



LIGHT DUTY TYPE ..... **10ZGK** .....

LIGHT DUTY FLANGE TYPE ..... **AZGX** .....

HEAVY DUTY (BUSH) TYPE ..... **AZGB** .....

HEAVY DUTY (LINEAR BEARING ) TYPE..... **AZGU** .....

### Features

- The guiding units can be assembled to cylinders in conformity ISO 6431 / 6432 standard
- Antirotation is guaranteed by two steel guide stems, which moment is support by four oilless bush in 10ZGK, AZGX series by four linear bearing in AZGU series and four brass bush in AZGB series.
- Easy to install, also reducing machine design work and cost.

### Specification

Type	10ZGK	AZGX	AZGB	AZGU
Bore	Φ20、25	Φ32、40、50、63	Φ20、25、32、40、50、63	
Power fluid	Filtered air with or without lubrication			
The range of pressure	2.04 ~ 7.14 kgf/cm <sup>2</sup>			
The range of temperature	-10 ~ +60 °C (Don't freeze)			
Material of cylinder barrel	Aluminium extrusion, Anodised 20 microns			

### How to order

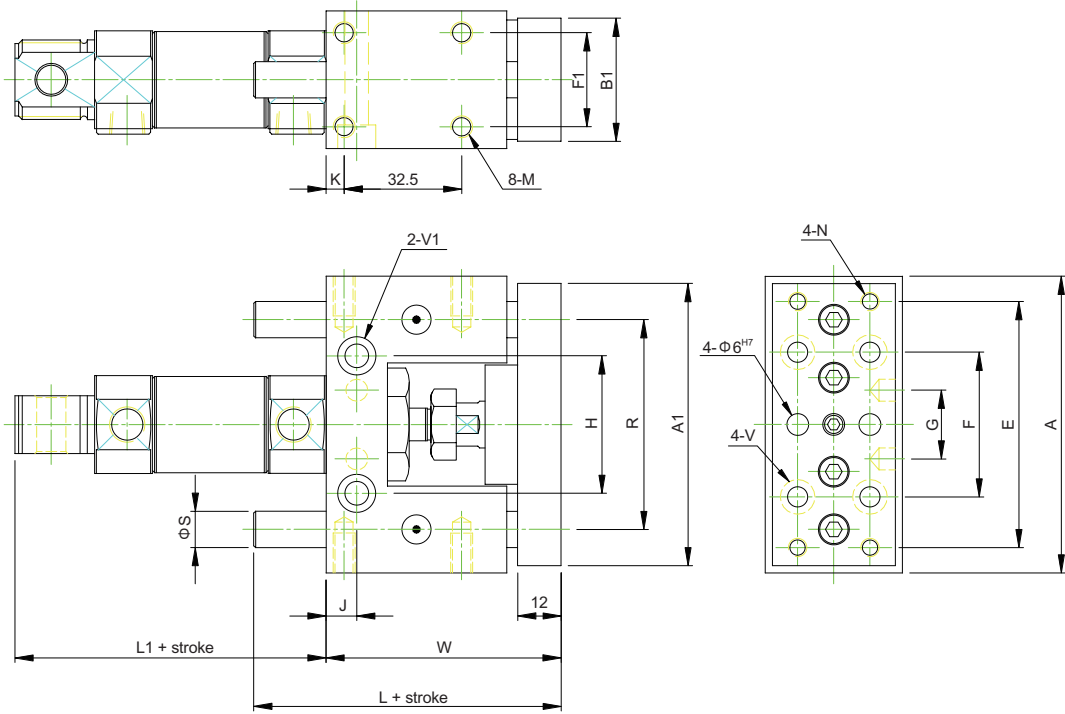
AZGX	SD	50	B	50	-	A	1
Type	Rear flange coupling	Bore	Cushion	Stroke		Sensor switch	Quantity
10ZGK	SD	20 : Φ20 25 : Φ25 32 : Φ32 40 : Φ40 50 : Φ50 63 : Φ63	B : with cushion	Please see stroke table		A : DI106 (Φ20-25) B : AZRK (Φ32-63)	1 : 1pc 2 : 2pcs
AZGX	RF						
AZGB							
AZGU							

### Stroke table

Type	Bore	Stroke (mm)
10ZGK	Φ20、25	25,50,75,100,125,150,175,200,250,300,350,400
AZGX	Φ32、40、50、63	
AZGB、AZGU	Φ20、25、32、40、50、63	

**10ZGK** Light duty type / Dimensional features

● Bore  $\Phi 20 \sim \Phi 25$

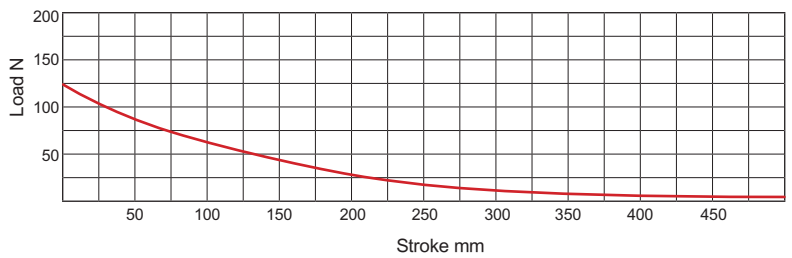
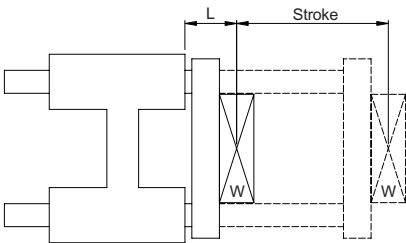


