

Plate slider type ..... **DTS-B** .....



Guide type..... **DTS-S** .....



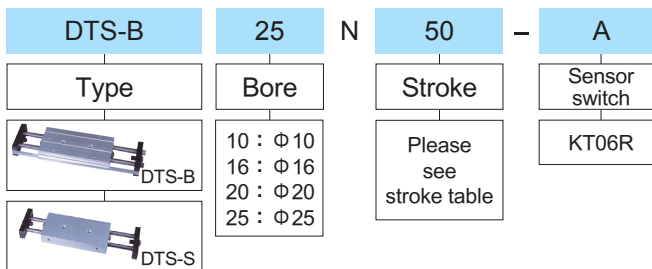
**Features**

- Can be used as plate slide type or body slide type.
- Magnetic as standard.

**Specification**

Type	DTS-B	DTS-S
Bore	Φ 10、16、20、25	
Power fluid	Filtered air with or without lubrication	
The range of pressure	1.02 ~ 9.18 kgf/cm <sup>2</sup>	
Proof pressure	15.3 kgf/cm <sup>2</sup>	
The range of temperature	-5 ~ +70 °C (Don't freeze)	
Speed range	50 ~ 200 mm/s	
Material of cylinder barrel	Aluminium extrusion, Anodised 20 microns	

**How to order**



**Stroke table**

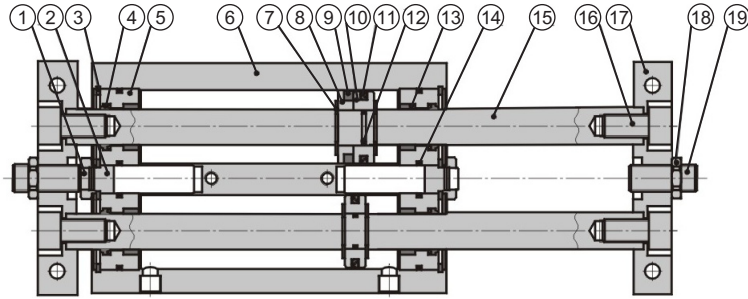
Bore	Stroke (mm)	Stroke range (mm)
Φ 10	25,50,75,100	±0.1°
Φ 16	25,50,75,100,125,150,175,200	±0.05°
Φ 20、25	25,50,75,100,125,150,175,200,250	

**Theoretic force**

Unit : N

Bore	Piston rod (mm)	Area (mm <sup>2</sup> )	Operating pressure (MPa)								
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
Φ 10	6	100	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
Φ 16	8	301	30.1	60.2	90.3	120.4	150.5	180.6	210.7	240.8	270.9
Φ 20	10	471	47.1	94.2	141.3	188.4	235.5	282.6	329.7	376.8	423.9
Φ 25	12	755	75.5	122.6	198.1	273.6	349.1	424.6	500.1	575.6	651.1

