



DOUBLE ACTING - SINGLE END ROD TYPE	<b>10Z-6</b>	
DOUBLE ACTING - DOUBLE END ROD TYPE	<b>10Z-6D</b>	
SINGLE ACTING - NORMALLY RETRACTED PISTON ROD TYPE	<b>10Z-6SR</b>	
SINGLE ACTING - NORMALLY EXTENDED PISTON ROD TYPE	<b>10Z-6SH</b>	
	<b>10Z-6ASR</b>	
	<b>10Z-6ASH</b>	

### Features

- Piston with magnet is standard accessory in the series cylinders.
- End cushion is optional accessory except bore size  $\phi 12$ ,  $\phi 16$ mm.

### Specification

Type	10Z-6	10Z-6A	10Z-6D	10Z-6SR	10Z-6ASR	10Z-6SH	10Z-6ASH
Bore	$\phi 12$ 、 $16$ 、 $20$ 、 $25$ 、 $32$ 、 $40$						
Power fluid	Filtered air with or without lubrication						
The range of pressure	Double acting : $10 \text{ kgf/cm}^2$			Single acting : $2.5 \sim 10 \text{ kgf/cm}^2$			
The range of temperature	$-10 \sim +60 \text{ }^\circ\text{C}$ (Don't freeze)						
Material of cylinder barrel	Stainless steel						

### How to order

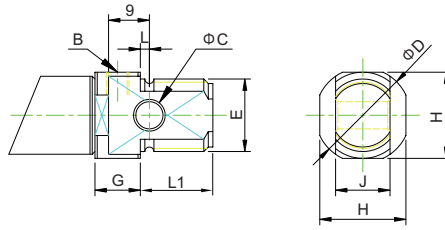
10Z-6	SD	25	N	125	-	Y	-	A	1
Type	Holder	Bore	Cushion	Stroke		Accessories		Sensor switch	Quantity
 10Z-6	 SD	12 : $\phi 12$ 16 : $\phi 16$ 20 : $\phi 20$ 25 : $\phi 25$ 32 : $\phi 32$ 40 : $\phi 40$	B : Both end with cushion N : No cushion	Please see stroke table		 Y : Y Type		DI106	1 : 1 pc 2 : 2 pcs
 10Z-6A	 FA					 I : I Type			
 10Z-6D	 FB					 S : Oscillating eye			
 10Z-6SR	 LB					 F : Compensating joint			
 10Z-6ASR	 CU								
 10Z-6SH	 TA								
 10Z-6ASH	 TB								

### Stroke table

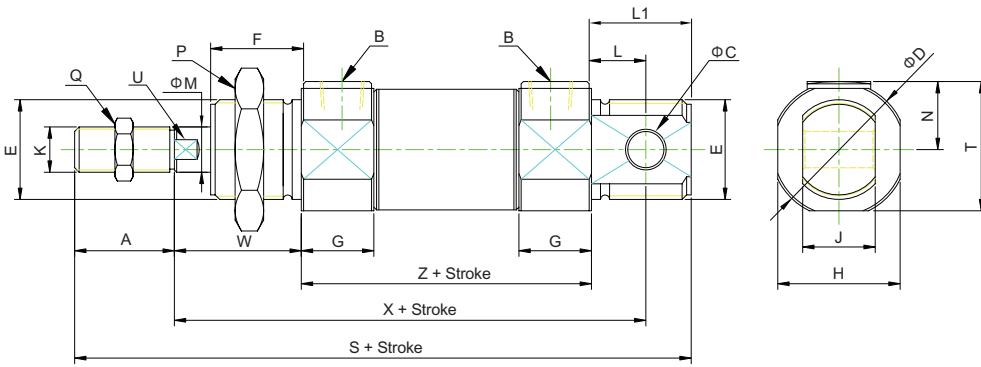
Bore	Stroke (mm)
$\phi 12$ 、 $16$ 、 $20$ 、 $25$ 、 $32$ 、 $40$	25,50,75,100,125,150,175,200,250,300

