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Point-fixed Glass Wall Fittings Typical Product Catalogue



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## Surface Finish



Mirror



Satin



Sandblasting



Electroplating

Material & Standard

I . Material

- 1、The casting stainless steel products:
  - Common Material: CF8,CF8M(ASTM A743/A743M)
  - Alternative Material: CD3MN(ASTM A890/A890M)
  - Non-standard Material: Other requested casting stainless steel material which are similar to CF8,CF8M
- 2、The stainless steel products(sheet/tube/bar etc.):
  - Common Material: 304,316 (ASTM A276)
  - Alternative Material: 2205 (ASTM A276)
  - Non-standard Material: Other requested material which are similar to 304,316
- 3、Material Description:

Point-fixed glass curtain wall fittings, exposed as a bare outside products, are mainly made of the stainless steel with bright appearance and good corrosion resistance.KIN LONG is a supplier of high-end glass curtain wall fittings. Most of the products are made of high-end stainless steel.The typical material are austenitic stainless steel 316,CF8M and duplex stainless steel 2205,CD3MN.

316 and 2205 are the stainless steel grades based on American standard which be applicable for profiles (sheet,tube,bar). Especially the material 316 is high-end and commonly used all over the world. It has excellent mechanical properties and corrosion resistance capacity to meet the demands of most projects. It is mostly common used material for point-fixed products currently, but it is not recommended to use in the worse environment area such as swimming pools, seaside. In these cases ,high duplex stainless steel 2205 can be selected.

Most of the point-fixed glass fittings select the precision casting process because of the diversity appearance. Due to the different manufacturing process between casting milling and rolling,KIN LONG selects the CF8M and CD3MN to produce spider with casting process , while the material 316 and 2205 can not be so prefect to present corrosion performance to use for casting process .

Corrosion resistance of stainless steel is mainly formed by surface passivation film and promoting the electrode potential from the iron-chromium alloy, therefore the production process of the stainless steel should include the heat treatment to make the alloy composition uniform. Any kind of scratch and damage on the surface should be avoided. To keep the corrosion resistance of stainless steel,please note the following :

  - Heat treatment should be carried out after casting according to requirements
  - Stainless steel grades should be selected reasonably according to the environment
  - Selecting the smooth surface treatment
  - Taking product protection during the installation
  - The design and application of the product should be avoided foulingand water accumulation.
  - Regularly cleaning to avoid the dirty
- II . Product Executive Standard
- | Products Series               | The Executive Standard  |
|-------------------------------|---|
| Spider,Routel                 | <i>Point Supporting Device for Architectural Glass</i> JG/T 138-2010  |
| Clamp                         | <i>Point Supporting Device for Architectural Glass</i> JG/T 138-2010  |
| Strut Bar                     | <i>Stainless Steel Strut Bar</i> DB44/T 1053-2012                     |
| Stainless Steel Tension Cable | <i>Stainless Steel Tension Cable</i> YB/T 4294-2012                   |
| Stainless Steel Strand        | <i>Stainless Steel Wire Strand</i> GB/T 25821-2010                    |
| Stainless Steel Swaged Anchor | <i>Swaged Fitting of Steel Strand for Curtain</i> JG/T 201-2007       |
| Stainless Steel Tension Rod   | <i>Steel Tension Rod Member for Building</i> JG/T 389-2012            |
| Suspension Clamp              | <i>The Support Device of Suspended Glass Curtain Wall</i> JG 139-2001 |
- Common Calculation Formula
- I .Calculation of radial and axial load for model selection
- 
- 1.The Weight of The Glass Panel
$$G_k=T\times B\times H\times \rho$$

$G_k$ —The weight of the glass panel(N);  
 $T$ —The valid thickness of the glass(mm);  
 $B$ — The width of the glass(m);  
 $H$ —The height of the glass(m);  
 $\rho$ — The gravity density of the glass(Default: 25.6);

2.Radial Force
$$F_y=1.2G_k/n_y$$

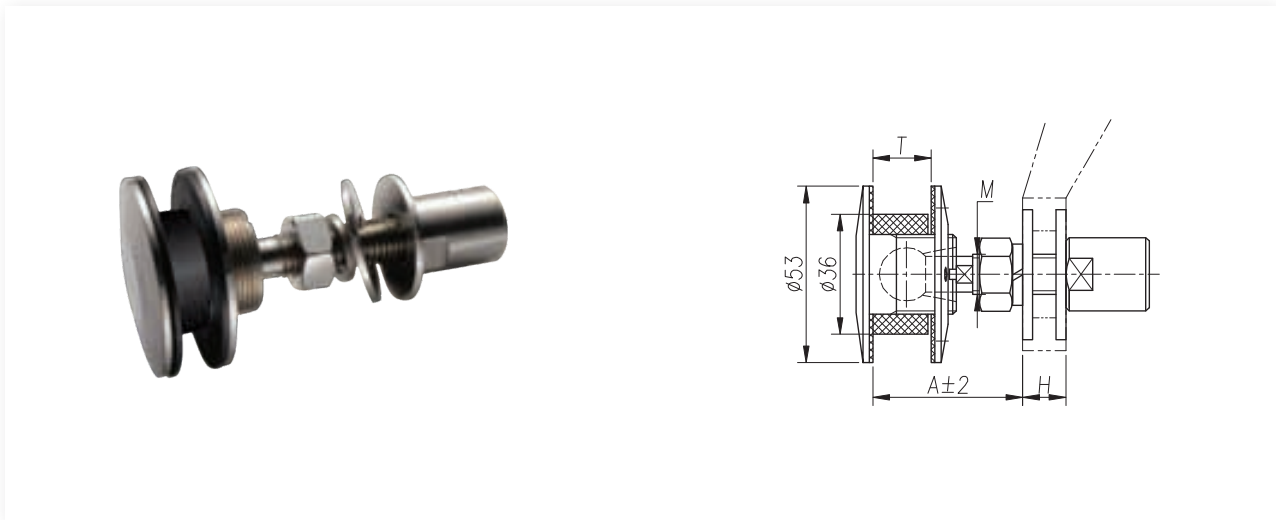
$F_y$ —The radial force for a single point(N);  
 $G_k$ —The weight of the glass panel(N);  
 $n_y$ —y Number of force bearing point in y direction, see attached drawing for details;

3.Axial Force
$$F_x=q\times B\times H/n_x$$

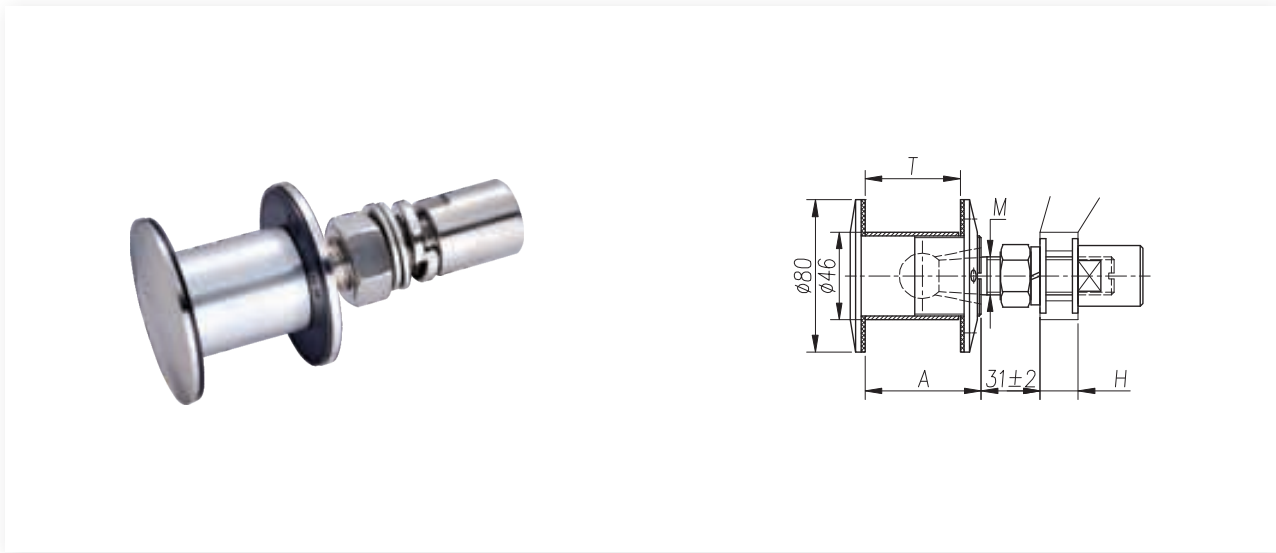
$F_x$ —The axial force for a single point(N);  
 $q$ —Even distributed design value of the load on the glass panel,mainly supposed to be the wind load (N/m<sup>2</sup>) ;  
 $B$ —The width of the glass(m);  
 $H$ —The height of the glass(m);  
 $n_x$ — x Number of force bearing point in x direction, see attached drawing for details;
- II . Calculation for tightening torque of squeezing cable bolt (Deduced by Mechanical Design Handbook)
- $T=1.3fd/n$

In formula  $T$ —Tightening torque of single bolt(N • mm)  
 $f$ —The friction force that accessory load at the project node(N)  
 $d$ —Nominal diameter of squeezing cable bolt(mm)  
 $n$ —Number of squeezing cable bolt
- 02/03

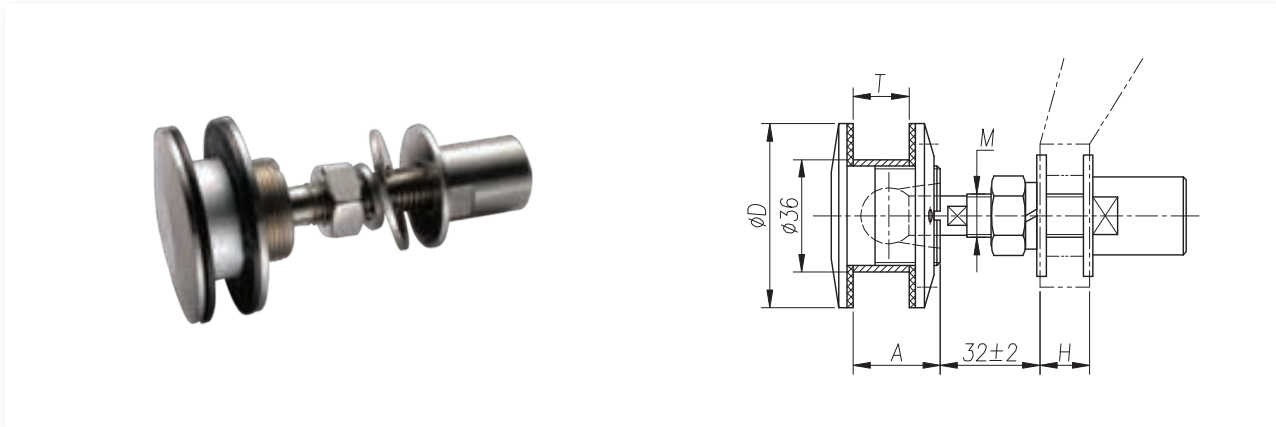
Flat Cap Routel



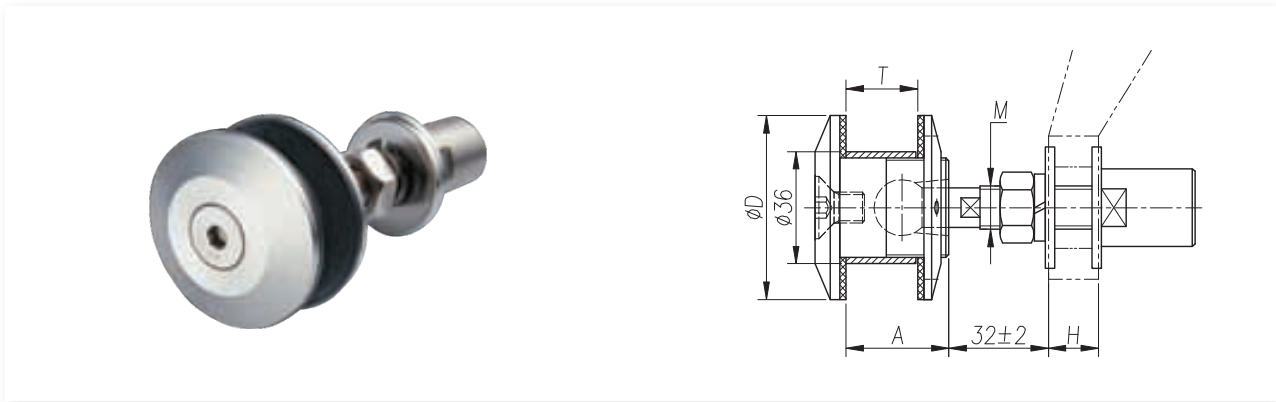
Size Model	A	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
							Fx ≤	Fy ≤	
ATF11	45	M12	8-18	—	±5°		3000	1500	
ATF12	53	M12	18-26	—	±5°		3000	1500	
ATF13	69	M14	26-40	—	±5°		3500	2000	
ATF14	78	M16	40-46	—	±5°		4000	2500	



Size Model	A	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
							Fx ≤	Fy ≤	
TF25	61	M20X1.5	25-50	—	±5°		7000	3500	
TF26	66	M24	30-55	—	±5°		7500	5000	



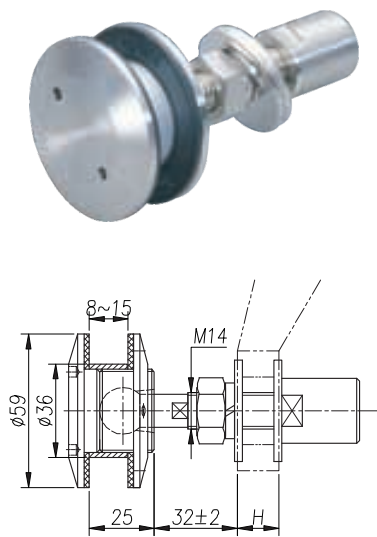
Size Model	A	D	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
								Fx ≤	Fy ≤	
TF11(TF11A)	28	59	M14	8-18	—	±5°(±10°)		4500	2000	
TF12(TF12A)	36	59	M14	18-26	—	±5°(±10°)		4500	2000	
TF13(TF13A)	50	59	M16	26-40	—	±5°(±10°)		6000	2500	
TF14(TF14A)	56	59	M18	40-46	—	±5°(±10°)		6500	2800	
TF21(TF21A)	32	70	M16	8-22	—	±5°(±10°)		6000	2500	
TF22(TF22A)	40	70	M16	22-30	—	±5°(±10°)		6000	2500	
TF23(TF23A)	50	70	M16	30-40	—	±5°(±10°)		6000	2500	
TF24(TF24A)	61	70	M18	40-50	—	±5°(±10°)		6500	2800	



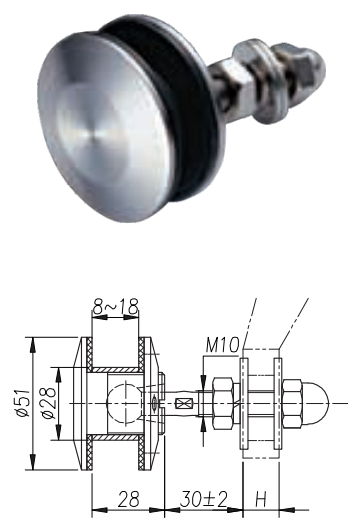
Size Model	A	D	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
								Fx ≤	Fy ≤	
TF32	33	59	M14	15-23	—	±5°		4500	2000	
TF33	50	59	M16	23-40	—	±5°		6000	2500	
TF34	56	59	M18	40-46	—	±5°		6500	2800	
TF35	50	70	M16	30-40	—	±5°		6000	2500	
TF36	61	70	M18	40-50	—	±5°		6500	2800	



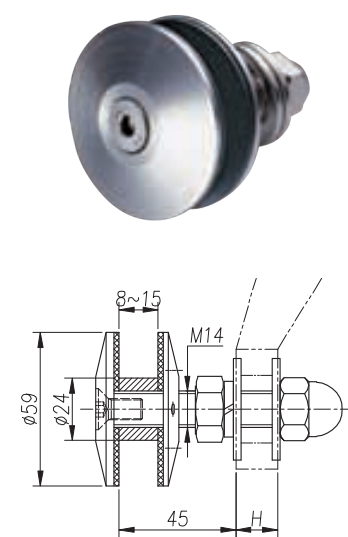
TF31



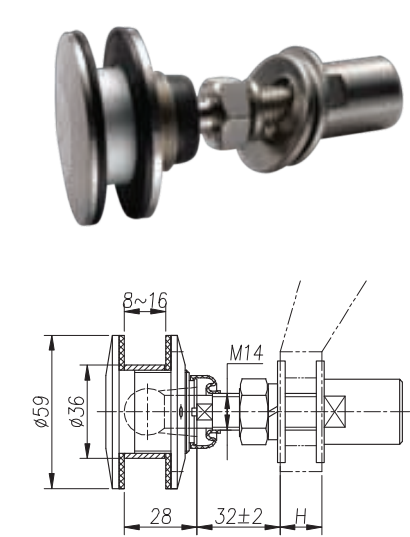
TF41



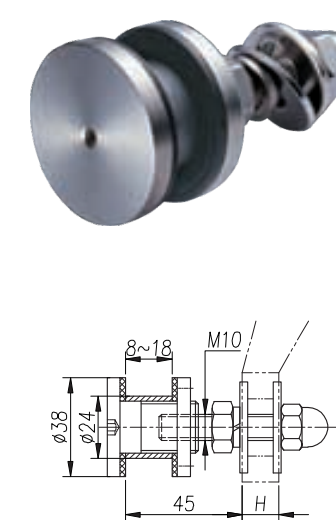
TF44



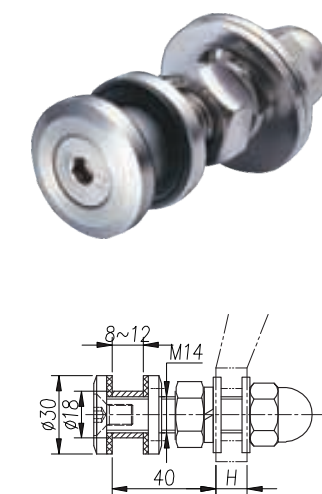
TF51



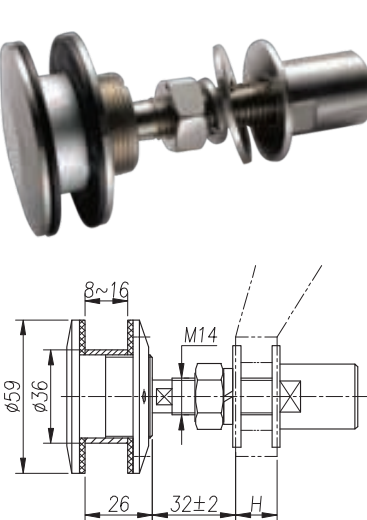
TF42



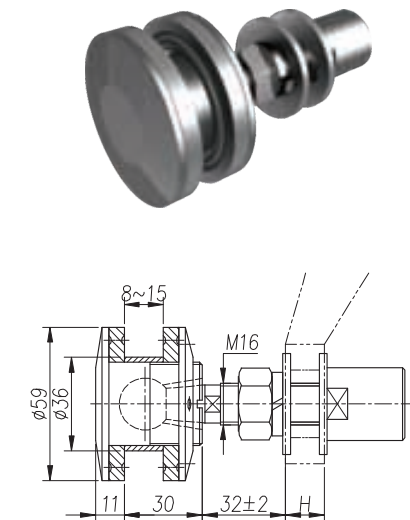
TF43



TF52



TF53

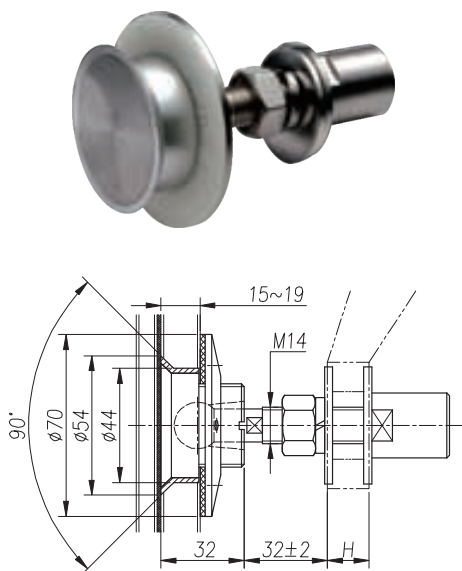


The Recommended Value of Load Capacity (N)	Model	Material: 316,304		The Available Rotation Angle	
		Fx ≤	Fy ≤		
	TF31	4500	2000	±5°	
	TF41	2500	1200	±5°	
	TF42	2500	1200	—	
	TF43	4500	2000	—	

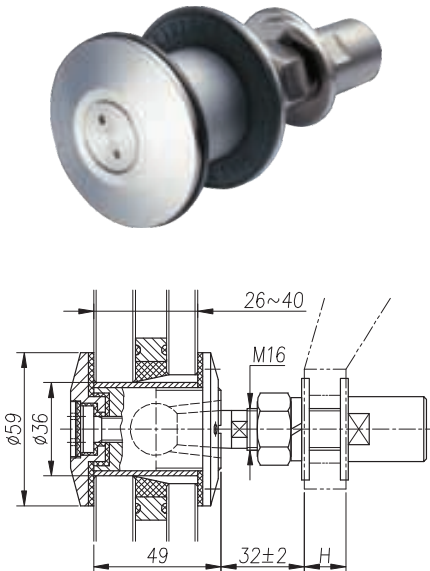
The Recommended Value of Load Capacity (N)	Model	Material: 316,304		The Available Rotation Angle	
		Fx ≤	Fy ≤		
	TF44	4500	2000	—	
	TF51	4500	2000	±5°	
	TF52	4500	2000	±5°	
	TF53	6000	2500	±5°	

Countersunk Routel

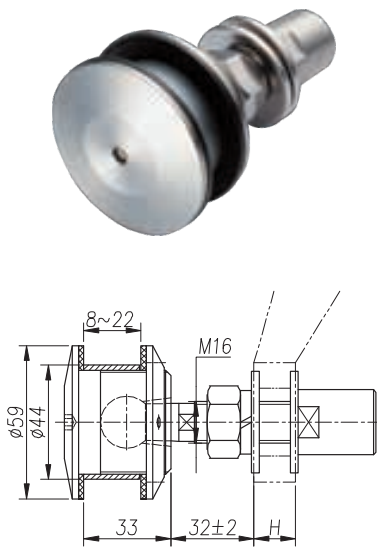
TF54



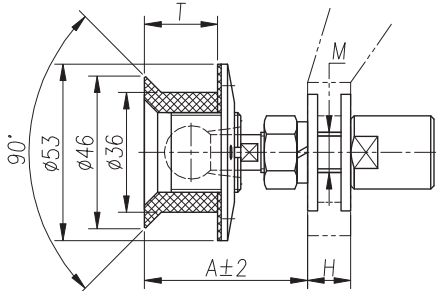
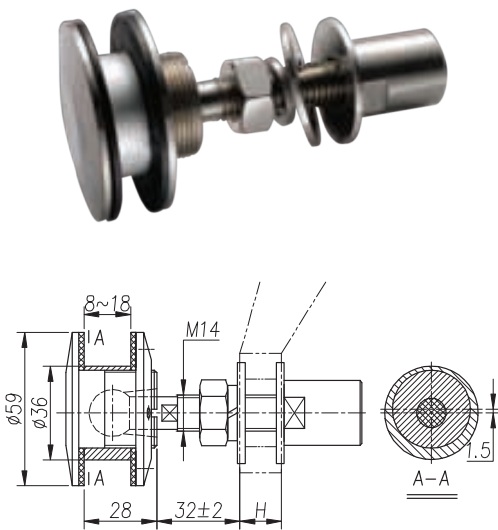
TF55



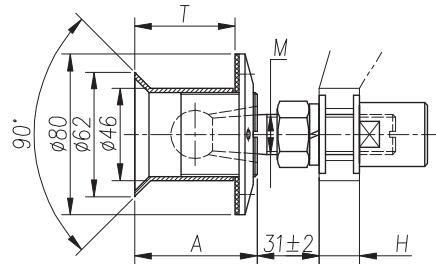
TF56



TF57

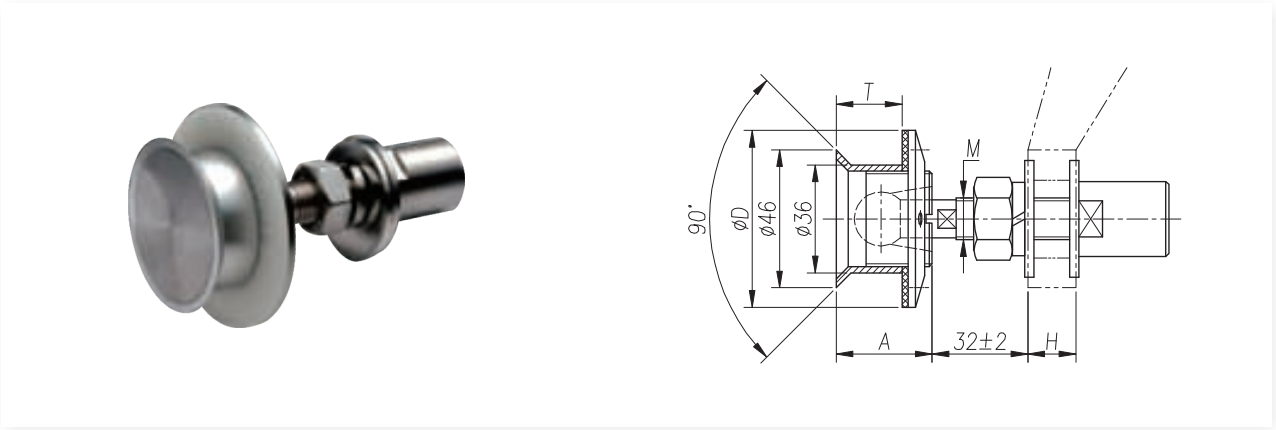


Size Model	A	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
							Fx ≤	Fy ≤	
ATC11	49	M12	8-22	—	± 5°		3000	1500	
ATC12	56	M12	22-30	—	± 5°		3000	1500	
ATC13	69	M14	30-40	—	± 5°		3500	2000	
ATC14	78	M16	40-46	—	± 5°		4000	2500	