**DTS** Inside structure



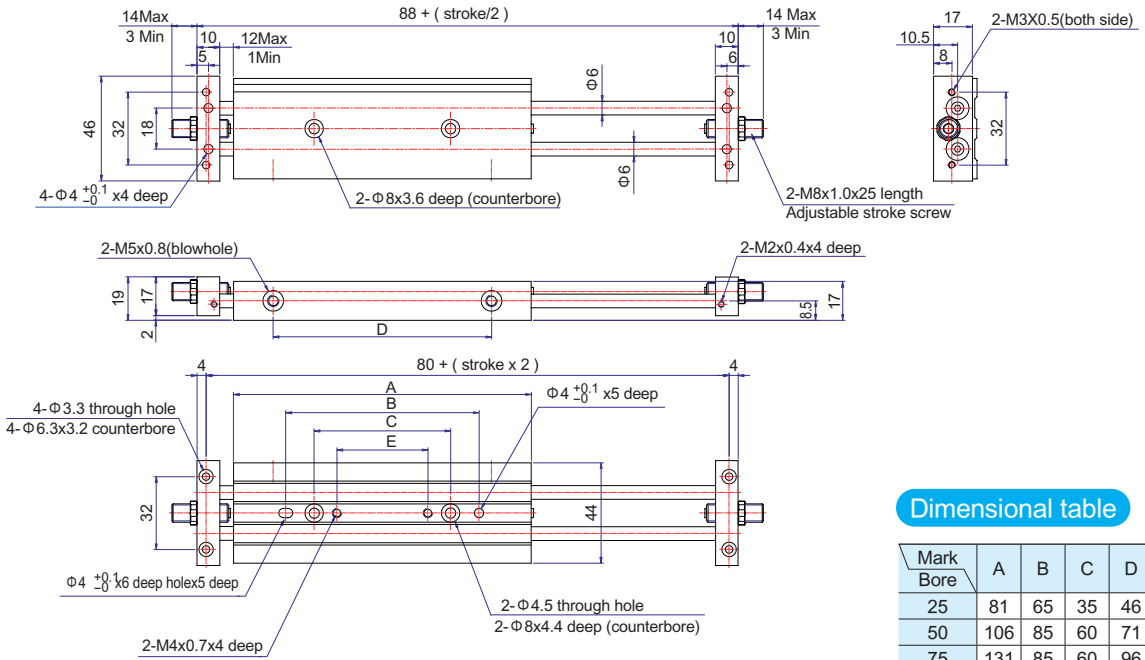
**Parts list**

No.	Part name	No.	Part name	No.	Part name
1	Bumper pad	8	Magnet holder	15	Piston rod
2	Screw	9	Magnet	16	Socket cap screw
3	C-ring	10	Piston	17	Slide fixed plate
4	Dust wiper	11	Piston gasket	18	Hex head cap nut
5	Rod cover	12	Piston rod gasket	19	Socket set screws
6	Body	13	slide bush		
7	E-ring	14	Gasket		

**Seal Specification**

Bore	Name		Quantity		Seal Specification	
	Rod cover seal kit	Piston gasket	Piston rod gasket	Cover gasket	plug gasket	
Φ 10	4	2	2	4	2	—
Φ 16	Φ 6xΦ 9	Φ 1.5xΦ 6.5	Φ 1xΦ 4	Φ 1.5xΦ 9	—	—
Φ 20	Φ 8xΦ 11	PZ1605	Φ 1xΦ 6	Φ 2xΦ 13	Φ 7xΦ 9.5x1.4	Φ 7xΦ 9.5x1.4
Φ 25	Φ 10xΦ 14	PZ2013	Φ 1xΦ 8	Φ 2xΦ 17	Φ 9.5xΦ 11.5x1.4	Φ 9.5xΦ 11.5x1.4
	Φ 12xΦ 14	PZ2518	Φ 1xΦ 10	Φ 2xΦ 22	Φ 11.5xΦ 13.5x1.4	Φ 11.5xΦ 13.5x1.4

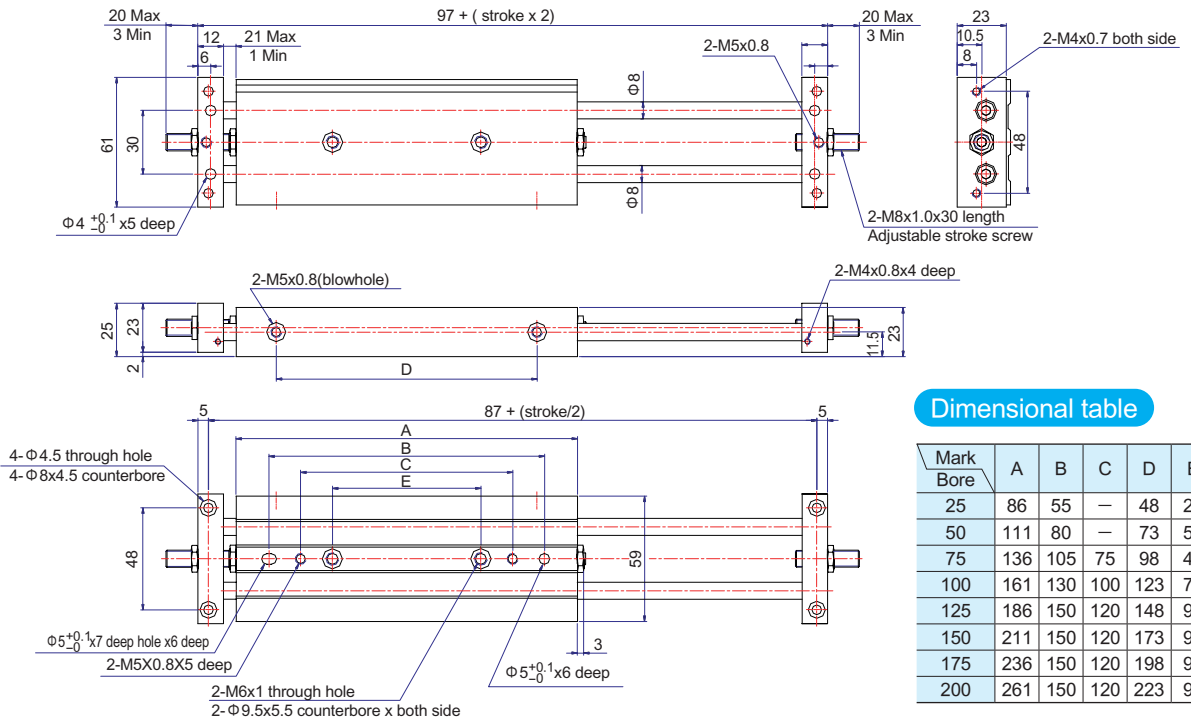
**DTS-B** Bore  $\Phi 10$  / Dimensional features



