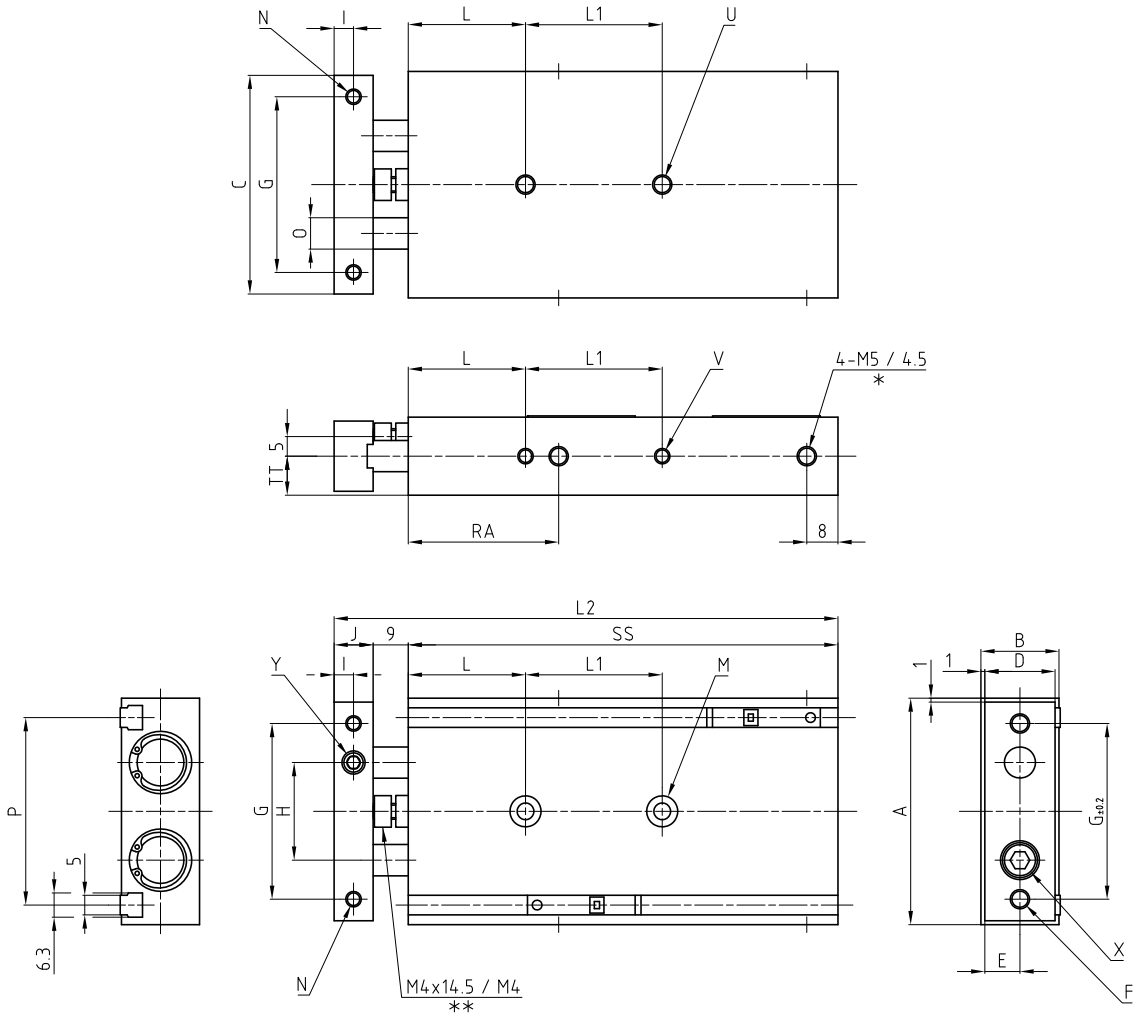
\* = Connection thread, same as opposite side  
 \*\* = Hex screw/hex nut dimension  
 \*\*\* = Connection thread "IN"

