

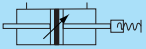


STANDARD TYPE .....	<b>AZH</b> .....	
DOUBLE ACTING - DOUBLE END ROD TYPE.....	<b>AZHD</b> .....	
ADJUSTABLE FOWARD STROKE CYLINDER.....	<b>AZHN</b> .....	



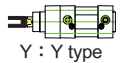

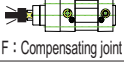

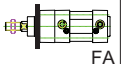

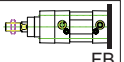
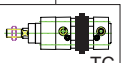

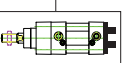
### Features

- The cylinders usually are combined with AZO air-hydro converter to provide a smooth motion by using hydraulic fluid instead of air due to the un-stable compressed feature.
- The series cylinders according to ISO 6431 °

### Specification

Type	AZH	AZHD	AZHN
Bore		Φ32、40、50、63、80、100	
Power fluid		Filtered air or hydraulic oil	
The range of pressure		1.02 ~ 10.5 kgf/cm <sup>2</sup>	
The range of temperature		-10 ~ +60 °C (Don't freeze)	
Piston speed		3 ~ 300 mm/s	
Material of cylinder barrel		Aluminium alloy	

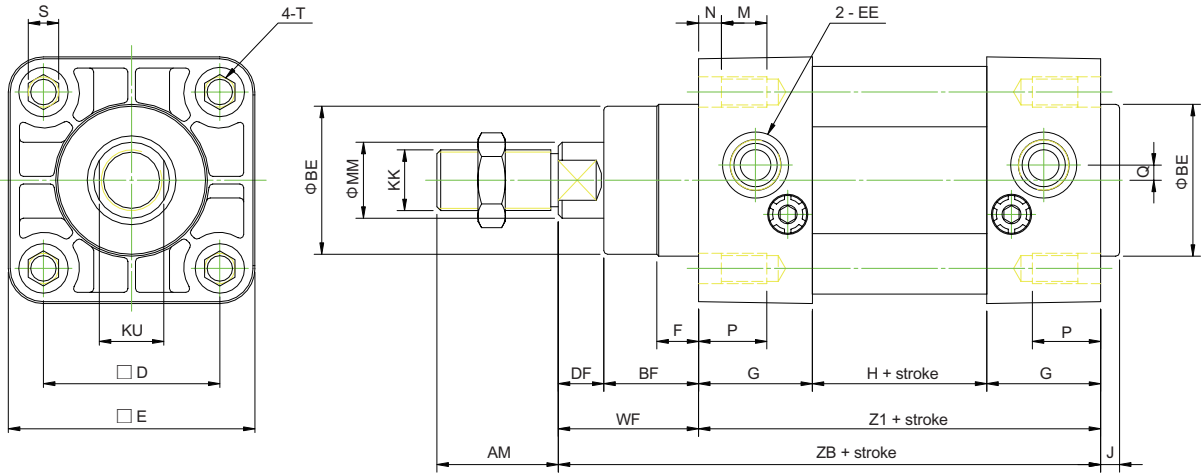
### How to order

AZH	SD	25	M	125	B	3	Y	A	1
Type	Holder	Bore	Magnet	Stroke	Adjustable stroke	Oil in	Accessories	Sensor switch	Quantity
 AZH	 SD	32 : Φ32 40 : Φ40 50 : Φ50 63 : Φ63 80 : Φ80 100 : Φ100	M : with magnet N : No magnet	Please see stroke table	No code : Standard type A : Adjustable 25mm B : Adjustable 50mm ※Suited for AZHN °	1.Oil in rod side 2.Oil in head side 3.Oil in both side	 Y : Y type   S : Oscillating eye   F : Compensating joint	AZRK	1 : 1pc 2 : 2pcs
 AZHD	 FA								
 AZHN	 FB								
	 TC								
	 CA								
	 LB								