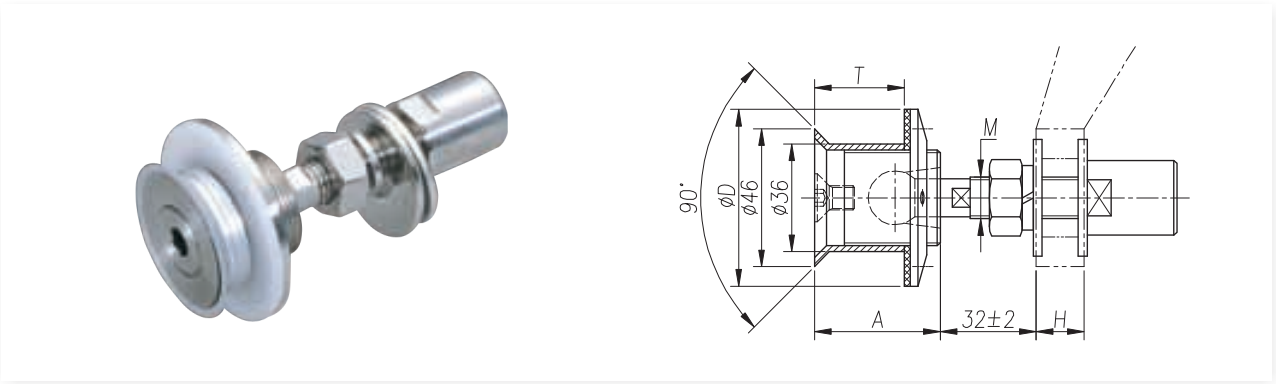


Size Model	A	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
							Fx ≤	Fy ≤	
TC25	61	M20X1.5	25-50	—	± 5°		7000	3500	
TC26	66	M24	30-55	—	± 5°		7500	5000	

The Recommended Value of Load Capacity (N)	Model	Material: 316,304		The Available Rotation Angle	
		Fx ≤	Fy ≤		
	TF54	4500	2000	± 5°	
	TF55	6000	2500	± 5°	
	TF56	6000	2500	± 5°	
	TF57	4500	2000	± 5°	

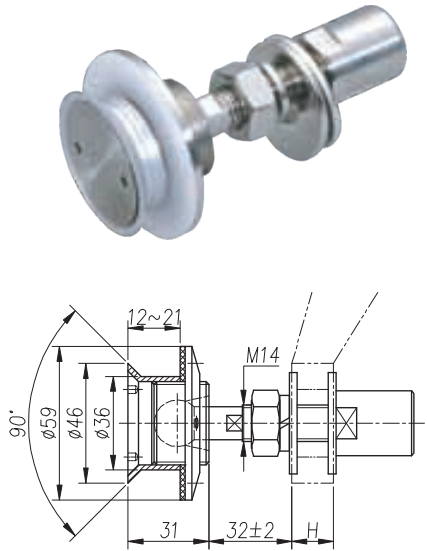


Size Model	A	D	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
								Fx ≤	Fy ≤	
TC11(TC11A)	32	59	M14	8-22	—	± 5° (±10°)		4500	2000	
TC12(TC12A)	40	59	M14	22-30	—	± 5° (±10°)		4500	2000	
TC13(TC13A)	50	59	M16	30-40	—	± 5° (±10°)		6000	2500	
TC14(TC14A)	56	59	M18	40-46	—	± 5° (±10°)		6500	2800	
TC21(TC21A)	32	70	M16	8-22	—	± 5° (±10°)		6000	2500	
TC22(TC22A)	40	70	M16	22-30	—	± 5° (±10°)		6000	2500	
TC23(TC23A)	50	70	M16	30-40	—	± 5° (±10°)		6000	2500	
TC24(TC24A)	56	70	M18	40-46	—	± 5° (±10°)		6500	2800	

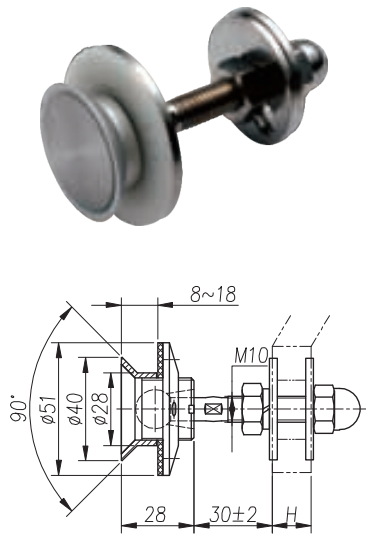


Size Model	A	D	M	T	H	The Available Rotation Angle	The Recommended Value of Load Capacity (N)	Material: 316,304		
								Fx ≤	Fy ≤	
TC32	42	59	M14	15-32	—	± 5°		4500	2000	
TC33	50	59	M16	30-40	—	± 5°		6000	2500	
TC34	56	59	M18	40-46	—	± 5°		6500	2800	
TC35	50	70	M16	30-40	—	± 5°		6000	2500	
TC36	56	70	M18	40-46	—	± 5°		6500	2800	

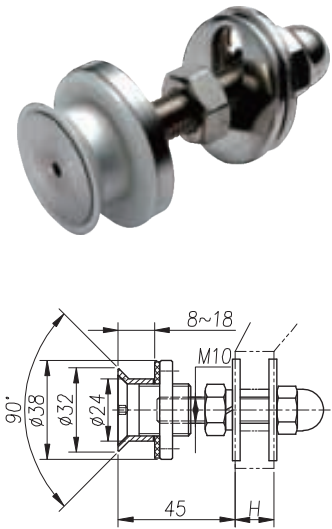
TC31



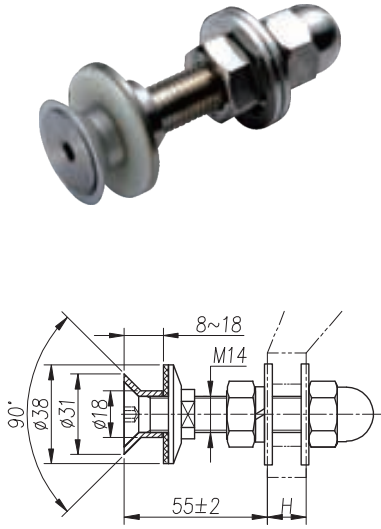
TC41




TC42

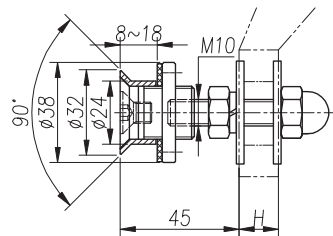


TC43

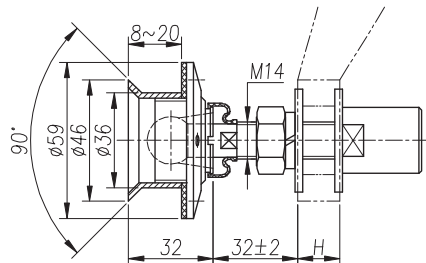


The Recommended Value of Load Capacity (N)	Model	Material: 316,304		The Available Rotation Angle	
		Fx ≤	Fy ≤		
	TC31	4500	2000	±5°	
	TC41	2500	1200	±5°	
	TC42	2500	1200	—	
	TC43	4500	2000	—	

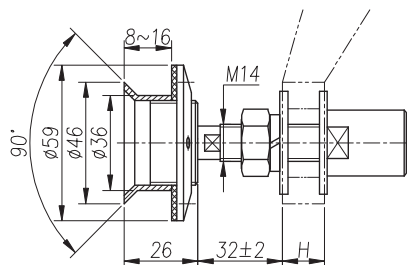
TC44



TC51



TC52



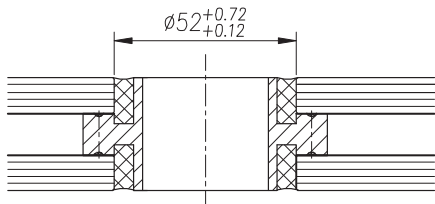
The Recommended Value of Load Capacity (N)	Model	Material: 316,304		The Available Rotation Angle	
		Fx ≤	Fy ≤		
	TC44	2500	1200	—	
	TC51	4500	2000	± 5°	
	TC52	4500	2000	± 5°	

Selection description for aluminium spacer (sleeve) and eccentric washer

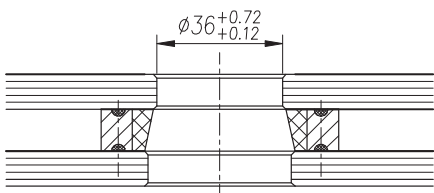
Specification of eccentric washer	Length L of aluminium spacer(sleeve)
(d-1)X(D+0.5) D=diameter of screw	L≤T-0.5(Selecting odd number for L, e.g.11.5,13.5,15.5)
Eg: If T=17.52,d=40,D=14,then the specification of eccentric gasket is (40-1)X(14+0.5),that is 39X14.5; Aluminum spacer length L=15.5	

Glass Drilling Illustration

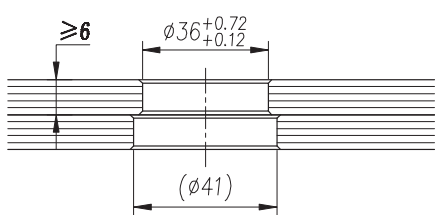
Suitable for:TF23、TF24、TF35、TF36



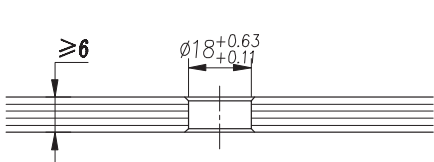
Suitable for:TF13、TF14、TF23、TF24、TF33~TF36、TF55



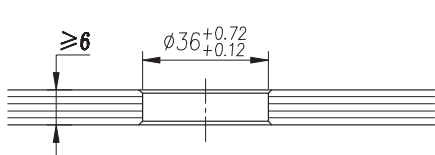
Suitable for:TF11~TF13、TF21~TF23  
TF31~TF35、TF51~TF52、TF55、TF57



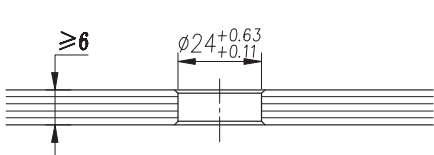
Suitable for:TF43



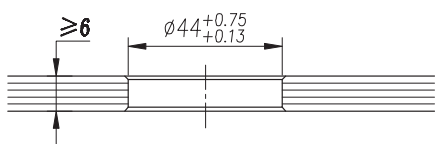
Suitable for:TF11、TF12、TF21、TF22  
TF31、TF32、TF51~TF52、TF57



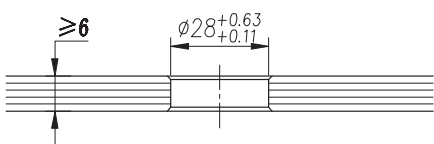
Suitable for:TF42、TF44



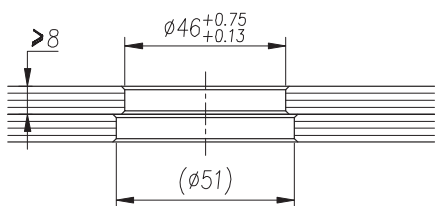
Suitable for:TF56



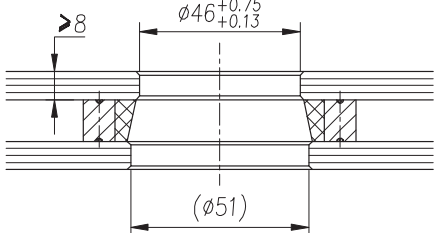
Suitable for:TF41



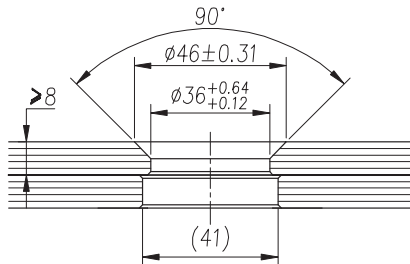
Suitable for:TF25、TF26



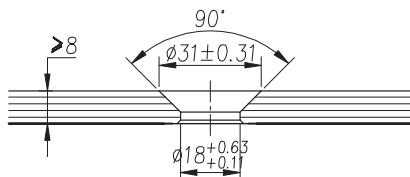
Suitable for:TF25、TF26



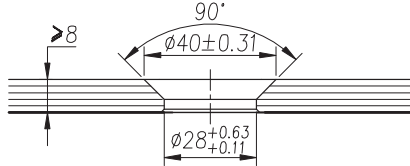
Suitable for:TC11~TC13、TC21~TC23  
TC31~TC33、TC35、TC51



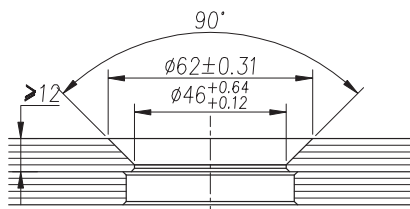
Suitable for:TC43



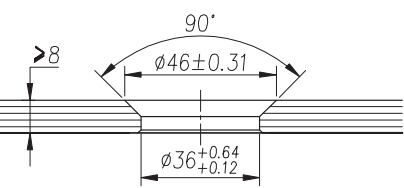
Suitable for:TC41



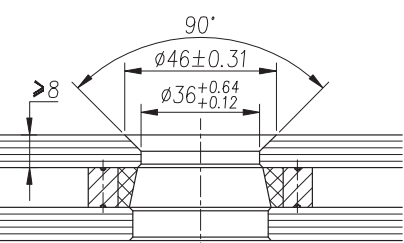
Suitable for:TC25、TC26



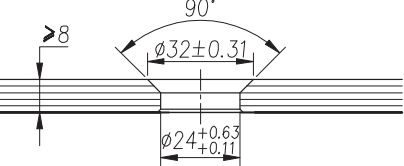
Suitable for:TC11、TC21、TC31、TC32  
TC51、TC52



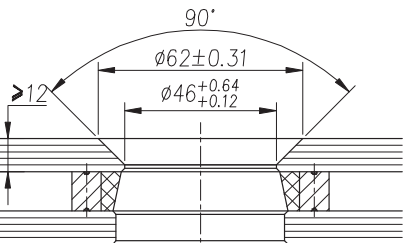
Suitable for:TC13、TC14、TC22~TC24、TC32~TC36



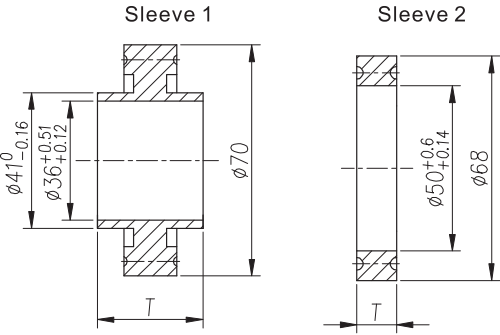
Suitable for:TC42、TC44



Suitable for:TC25、TC26

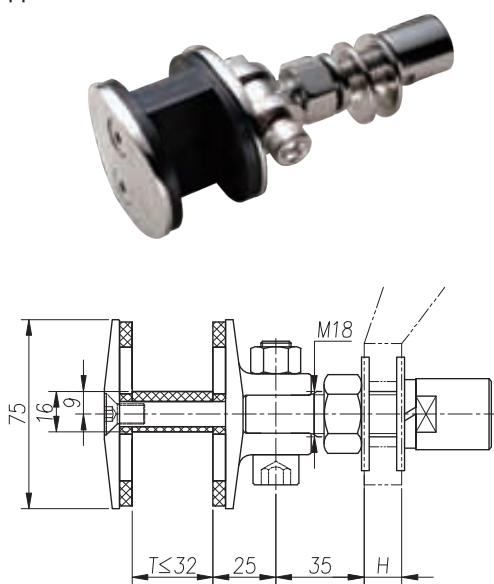


Alu.Sleeve for Insulating Glass Unit

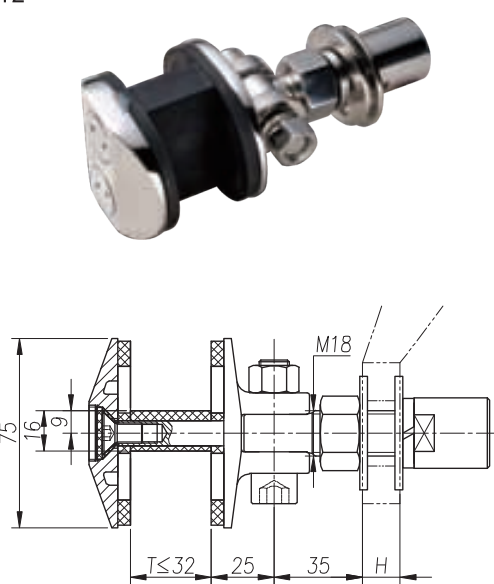


Route

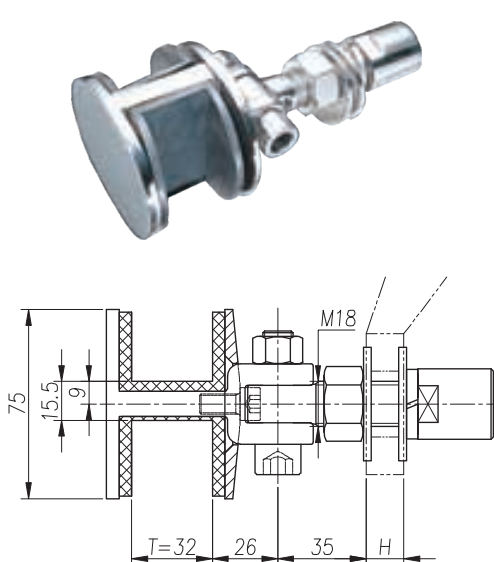
TJ11



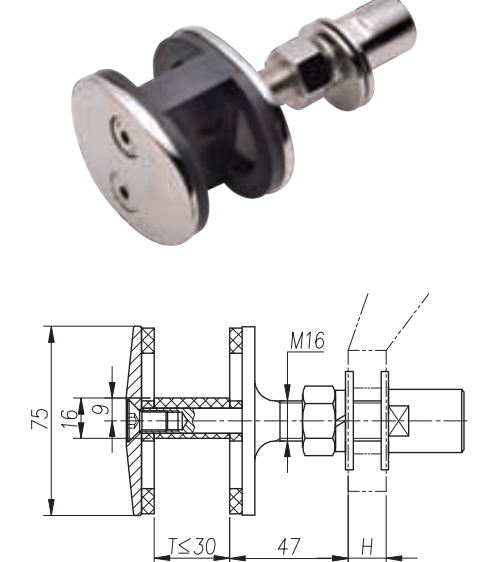
TJ12



TJ13



TJ15

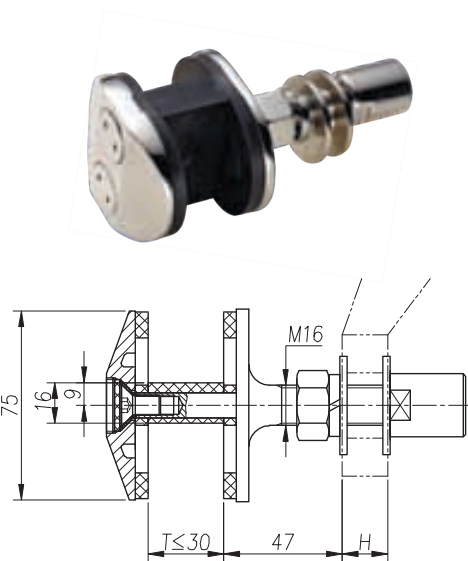


The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		
		Fx ≤	Fy ≤	
	TJ11	6000	2500	
	TJ12	6000	2500	
	TJ13	6000	2500	
	TJ15	6000	2000	

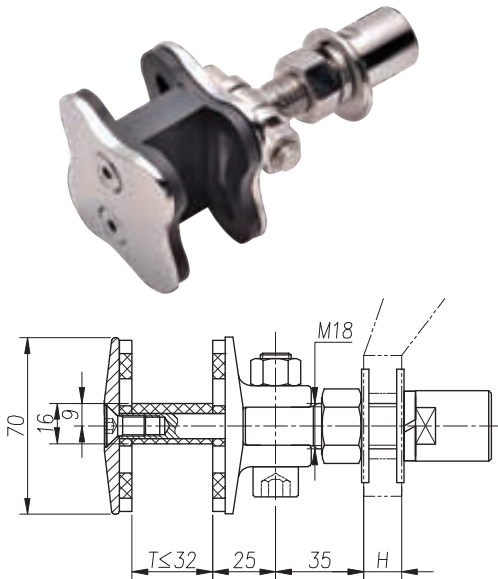


Connector

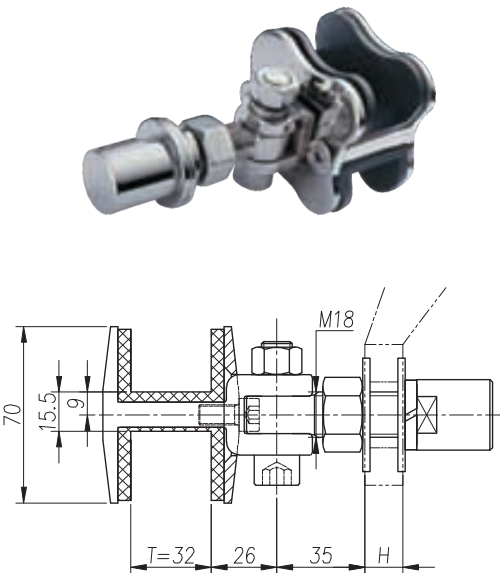
TJ16



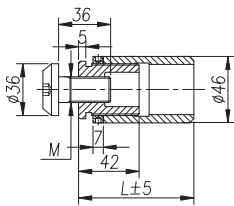
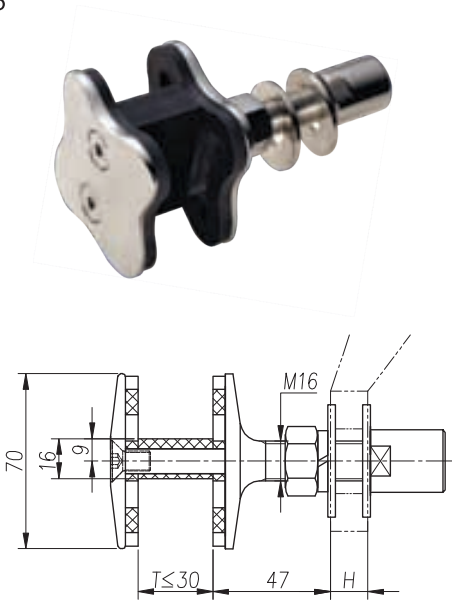
TJ21



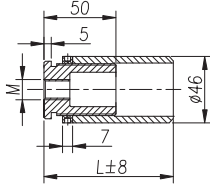
TJ23



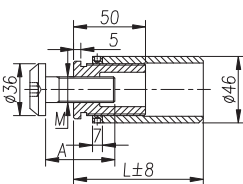
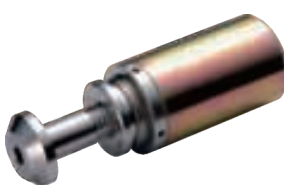
TJ25



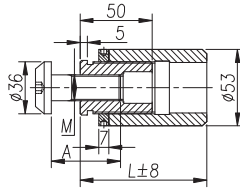
Model	Size	M	L
AZ15		M18	90



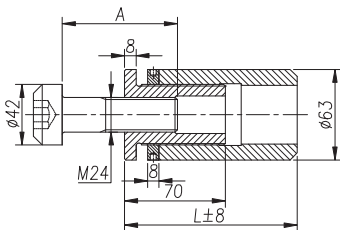
Model	Size	M	L
Z12		M14	90
Z13		M16	90



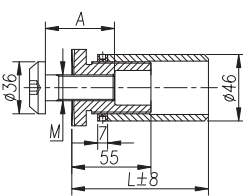
Model	Size	A	M	L
Z15		48	M18	90
Z15L1		69	M18	90
Z16		54	M20	90
Z16L		74	M20	90



Model	Size	A	M	L
Z15(53)		48	M18	90
Z16(53)		54	M20	90



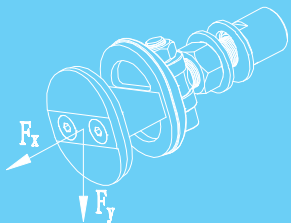
Model	Size	A	L
Z17		80	120
Z17L		100	120



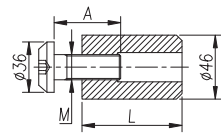
Model	Size	A	M	L
Z25		48	M18	95
Z26		54	M20	95

The Recommended  
Value of Load  
Capacity (N)

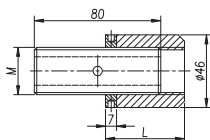
Model	Material: CF8M,CF8	
	F <sub>x</sub> ≤	F <sub>y</sub> ≤
TJ16	6000	2000
TJ21	6000	2500
TJ23	6000	2500
TJ25	6000	2000



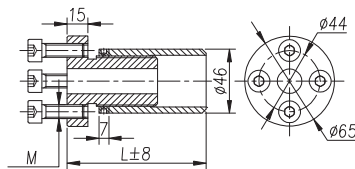
Spider



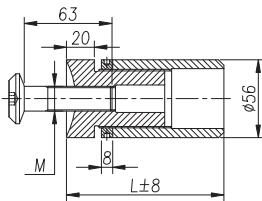
Size Model	A	M	L
Z35	48	M18	72
Z36	54	M20	72