**Dimensional table**

Mark Bore	A	B	C	D	E
25	81	65	35	46	15
50	106	85	60	71	40
75	131	85	60	96	40
100	156	85	60	121	40

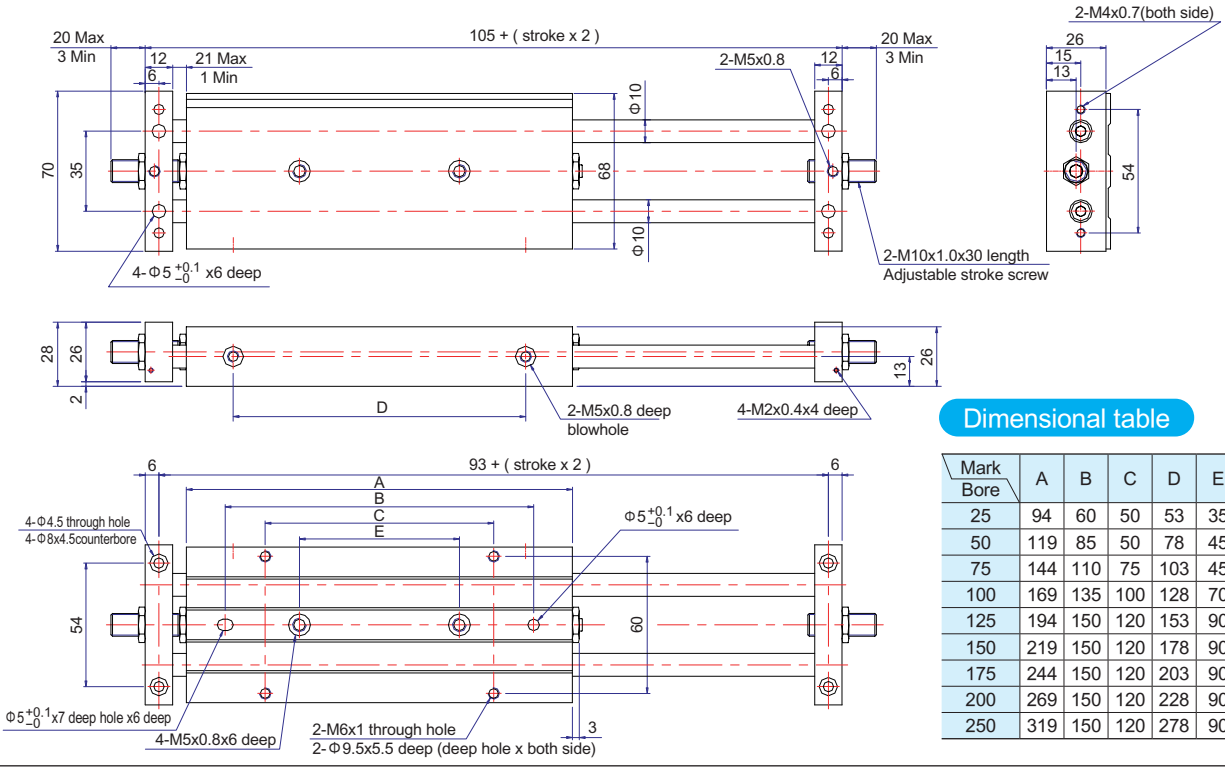
**DTS-B** Bore  $\Phi 16$  / Dimensional features