**Dimensional Table**

Mark Bore	A	A1	B	B1	E	E1	F	F1	G	H	J	K	L	L1	M	N	R	S	V		V1		W
$\Phi 20$	82	78	38	34	68	20	40	26	19	38	8.5	8.5	85	81	M6 deep 11	M5	58	10	$\Phi 5.5d \times \Phi 9.5$ deep 5.4D	$\Phi 6.5d \times \Phi 10.5$ deep 6.5D			65
$\Phi 25$	82	78	38	34	68	20	40	26	19	38	8.5	8.5	85	86	M6 deep 11	M5	58	10	$\Phi 5.5d \times \Phi 9.5$ deep 5.4D	$\Phi 6.5d \times \Phi 10.5$ deep 6.5D			65

**Maximum allowable torque moment**

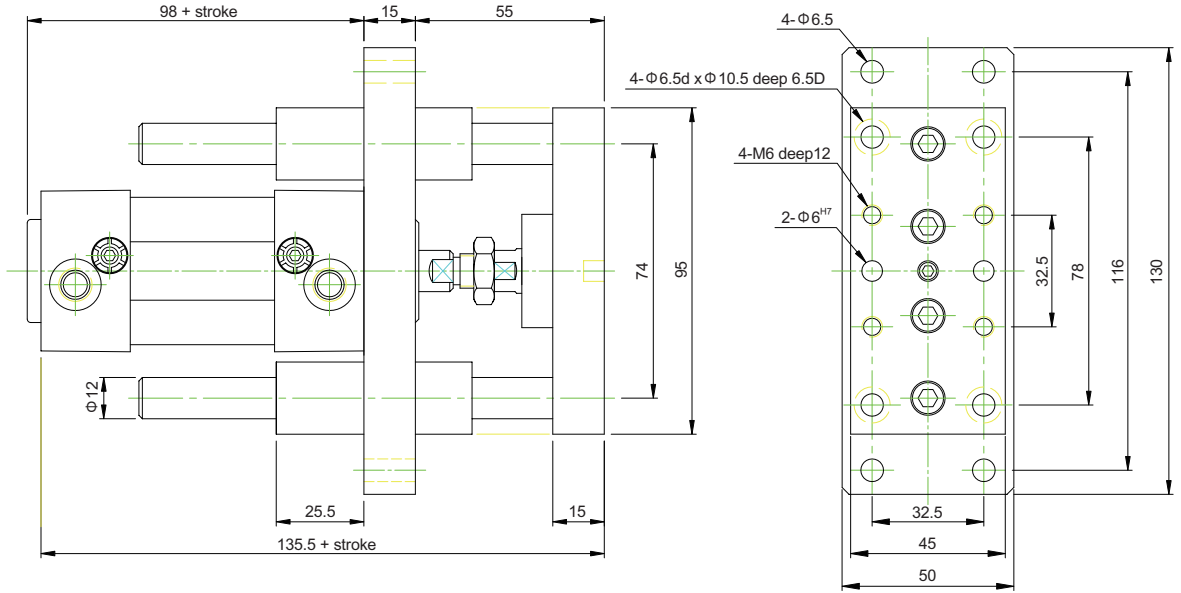
Max. Allowable Load / Bore  $\Phi 20 \sim \Phi 25$



10ZG / AZG

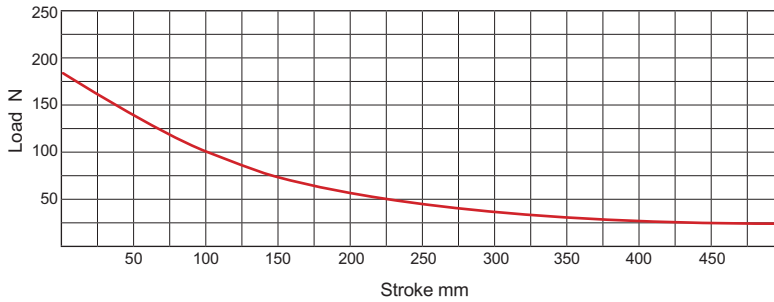
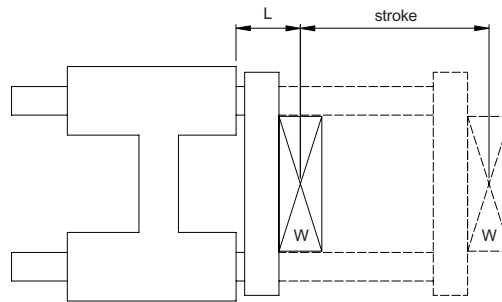
**AZGX** Light duty type / Dimensional features