(A) = Depth 4,5  
 (B) = Through  
 (C) = Counterhole depth 3,3

Z = Stroke

Part No.	S	SS	Z	ZZ	Stroke
JTE_0060010	23	55	15	68,5	10
JTE_0060020	33	65	20	78,5	20
JTE_0060030	43	75	25	88,5	30
JTE_0060040	53	85	30	98,5	40
JTE_0060050	63	95	35	108,5	50

Ø10 - 15



\* = Connection thread, same as opposite side  
 \*\* = Hex screw/hex nut dimension

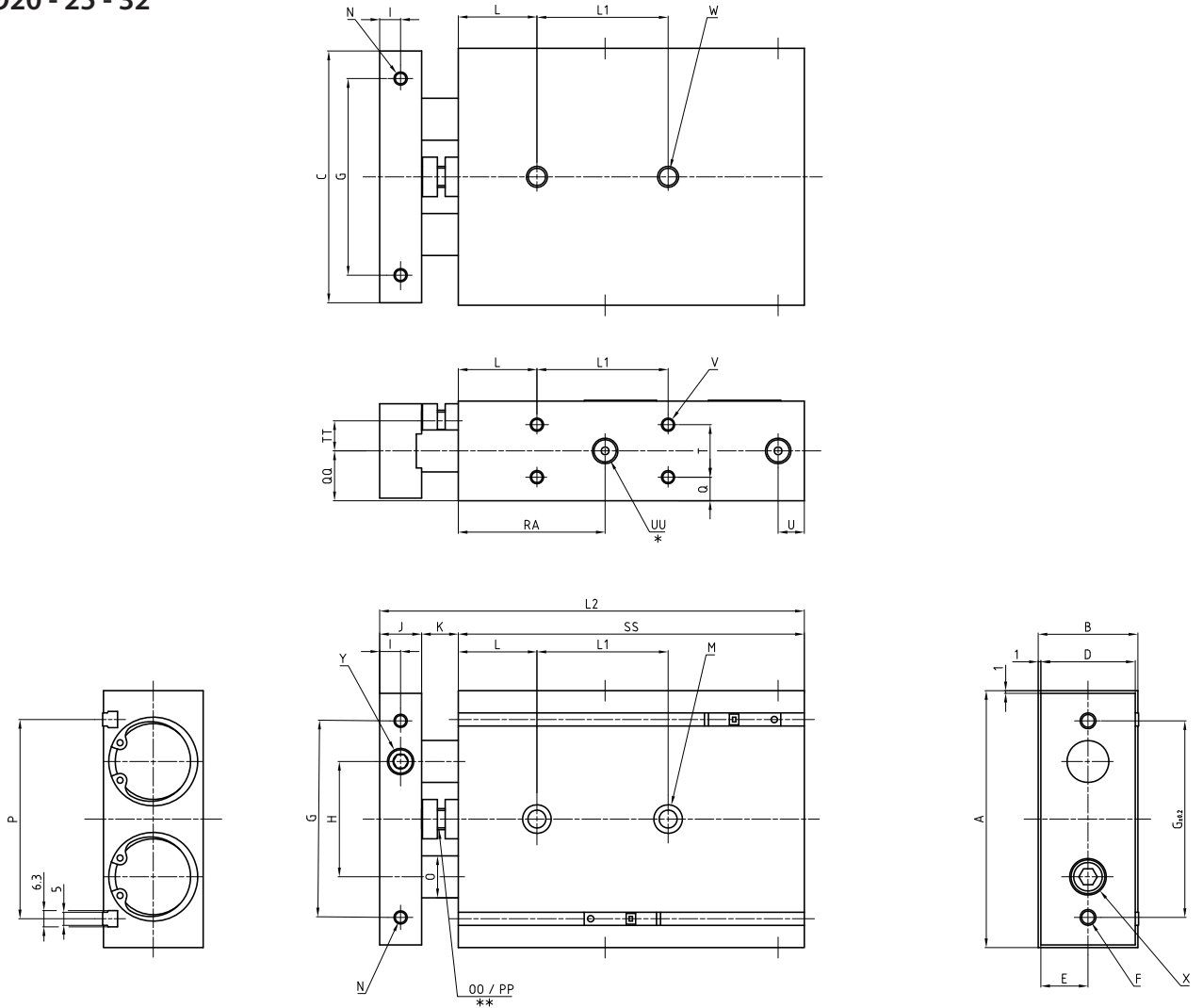
Part No.	A	B	C	D	E	F	G	H	I	J	L	M	N	O	P	RA	TT	U	V	X	Y
JTE_010	46	17	44	15	7,5	2-M4	35	20	4	8	20	2-Ø3,4 2-Ø6,5x3,3	2-M3x5	Ø6	33,6	30	7	2-M4x7	4-M3x4,5	M3x10	M5x5L
JTE_015	58	20	56	18	9	2-M5	45	25	5	10	30	2-Ø4,3 2-Ø8x4,4	2-M4x6	Ø8	48	38,5	10	2-M5x8	4-M4x5	M5x10	M6x6L