**Dimensional table**

Mark Bore	A	B	C	D	E
25	86	55	—	48	25
50	111	80	—	73	50
75	136	105	75	98	45
100	161	130	100	123	70
125	186	150	120	148	90
150	211	150	120	173	90
175	236	150	120	198	90
200	261	150	120	223	90

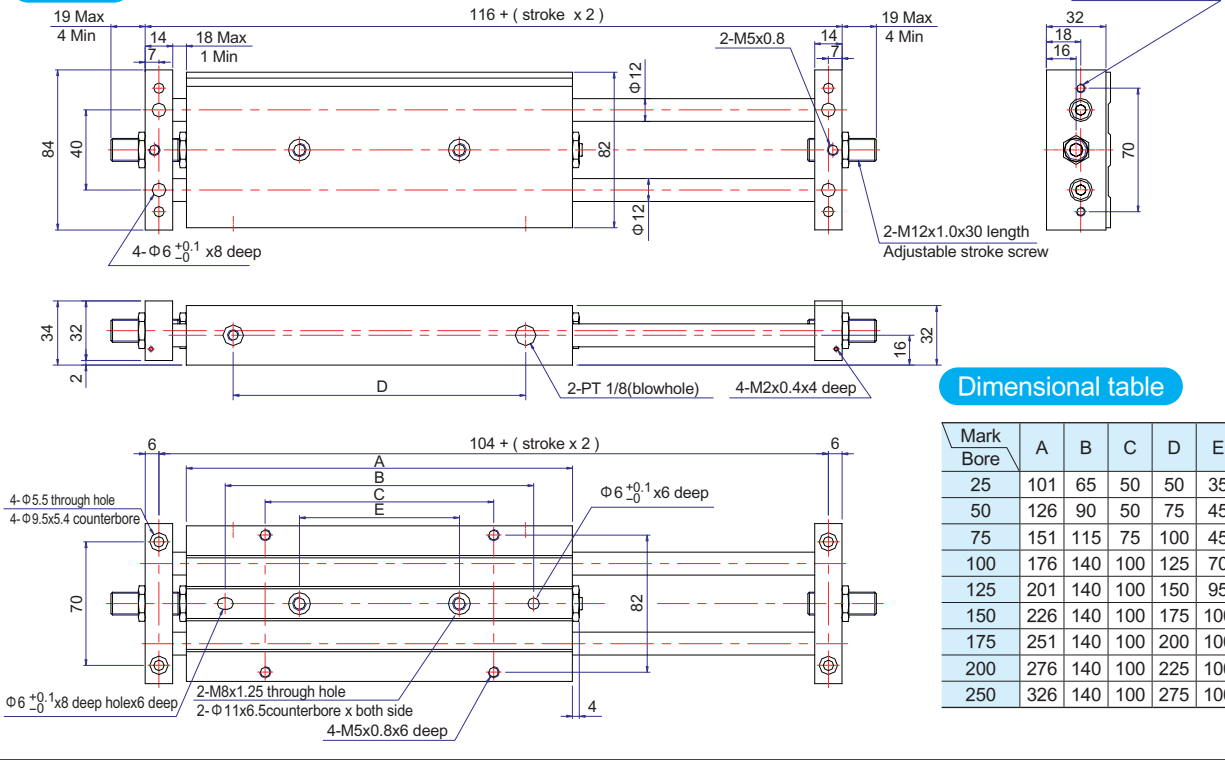
**DTS-B** Bore  $\Phi 20$  / Dimensional features



**Dimensional table**

Mark Bore	A	B	C	D	E
25	94	60	50	53	35
50	119	85	50	78	45
75	144	110	75	103	45
100	169	135	100	128	70
125	194	150	120	153	90
150	219	150	120	178	90
175	244	150	120	203	90
200	269	150	120	228	90
250	319	150	120	278	90