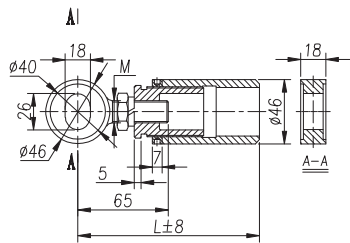
Size Model	M	L
Z38	M30X1.5	50



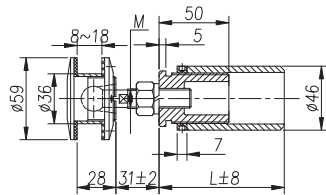
Size Model	M	L
Z45	M10	100



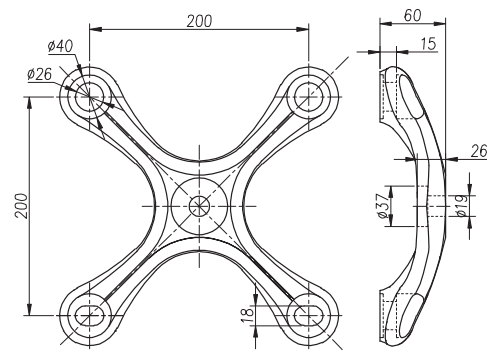
Size Model	M	L
Z51	M18	113



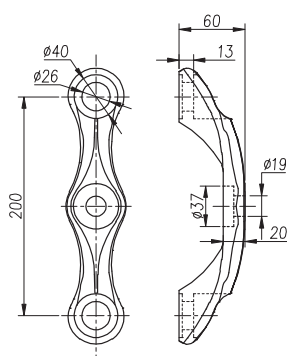
Size Model	M	L
Z65	M16	130



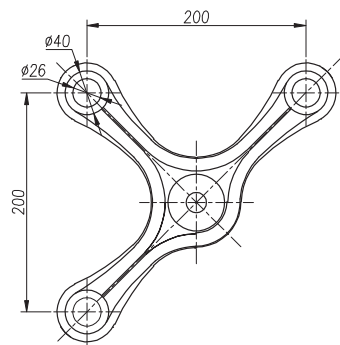
Size Model	M	L
Z66	M14	90



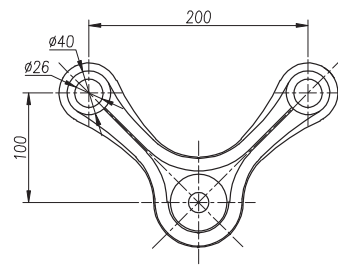
200RA4



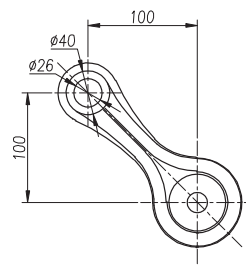
200RA21



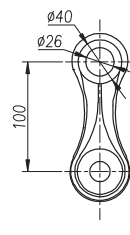
200RA3



200RA2



200RA1

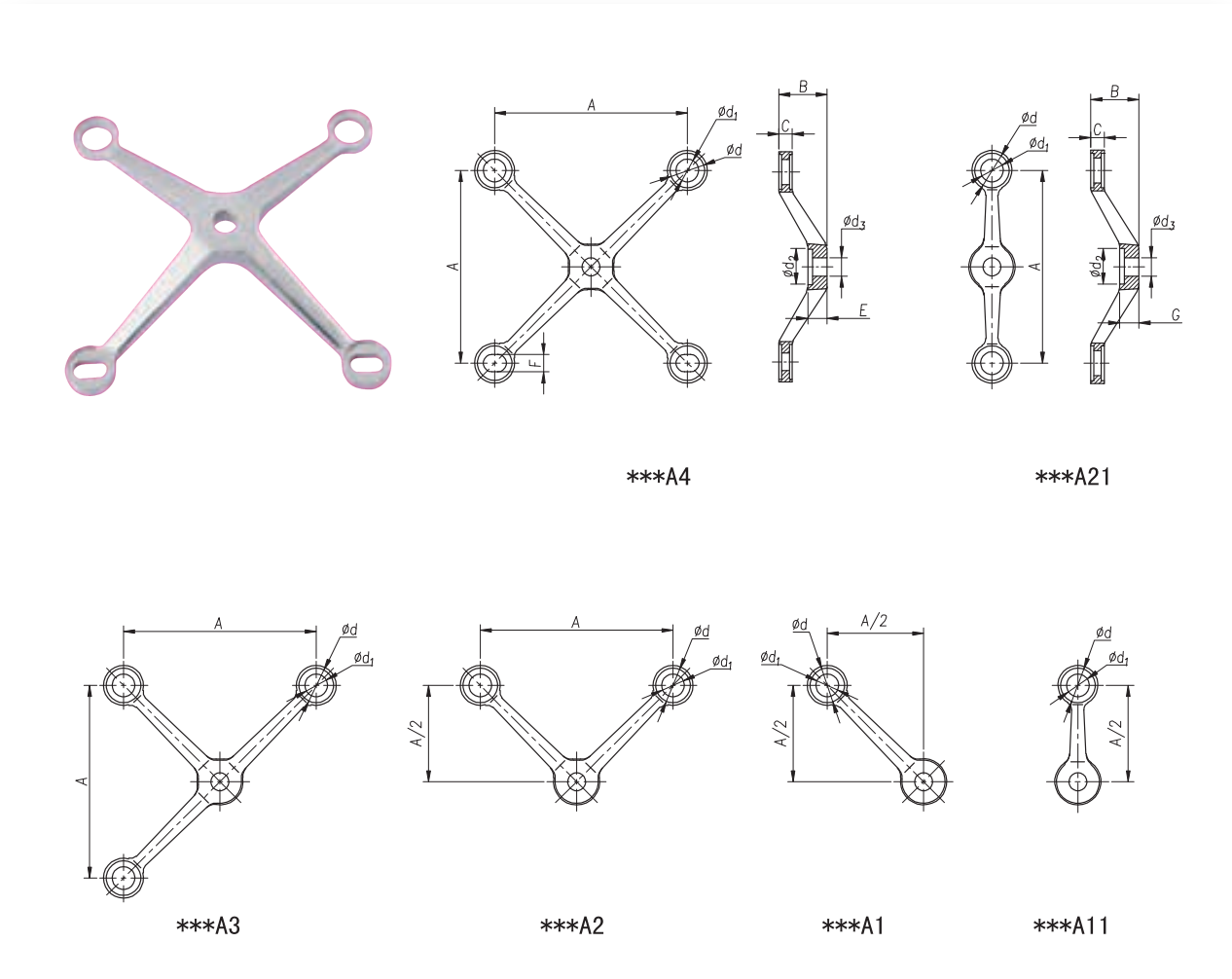


200RA11

The Recommended  
Value of Load  
Capacity (N)

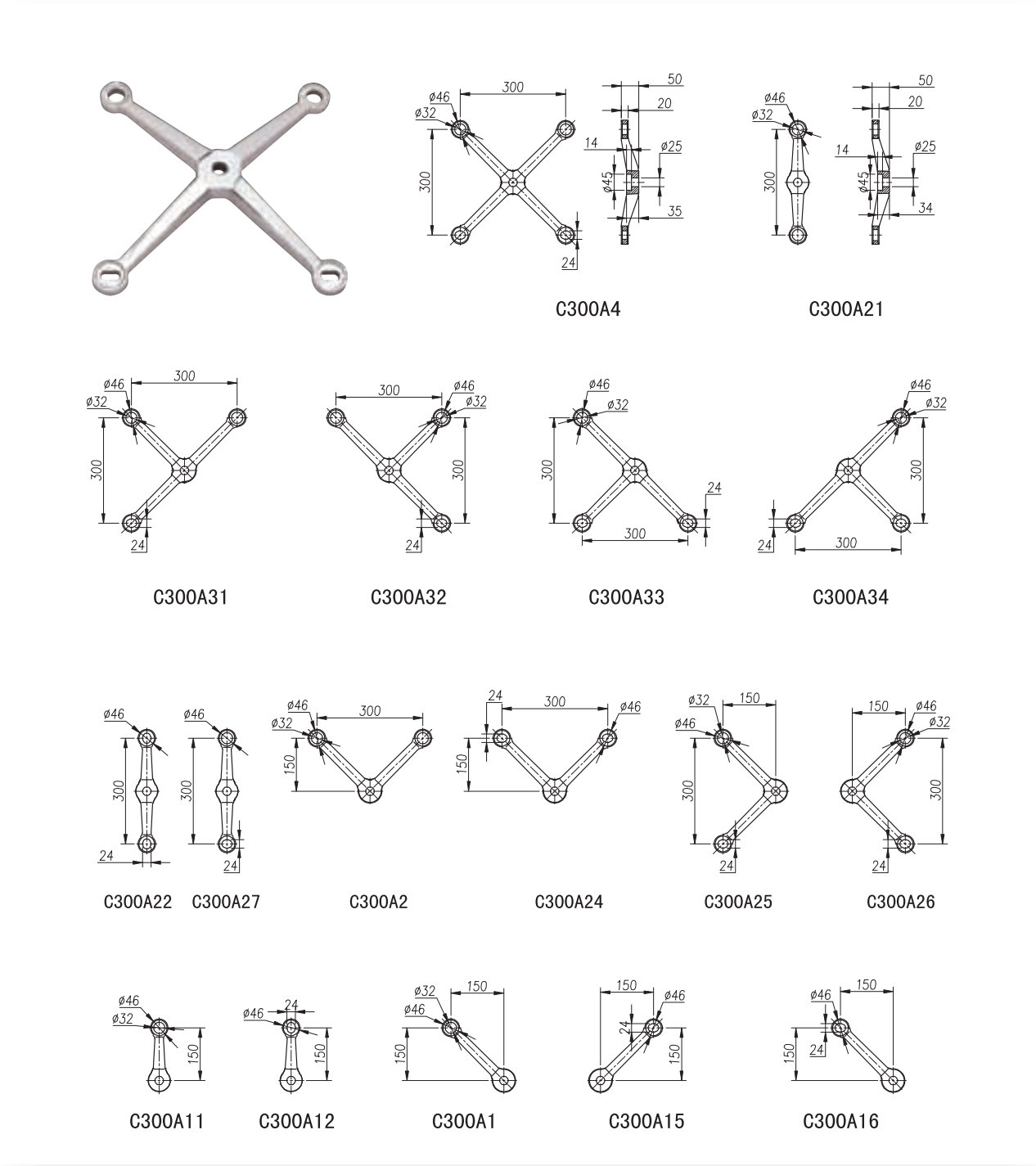
Model	Material: CF8M,CF8		Material: CD3MN	
	Fx ≤	Fy ≤	Fx ≤	Fy ≤
200RA Series	2000	1000	—	—





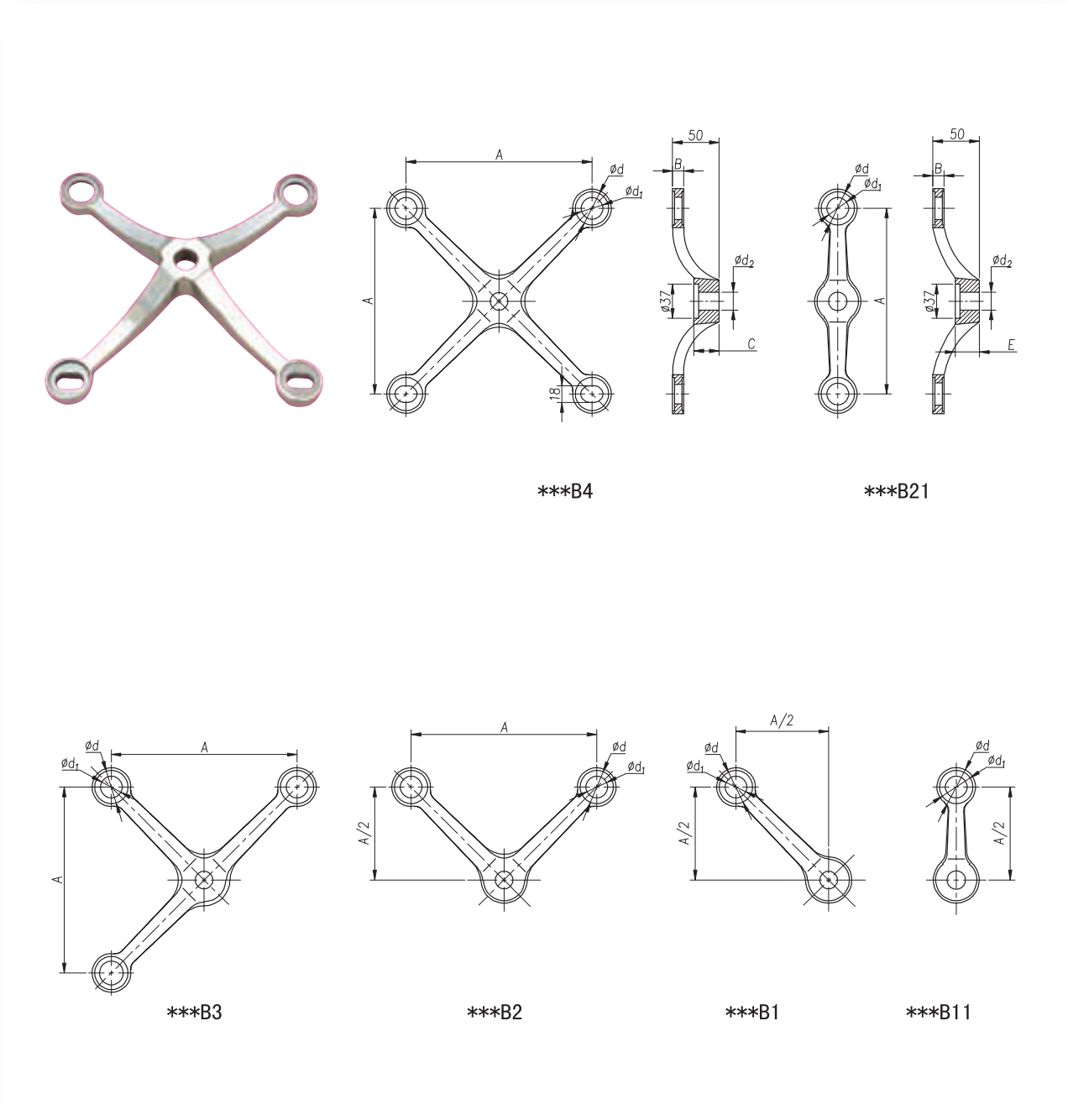
Note: The model of spider consists of series number+ arm code like A160A4, A160A21 and so on.

Size Model	A	B	C	d	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	E	F	G	The Recommended Value of Load Capacity (N)	Material:CF8M,CF8		Material:CD3MN		
												Fx ≤	Fy ≤	Fx ≤	Fy ≤	
A160A Series	160	40	10	26	16	19	13	16	12.5	16		1500	800	—	—	
A200A Series	200	40	12	36	24	37	19	20	18	18		2000	800	—	—	
200A Series	200	50	14	36	24	37	19	20	18	20		2000	1000	2600	1300	
A220A Series	220	50	12	36	26	37	19	21	18	19		2000	1000	—	—	
B220A Series	220	50	10	36	26	37	19	18	18	18		1500	800	—	—	
220A Series	220	50	12	36	26	37	19	23	18	20		2000	1200	2600	1600	
C220A Series	220	50	18	36	26	37	19	28	18	26		4000	2500	—	—	
D220A Series	220	50	20	36	26	37	21	28	20	28		5000	3500	—	—	
A250A Series	250	50	12	40	26	37	19	22	18	20		2000	1200	—	—	
B250A Series	250	50	10	36	26	37	19	20	18	20		1500	800	—	—	
250A Series	250	50	14	40	26	37	19	25	18	22		2500	1500	3300	2000	
C250A Series	250	50	17	40	26	37	19	27	18	27		4000	2500	—	—	
D250A Series	250	50	20	40	26	37	21	30	20	30		5000	3500	—	—	
A300A Series	300	50	16	40	26	37	21	28	18	28		2500	1500	—	—	
300A Series	300	50	18	40	26	37	21	32	18	26		3000	2000	3900	2600	



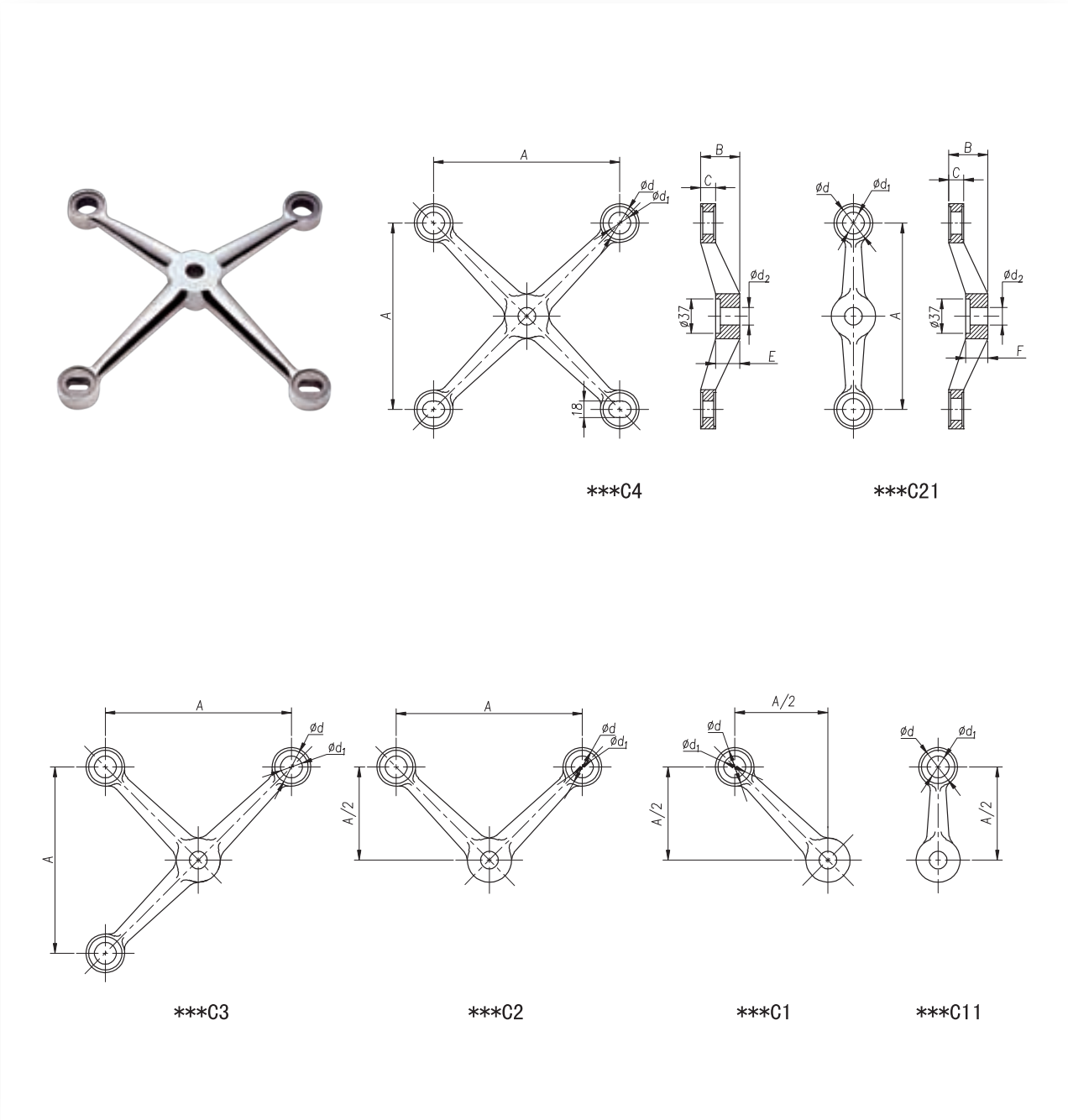
The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	C300A Series	6000	4000	—	—	

Note: When the radial load <3500N, the eccentric washer can meet the requirement of load capacity. When the radial load >3500N, then need to use oblate hole of spider to bear.




Note: The model of spider consists of series number+ arm code like 220B4,220B21 and so on.

Size Model	A	B	C	d	d <sub>1</sub>	d <sub>2</sub>	E	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
									Fx ≤	Fy ≤	Fx ≤	Fy ≤	
200B Series	200	12	27	36	24	19	26		2000	1000	2600	1300	
220B Series	220	13	27	36	24	19	27			1200		1600	
250B Series	250	16	26	40	26	19	24		2500	1500	3300	2000	
300B Series	300	18	32	40	26	21	26		3000	2000	3900	2600	

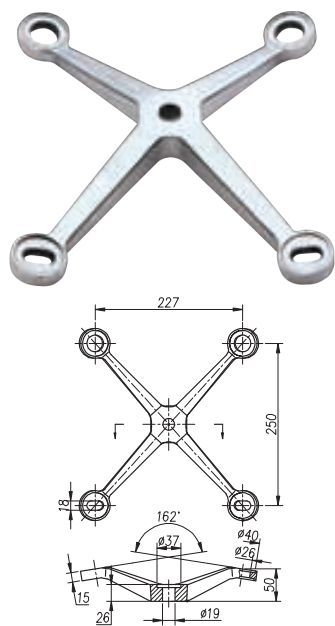


Note: The model of spider consists of series number+ arm code like 250C4,250C21 and so on.

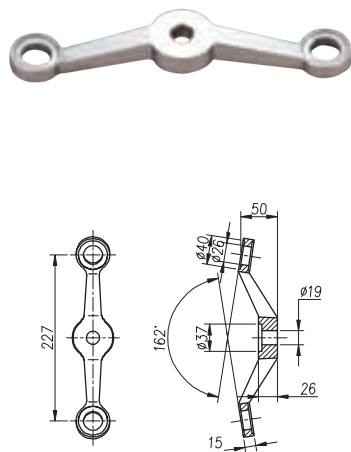
Size Model	A	B	C	d	d <sub>1</sub>	d <sub>2</sub>	E	F	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
	Fx ≤	Fy ≤	Fx ≤	Fy ≤										
200C Series	200	42	16	36	24	19	26	24		2000	1000	2600	1300	
250C Series	250	50	18	40	26	19	32	26		2500	1500	3300	2000	
300C Series	300	50	20	40	26	21	38	32		3000	2000	3900	2600	



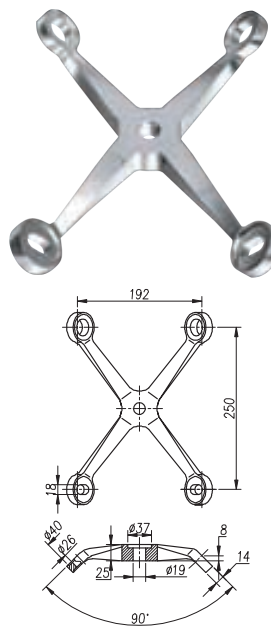
250AA4



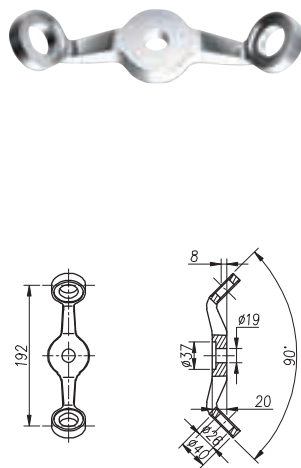
250AA21



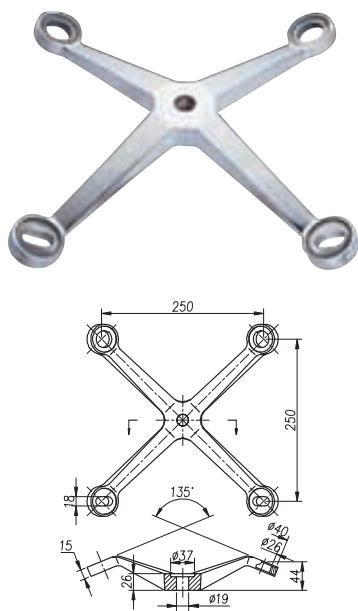
250AC4



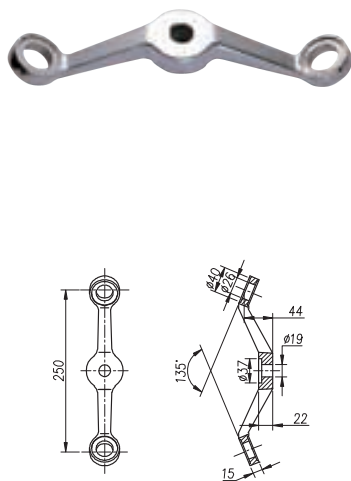
250AC21



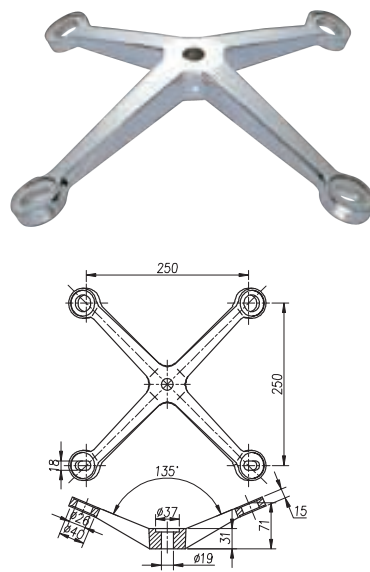
250AB4



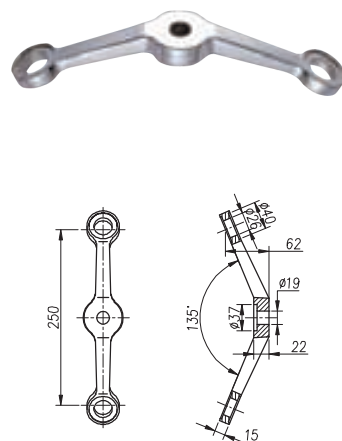
250AB21



250AD4



250AD21



The Recommended  
Value of Load  
Capacity (N)

Model

Material: CF8M,CF8

Material: CD3MN

Fx ≤

Fy ≤

Fx ≤

Fy ≤

250AA4

250AA21

250AB4

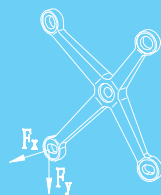
250AB21

2500

1500

3300

2000



The Recommended  
Value of Load  
Capacity (N)

Model

Material: CF8M,CF8

Material: CD3MN

Fx ≤

Fy ≤

Fx ≤

Fy ≤

250AC4

250AC21

250AD4

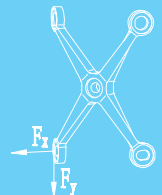
250AD21

2500

1500

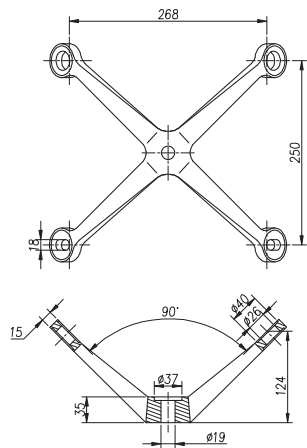
3300

2000

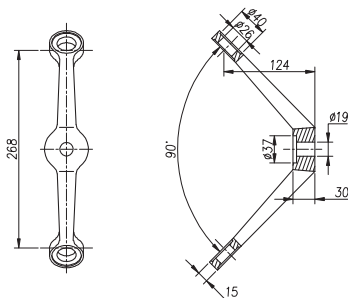




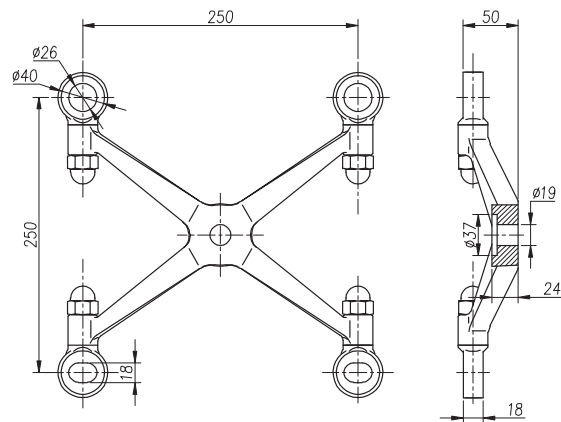
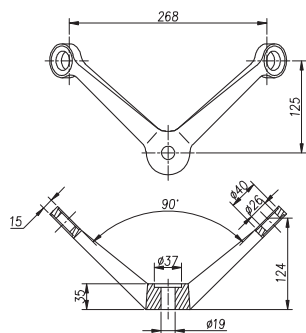
250AE4