● Bore  $\Phi 32$



**Maximum allowable torque moment**

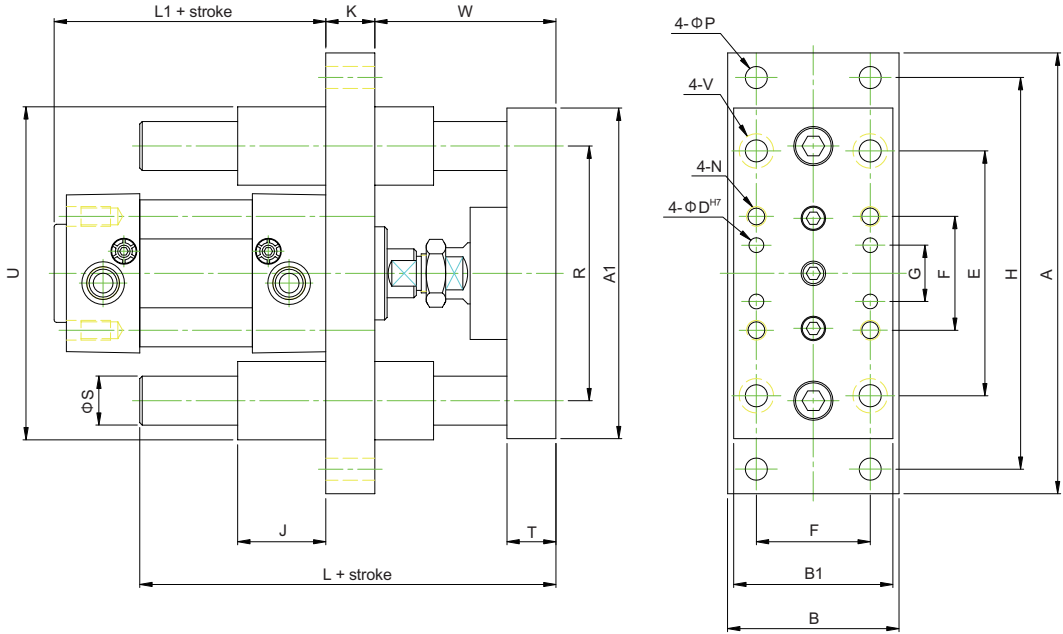
Max. Allowable Load / Bore  $\Phi 32$



**AZGX**

Light duty type / Dimensional features

● Bore  $\Phi 40 \sim \Phi 63$

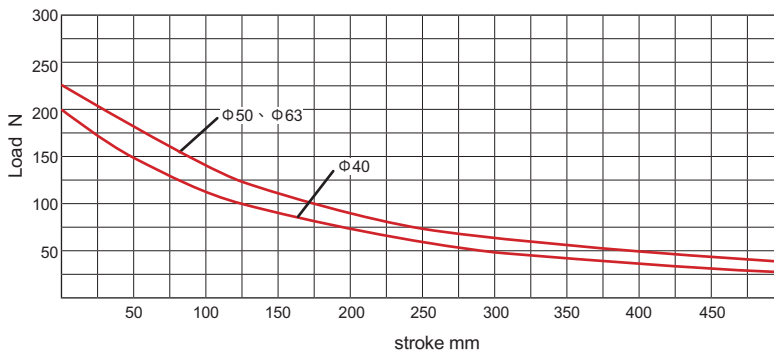
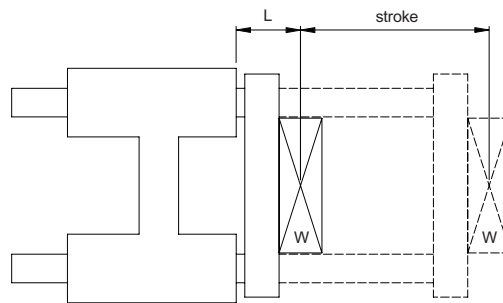


**Dimensional Table**

Mark Bore	A	A1	B	B1	E	F	G	H	J	K	L	L1	N	P	R	S	U	V	W
$\Phi 40$	160	115	55	6	84	38	19	140	32	15	148	110	M6 deep 11	$\Phi 9$	87	16	115	$\Phi 6.5d \times \Phi 10.5$ deep 6.5D	61
$\Phi 50$	180	135	70	6	100	46.5	23	160	36	20	170	111	M8 deep 14	$\Phi 9$	104	20	136	$\Phi 9d \times \Phi 14$ deep 8.5D	74
$\Phi 63$	195	150	80	6	105	56.5	28	175	36	20	170	126	M8 deep 16	$\Phi 9$	119	20	151	$\Phi 9d \times \Phi 14$ deep 8.5D	74