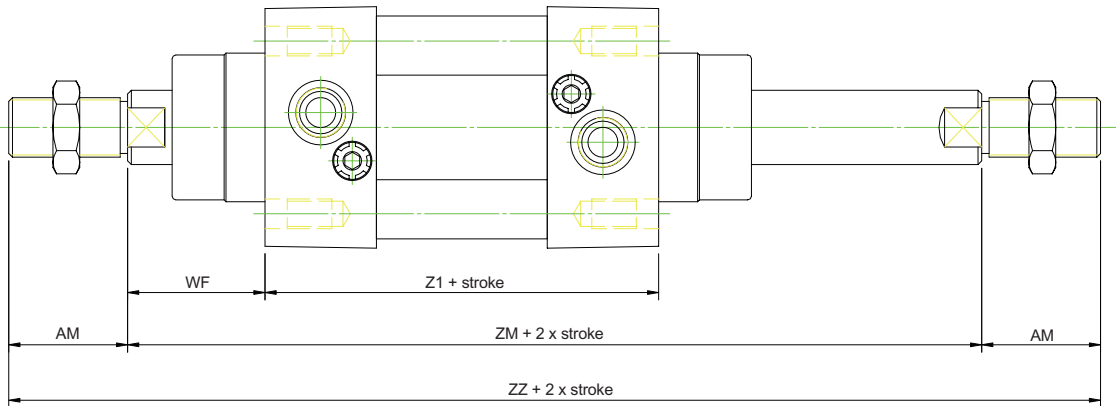
### Stroke table

Bore	Stroke (mm)
Φ32、40、50、63、80、100	25,50,75,100,125,150,175,200,250,300,400,450,500

**AZH** Standard type / Dimensional features



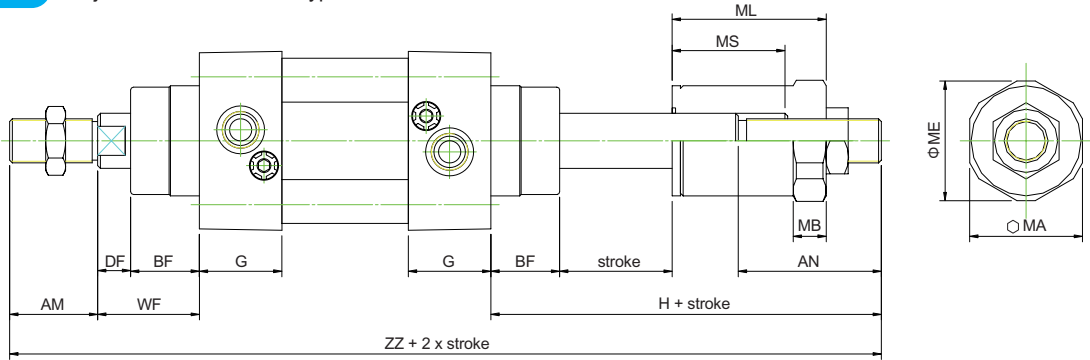
**AZHD** Double end rod type / Dimensional features



**Dimensional table**

Mark Bore	AM	BE	BF	D	DF	E	EE	F	G	H	J	KK	KU	M	MM	N	P	Q	S	T	WF	Z1	ZB	ZM	ZZ
$\Phi 32$	22	30	16	32.5	10	47	G1/8	7	26	42	4	M10x1.25	10	9	12	6	13	4.5	6	M6	26	94	120	146	190
$\Phi 40$	24	35	20	38	10	53	G1/4	9	30	45	5	M12x1.25	14	9	16	6	15	5	6	M6	30	105	135	165	213
$\Phi 50$	32	40	25	46.5	12	65	G1/4	11	30	46	5	M16x1.5	17	12	20	6	15	6	8	M8	37	106	143	180	244
$\Phi 63$	32	45	25	56.5	12	75	G3/8	13	32	57	5	M16x1.5	17	12	20	6	16	8	8	M8	37	121	158	195	259
$\Phi 80$	40	45	32	72	14	95	G3/8	15	38	52	6	M20x1.5	22	16	25	6	19	9	10	M10	46	128	174	220	300
$\Phi 100$	40	55	35	89	16	115	G1/2	15	40	58	6	M20x1.5	22	16	25	6	20	7	10	M10	51	138	189	240	320