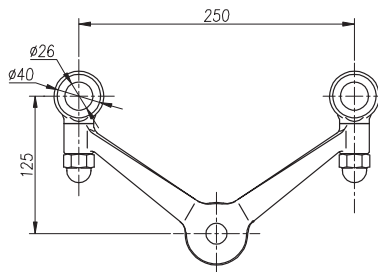
250AE21



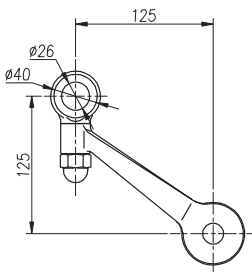
250AE2



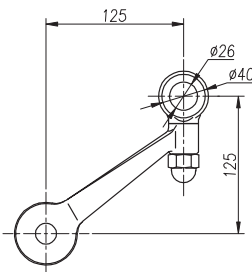
250K4



250K2




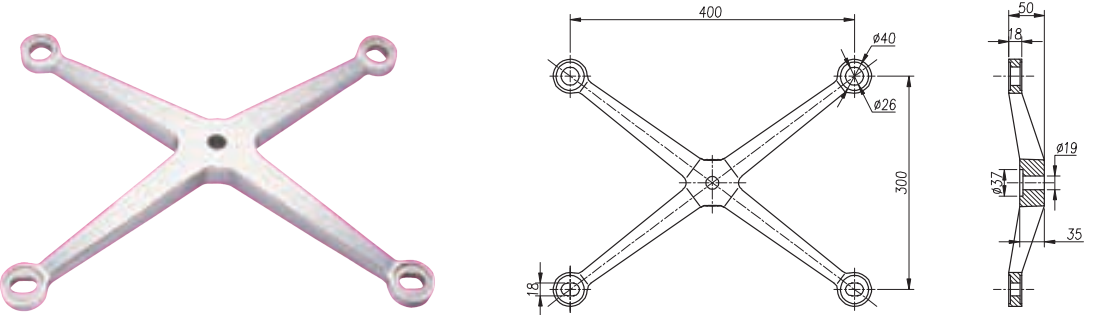
250K1



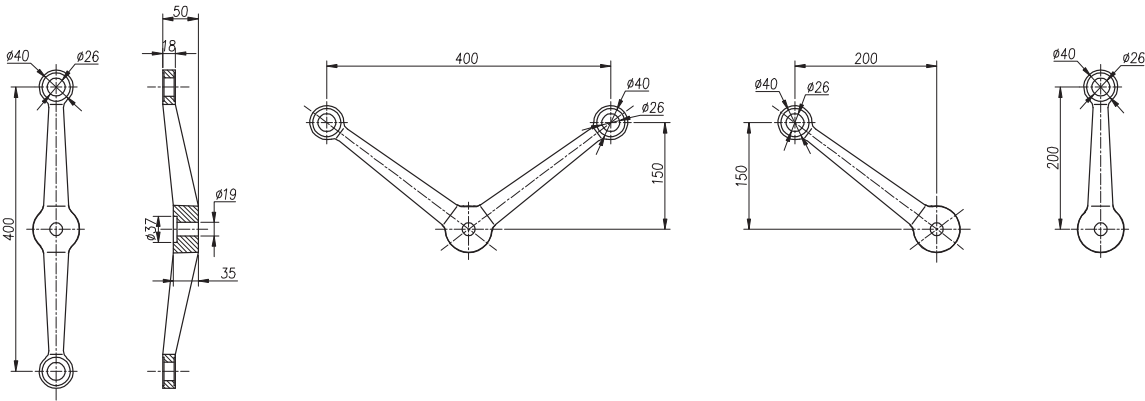
250K12

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	250AE4	2500	1500	3300	2000	
	250AE21					
	250AE2					

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	250K Series	2500	1500	3300	2000	



3040B4

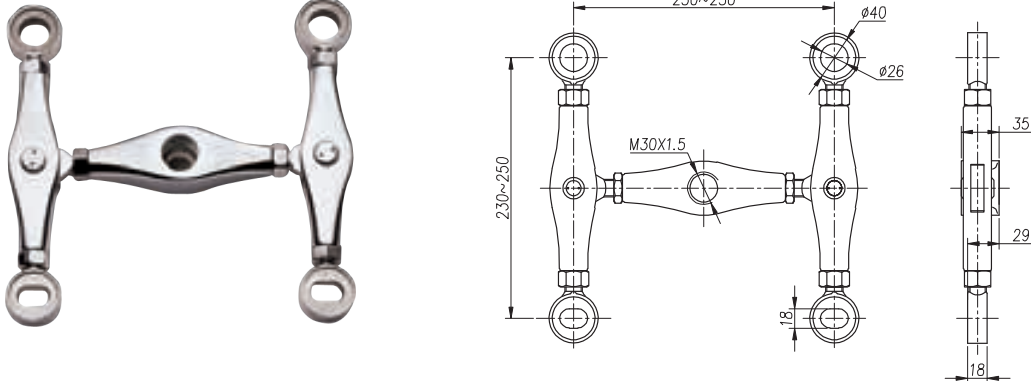


3040B21

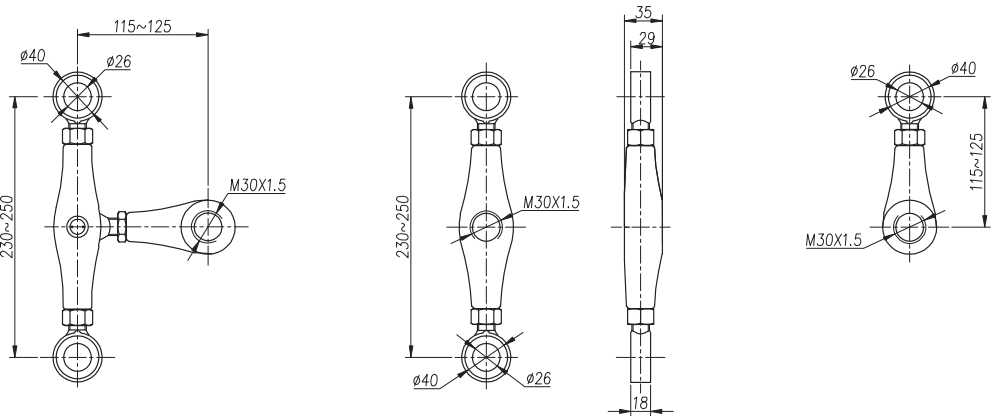
3040B2

3040B1

3040B11



250HA4



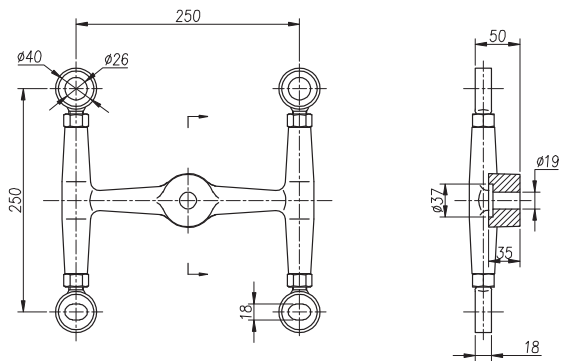
250HA25

250HA21

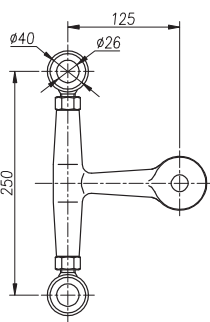
250HA11

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	3040B Series	4000	2000	5000	2600	

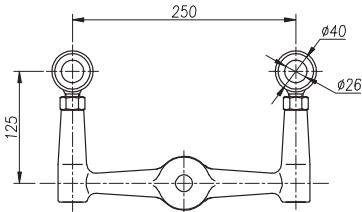
The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	250HA Series	2500	1500	3300	2000	



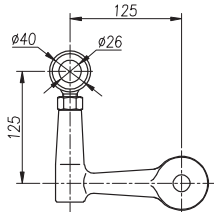
250HE4



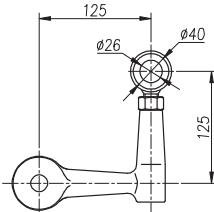
250HE25



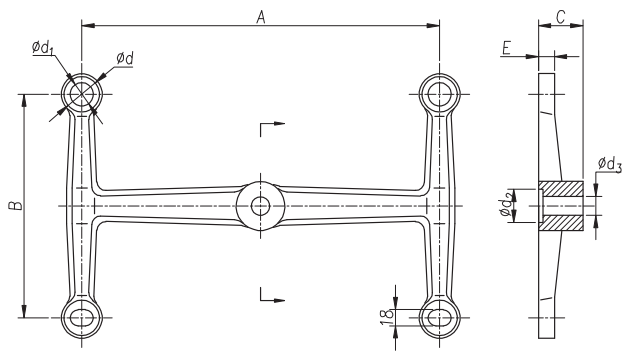
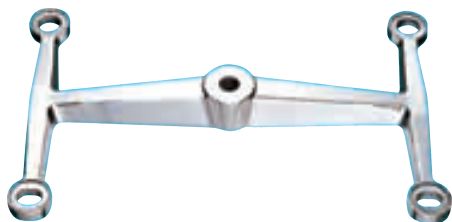
250HE2



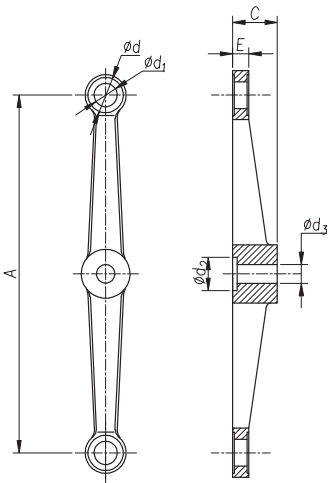
250HE1



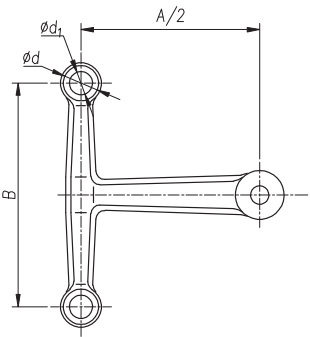
250HE12



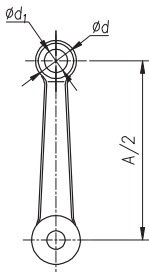
\*\*\*4



\*\*\*21




\*\*\*25

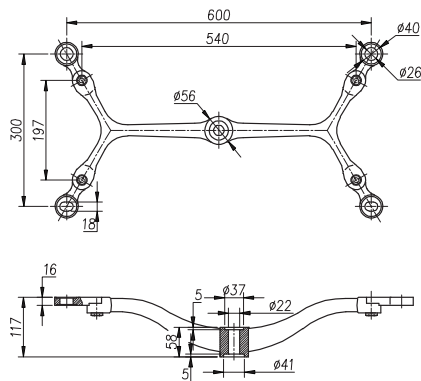


\*\*\*11

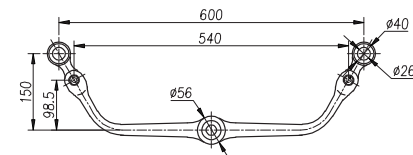
Note: The model of spider consists of series number+ arm code like 2540HA4、2540HA21 and so on.

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	250HE Series	2500	1500	3300	2000	

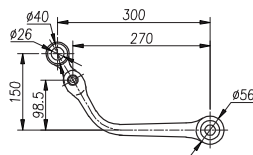
Size Model	A	B	C	d	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	E	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
										Fx ≤	Fy ≤	Fx ≤	Fy ≤	
A3060H Series	600	300	40	40	26	37	19	16		4000	1800	—	—	
2540HA Series	400	250	50	40	26	37	21	18		6500	2000	8000	2600	
3060HA Series	600	300	60	46	30	45	25	18			2500		3200	
4080HA Series	800	400	80	50	32	45	25	20			3500		4500	



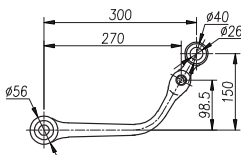
3060A4



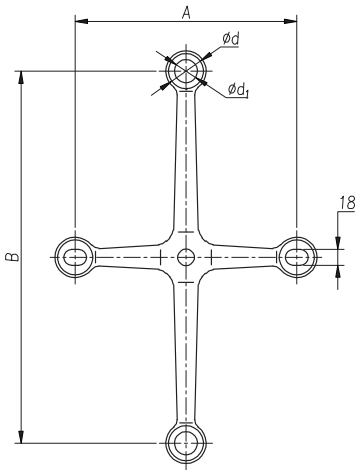
3060A2



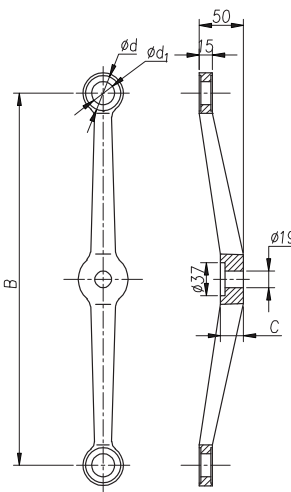
3060A1



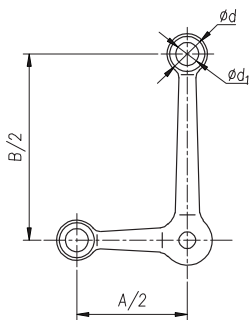
3060A12



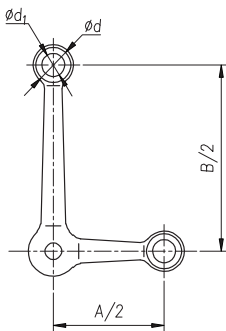
\*\*\*TA4



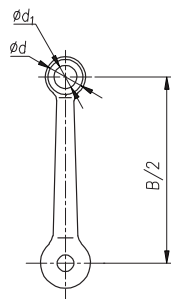
\*\*\*TA21



\*\*\*TA23



\*\*\*TA24

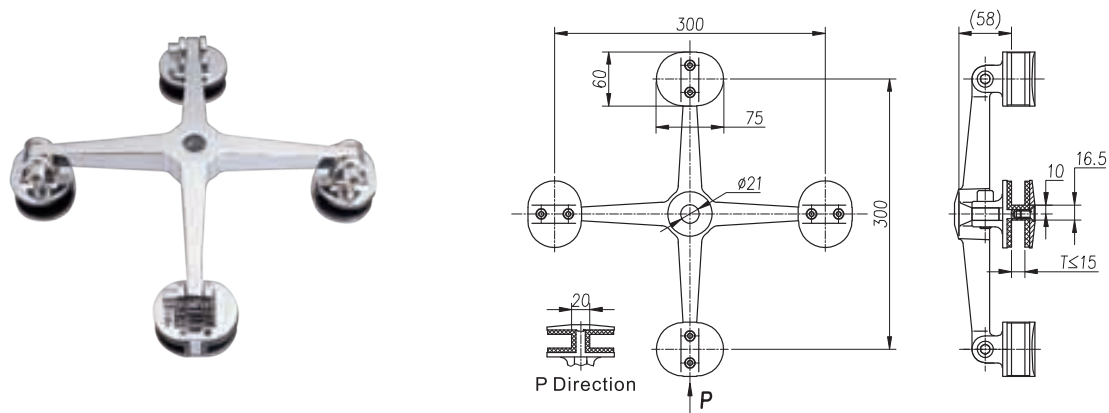


\*\*\*TA11

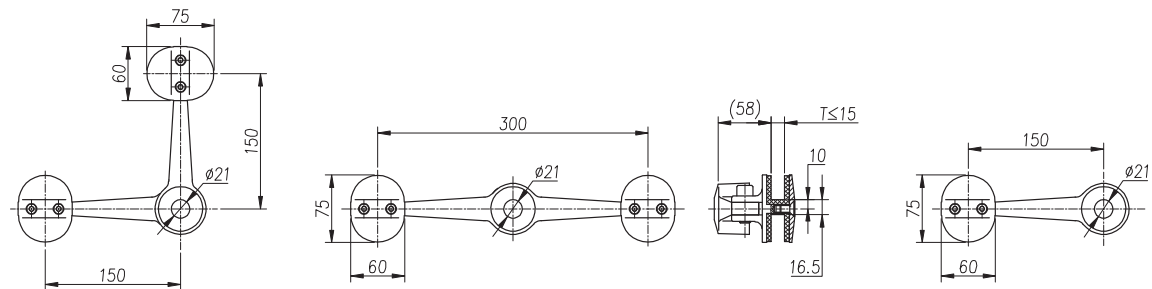
Note: The model of spider consists of series number+ arm code like 2542TA4, 2542TA21 and so on.

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	3060A Series	3500	1500	4500	2000	

Size Model	A	B	C	d	d <sub>i</sub>	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
							Fx ≤	Fy ≤	Fx ≤	Fy ≤	
							4000	2000	5000	2600	
							3000		3900		
2542TA Series	250	420	26	40	26						
3060TA Series	300	600	30	36	26						



J3030T4

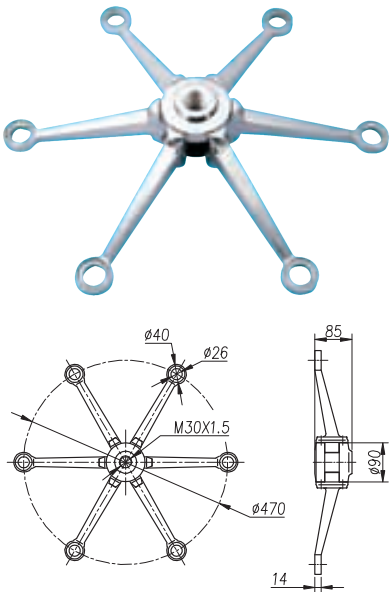


J3030T23

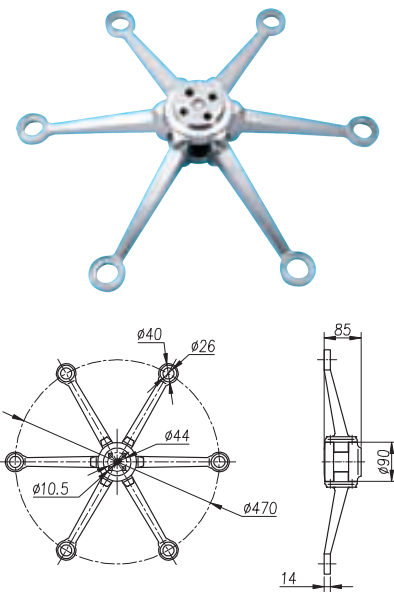
J3030T21

J3030T11

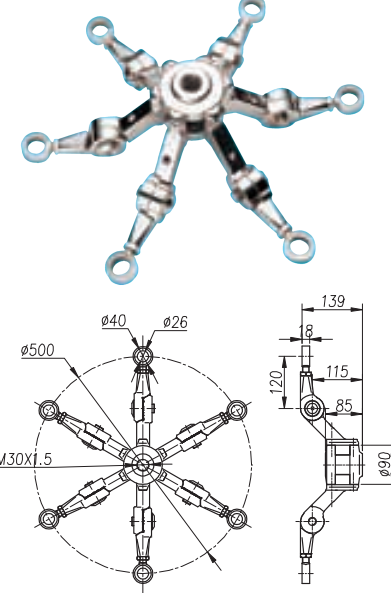
4706K



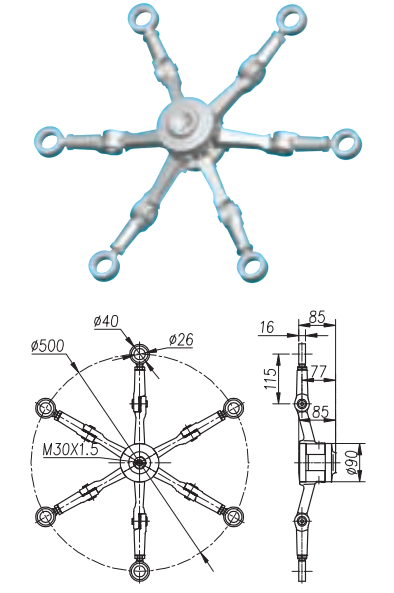
4706G




5006K



A5006K

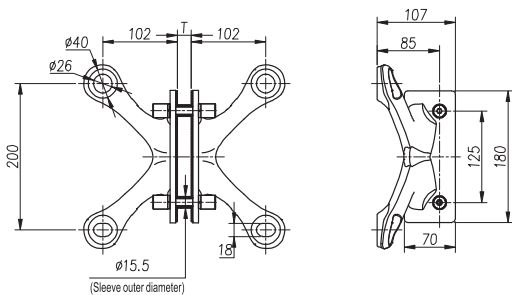


The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	J3030T Series	5000	2000	6500	2600	

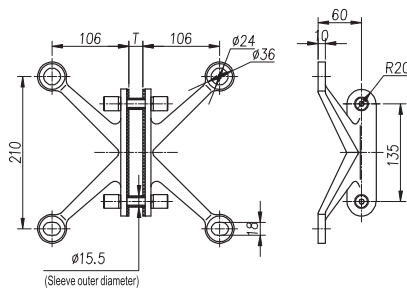
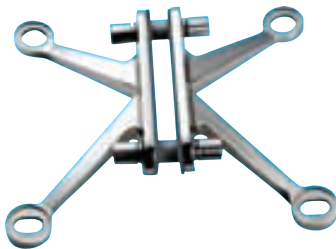
The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN			
		Fx ≤	Fy ≤	Fx ≤	Fy ≤		
	4706K	4000	2000	5000	2600		
	4706G			4500			
	5006K	3800	1000		1300		
	A5006K	1500	2000				



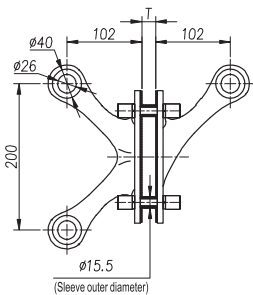
Fin Spider



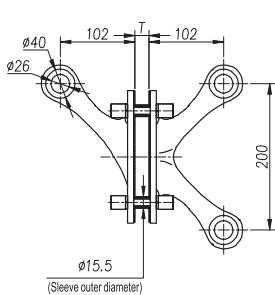
L200RA4



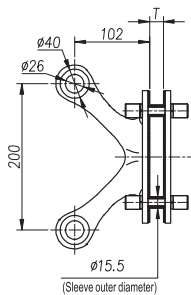
L210A4



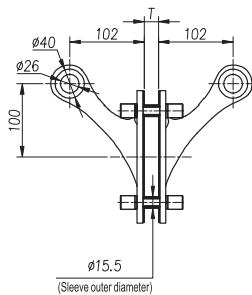
L200RA31



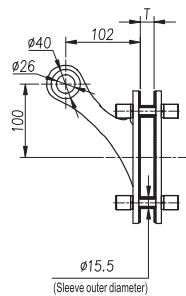
L200RA32



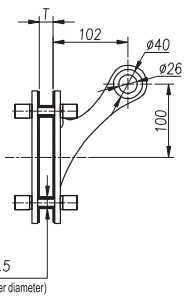
L200RA25



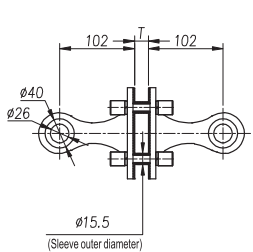
L200RA2



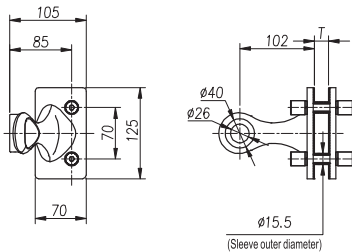
L200RA1



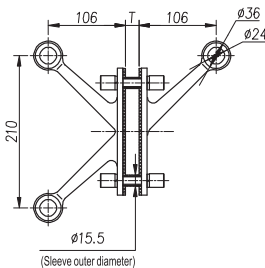
L200RA12



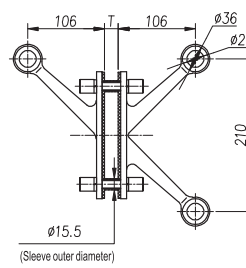
L200RA21



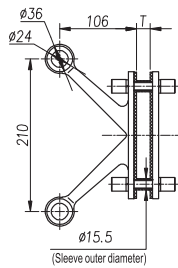
L200RA11



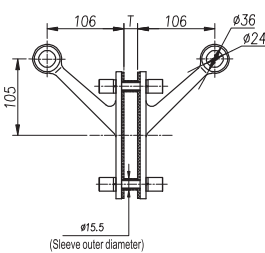
L210A31



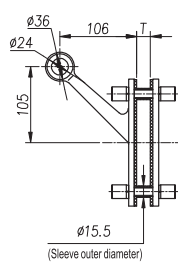
L210A32



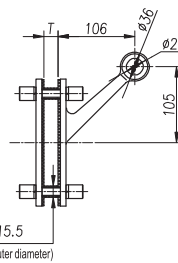
L210A25



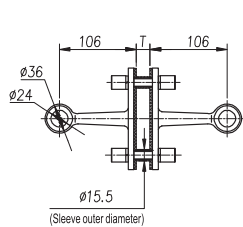
L210A2



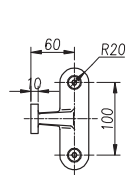
L210A1



L210A12



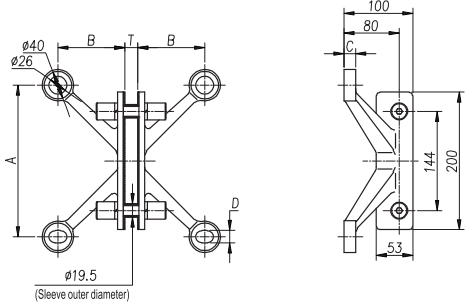
L210A21



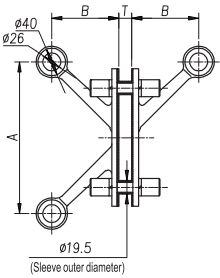
L210A11

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	L200RA Series	2000	1000	—	—	