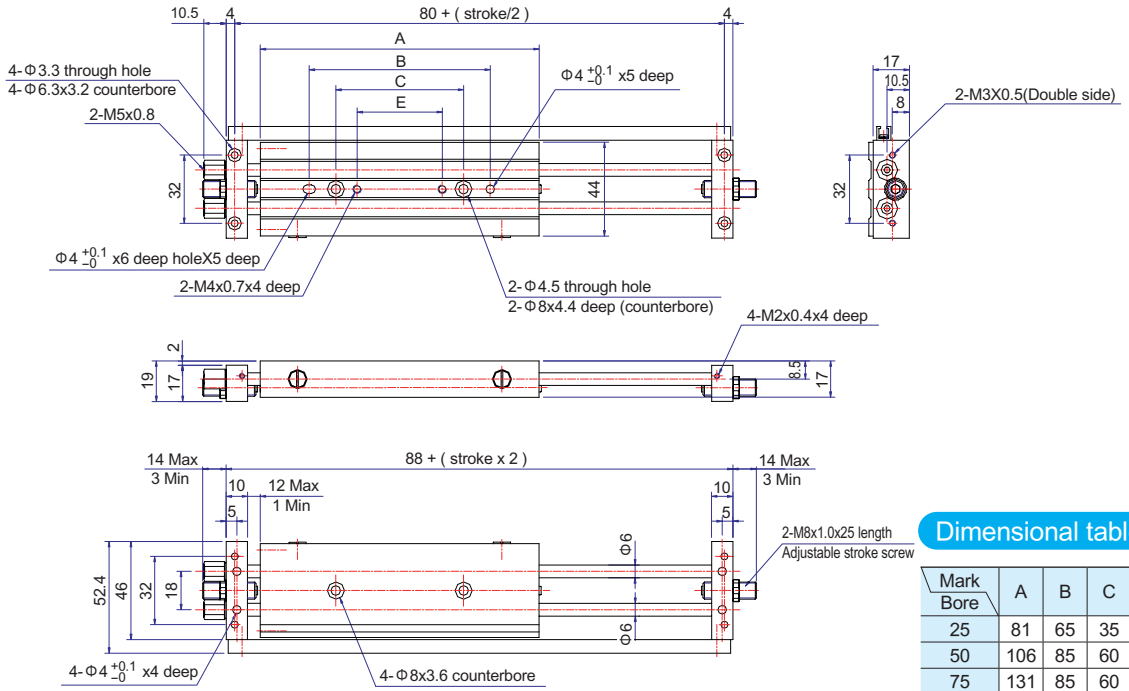
**DTS-B** Bore  $\Phi 25$  / Dimensional features



**Dimensional table**

Mark Bore	A	B	C	D	E
25	101	65	50	50	35
50	126	90	50	75	45
75	151	115	75	100	45
100	176	140	100	125	70
125	201	140	100	150	95
150	226	140	100	175	100
175	251	140	100	200	100
200	276	140	100	225	100
250	326	140	100	275	100