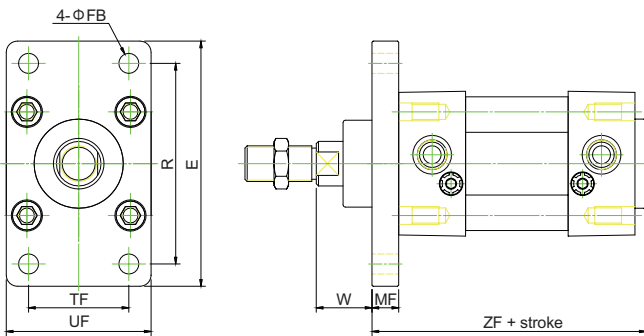
### AZHN Adjustable forward stroke type / Dimensional features



### Dimensional features

Mark Bore	AM	AN		BF	G	H		MA	MB	ME	ML		MS		WF	ZZ	
		A	B			A	B				A	B	A	B			
Φ32	22	47	72	16	26	73	98	27	10	29	47	72	35	60	26	215	240
Φ40	24	48	73	20	30	78	103	32	10	35	47	72	37	62	30	237	262
Φ50	32	52	77	25	30	92	117	41	12	44	56	81	41	66	37	267	292
Φ63	32	52	77	25	32	92	117	41	12	44	56	81	41	66	37	282	307
Φ80	40	58	83	32	38	107	132	50.8	15	55	63	88	43	68	46	321	346
Φ100	40	58	83	35	40	107	132	50.8	15	55	63	88	43	68	51	336	361

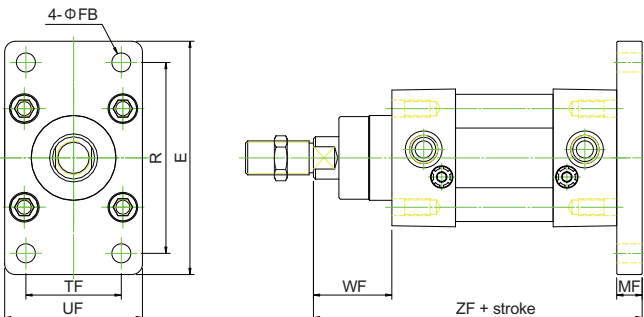
### FA Accessories



### Dimensional table

Mark Bore	E	FB	MF	R	TF	UF	W	ZF
Φ32	79	7	10	64	32	50	16	108
Φ40	90	9	10	72	36	55	20	120
Φ50	110	9	12	90	45	65	25	123
Φ63	120	9	12	100	50	75	25	138
Φ80	153	12	16	126	63	95	30	150
Φ100	178	14	16	150	75	115	35	160

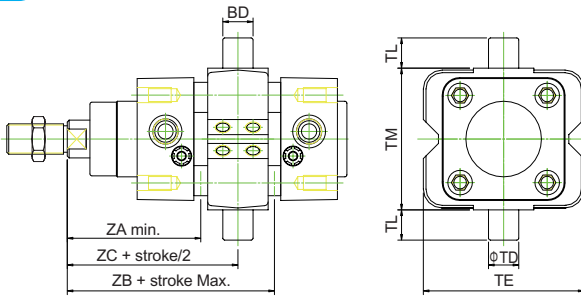
### FB Accessories



### Dimensional table

Mark Bore	E	FB	MF	R	TF	UF	WF	ZF
Φ32	79	7	10	64	32	50	26	130
Φ40	90	9	10	72	36	55	30	145
Φ50	110	9	12	90	45	65	37	155
Φ63	120	9	12	100	50	75	37	170
Φ80	153	12	16	126	63	95	46	190
Φ100	178	14	16	150	75	115	51	205