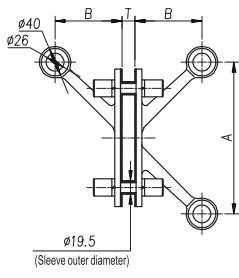
The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	L210A Series	2000	1000	2600	1300	



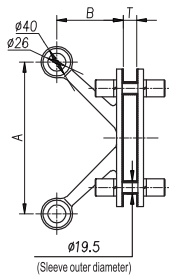
\*\*\*A4



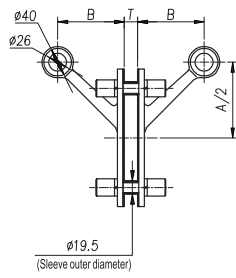
\*\*\*A31



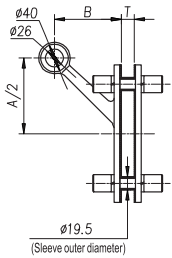
\*\*\*A32



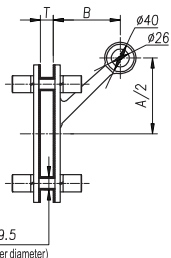
\*\*\*A25



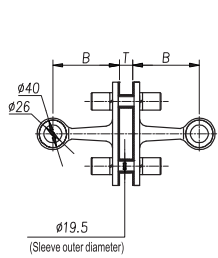
\*\*\*A2



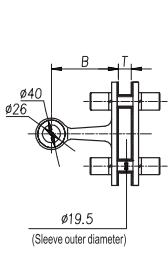
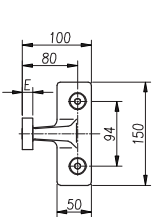
\*\*\*A1



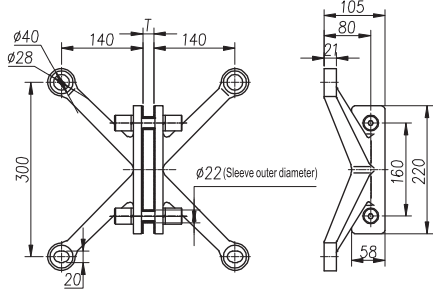
\*\*\*A12



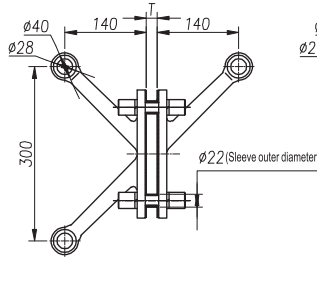
\*\*\*A21



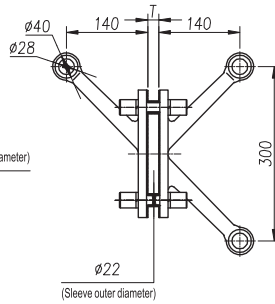
\*\*\*A11



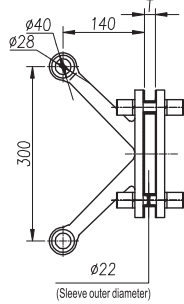
CL300A4



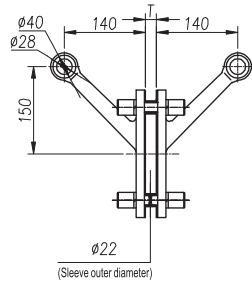
CL300A31



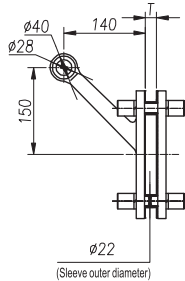
CL300A32



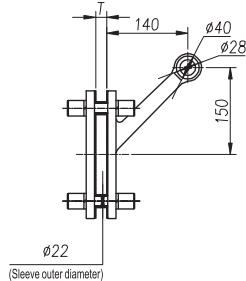
CL300A25



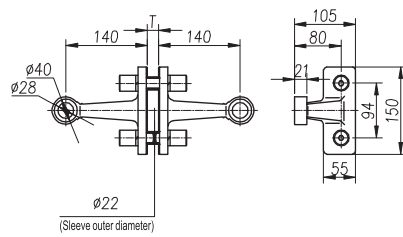
CL300A2



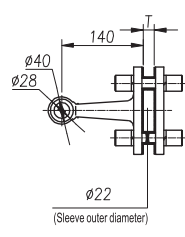
CL300A1



CL300A12



CL300A21

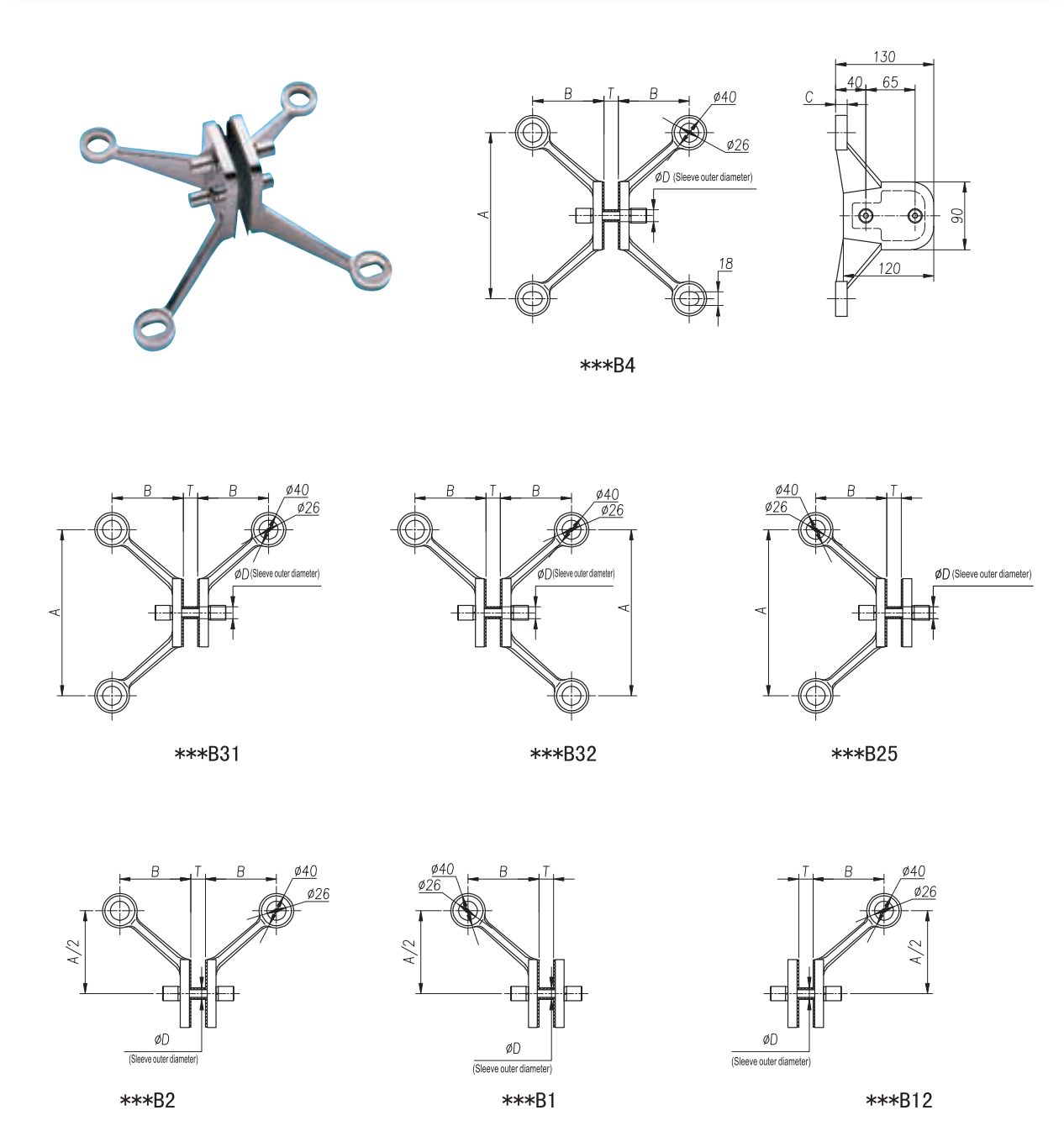


CL300A11

Note: The model of spider consists of series number+ arm code like L220A4,L220A21 and so on.

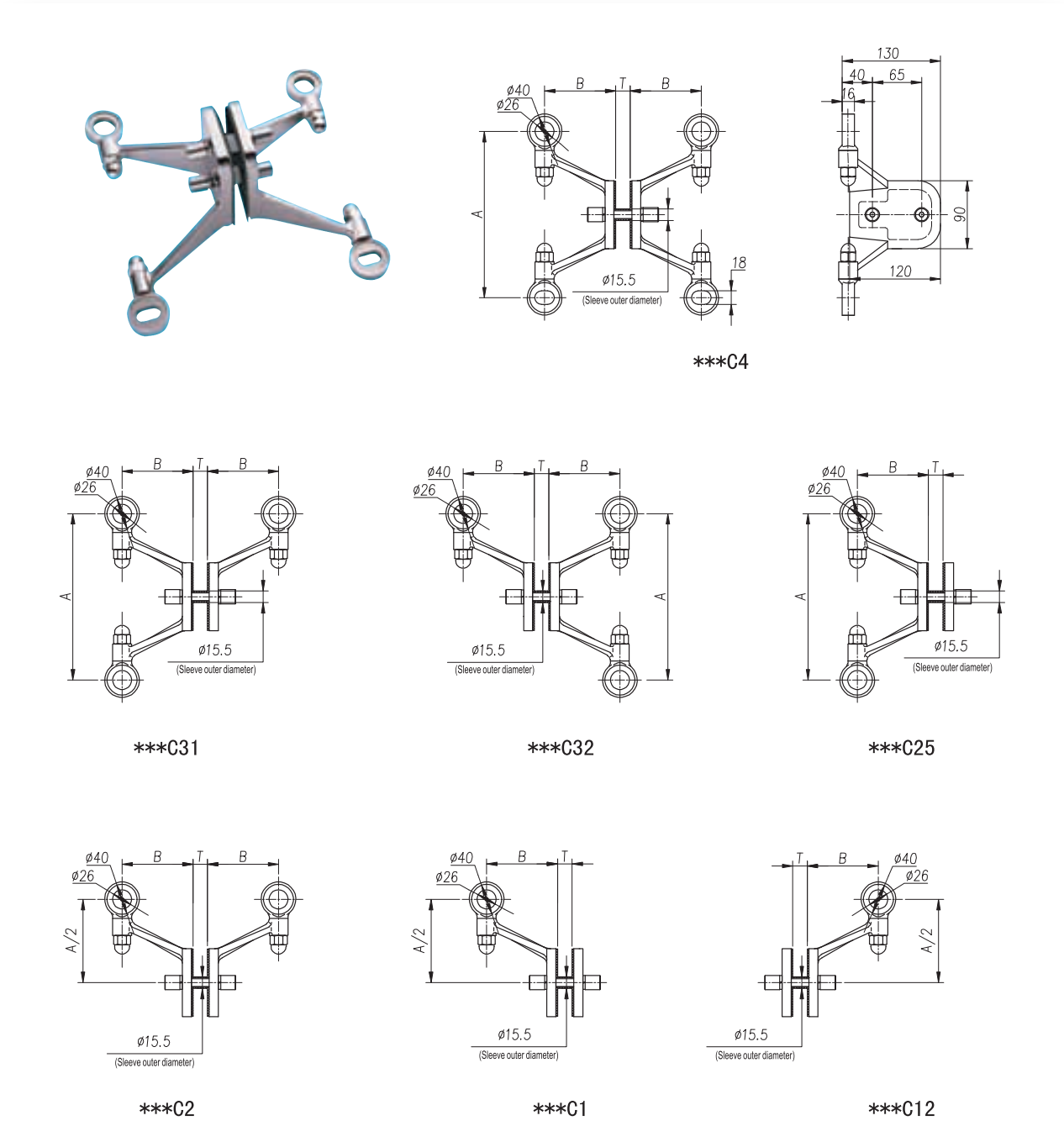
Size Model	A	B	C	D	E	T	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
								Fx ≤	Fy ≤	Fx ≤	Fy ≤	
L220A Series	220	97	17	18	15	—		2500	1500	3300	2000	
L250A Series	250	119	17	18	15	—		4000	2500	—	—	
CL220A Series	220	97	18	18	18	—		5000	3500	—	—	
CL250A Series	250	119	18	18	18	—						
DL220A Series	220	97	19	20	19	—						
DL250 Series	250	119	19	20	19	—						

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	CL300A Series	5000	3500	—	—	



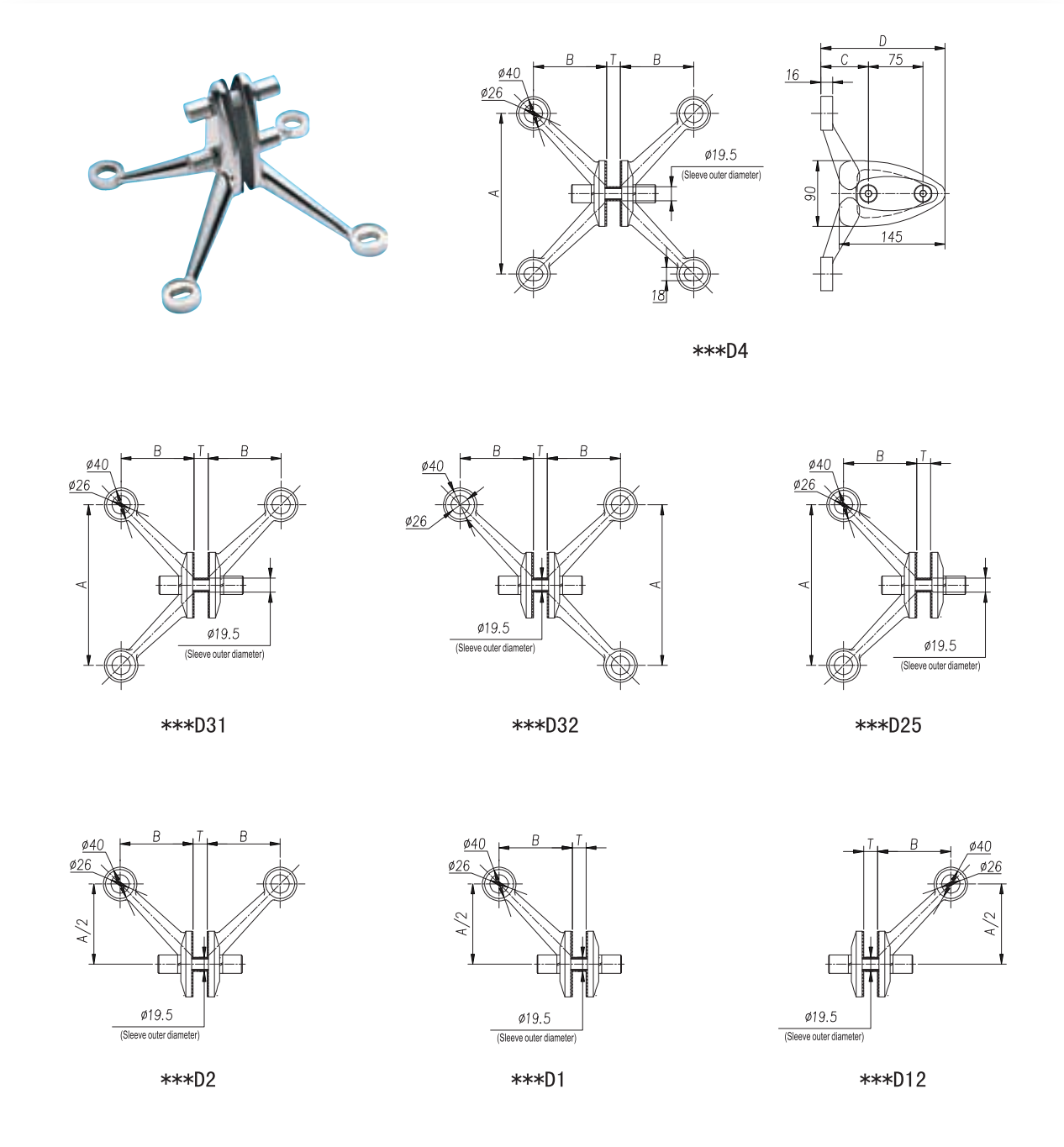
Note: The model of spider consists of series number+ arm code like L250B4,L250B25 and so on.

Size Model	A	B	C	D	T	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
							Fx ≤	Fy ≤	Fx ≤	Fy ≤	
L220B Series	220	94	15	15.5	—		2500	1500	3300	2000	
L250B Series	250	115	15	15.5	—		4000	2500	—	—	



Note: The model of spider consists of series number+ arm code like L250C4,L250C25 and so on.

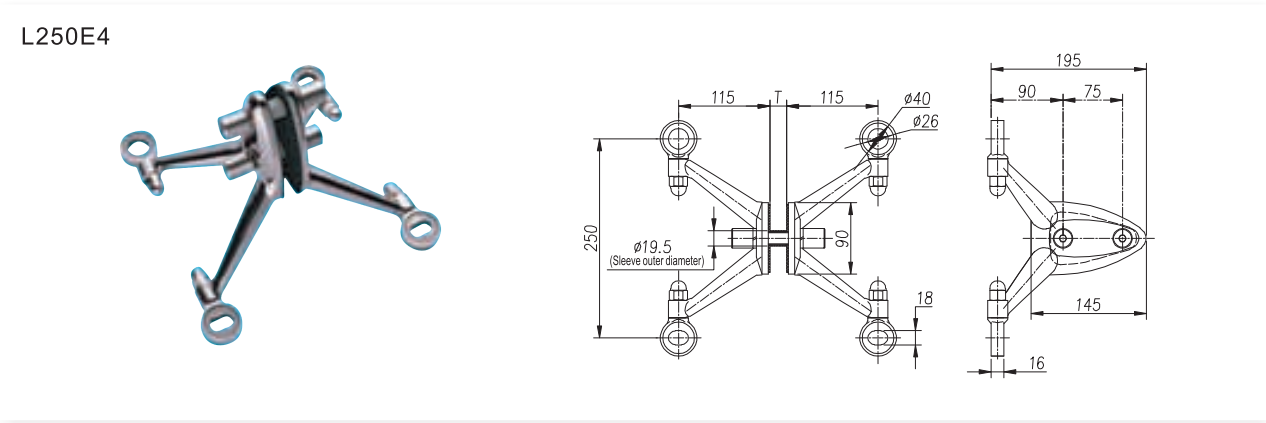
Size Model	A	B	T	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
					Fx ≤	Fy ≤	Fx ≤	Fy ≤	
L220C Series	220	94	—		2500	1500	3300	2000	
L250C Series	250	115	—		—	—	—	—	



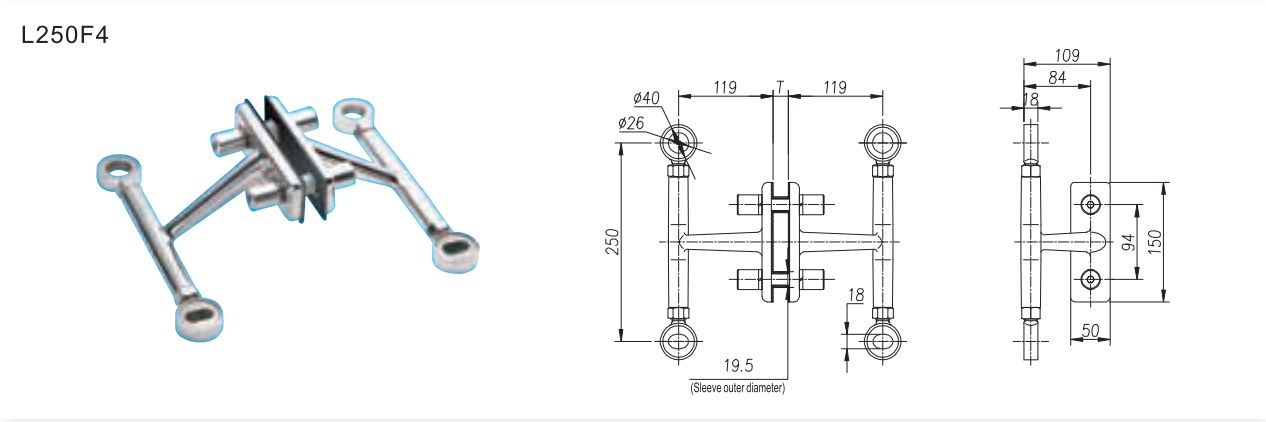
Note: The model of spider consists of series number+ arm code, like L250D4, L250D25 and so on.

Size Model	A	B	C	D	T	The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		Material: CD3MN		
							Fx ≤	Fy ≤	Fx ≤	Fy ≤	
L220D Series	220	100	65	170	—		2500	1500	3300	2000	
L250D Series	250	115	90	195	—						

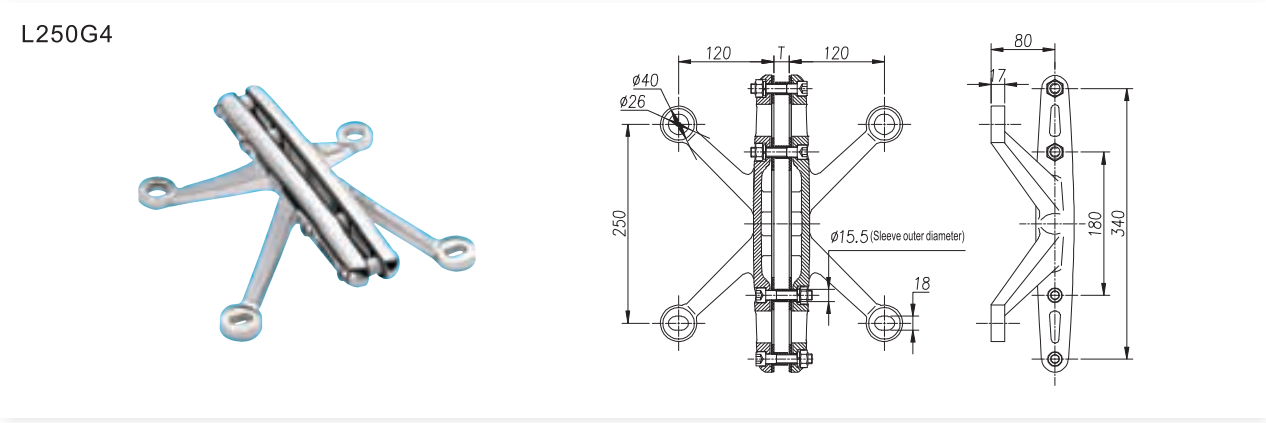
L250E4




L250F4



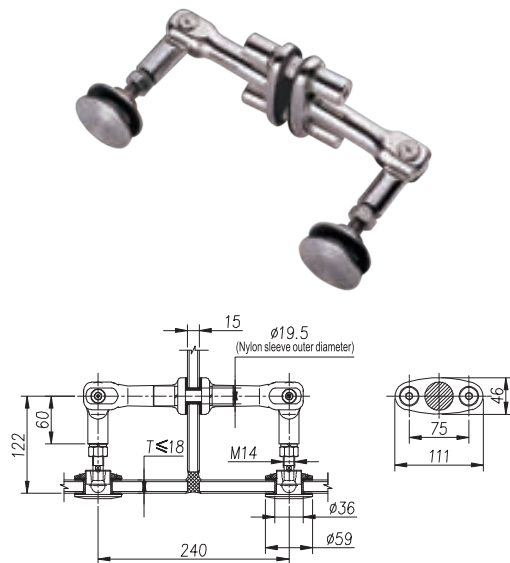
L250G4



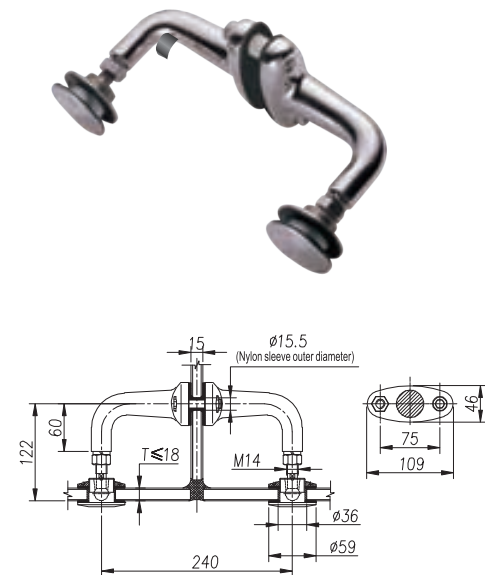
Note: The model of spider consists of series number+ arm code, like L250E4, L250E25, L250F4, L250G4 and so on.