**Maximum allowable torque moment**

Max. Allowable Load / Bore  $\Phi 40 \sim \Phi 63$

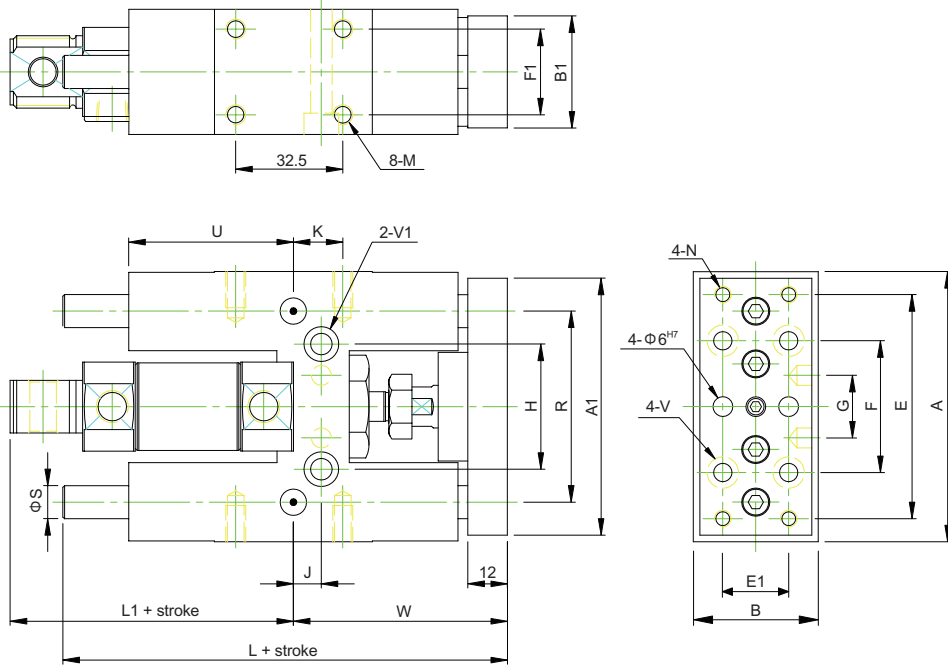


10ZG / AZG

**AZGB** Heavy duty (bush) type / Dimensional features

**AZGU** Heavy duty (linear bearing) type / Dimensional features

● Bore  $\Phi 20 \sim \Phi 25$

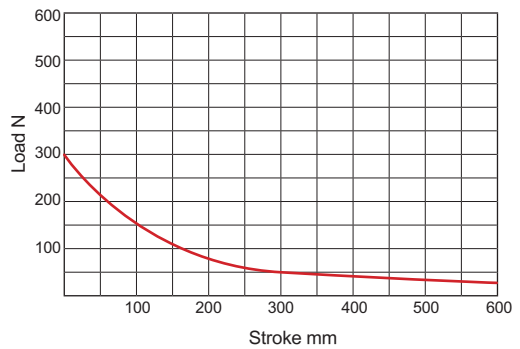
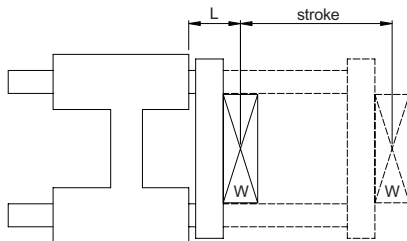


**Dimensional Table**

Mark Bore	A	A1	B	B1	E	E1	F	F1	G	H	J	K	L	L1	M	N	R	S	V	V1	W
$\Phi 20$	82	78	38	34	68	20	40	26	19	38	8.5	8.5	85	81	M6 deep 11	M5	58	10	$\Phi 5.5d \times \Phi 9.5$ deep 5.4D	$\Phi 6.5d \times \Phi 10.5$ deep 6.5D	65
$\Phi 25$	82	78	38	34	68	20	40	26	19	38	8.5	8.5	85	86	M6 deep 11	M5	58	10	$\Phi 5.5d \times \Phi 9.5$ deep 5.4D	$\Phi 6.5d \times \Phi 10.5$ deep 6.5D	65

**Maximum allowable torque moment**

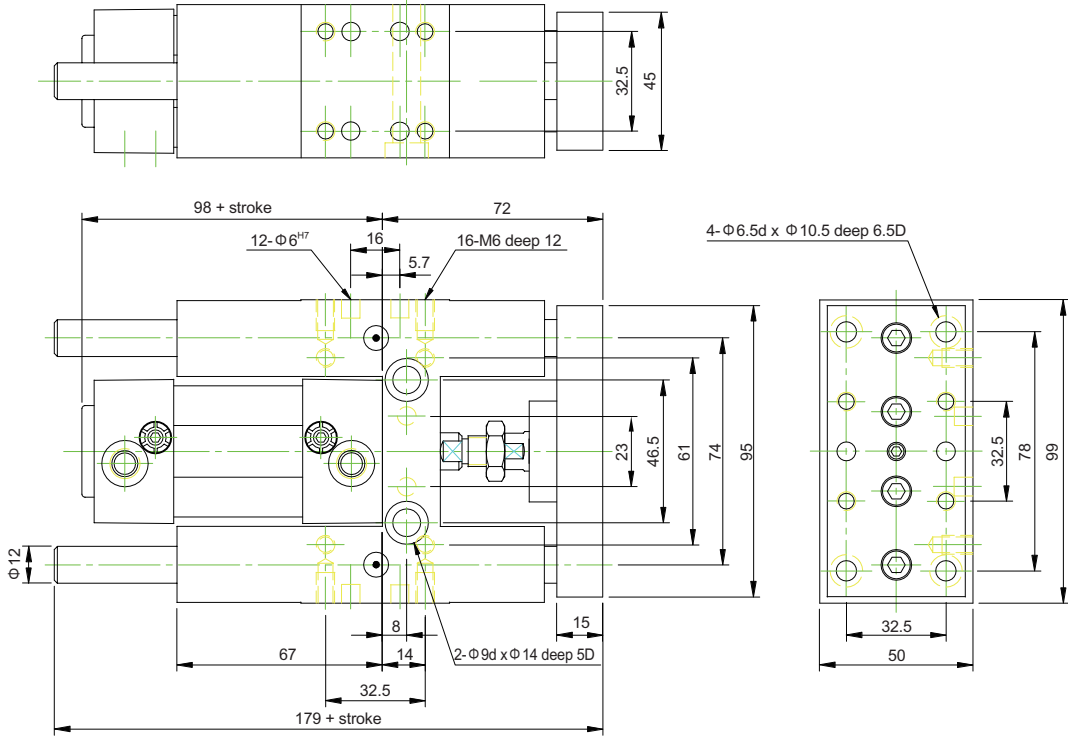
Max. Allowable load / AZGB、AZGU Bore  $\Phi 20 \sim \Phi 25$