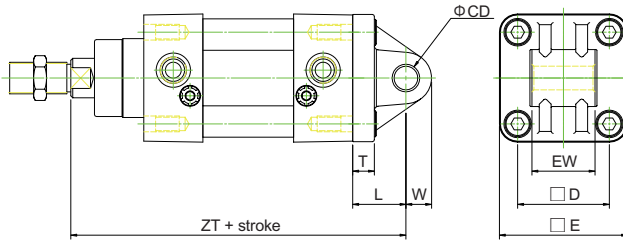
**TC** Accessories



**Dimensional table**

Mark Bore	BD	TD	TE	TL	TM	ZA	ZB	ZC
Φ32	22	12	58	12	50	73	73	73
Φ40	28	16	70	16	63	77	88	82.5
Φ50	32	16	85	16	75	86	94	90
Φ63	35	20	100	20	90	89.5	105.5	97.5
Φ80	40	20	120	20	110	107	113	110
Φ100	45	25	145	25	132	116.5	123.5	120

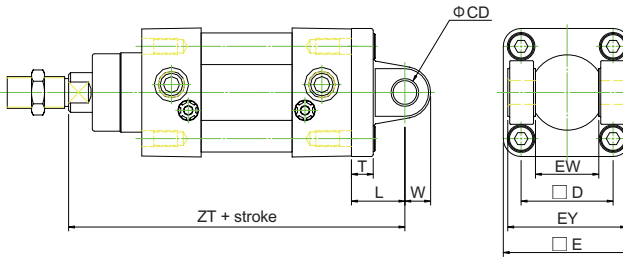
**CA** Accessories



**Dimensional table**

Mark Bore	CD	D	E	EW	L	T	W	ZT
Φ32	10	32.5	47	26	22	10	10.5	142
Φ40	12	38	53	28	25	10	13	160
Φ50	12	46.5	65	32	27	12	13	170
Φ63	16	56.5	75	40	32	12	17	190
Φ80	16	72	95	50	36	16	17	210
Φ100	20	89	115	60	41	16	21	230

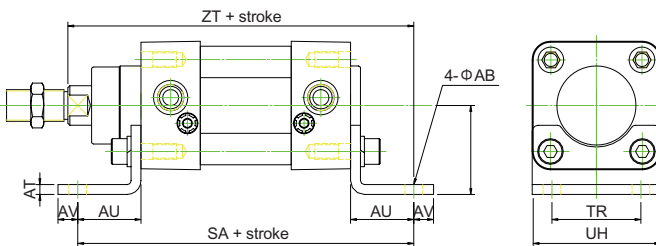
**CA** Accessories



**Dimensional table**

Mark Bore	CD	D	E	EW	L	T	W	ZT
Φ32	10	32.5	47	26	22	10	10.5	142
Φ40	12	38	53	28	25	10	13	160
Φ50	12	46.5	65	32	27	12	13	170
Φ63	16	56.5	75	40	32	12	17	190
Φ80	16	72	95	50	36	16	17	210
Φ100	20	89	115	60	41	16	21	230

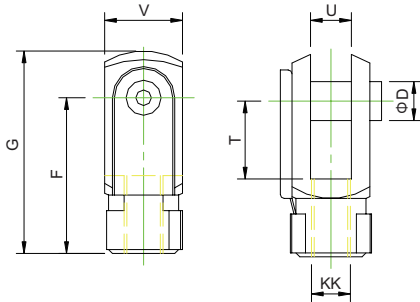
**LB** Accessories



**Dimensional table**

Mark Bore	AB	AH	AT	AU	AV	SA	TR	UH	ZT
Φ32	7	32	5	24	8	142	32	47	144
Φ40	9	36	5	28	10	161	36	53	163
Φ50	9	45	5	32	10	170	45	65	175
Φ63	9	50	5	32	10	185	50	75	190
Φ80	12	63	6	41	13	210	63	95	215
Φ100	14	71	6	41	15	220	75	115	230