**10Z-6** Double acting - single end rod type / Dimensional features

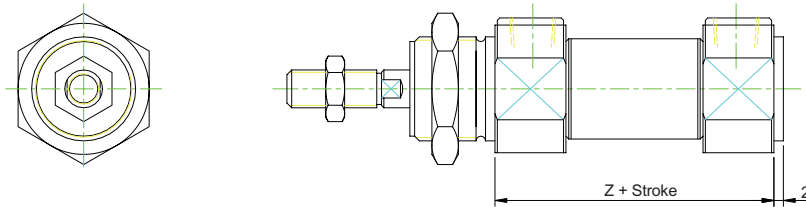
● Bore  $\Phi 12 \sim \Phi 16$



● Bore  $\Phi 20 \sim \Phi 40$



**10Z-6A** Double acting - single end rod type / Dimensional features

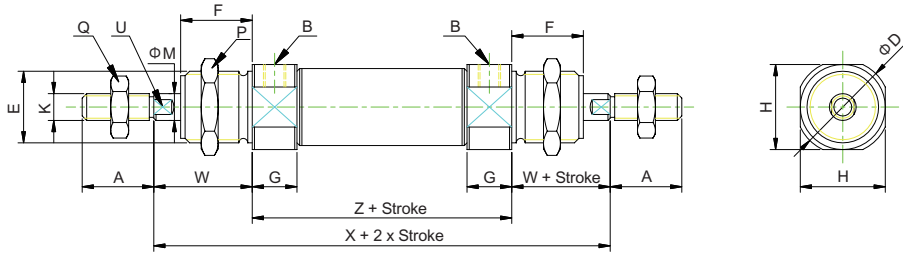


**Dimensional Table**

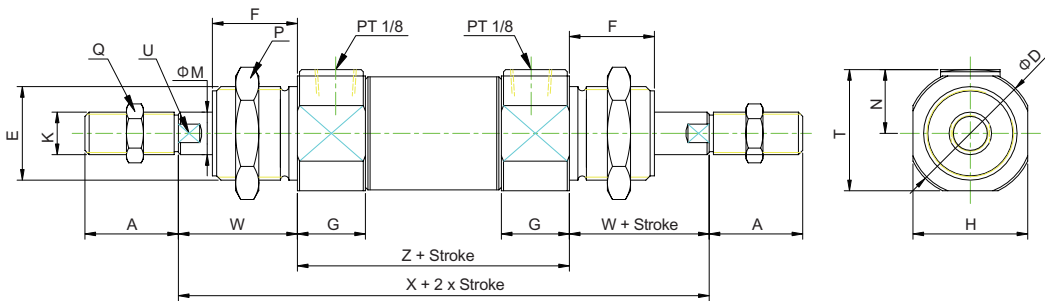
Mark Bore	A	B	C	D	E	F	G	H	J	K	L	L1	M	N	P	Q	S	T	U	W	X	Z
$\Phi 12$	16	M5x0.8	6	21	M16x1.5	16	10	19	12	M6x1.0	2	16	6	—	24	12	105	—	5	22	75	51
$\Phi 16$	16	M5x0.8	6	21	M16x1.5	16	10	19	12	M6x1.0	2	16	6	—	24	12	112	—	5	22	82	58
$\Phi 20$	20	PT 1/8	8	30	M22x1.5	18	15	27	16	M8x1.25	12	22	8	15	27	14	125	28.5	7	24	95	59
$\Phi 25$	22	PT 1/8	8	30	M22x1.5	20	16	27	16	M10x1.25	12	22	10	15	27	17	136	28.5	9	28	104	64
$\Phi 32$	23	PT 1/8	10	38	M27x2.0	20	16	35	20	M10x1.25	15	27	12	19	35	17	150	36.5	10	28	115	72
$\Phi 40$	23	PT 1/8	10	45	M33x2.0	20	16	42	20	M14x1.5	15	27	16	22.5	41	22	150	43.5	14	28	115	72