**AZGB** Heavy duty (bush) type / Dimensional features

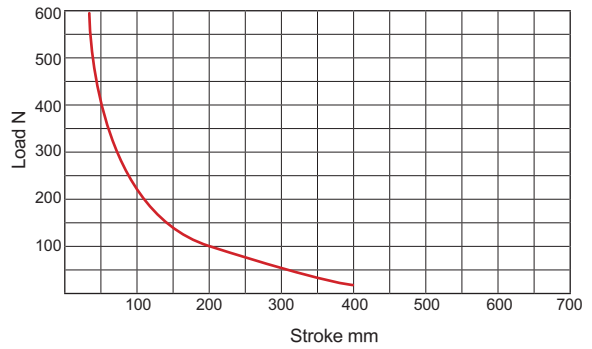
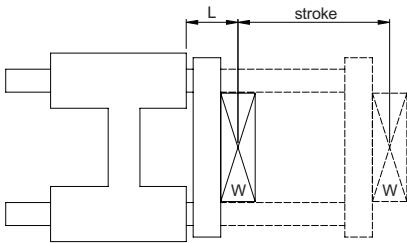
**AZGU** Heavy duty (linear bearing) type / Dimensional features

● Bore  $\Phi 32$



**Maximum allowable torque moment**

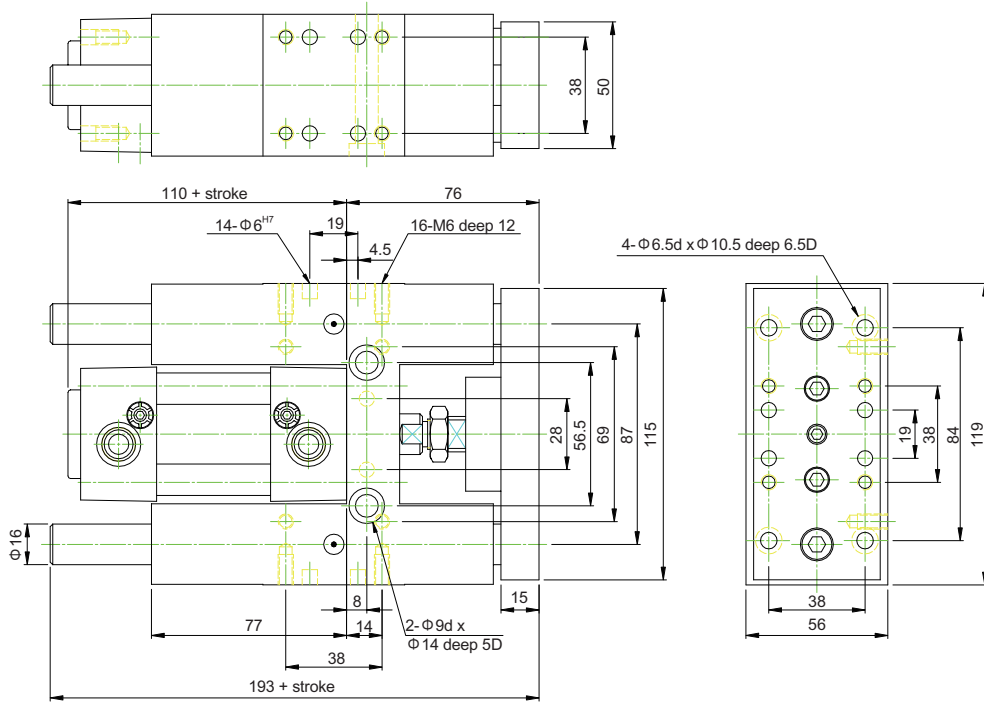
Max. Allowable load / AZGB · AZGU Bore  $\Phi 32$