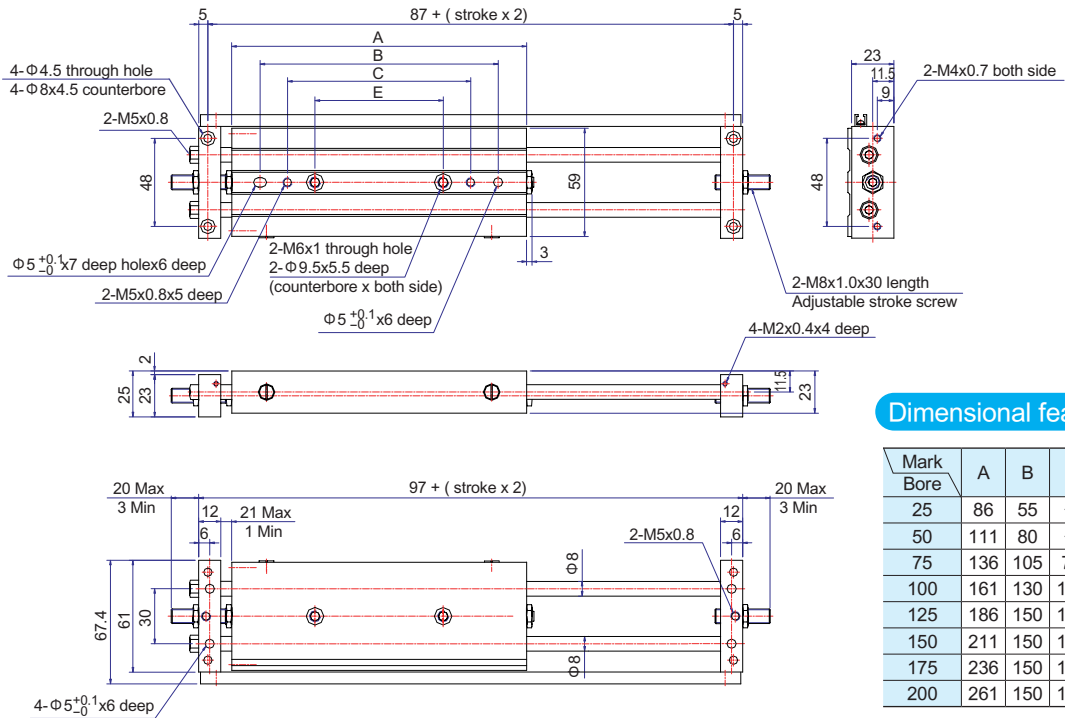
**DTS-S** Bore  $\Phi 10$  / Dimensional features



**Dimensional table**

Mark Bore	A	B	C	E
25	81	65	35	15
50	106	85	60	40
75	131	85	60	40
100	156	85	60	40

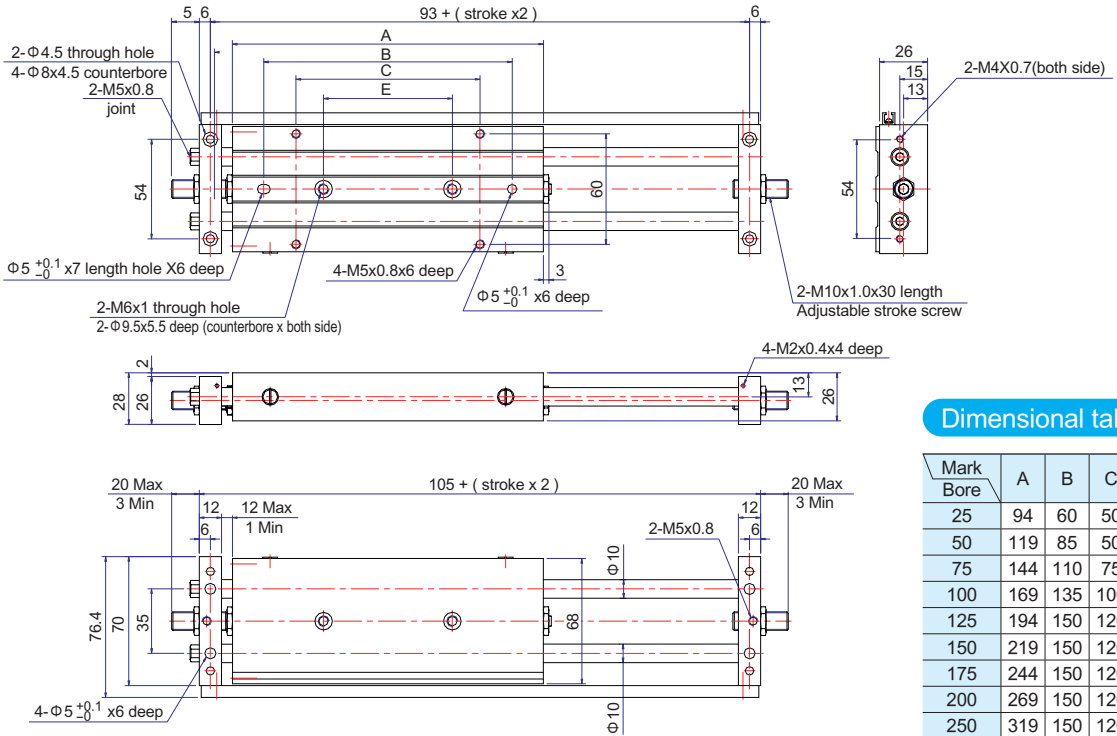
**DTS-S** Bore  $\Phi 16$  / Dimensional features