## 10Z-6D Double acting - double end rod type/ Mounting dimension

● Bore  $\Phi 12 \sim \Phi 16$



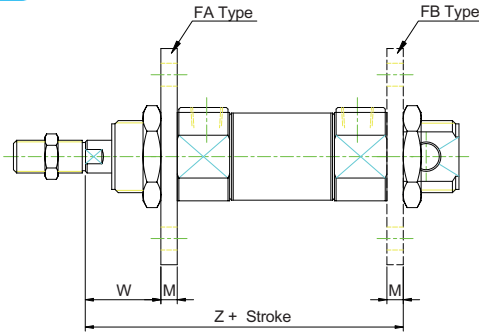
● Bore  $\Phi 20 \sim \Phi 40$



### Dimensional Table

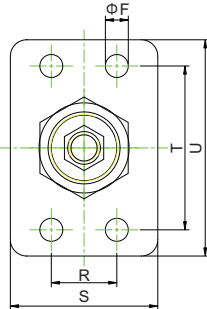
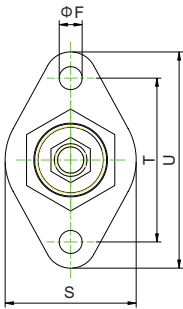
Mark Bore	A	B	D	E	F	G	H	K	M	N	P	Q	S	T	U	W	X	Z
$\Phi 12$	16	M5x0.8	21	M16x1.5	16	10	19	M6x1.0	6	—	24	12	105	—	5	22	95	51
$\Phi 16$	16	M5x0.8	21	M16x1.5	16	10	19	M6x1.0	6	—	24	12	112	—	5	22	102	58
$\Phi 20$	20	PT 1/8	30	M22x1.5	18	15	27	M8x1.25	8	15	27	14	125	28.5	7	24	107	59
$\Phi 25$	22	PT 1/8	30	M22x1.5	20	16	27	M10x1.25	10	15	27	17	136	28.5	9	28	120	64
$\Phi 32$	23	PT 1/8	38	M27x2.0	20	16	35	M10x1.25	12	19	35	17	150	36.5	10	28	128	72
$\Phi 40$	23	PT 1/8	45	M33x2.0	20	16	42	M14x1.5	16	22.5	41	22	150	43.5	14	28	128	72

**FA (FB)** Double acting / Mounting dimension

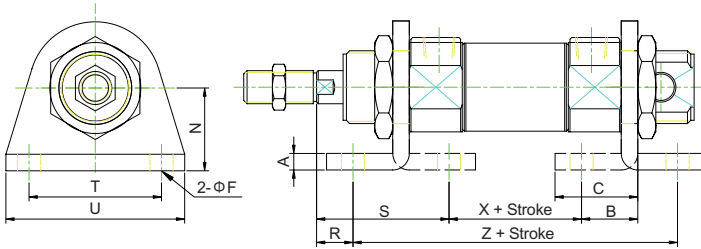


● Bore  $\Phi 12 \sim \Phi 25$

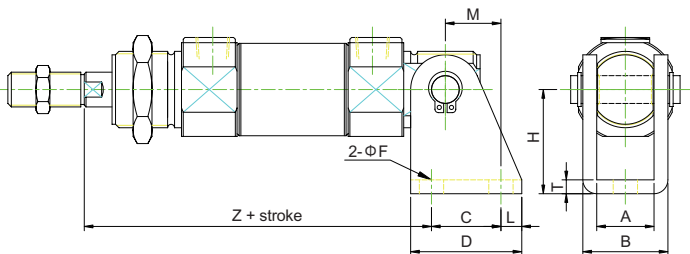
● Bore  $\Phi 32 \sim \Phi 40$



**LB** Double acting / Mounting dimensional



**CU** Double acting / Mounting Dimension



**Dimensional Table** FA (FB) Type

Mark Bore	F	M	R	S	T	U
$\Phi 12$	6	4	-	30	40	53
$\Phi 16$	6	4	-	30	40	53
$\Phi 20$	7	5	-	40	50	66
$\Phi 25$	7	5	-	40	50	66
$\Phi 32$	7	5	20	45	60	80
$\Phi 40$	9	5	30	50	80	100
Mark Bore	W	Z				
$\Phi 12$	18	77				
$\Phi 16$	18	84				
$\Phi 20$	19	88				
$\Phi 25$	23	97				
$\Phi 32$	23.5	104.5				
$\Phi 40$	23.5	104.5				

**Dimensional Table** LB Type

Mark Bore	A	B	C	F	N	R
$\Phi 12$	4	14	20	6	20	8
$\Phi 16$	4	14	20	6	20	8
$\Phi 20$	5	17	25	7	25	7
$\Phi 25$	5	17	25	7	25	11
$\Phi 32$	5	20	30	7	35	8
$\Phi 40$	5	20	30	9	40	8
Mark Bore	S	T	U	X	Z	
$\Phi 12$	32	32	42	31	79	
$\Phi 16$	32	32	42	38	86	
$\Phi 20$	36	40	54	35	93	
$\Phi 25$	40	40	54	40	98	
$\Phi 32$	43.5	40	55	42	112	
$\Phi 40$	43.5	50	75	42	112	