**AZGB** Heavy duty (bush) type / Dimensional features

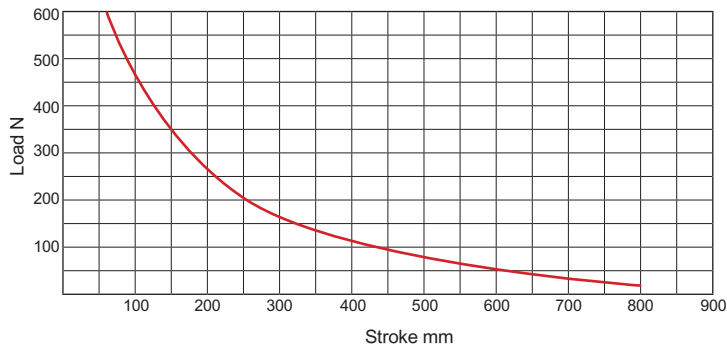
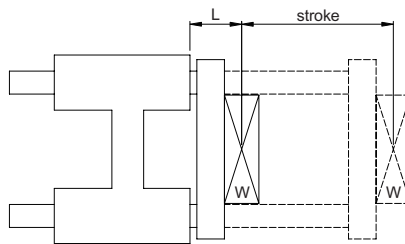
**AZGU** Heavy duty (linear bearing) type / Dimensional features

● Bore  $\Phi 40$



**Maximum allowable torque moment**

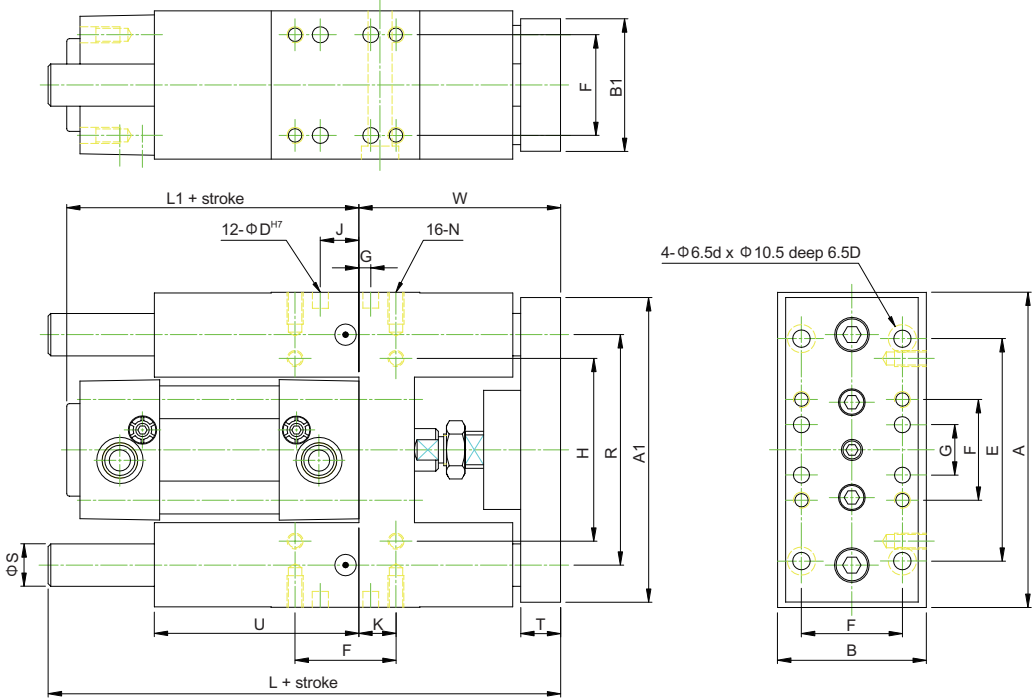
Max. Allowable load / AZGB · AZGU Bore  $\Phi 40$



**AZGB** Heavy duty (bush) type / Dimensional features

**AZGU** Heavy duty (linear bearing) type / Dimensional features

● Bore  $\Phi 50 \sim \Phi 63$

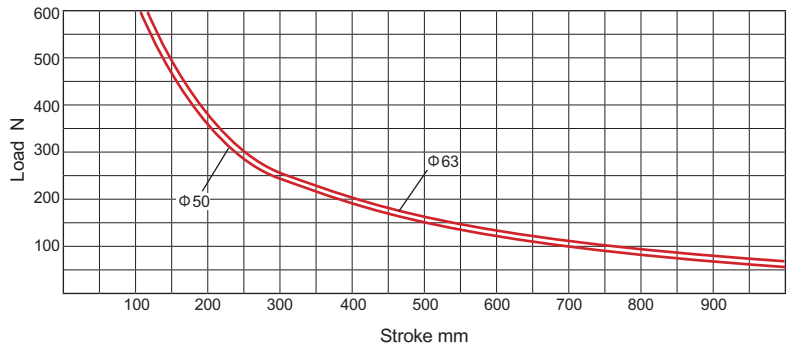
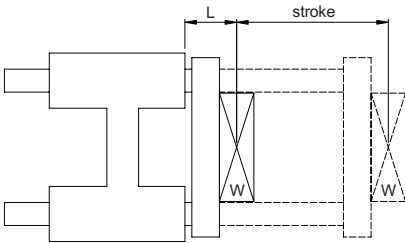