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	L250E Series	2500	1500	3300	2000	
	L250F Series					
	L250G Series					

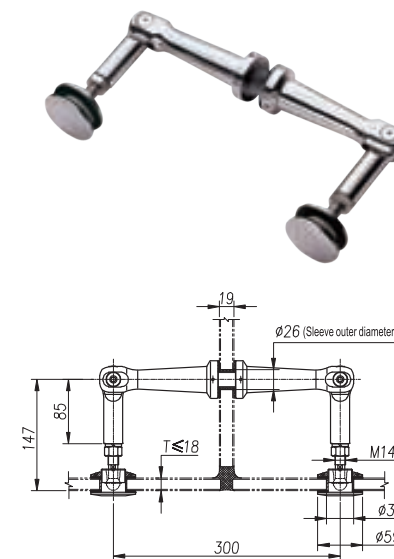
L240B



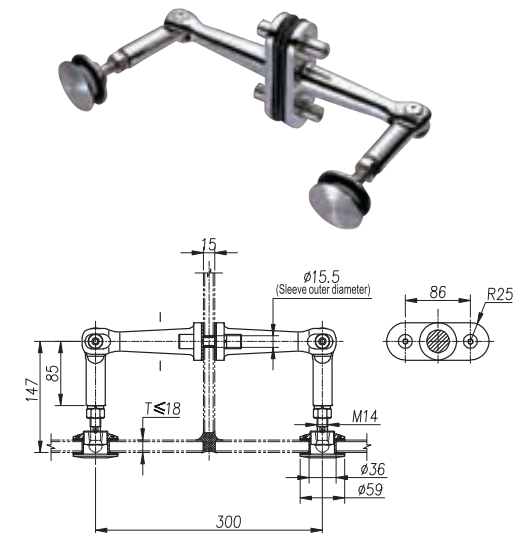
L240D



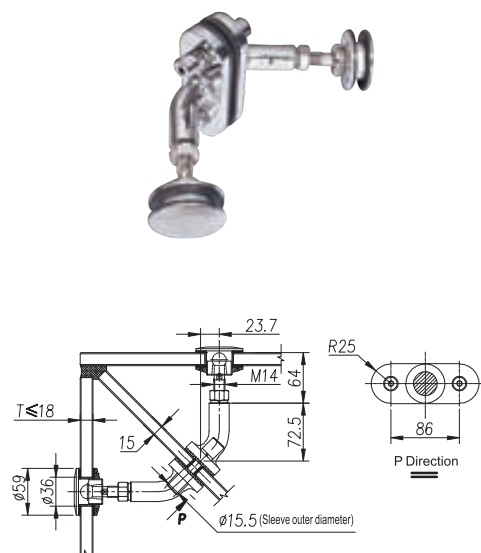
L300A



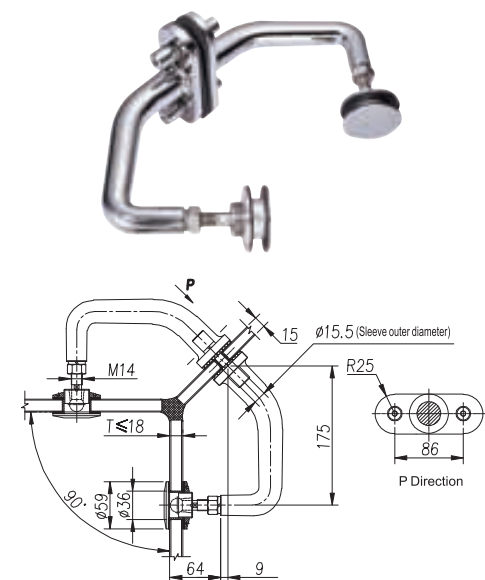
L300B



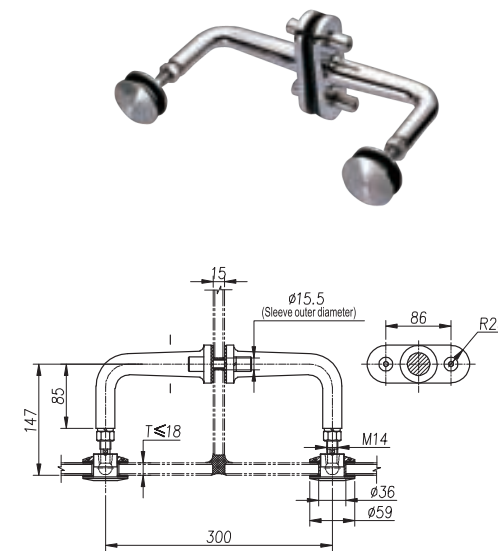
L300CY



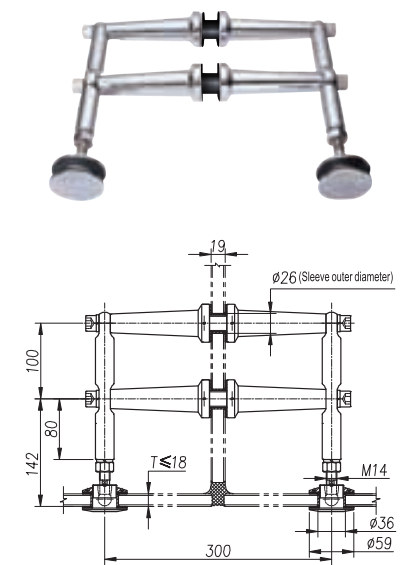
L300CN





L300C



L300D



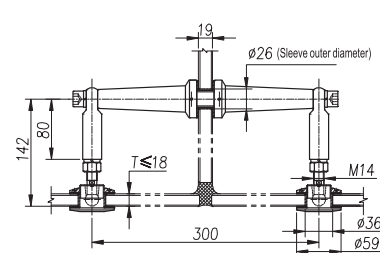
The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	L240B	3500	1000	4500	1300	
	L240D					
	L300CY	3000	1500	3900	2000	
	L300CN					

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	L300A	3000	—	3900	—	
	L300B		1500		2000	
	L300C					
	L300D					

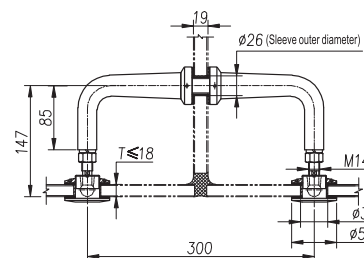


## Cable Spider

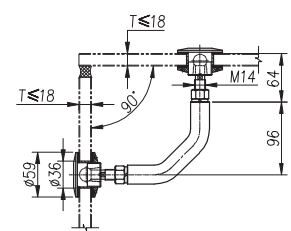
L300E



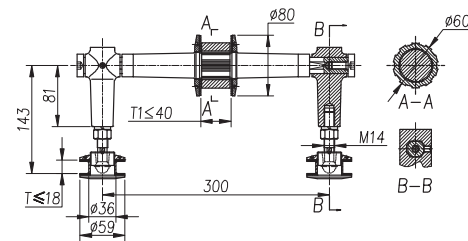
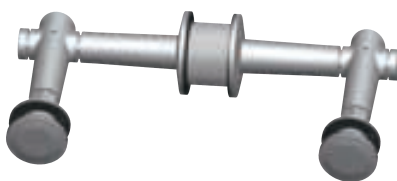
L300F




L300FY

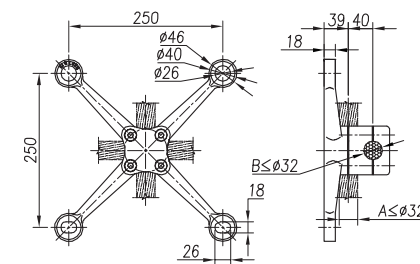


L300G

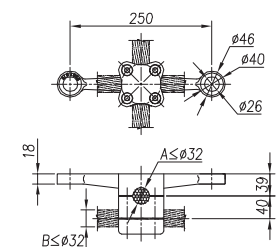


The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	L300E	3000	—	3900	—	
	L300F		—		—	
	L300FY		—		—	
	L300G		1500		2000	

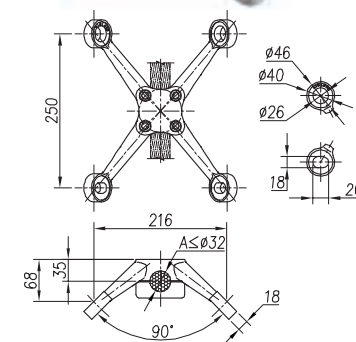
S250C4



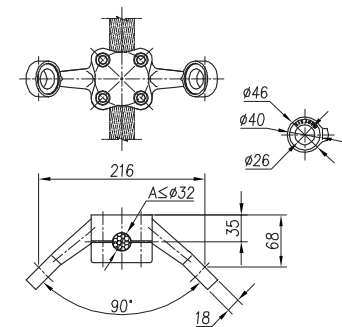
S250C21




S250CC4



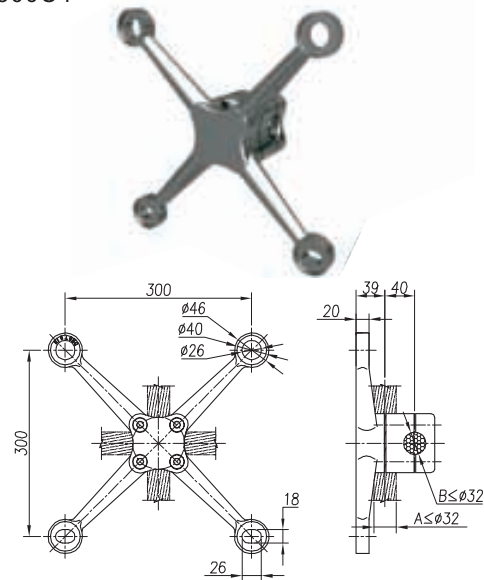
S250CC21



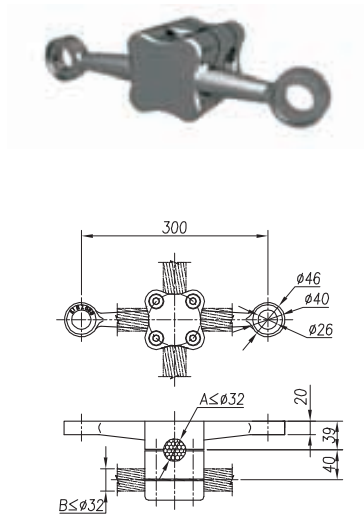
The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	S250C Series	2500	1500	3300	2000	
	S250CC Series					

Clamp Introduction for Curved Glass

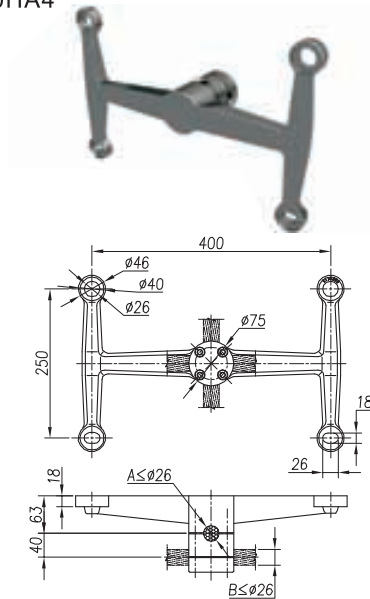
S300C4



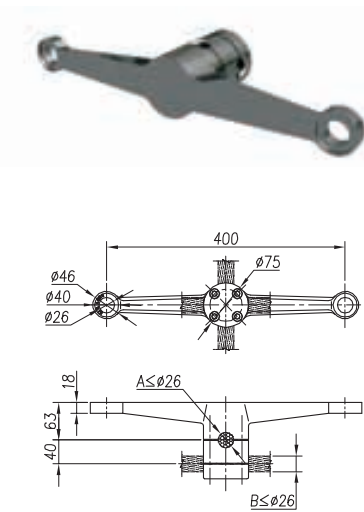
S300C21



S2540HA4



S2540HA21



Clamp for Curved Glass



Advantages of Clamp for Curved Glass

- 1.The clamp apply spherical hinge for one side while note hinge for the other side to clamp the glass panel, which can meet the requirement of different angles adjustment and also is easy for construction and installation.
- 2.According to the project requirement, it can add or reduce the quantity of spherical hinge and rib plates to make it easy for more than one glass panels installation.
- 3.Clamp body and bottom base are connected by ball stud, which can adjust the clamp angle error.
- 4.Clamp bottom base and steel structure are connected by tooth form, which can adjust clamp location error.

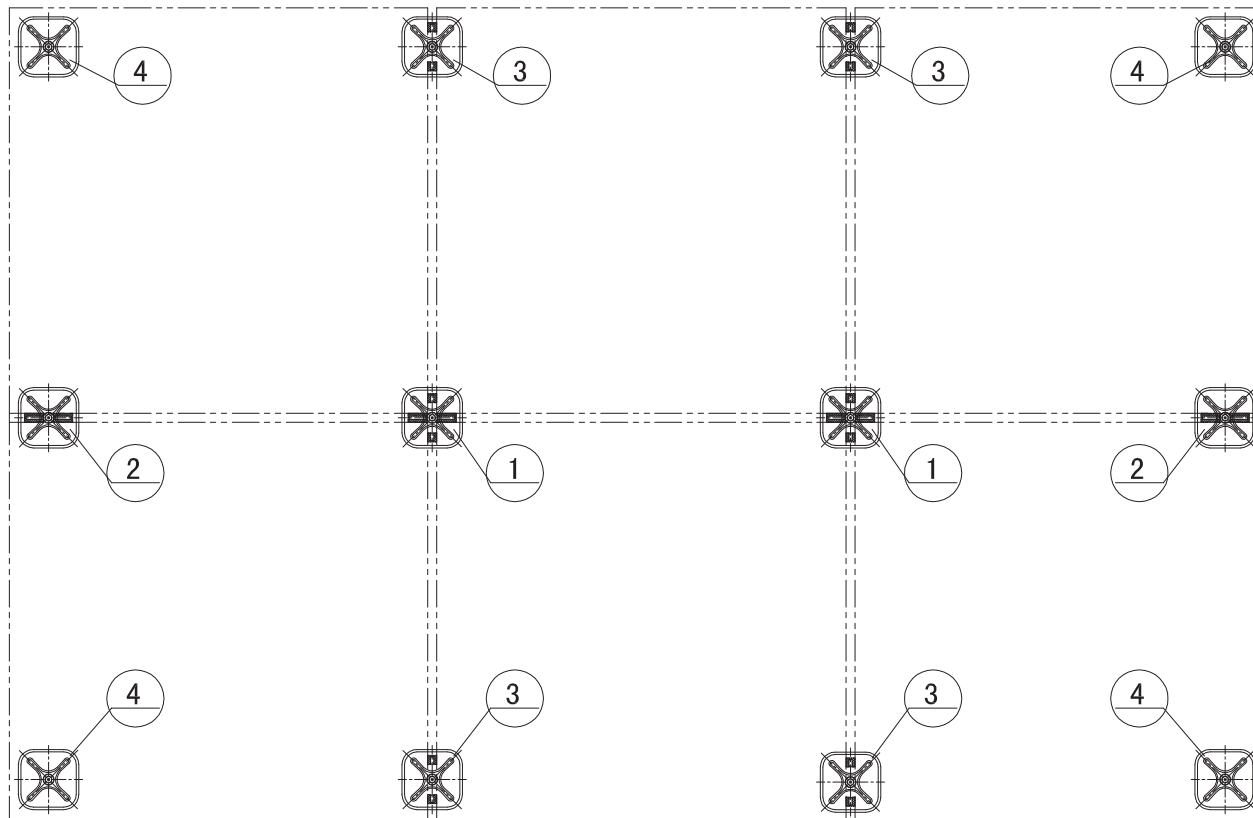
Qingdao World Horticultural Exposition



The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		Material: CD3MN		
		Fx ≤	Fy ≤	Fx ≤	Fy ≤	
	S300C Series	3000	2000	3900	2600	
	S2540HA Series	6500	2000	8000	2600	



## Clamp Naming Definition

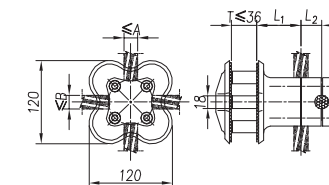
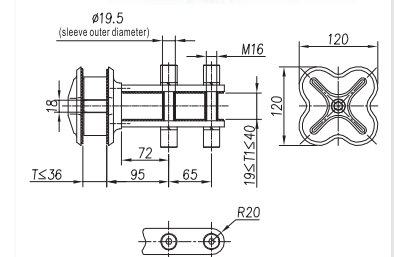
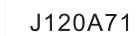
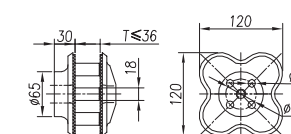
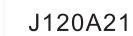
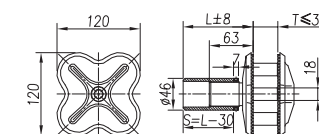


Curtainwall Node	①	②	③	④
Diagram				
Rib Plates Quantity	4 pieces (two long and two short)	2 pieces(two long)	2 pieces(two short)	without rib plates
Type	normal name code	normal name code+WS	normal name code+WH	normal name code+W
Fox Example	J120B11	J120B11WS	J120B11WH	J120B11W

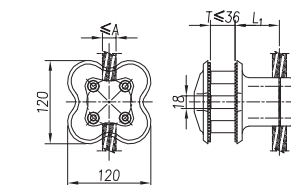
Note: 1. Normal name code means the clamp has both vertical and horizontal rib plates. Normal name code + W/WS/WH means clamp without rib plates/without vertical rib plates/ without horizontal rib plates;  
2. Normal name code + W means the glass need to be drilled holes ,and because of different way of clamping glass ,it has different ways to drill the glass holes and the glass holes will also have different sizes ,for details ,please consult KIN LONG company.

## Clamp

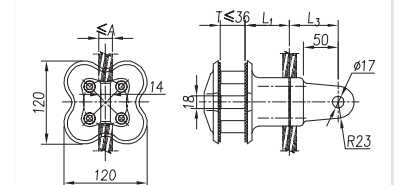
## J120A Series(flower shape)




Size Model	A	B	L <sub>1</sub>	L <sub>2</sub>
J120A31	Φ20	Φ20	64	30
J120A32	Φ32	Φ32	84	40



Model \ Size	A	L <sub>1</sub>
J120A41	Φ20	64
J120A42	Φ32	84



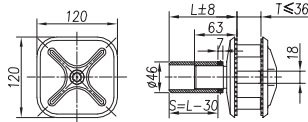

Size Model	A	L <sub>1</sub>	L <sub>3</sub>
J120A51	Φ20	64	70
J120A52	Φ32	84	77

The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	$F_x \leq$	$F_y \leq$	
	20000	3000	

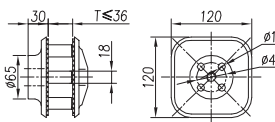



J120B Series(square shape)

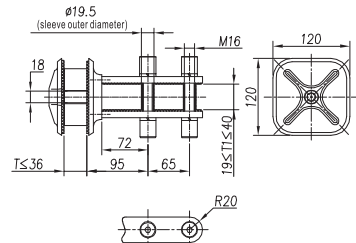

J120B11

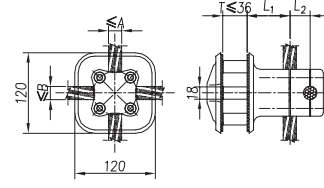



J120B21

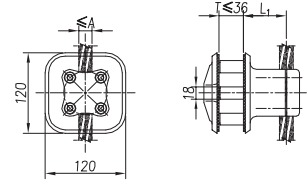



J120B71

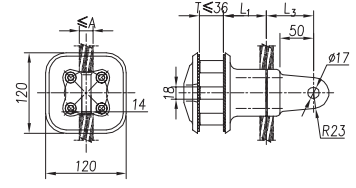





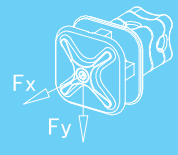
Size	A	B	L <sub>1</sub>	L <sub>2</sub>
J120B31	Φ20	Φ20	64	30
J120B32	Φ32	Φ32	84	40



Size	A	L <sub>1</sub>
J120B41	Φ20	64
J120B42	Φ32	84

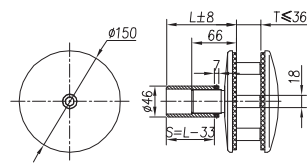



Size	A	L <sub>1</sub>	L <sub>2</sub>
J120B51	Φ20	64	70
J120B52	Φ32	84	77

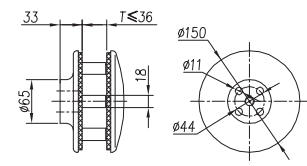

The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	Fx ≤	Fy ≤	
	20000	3000	

J150A Series(round shape)

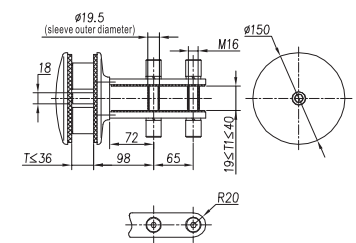

J150A11

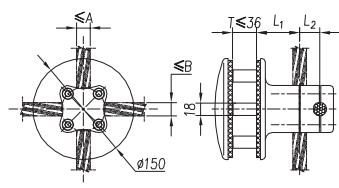



J150A21

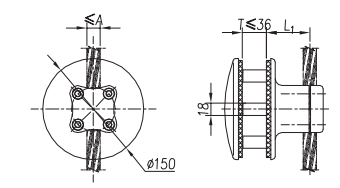



J150A71

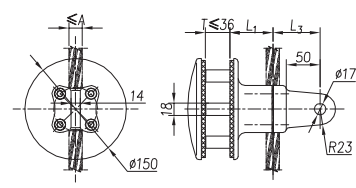





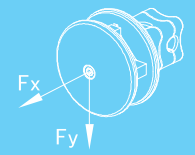
Size	A	B	L <sub>1</sub>	L <sub>2</sub>
J150A31	Φ20	Φ20	64	30
J150A32	Φ32	Φ32	84	40



Size	A	L <sub>1</sub>
J150A41	Φ20	64
J150A42	Φ32	84



Size	A	L <sub>1</sub>	L <sub>2</sub>
J150A51	Φ20	64	70
J150A52	Φ32	84	77

The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	Fx ≤	Fy ≤	
	20000	4000	





J160F Series(oval shape)

J160F11

Size	A	B	L <sub>1</sub>	L <sub>2</sub>
J160F31	Φ20	Φ20	64	30
J160F32	Φ32	Φ32	84	40

J160F21

Size	A	L <sub>1</sub>
J160F41	Φ20	64
J160F42	Φ32	84

J160F71

Size	A	L <sub>1</sub>	L <sub>3</sub>
J160F51	Φ20	64	70
J160F52	Φ32	84	77

J170A Series(rhombus shape)

J170A11

Size	A	B	L <sub>1</sub>	L <sub>2</sub>
J170A31	Φ20	Φ20	64	30
J170A32	Φ32	Φ32	84	40

J170A21

Size	A	L <sub>1</sub>
J170A41	Φ20	64
J170A42	Φ32	84

J170A71

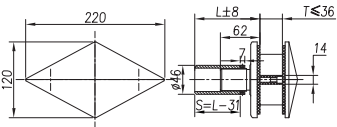

Size	A	L <sub>1</sub>	L <sub>3</sub>
J170A51	Φ20	64	70
J170A52	Φ32	84	77

The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	Fx ≤	Fy ≤	
	20000	4000	

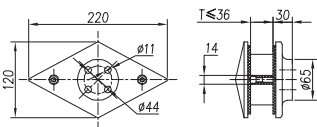

The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	Fx ≤	Fy ≤	
	20000	4500	

J220A Series(rhombus & cone shape)

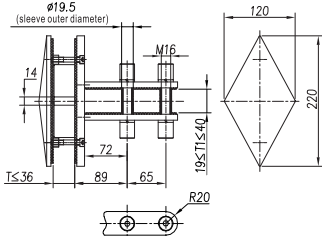

J220A11

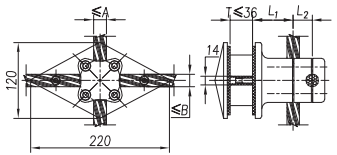



J220A21

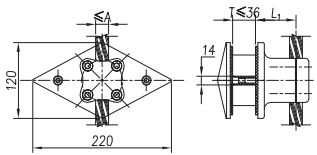



J220A71

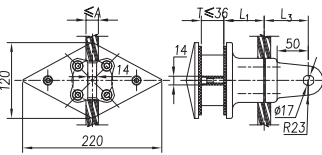





Size Model	A	B	L <sub>1</sub>	L <sub>2</sub>
J220A31	Φ20	Φ20	64	30
J220A32	Φ32	Φ32	84	40



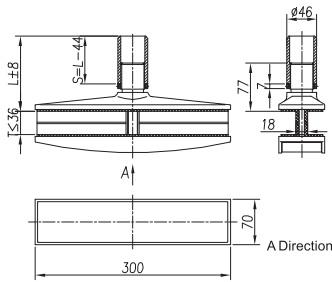

Size Model	A	L <sub>1</sub>
J220A41	Φ20	64
J220A42	Φ32	84



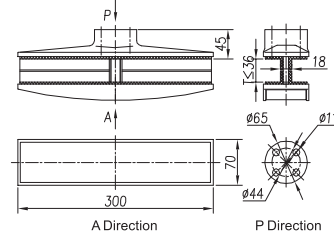

Size Model	A	L <sub>1</sub>	L <sub>2</sub>
J220A51	Φ20	64	70
J220A52	Φ32	84	77

Rectangle Series

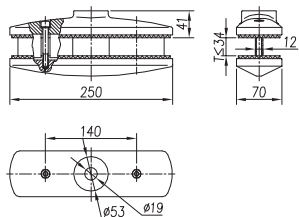

J307Z



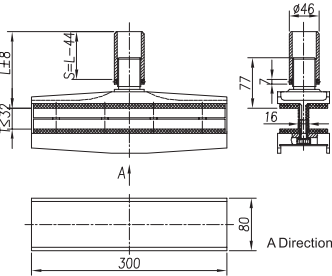

J307G2



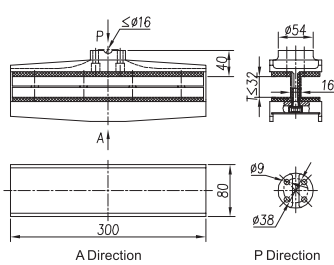

J257G



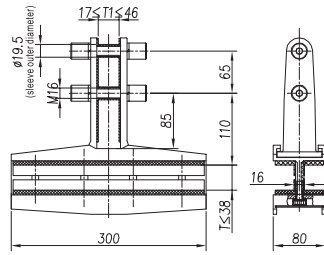

J308Z

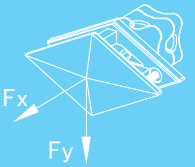


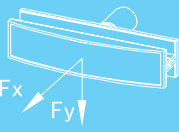
J308S



J308L

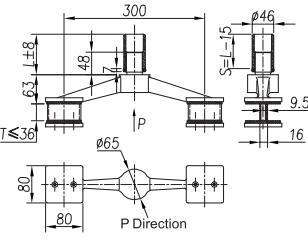



The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	Fx ≤	Fy ≤	
	20000	5000	

The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	Fx ≤	Fy ≤	
	30000	8000	

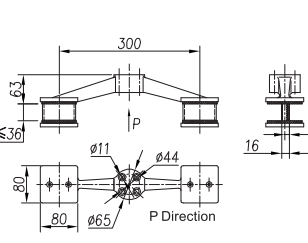

J300A Series(shape of spider)