Part No.	Stroke														
	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100
JTE_010	SS														
JTE_015	65	70	75	80	85	90	95	100	105	115	125	130	-	-	-

Part No.	Stroke				
	10 - 15 - 20 - 25	30 - 35 - 40 - 45 - 50	60 - 70 - 75	80	90 - 100
	L1				
JTE_010	30	40	50	-	-
JTE_015	25	35	45	45	55

Part No.	Stroke														
	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100
JTE_010	L2														
JTE_015	82	87	92	97	102	107	112	117	122	132	142	147	-	-	-

Ø20 - 25 - 32



\* = Connection thread, same as opposite side  
 \*\* = Hex screw/hex nut dimension

Part No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	OO	P	PP	Q	QQ	RA	T
JTE_020	64	25	62	23	11,5	2-M5	50	28	6	12	12	30	2-Ø5,5 2-Ø9,5x5,3	2-M4x6	Ø10	M6x18,5L	53	M6	7,75	12,5	45	9,5
JTE_025	80	30	78	28	14	2-M6	60	35	6	12	12	30	2-Ø6,9 2-Ø11x6,3	2-M5x7,5	Ø12	M6x18,5L	64	M6	8,5	15	46	13
JTE_032	98	38	96	36	18	2-M6	75	44	8	16	14	30	2-Ø6,9 2-Ø11x6,3	2-M5x8	Ø16	M8x23L	76	M8	9	19	56	20

Part No.	TT	U	UU	V	W	X	Y
JTE_020	6,5	8	4-M5x4,5	8-M4x5,5	2-M6x10	M6x12	M8x6L
JTE_025	9	9	4-G1/8x6,5	8-M5x7,5	2-M8x12	M6x14	M8x6L
JTE_032	11,5	10	4-G1/8x6,5	8-M5x7,5	2-M8x12	M8x16	M10x8L

Part No.	Stroke														
	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100
	SS														
JTE_020	80	85	90	95	100	105	110	115	120	130	140	145	150	160	170
JTE_025	82	87	92	97	102	107	112	117	122	132	142	147	152	162	172
JTE_032	92	97	102	107	112	117	122	127	132	142	152	157	162	172	182

Part No.	Stroke					
	10 - 15 - 20 - 25	30 - 35 - 40 - 45 - 50	60 - 70 - 75 - 80 - 90 - 100			
	L1					
JTE_020	30	40	60			
JTE_025	30	40	60			
JTE_032	40	50	70			

Part No.	Stroke														
	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100
	L2														
JTE_020	104	109	114	119	124	129	134	139	144	154	164	169	174	184	194
JTE_025	106	111	116	121	126	131	136	141	146	156	166	171	176	186	196
JTE_032	122	127	132	137	142	147	152	157	162	172	182	187	192	202	212