**Dimensional Table**

Mark Bore	A	A1	B	B1	E	F	G	H	J	K	L	L1	N	P	R	S	T	U	V	W
$\Phi 50$	141	135	70	65	100	46.5	23	85	7.5	19	215	111	M8 deep 14	$\Phi 9$	104	20	20	81	$\Phi 9d \times \Phi 14$ deep 8.5D	94
$\Phi 63$	156	150	80	75	105	56.5	28	100	5	19	230	126	M8 deep 16	$\Phi 9$	119	20	20	96	$\Phi 9d \times \Phi 14$ deep 8.5D	94

**Maximum allowable torque moment**

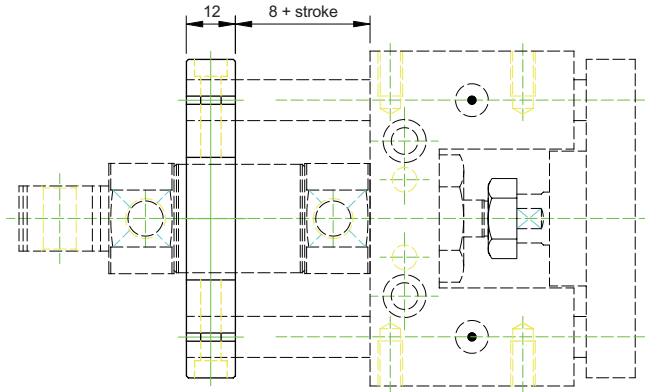
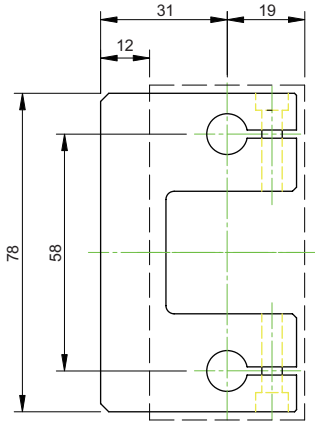
Max. Allowable load / AZGB · AZGU Bore  $\Phi 50 \sim \Phi 63$



10ZG / AZG



**10ZGK** Heavy duty (bush) type / Rear flange coupling  
● Bore  $\Phi 20 \sim \Phi 25$

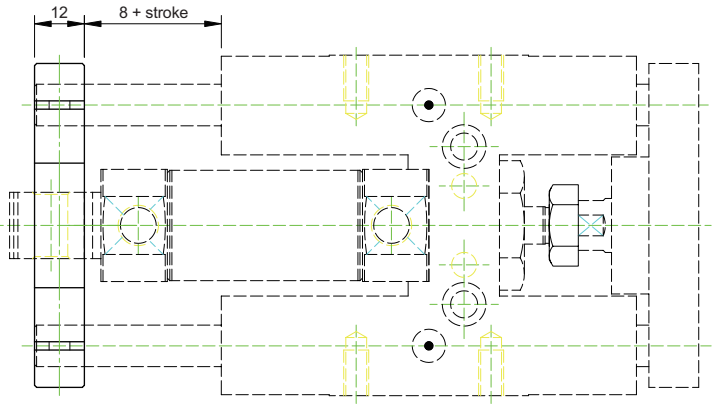
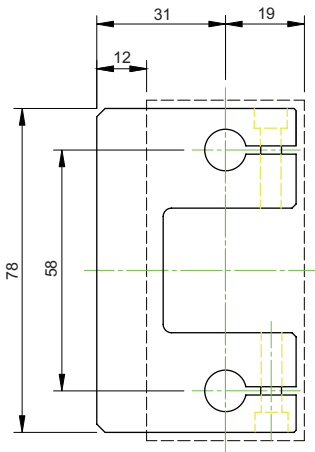


**AZGB** Heavy duty (bush) type / Rear flange coupling

**AZGU** Heavy duty (linear bearing) type / Rear flange coupling

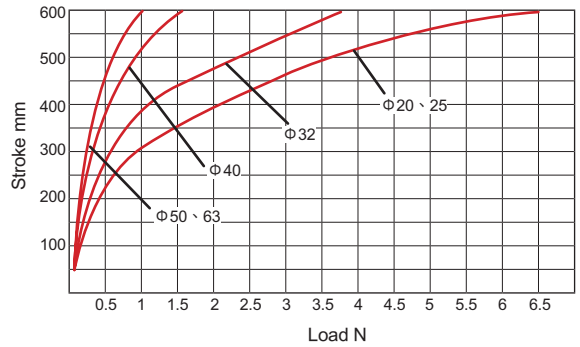
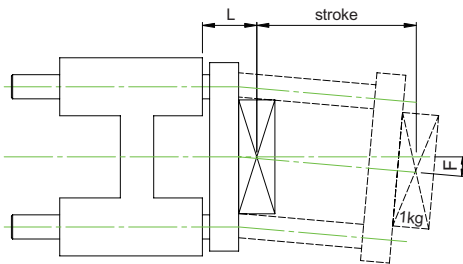
● Bore  $\Phi 20 \sim \Phi 25$