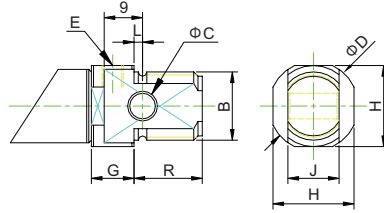
**Dimensional Table** CU Type

Mark Bore	A	B	C	D	F	H
$\Phi 12$	12	18	15	25	6	27
$\Phi 16$	12	18	15	25	6	27
$\Phi 20$	16	24	20	32	7	30
$\Phi 25$	16	24	20	32	7	30
$\Phi 32$	20	28	25	40	7	40
$\Phi 40$	20	28	25	40	9	40
Mark Bore	L	M	T	Z		
$\Phi 12$	5	13	3	73		
$\Phi 16$	5	13	3	80		
$\Phi 20$	6	16	4	91		
$\Phi 25$	6	16	4	100		
$\Phi 32$	7.5	20	4	110		
$\Phi 40$	7.5	20	4	110		

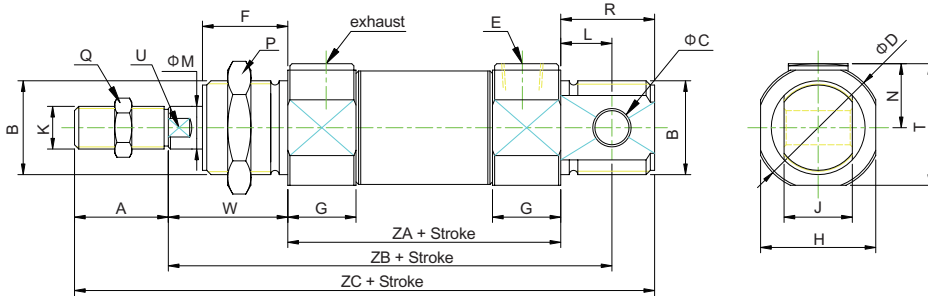
10Z-6

## 10Z-6SR Single acting - normally retracted piston rod type / Mounting dimension

● Bore  $\Phi 16$



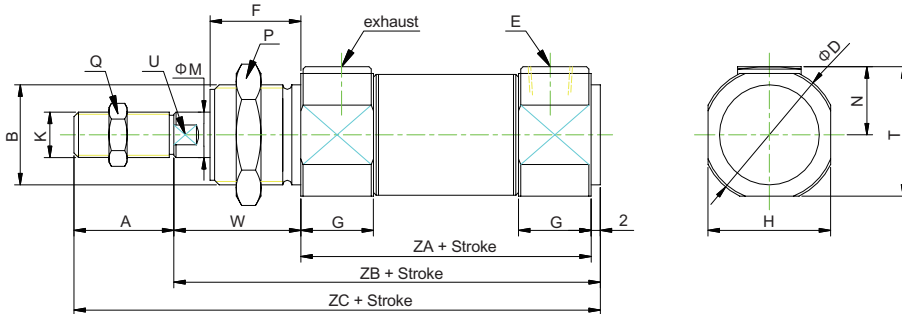
● Bore  $\Phi 20 \sim \Phi 40$



### Dimensional Table

Mark Bore	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	T	U	W	Stroke 1~50			Stroke 51~100		
																				ZA	ZB	ZC	ZA	ZB	ZC
$\Phi 16$	16	M16x1.5	6	21	M5x0.8	16	10	19	12	M6x1.0	2	6	—	24	12	16	—	5	22	58	82	112	83	107	137
$\Phi 20$	20	M22x1.5	8	30	PT 1/8	18	15	27	16	M8x1.25	12	8	15	27	14	22	28.5	7	24	59	95	125	84	120	150
$\Phi 25$	22	M22x1.5	8	30	PT 1/8	20	16	27	16	M10x1.25	12	10	15	27	17	22	28.5	9	28	64	104	136	89	129	161
$\Phi 32$	23	M27x2.0	10	38	PT 1/8	20	16	35	20	M10x1.25	15	12	19	35	17	27	36.5	10	28	72	115	150	97	140	175
$\Phi 40$	23	M33x2.0	10	45	PT 1/8	20	16	42	20	M14x1.5	15	16	22.5	41	22	27	43.5	14	28	72	115	150	97	140	175

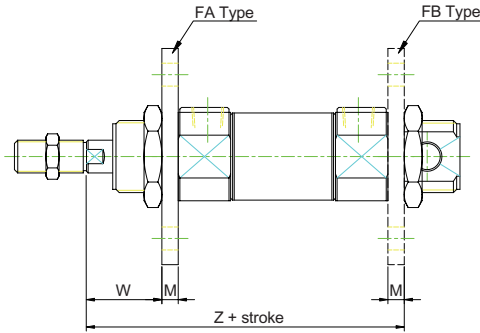
## 10Z-6ASR Single acting - normally retracted piston rod type / Mounting dimension