**Dimensional features**

Mark Bore	A	B	C	E
25	86	55	—	25
50	111	80	—	50
75	136	105	75	45
100	161	130	100	70
125	186	150	120	90
150	211	150	120	90
175	236	150	120	90
200	261	150	120	90

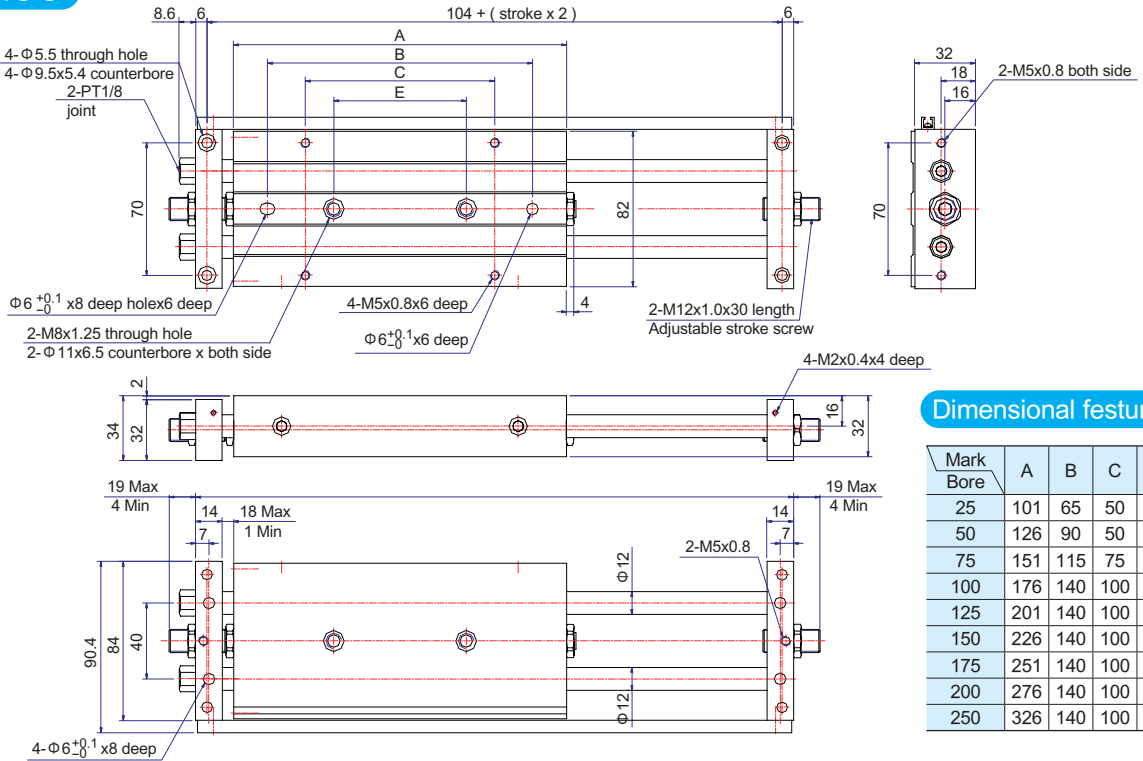
**DTS-S** Bore  $\Phi 20$  / Dimensional features



**Dimensional table**

Mark Bore	A	B	C	E
25	94	60	50	35
50	119	85	50	45
75	144	110	75	45
100	169	135	100	70
125	194	150	120	90
150	219	150	120	90
175	244	150	120	90
200	269	150	120	90
250	319	150	120	90

**DTS-S** Bore  $\Phi 25$  / Dimensional features



**Dimensional features**

Mark Bore	A	B	C	E
25	101	65	50	35
50	126	90	50	45
75	151	115	75	45
100	176	140	100	70
125	201	140	100	95
150	226	140	100	100
175	251	140	100	100
200	276	140	100	100
250	326	140	100	100