\* Building material : aluminium alloy  
2 Clamps screws are included in the supply



**Maximum allowable torque moment**

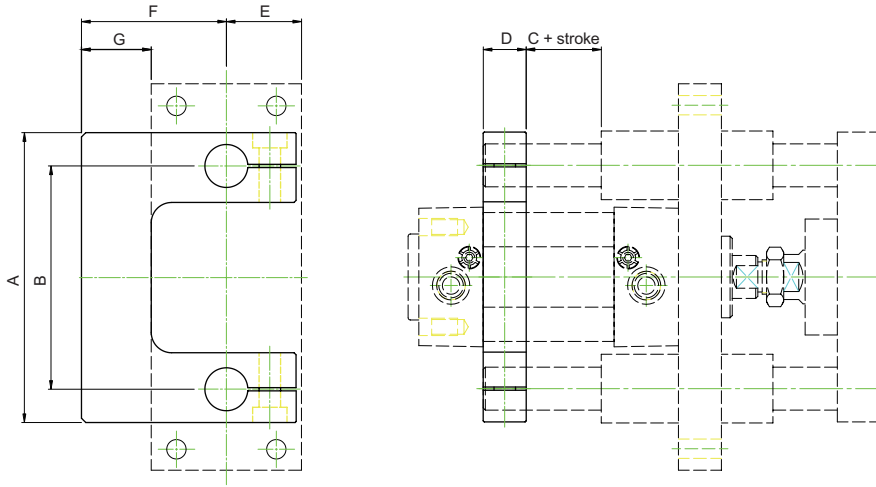
Max. Allowable load / AZGB、AZGU Bore  $\Phi 20 \sim \Phi 25$



**AZGX**

Heavy duty (bush) type / Rear flange coupling

● Bore  $\Phi 32 \sim \Phi 63$



**Dimensional Talbe**

Mark Bore	A	B	C	D	E	F	G	Mark Bore	A	B	C	D	E	F	G
$\Phi 32$	95	75	25	15	25	47	22	$\Phi 50$	135	104	20	20	35	67.5	32.5
$\Phi 40$	115	87	20	20	20	52.5	24.5	$\Phi 63$	150	119	20	20	40	78	38

**AZGB**

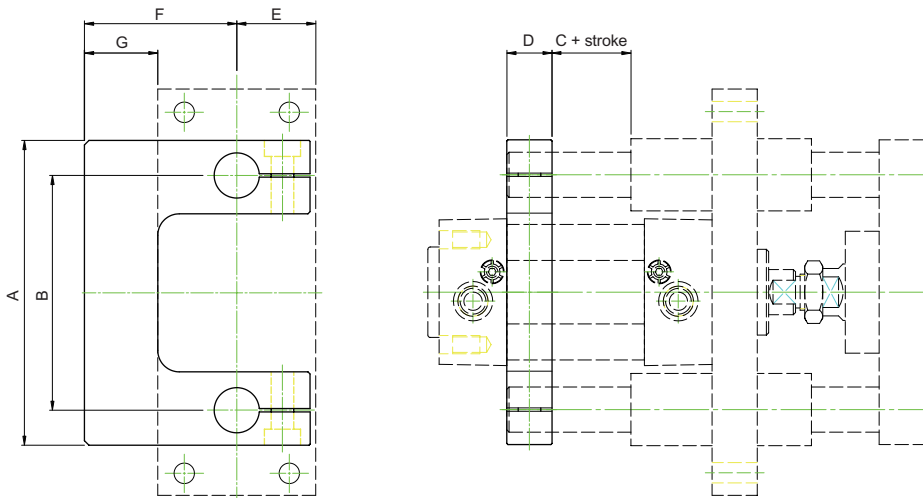
Heavy duty (bush) type / Rear flange coupling

**AZGU**

Heavy duty (linear bearing) type / Rear flange coupling

● Bore  $\Phi 32 \sim \Phi 63$

\* Building material : aluminium alloy  
2 Clamps screws are included in the supply



**Dimensional Talbe**

Mark Bore	A	B	C	D	E	F	G	Mark Bore	A	B	C	D	E	F	G
$\Phi 32$	95	74	25	15	25	47	22	$\Phi 50$	135	104	20	20	35	67.5	32.5
$\Phi 40$	115	87	20	20	28	52.5	24.5	$\Phi 63$	150	119	20	20	40	78	38

## Weight of the guide cylinder

Unit : kg

Mark Bore	10ZGK		AZGB		AZGX		AZGU	
	Basic weight	Stroke 25mm	Basic weight	Stroke 25mm	Basic weight	Stroke 25mm	Basic weight	Stroke 25mm
Φ 20	0.690	0.050	1.090	0.050	—	—	0.967	0.050
Φ 25	0.716	0.058	1.137	0.058	—	—	1.015	0.058
Φ 32	—	—	2.060	0.100	1.274	0.100	1.918	0.100
Φ 40	—	—	3.423	0.159	2.082	0.159	3.113	0.159
Φ 50	—	—	5.584	0.240	3.440	0.240	5.162	0.240
Φ 63	—	—	6.816	0.250	4.221	0.250	6.390	0.250