### Dimensional Table

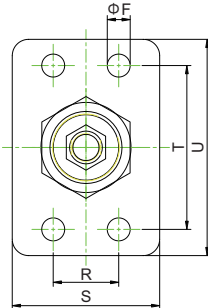
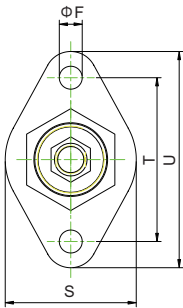
Mark Bore	A	B	D	E	F	G	H	K	M	N	P	Q	T	U	W	Stroke 1~50			Stroke 51~100		
																ZA	ZB	ZC	ZA	ZB	ZC
$\Phi 16$	16	M16x1.5	21	M5x0.8	16	10	19	M6x1.0	6	—	24	12	—	5	22	58	80	96	83	105	121
$\Phi 20$	20	M22x1.5	30	PT 1/8	18	15	27	M8x1.25	8	15	27	14	28.5	7	24	59	83	103	84	108	128
$\Phi 25$	22	M22x1.5	30	PT 1/8	20	16	27	M10x1.25	10	15	27	17	28.5	9	28	64	92	114	89	117	139
$\Phi 32$	23	M27x2.0	38	PT 1/8	20	16	35	M10x1.25	12	19	35	17	36.5	10	28	72	100	123	97	125	148
$\Phi 40$	23	M33x2.0	45	PT 1/8	20	16	42	M14x1.5	16	22.5	41	22	43.5	14	28	72	100	123	97	125	148

**FA (FB)** Single acting - normally retracted piston rod type / Mounting dimensional

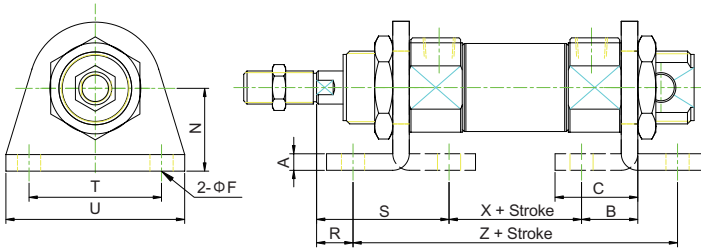


● Bore  $\Phi 16 \sim \Phi 25$

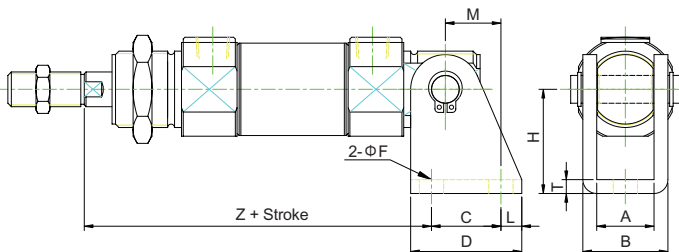
● Bore  $\Phi 32 \sim \Phi 40$



**LB** Single acting - normally retracted piston rod type / Mounting dimensional



**CU** Single acting - normally retracted piston rod type / Mounting dimensional



**Dimensional Table** FA (FB) Type

Mark Bore	F	M	R	S	T	U
$\Phi 16$	6	4	-	30	40	53
$\Phi 20$	7	5	-	40	50	66
$\Phi 25$	7	5	-	40	50	66
$\Phi 32$	7	5	20	45	60	80
$\Phi 40$	9	5	30	50	80	100
Mark Bore	W	Z				
		Stroke 1~50	Stroke 51~100			
$\Phi 12$	18	84	109			
$\Phi 20$	19	88	113			
$\Phi 25$	23	97	122			
$\Phi 32$	23.5	104.5	129.5			
$\Phi 40$	23.5	104.5	129.5			

**Dimensional Table** LB Type

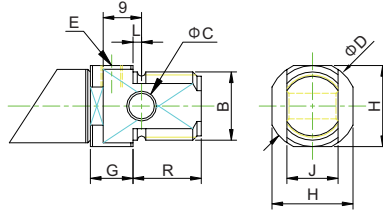
Mark Bore	A	B	C	F	N	R	
$\Phi 16$	4	14	20	6	20	8	
$\Phi 20$	5	17	25	7	25	7	
$\Phi 25$	5	17	25	7	25	11	
$\Phi 32$	5	20	30	7	35	8	
$\Phi 40$	5	20	30	9	40	8	
Mark Bore	S	T	U	X		Z	
				Stroke 1~50	Stroke 51~100		
$\Phi 16$	32	32	42	38	86	63	111
$\Phi 20$	36	40	54	35	93	60	118
$\Phi 25$	40	40	54	40	98	65	123
$\Phi 32$	43.5	40	55	42	112	66	137
$\Phi 40$	43.5	50	75	42	112	66	137