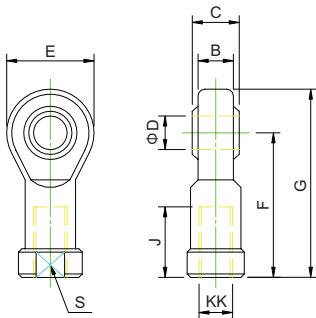
**Y** Rod clevis / Accessories



**Dimensional table**

Mark Bore	D	F	G	KK	T	U	V
Φ32	10	40	52	M10x1.25	20	10	20
Φ40	12	48	62	M12x1.25	24	12	24
Φ50、63	16	64	83	M16x1.5	32	16	32
Φ80、100	20	80	105	M20x1.5	40	20	40

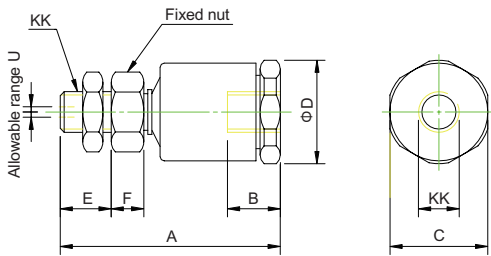
**S** Oscillating eye / Accessories



**Dimensional table**

Mark Bore	B	C	D	E	F	G	J	KK	S
Φ32	10.5	14	10	28	43	57	20	M10x1.25	17
Φ40	12	16	12	30	50	65	24	M12x1.25	19
Φ50、63	15	21	16	38	64	83	33	M16x1.5	22
Φ80、100	18	25	20	46	77	100	40	M20x1.5	30

**FT** Compensating joint / Accessories



**Dimensional table**

Mark Bore	A	B	C	D	E	F	KK	U
Φ32	54	13	24	25.5	12.5	8	M10x1.25	1
Φ40	71	17	29	31	16	10	M12x1.25	1.15
Φ50、63	88	21	27	38	24	13	M16x1.5	1.65
Φ80、100	105	25	32	50	27.5	16	M20x1.5	2.15

**Cylinder weight**

Unit : kg

Mark Bore	AZH		AZHD		AZHN			
	Basic weight	Stroke 25mm	Basic weight	Stroke 25mm	Adjustable stroke 25mm		Adjustable stroke 50mm	
					Basic weight	Stroke 25mm	Basic weight	Stroke 25mm
Φ 32	0.56	0.056	0.62	0.078	0.78	0.078	0.86	0.078
Φ 40	0.85	0.080	0.98	0.120	1.09	0.120	1.22	0.120
Φ 50	1.22	0.117	1.46	0.179	1.82	0.179	2.07	0.179
Φ 63	1.72	0.128	1.96	0.189	2.26	0.189	2.51	0.189
Φ 80	3.25	0.188	3.69	0.285	4.45	0.285	4.79	0.285
Φ 100	4.28	0.220	4.87	0.317	5.63	0.317	5.97	0.317

**Mounting weight**

Unit : kg

Mark Bore	FA / FB	CA	CB	LB	TC	Y	S	Nut (Rod)	Nut (Cover)
Φ 32	0.224	0.225	0.197	0.170	0.171	0.088	0.080	0.008	0.065
Φ 40	0.266	0.306	0.221	0.219	0.409	0.147	0.112	0.010	0.065
Φ 50	0.480	0.473	0.420	0.344	0.604	0.335	0.202	0.017	0.066
Φ 63	0.602	0.743	0.600	0.405	1.023	0.335	0.202	0.017	0.066
Φ 80	1.424	1.366	1.134	0.839	—	0.677	0.368	0.020	0.086
Φ 100	1.974	2.156	1.795	1.045	—	0.677	0.698	0.020	0.086