J300A11



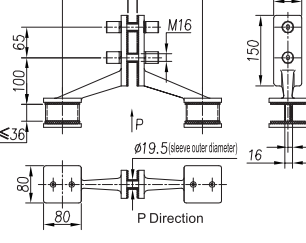

Size	A	B	L <sub>1</sub>	L <sub>2</sub>
J300A31	Φ20	Φ20	64	30
J300A32	Φ32	Φ32	84	40

J300A21



Size	A	L <sub>1</sub>
J300A41	Φ20	64
J300A42	Φ32	84

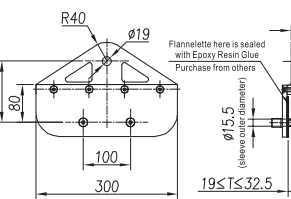

J300A71



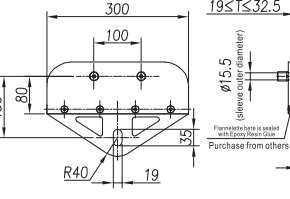

Size	A	L <sub>1</sub>	L <sub>2</sub>
J300A51	Φ20	64	70
J300A52	Φ32	84	77

Glass Fin Suspending Clamp

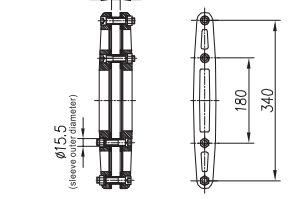

BL31



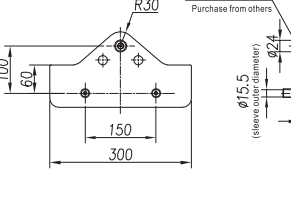

BL32



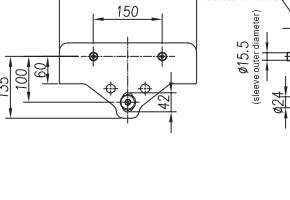

BL11S



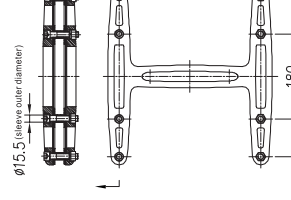

BL35

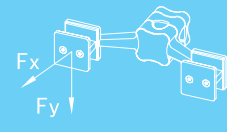


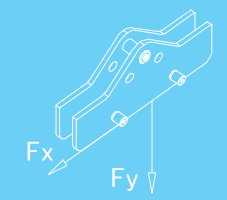
BL36



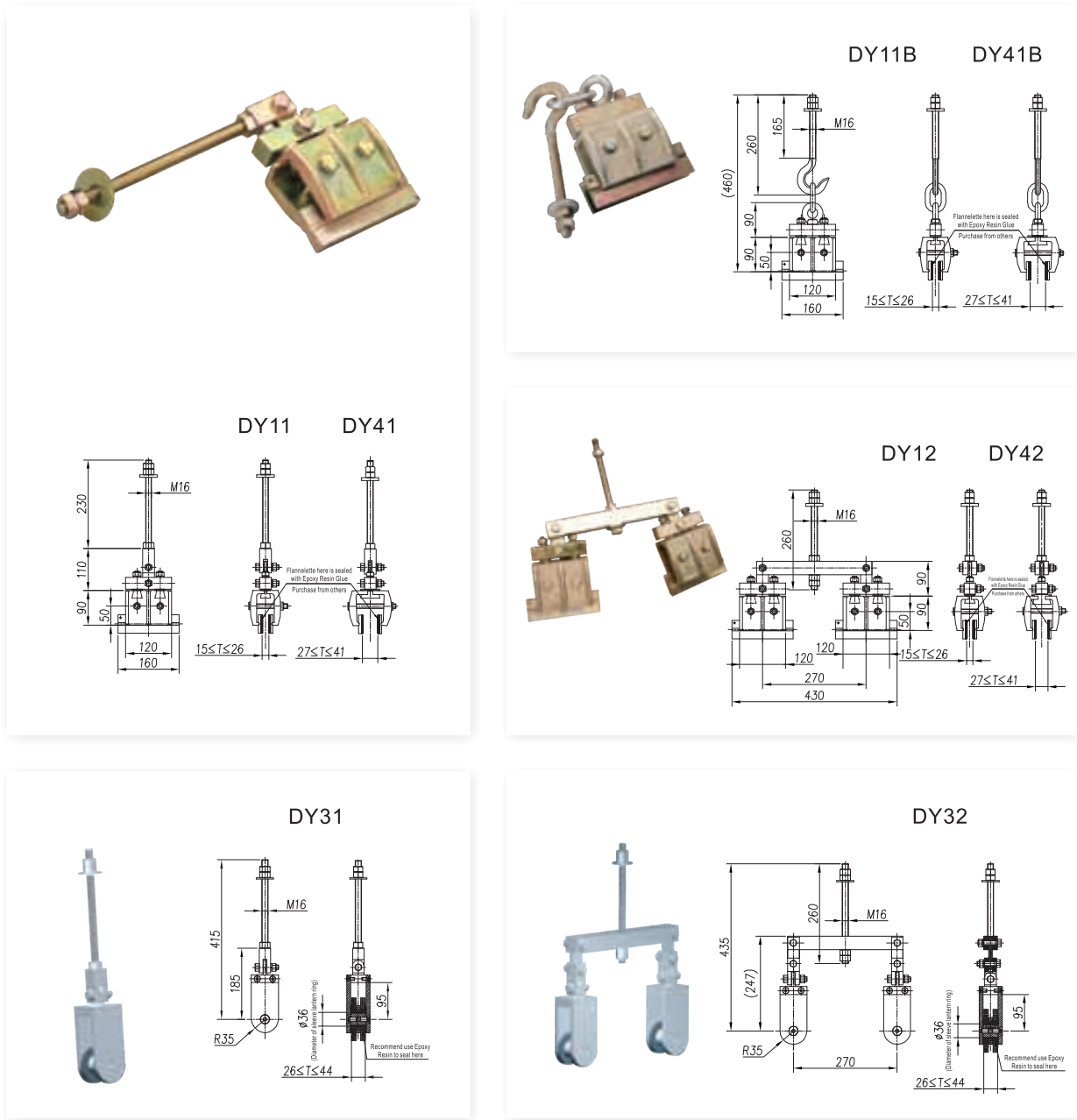
BL12S



The Recommended Value of Load Capacity (N)	Material: CF8M,CF8		
	Fx ≤	Fy ≤	
	5000	2500	

The Recommended Value of Load Capacity (N)	Model	Material: CF8M,CF8		
		Fx ≤	Fy ≤	
	BL31	12000	12000	
	BL32		/	
	BL35	15000	15000	
	BL36		/	

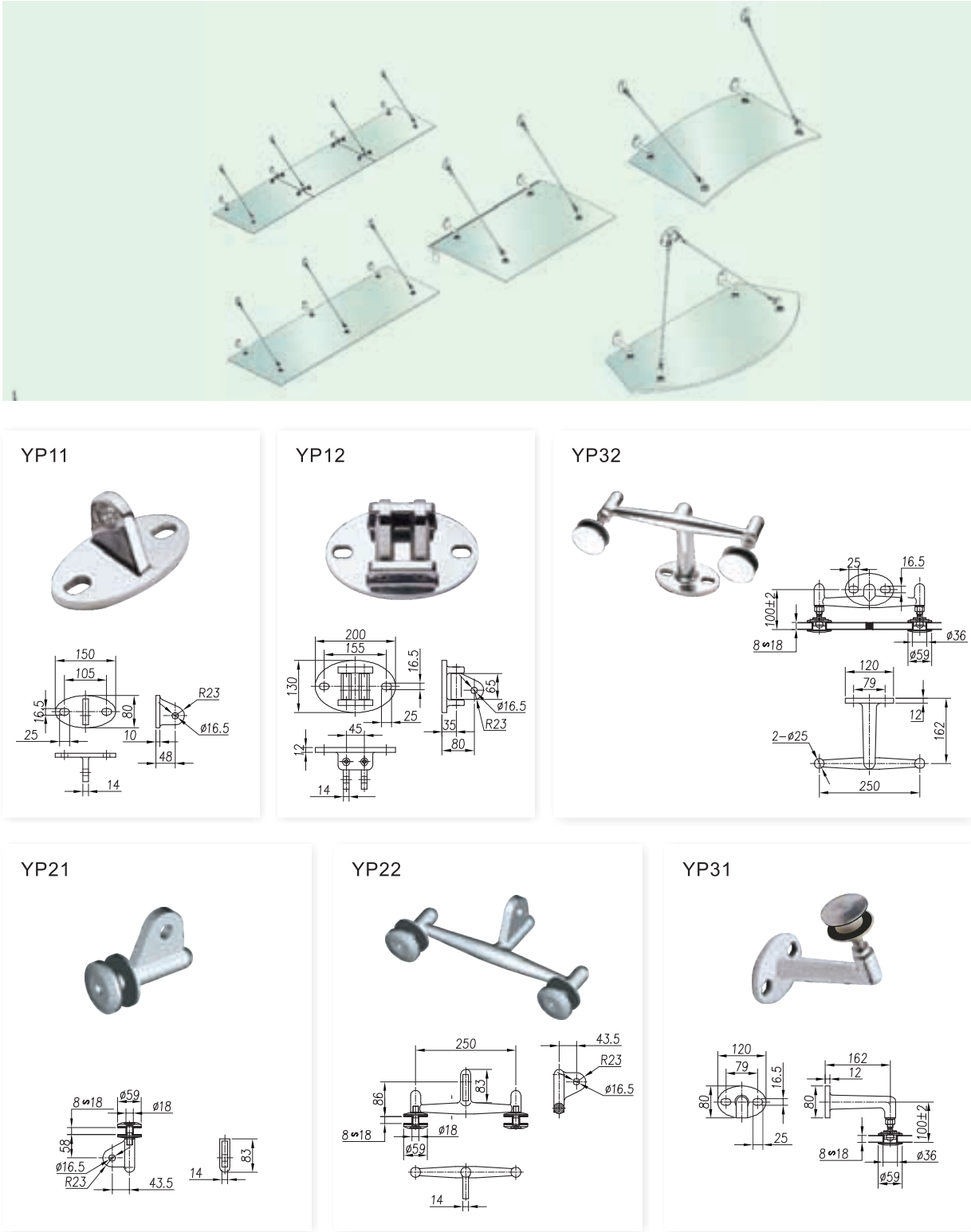
Glass Fin Clamp



The Recommended Value of Load Capacity (N)								
Material	Carbon steel						316/304	
Model	DY11	DY11B	DY12	DY41	DY41B	DY42	DY31	DY32
Bearing Capacity(N)	4000	4000	7000	4000	4000	7000	6000	12000

Note: This product can not bear the horizontal load.

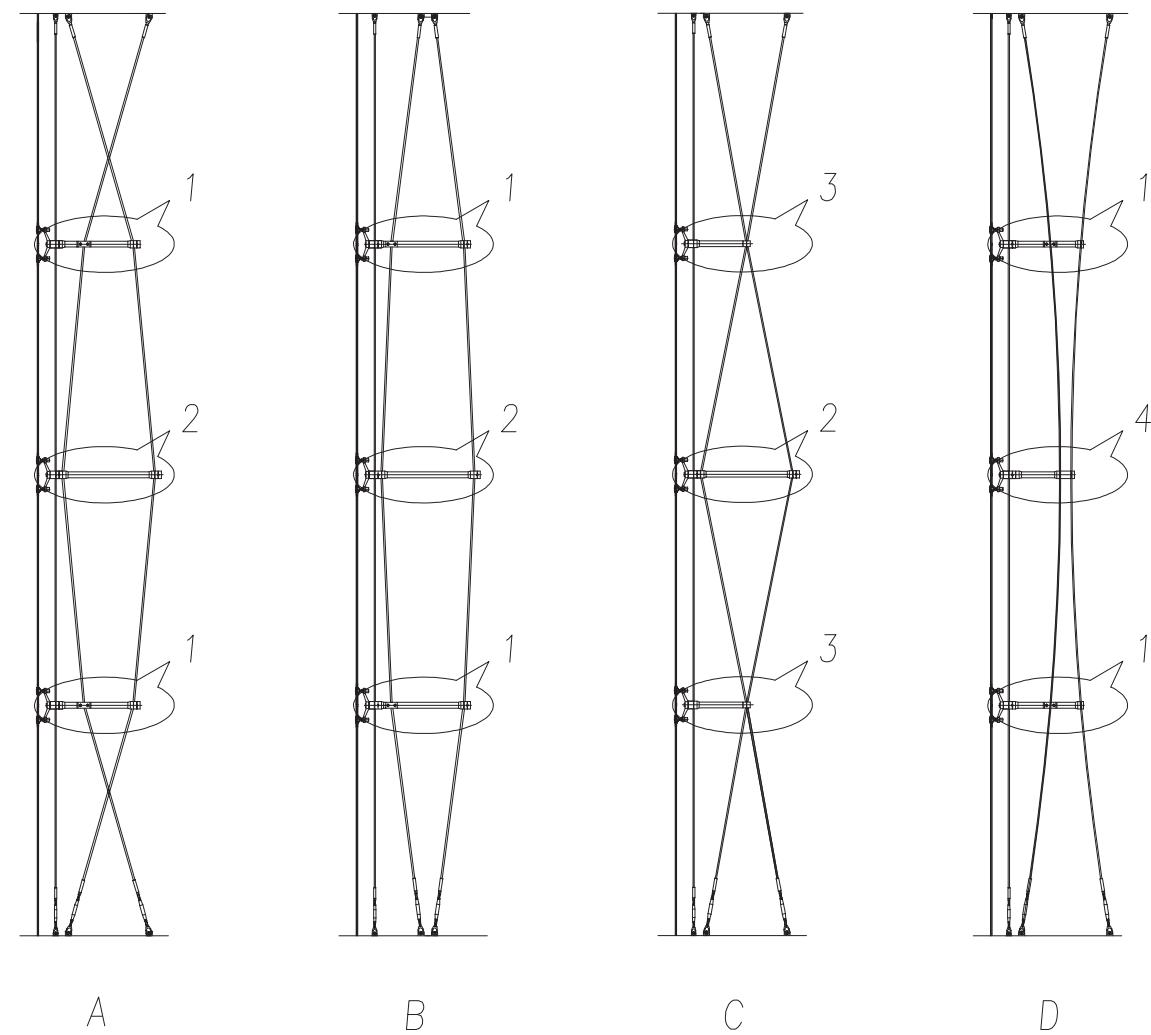
Canopy Fittings



Note: The above fittings are used together with standard Q01A-16 or Q01B-16 anchor.



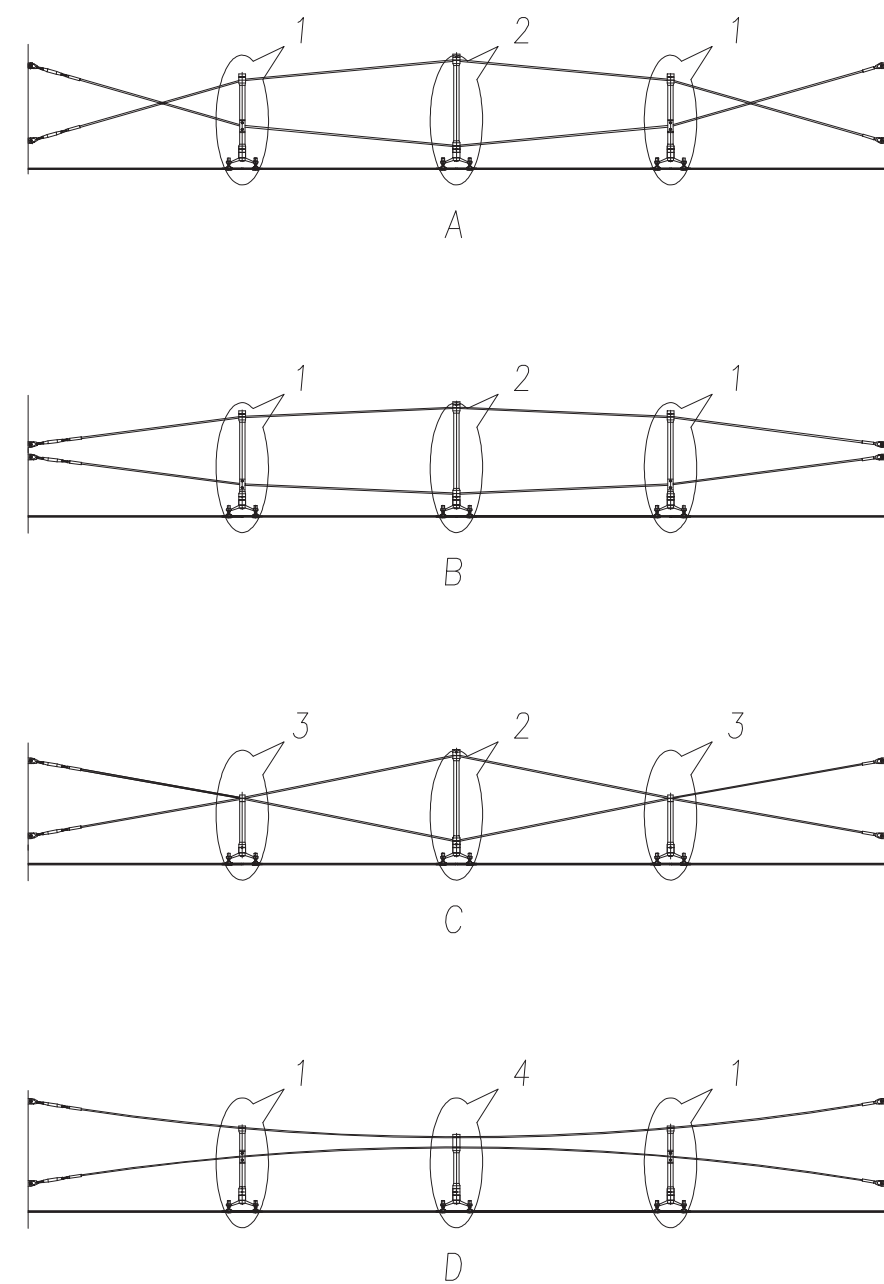
Common Forms of Supporting Structure with Tension Cable( I )



Forms of Vertical Cable Arrangement

Available support bar type at node 1	SSA-21、 SSA-22
Available support bar type at node 2	SSA-11、 SSA-12
Available support bar type at node 3	SSA-31、 SSA-32
Available support bar type at node 4	SSA-41

Common Forms of Supporting Structure with Tension Cable( II )

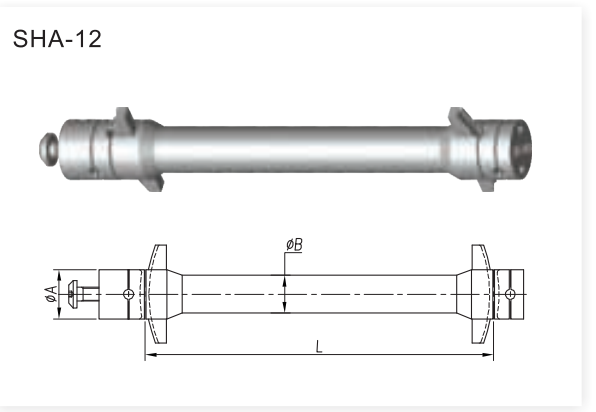
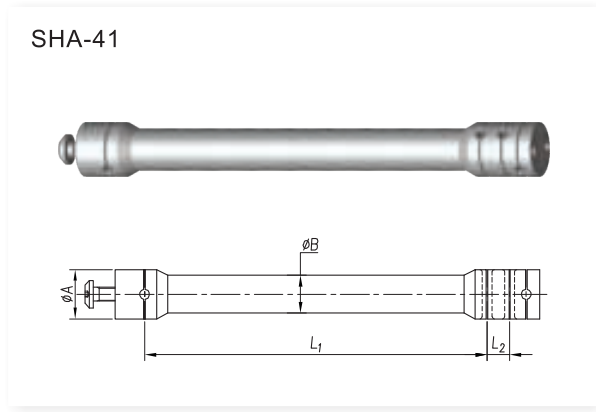
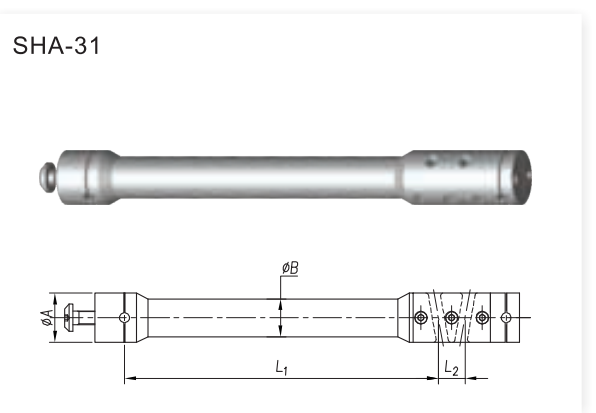
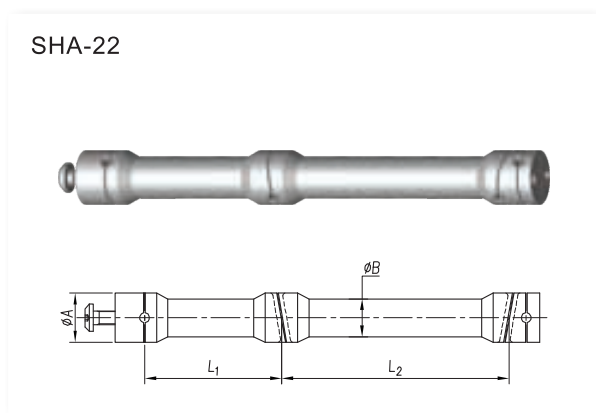
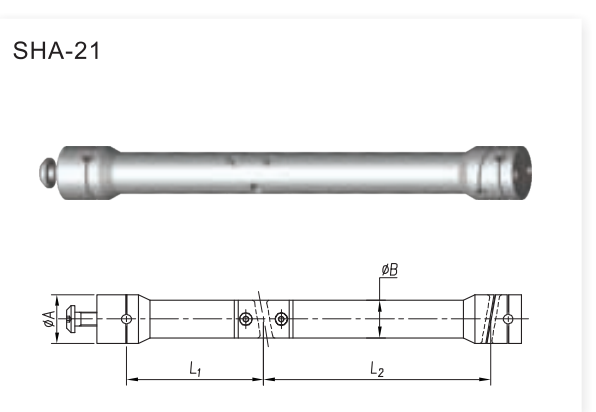
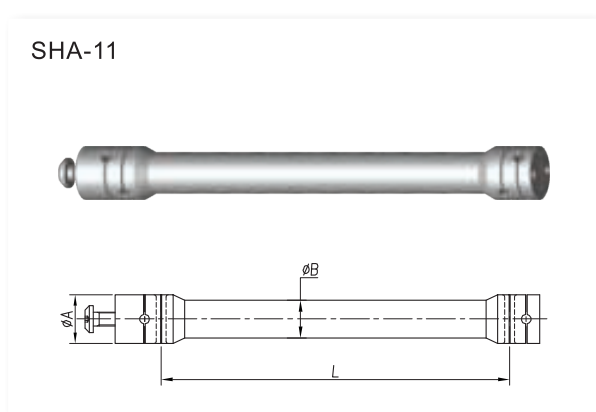
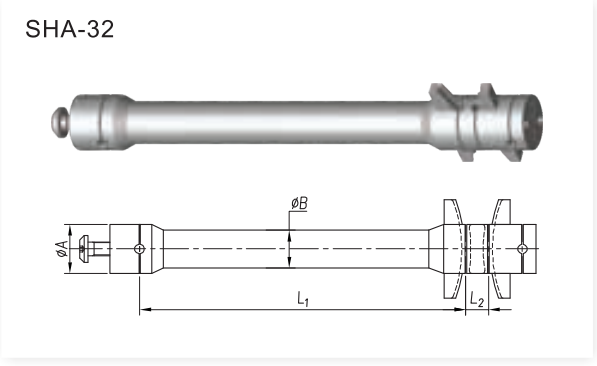
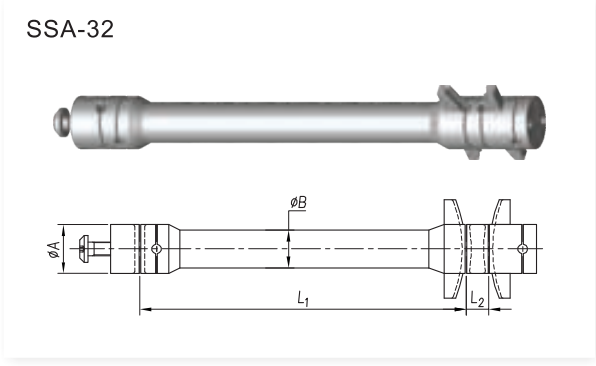
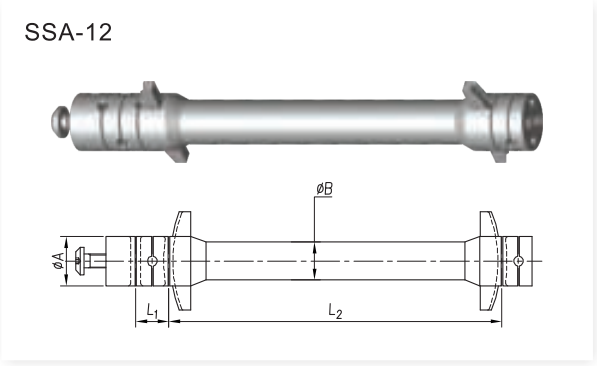
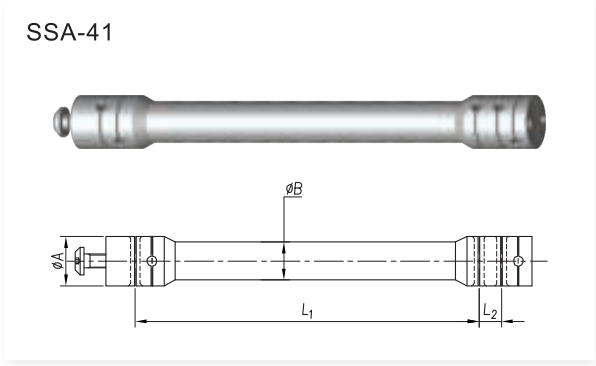
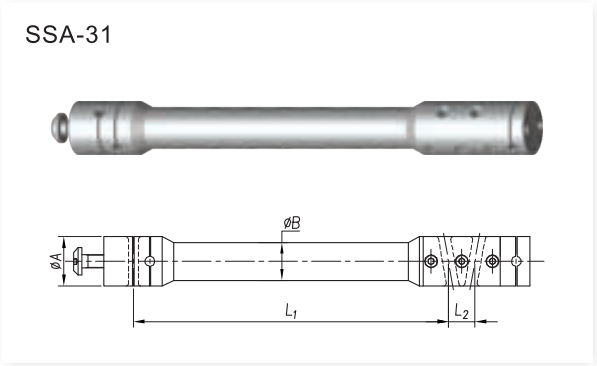
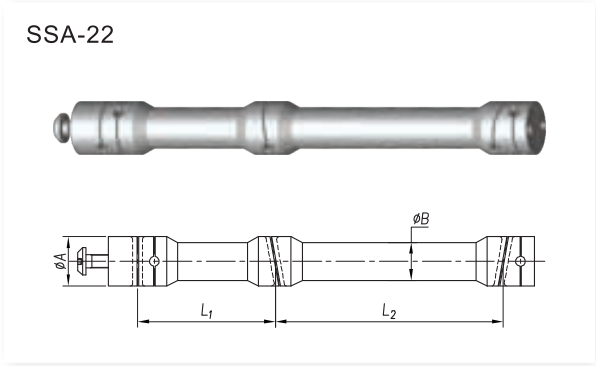
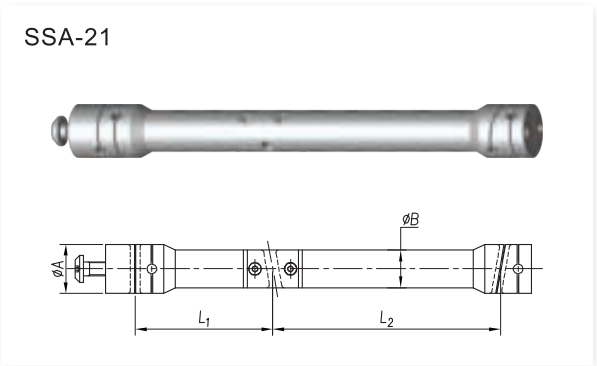
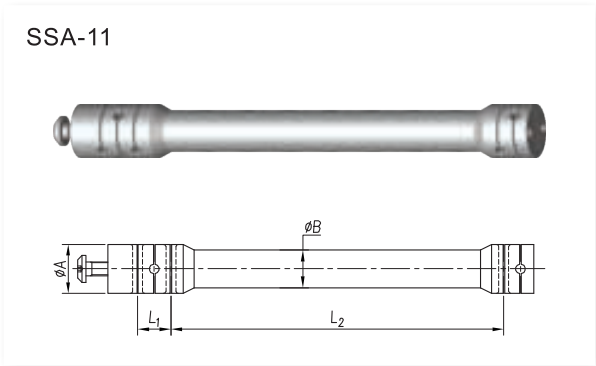