**Dimensional Table** CU Type

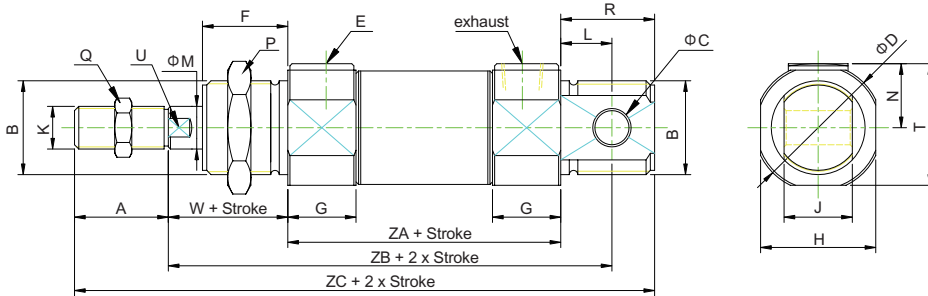
Mark Bore	A	B	C	D	F	H
$\Phi 16$	12	18	15	25	6	27
$\Phi 20$	16	24	20	32	7	30
$\Phi 25$	16	24	20	32	7	30
$\Phi 32$	20	28	25	40	7	40
$\Phi 40$	20	28	25	40	9	40
Mark Bore	L	M	T	Z		
				Stroke 1~50	Stroke 51~100	
$\Phi 16$	5	13	3	80	105	
$\Phi 20$	6	16	4	91	116	
$\Phi 25$	6	16	4	100	125	
$\Phi 32$	7.5	20	4	110	135	
$\Phi 40$	7.5	20	4	110	135	

## 10Z-6SH Single acting - normally extended piston rod type / Dimensional features

● Bore  $\Phi 16$



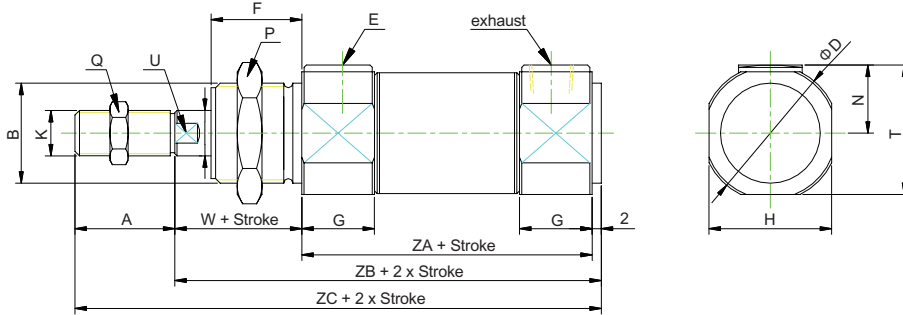
● Bore  $\Phi 20 \sim \Phi 40$



### Dimensional Table

Mark Bore	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	T	U	W	Stroke 1~50			Stroke 51~100		
																				ZA	ZB	ZC	ZA	ZB	ZC
$\Phi 16$	16	M16x1.5	6	21	M5x0.8	16	10	19	12	M6x1.0	2	6	—	24	12	16	—	5	22	58	82	112	83	107	137
$\Phi 20$	20	M22x1.5	8	30	PT 1/8	18	15	27	16	M8x1.25	12	8	15	27	14	22	28.5	7	24	59	95	125	84	120	150
$\Phi 25$	22	M22x1.5	8	30	PT 1/8	20	16	27	16	M10x1.25	12	10	15	27	17	22	28.5	9	28	64	104	136	89	129	161
$\Phi 32$	23	M27x2.0	10	38	PT 1/8	20	16	35	20	M10x1.25	15	12	19	35	17	27	36.5	10	28	72	115	150	97	140	175
$\Phi 40$	23	M33x2.0	10	45	PT 1/8	20	16	42	20	M14x1.5	15	16	22.5	41	22	27	43.5	14	28	72	115	150	97	140	175

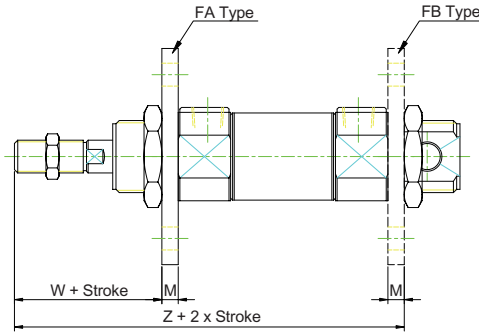
## 10Z-6ASH Single acting - normally extended piston rod type / Dimensional features



### Dimensional Table

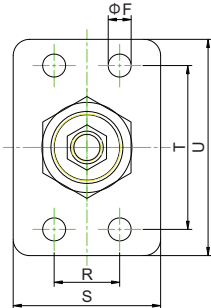
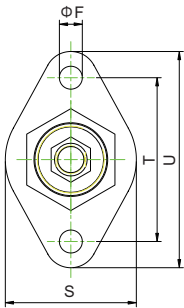
Mark Bore	A	B	D	E	F	G	H	K	M	N	P	Q	T	U	W	Stroke 1~50			Stroke 51~100		
																ZA	ZB	ZC	ZA	ZB	ZC
$\Phi 16$	16	M16x1.5	21	M5x0.8	16	10	19	M6x1.0	6	—	24	12	—	5	22	58	80	96	83	105	121
$\Phi 20$	20	M22x1.5	30	PT 1/8	18	15	27	M8x1.25	8	15	27	14	28.5	7	24	59	83	103	84	108	128
$\Phi 25$	22	M22x1.5	30	PT 1/8	20	16	27	M10x1.25	10	15	27	17	28.5	9	28	64	92	114	89	117	139
$\Phi 32$	23	M27x2.0	38	PT 1/8	20	16	35	M10x1.25	12	19	35	17	36.5	10	28	72	100	123	97	125	148
$\Phi 40$	23	M33x2.0	45	PT 1/8	20	16	42	M14x1.5	16	22.5	41	22	43.5	14	28	72	100	123	97	125	148

**FA (FB)** Single acting - normally extended piston rod type / Mounting dimension

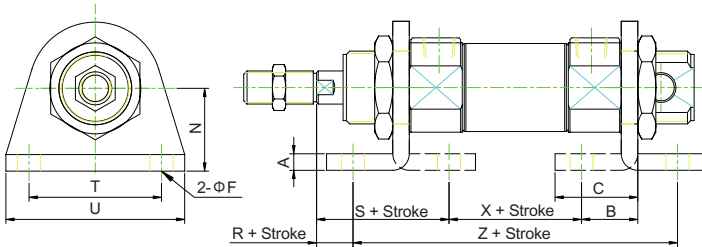


● Bore  $\Phi 16 \sim \Phi 25$

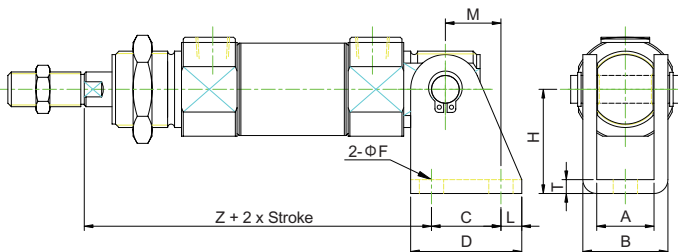
● Bore  $\Phi 32 \sim \Phi 40$



**LB** Single acting - normally extended piston rod type / Mounting dimension



**CU** Single acting - normally extended piston rod type / Mounting dimension



**Dimensional Table** FA (FB) Type

Mark Bore	F	M	R	S	T	U
$\Phi 16$	6	4	-	30	40	53
$\Phi 20$	7	5	-	40	50	66
$\Phi 25$	7	5	-	40	50	66
$\Phi 32$	7	5	20	45	60	80
$\Phi 40$	9	5	30	50	80	100
Mark Bore	W	Z				
		Stroke 1~50	Stroke 51~100			
$\Phi 16$	18	84	109			
$\Phi 20$	19	88	113			
$\Phi 25$	23	97	122			
$\Phi 32$	23.5	104.5	129.5			
$\Phi 40$	23.5	104.5	129.5			

**Dimensional Table** LB Type

Mark Bore	A	B	C	F	N	R	
$\Phi 16$	4	14	20	6	20	8	
$\Phi 20$	5	17	25	7	25	7	
$\Phi 25$	5	17	25	7	25	11	
$\Phi 32$	5	20	30	7	35	8	
$\Phi 40$	5	20	30	9	40	8	
Mark Bore	S	T	U	X		Z	
				Stroke 1~50	Stroke 51~100		
$\Phi 16$	32	32	42	38	86	63	111
$\Phi 20$	36	40	54	35	93	60	118
$\Phi 25$	40	40	54	40	98	65	123
$\Phi 32$	43.5	40	55	41	112	66	137
$\Phi 40$	43.5	50	75	41	112	66	137

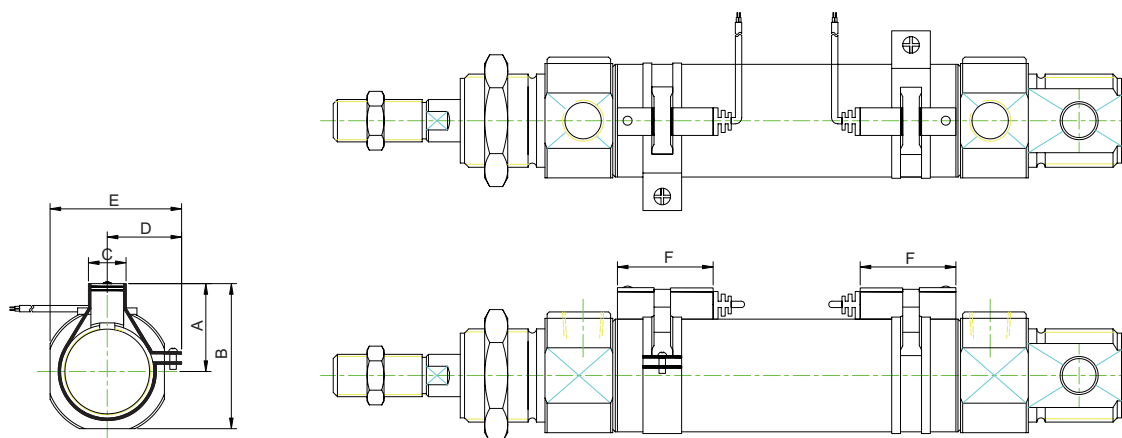
**Dimensional Table** CU Type

Mark Bore	A	B	C	D	F	H
$\Phi 16$	12	18	15	25	6	27
$\Phi 20$	16	24	20	32	7	30
$\Phi 25$	16	24	20	32	7	30
$\Phi 32$	20	28	25	40	7	40
$\Phi 40$	20	28	25	40	9	40
Mark Bore	L	M	T	Z		
				Stroke 1~50	Stroke 51~100	
$\Phi 16$	5	13	3	80	105	
$\Phi 20$	6	16	4	91	116	
$\Phi 25$	6	16	4	100	125	
$\Phi 32$	7.5	20	4	110	135	
$\Phi 40$	7.5	20	4	110	135	

10Z-6



## 10Z-6 Sensor switches / Dimensional features



### Dimensional Table

Mark Bore	Sensor switch	A	B	C	D	E	F
Φ 16	DI106	18.5	28	8	17.5	27	25
Φ 20	DI106	22.5	36	8	21.5	35	25
Φ 25	DI106	22.5	36	8	21.5	35	25
Φ 32	DI106	26.5	44	8	25.5	43	25
Φ 40	DI106	30	51	8	29	50	25

### Cylinder weight (including the mounting nut)

Unit : kg

Mark Bore	10Z-6SR		10Z-6ASR		10Z-6SH		10Z-6ASH	
	Basic weight	Stroke 25mm	Basic weight	Stroke 25mm	Basic weight	Stroke 25mm	Basic weight	Stroke 25mm
Φ 16	0.089	0.019	0.086	0.019	0.090	0.09	0.087	0.019
Φ 20	0.154	0.029	0.141	0.029	0.156	0.029	0.142	0.029
Φ 25	0.199	0.043	0.185	0.043	0.201	0.043	0.187	0.043
Φ 32	0.339	0.062	0.313	0.062	0.342	0.062	0.316	0.062
Φ 40	0.515	0.098	0.482	0.098	0.520	0.098	0.487	0.098

### Mounting weight

Unit : kg

Mark Bore	FA / FB	LB	CU	TA	TB	Y	I	S	F	Nut (Rod)	Nut (Cover)	Sensor switch
Φ 16	0.026	0.079	0.031	0.079	0.079	0.018	0.09	0.030	0.024	0.002	0.017	0.045
Φ 20	0.049	0.173	0.064	0.173	0.173	0.046	0.044	0.053	0.061	0.005	0.011	0.045
Φ 25	0.049	0.173	0.064	0.173	0.173	0.088	0.080	0.080	0.113	0.008	0.011	0.045
Φ 32	0.099	0.218	0.089	0.218	0.218	0.088	0.080	0.080	0.113	0.008	0.030	0.045
Φ 40	0.132	0.315	0.090	0.315	0.315	0.151	0.157	0.175	0.245	0.016	0.038	0.045



Professional  
and  
High quality