Forms of Horizontal Cable Arrangement

Available support bar type at node 1	SHA-21、 SHA-22
Available support bar type at node 2	SHA-11、 SHA-12
Available support bar type at node 3	SHA-31、 SHA-32
Available support bar type at node 4	SHA-41



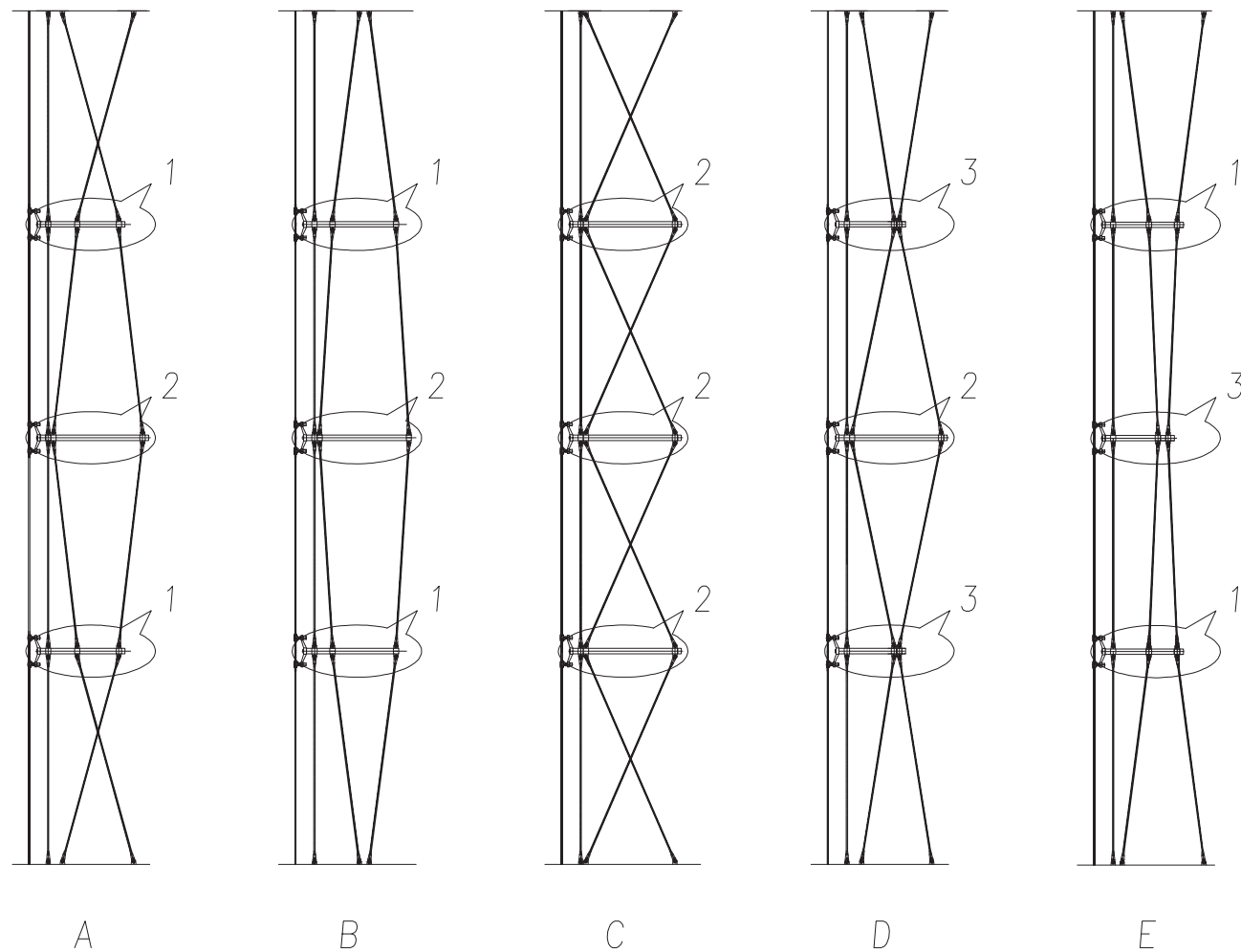
The Strut Bar of Tension Cable



Note:

1. There are two types of diameter of lock block  $\phi A$ :  $\phi 65$  and  $\phi 75$ , select proper one according to the diameter of cable.
2. There are two specifications of the joint sleeve  $\phi B$  of the strut:  $\phi 50 \times 5$  and  $\phi 60 \times 8$ , the exact dimension is based on the calculation.

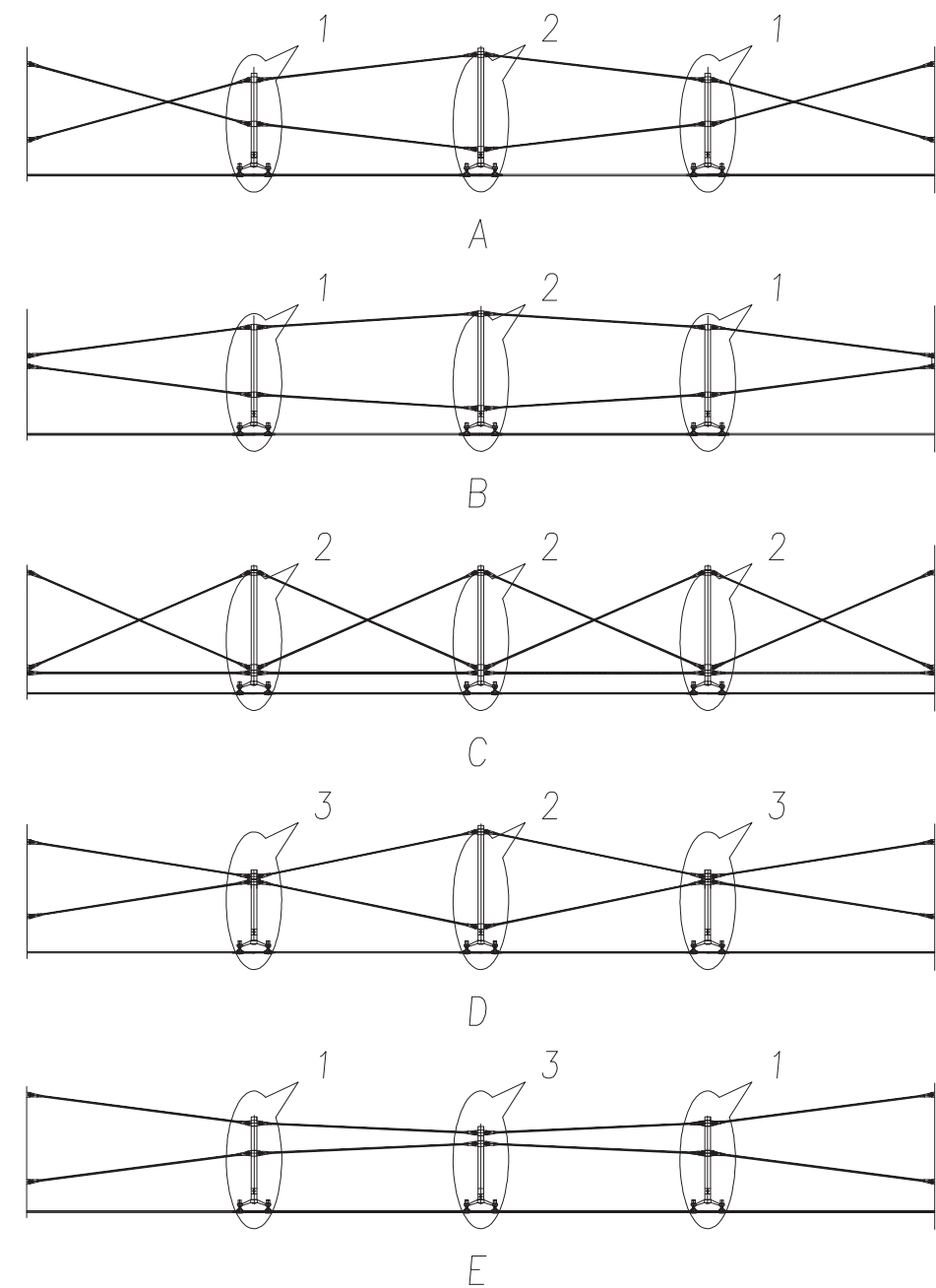
Common Forms of Supporting Structure with Tension Rod( I )



Forms of Vertical Rod Arrangement

Available support bar type at node 1	GA-2、GB-2
Available support bar type at node 2	GA-1、GB-1
Available support bar type at node 3	GA-31、GA-32、GB-3

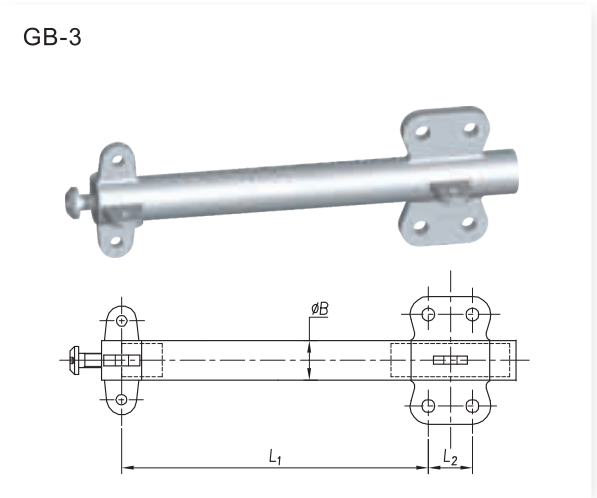
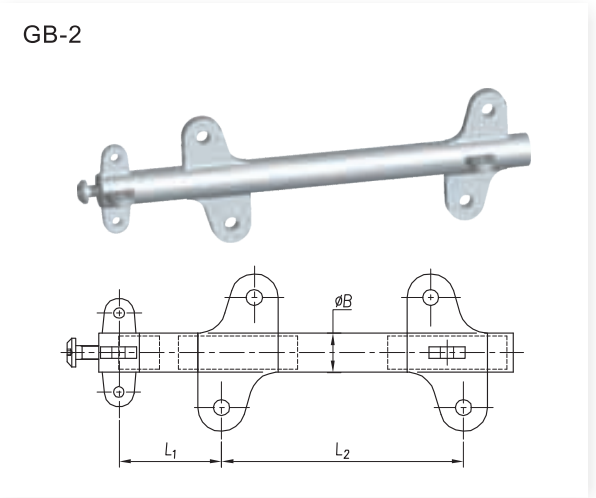
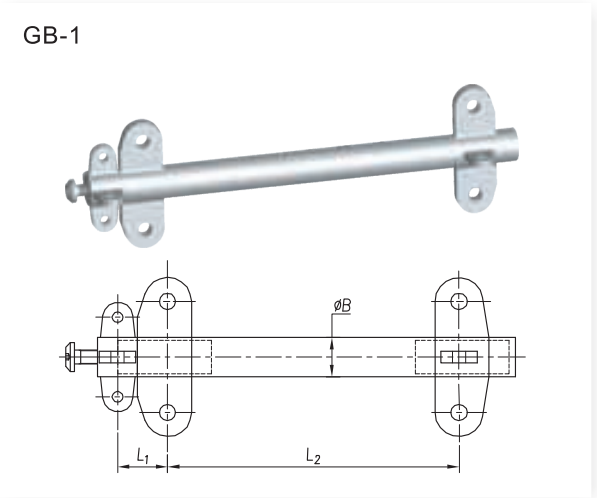
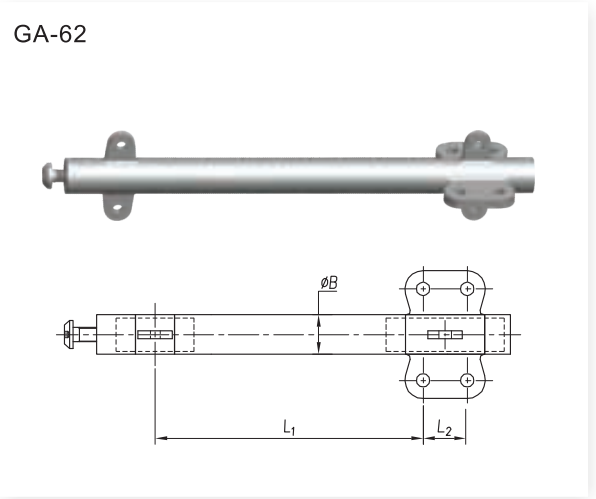
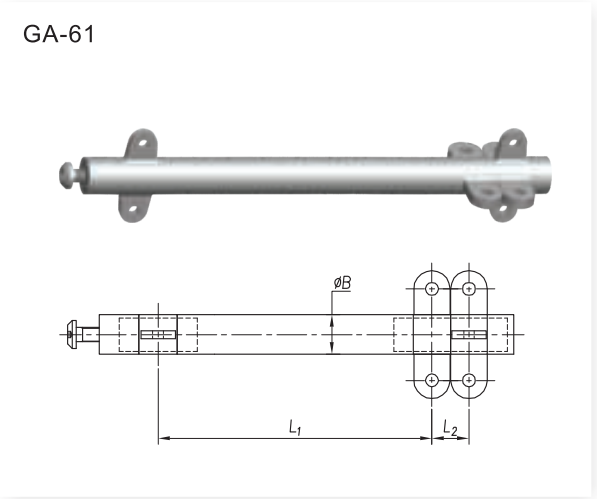
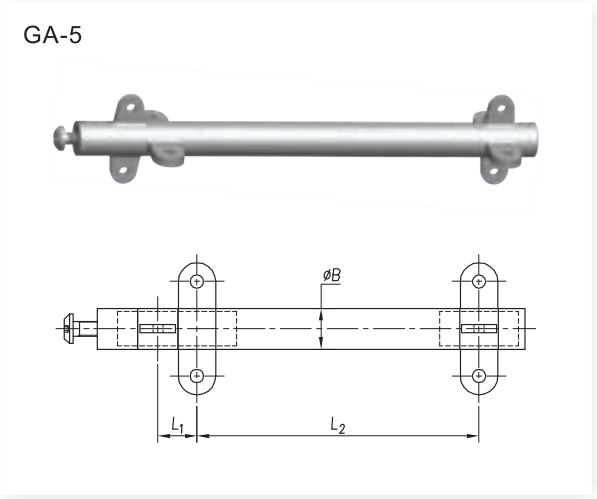
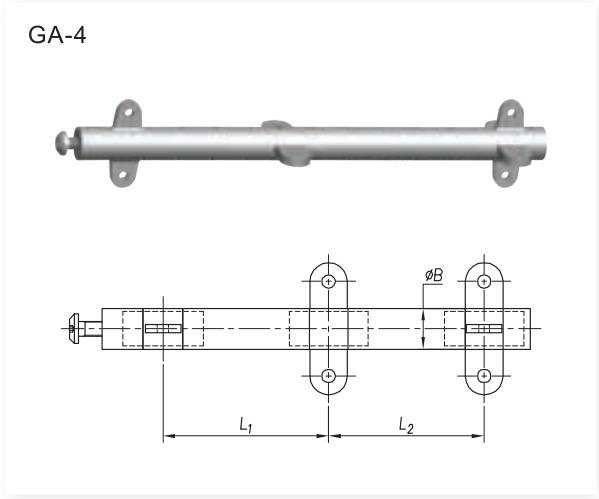
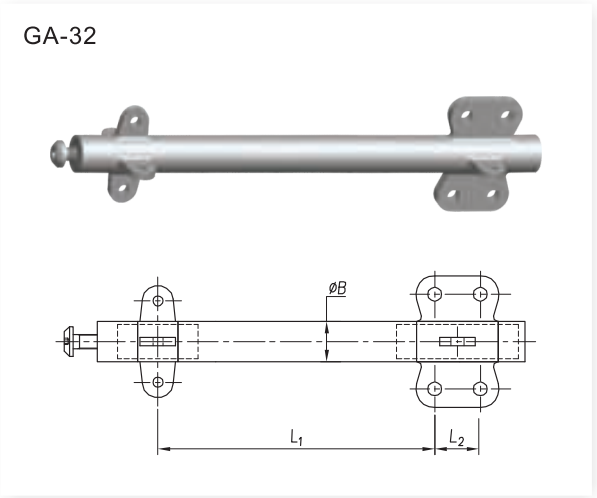
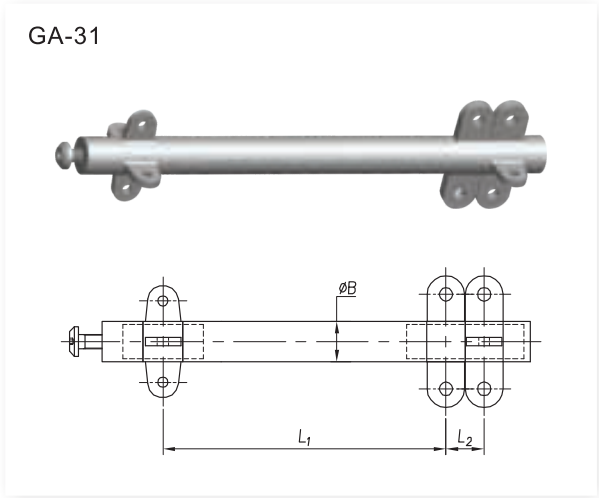
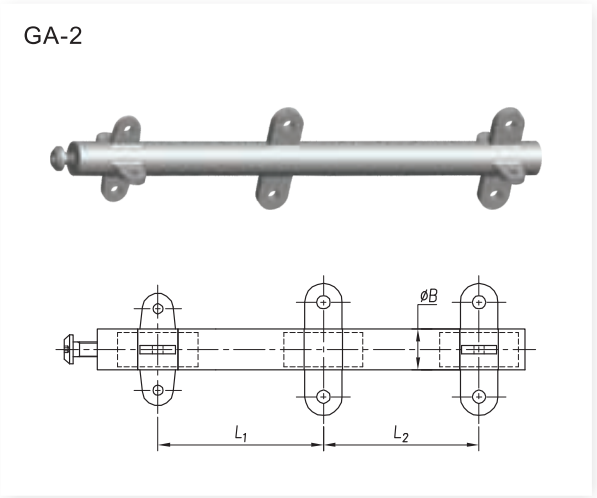
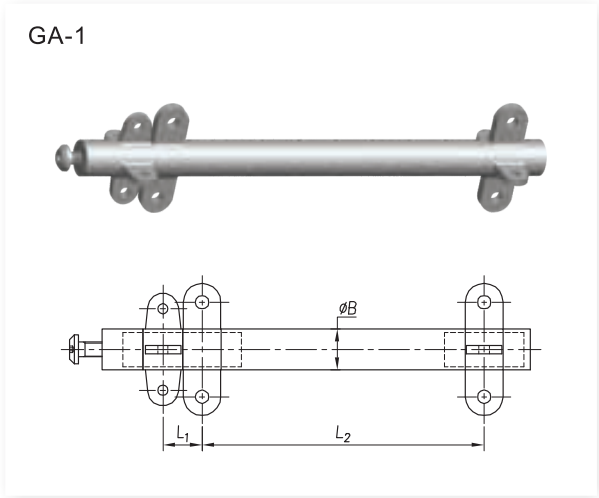
Common Form of Supporting Structure with Tension Rod( II )



Forms of Horizontal Rod Arrangement

Available support bar type at node 1	GA-4
Available support bar type at node 2	GA-1、GB-1、GA-5
Available support bar type at node 3	GA-61、GA-62

The Strut Bar of Tension Rod



Note: The lug of the strut bar is determined by the dimension of the tension rod. The connecting sleeve of the strut bar  $\Phi B$  is  $\Phi 50 \times 5$ .

Stainless Steel Tension Rod



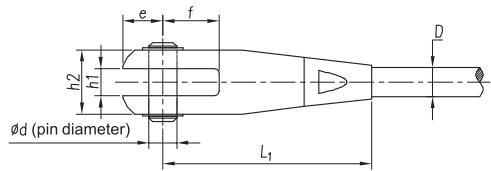
Material

Type	Product	Screw Rod	Tension Rod Joint	Product Range
Q01A Series		316、304	CF8M、CF8	Φ10-Φ36
Q01B Series		316、304	CF8M、CF8	Φ10-Φ36

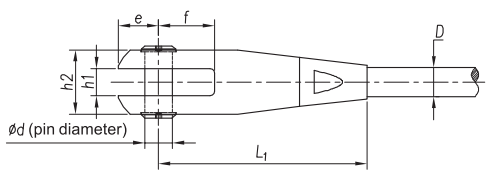
The parameters of the rod body

No.	Thread Diameter (mm)	Effective Secion Area (mm <sup>2</sup> )	Yield Strength σ <sub>0.2</sub> (MPa)	Tensile Strength σ <sub>b</sub> (MPa)	Elongation δ%
1	M10	57.99	515	650	≥25
2	M12	84.27			
3	M14	115.44			
4	M16	156.67			
5	M18	192.47			
6	M20	244.79			
7	M22	303.40			
8	M24	352.50			
9	M27	459.40			
10	M30	560.59			
11	M33	693.60			
12	M36	816.72			

Model



Pin fixed by snap spring for diamter d≤M22

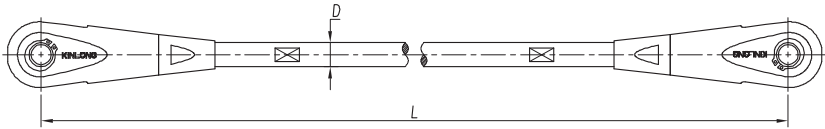


Pin fixed by screw for diameter d>M22

Specification

Type	OD of Screw	D	e	f	h <sub>1</sub>	h <sub>2</sub>	L <sub>1</sub>	d	Single Side Adjustment Capacity
Q01A-10	M10	φ9	18	23	11	26.5	100	13	±12.5
Q01A-12	M12	φ10.8	18	23	11	26.5	100	13	
Q01A-14	M14	φ12.6	20	25	13	31	108	15	
Q01A-16	M16	φ14.6	23	28	15	35	117	16	
Q01A-18	M18	φ16.3	25	35	17	40	130	18	
Q01A-20	M20	φ18.3	30	35	17	42.5	138	20	±14
Q01A-22	M22	φ20.3	32.5	42	21	47	148	22	
Q01A-24	M24	φ24	38	48	21	53	170	24	
Q01A-27	M27	φ27	42	52	25	60	182	27	
Q01A-30	M30	φ30	46	60	25	65	195	30	
Q01A-33	M33	φ33	49.5	65	27	68	205	33	±17.5
Q01A-36	M36	φ36	56.5	72	29	76	220	37	
Q01B-10	M10	φ9	16.5	23	11	21	58	13	±5
Q01B-12	M12	φ10.8	18.1	23	11	23	61	13	
Q01B-14	M14	φ12.6	19.9	25	13	28	66	15	
Q01B-16	M16	φ14.6	22.7	28	15	32	76	16	
Q01B-18	M18	φ16.3	26	35	17	35	84	18	
Q01B-20	M20	φ18.3	28.7	35	17	37	89	20	
Q01B-22	M22	φ20.3	31.6	42	21	45	103	22	
Q01B-24	M24	φ24	33.2	48	21	47	110	24	
Q01B-27	M27	φ27	37.8	52	25	54	123	27	
Q01B-30	M30	φ30	42.5	60	25	56	134	30	
Q01B-33	M33	φ33	47.5	65	27	62	147	33	
Q01B-36	M36	φ36	50.8	72	29	68	160	37	

Order Instruction



The Length of the tension rod is from pin to pin.

The Stainless Steel Cable Squeezed

Material

Product Type	Steel Strand	Swaged End With Adjustor, Lock Pin	Anchor	Product Range
A01、B01、M01	316	2205	CD3MN	φ8-φ36

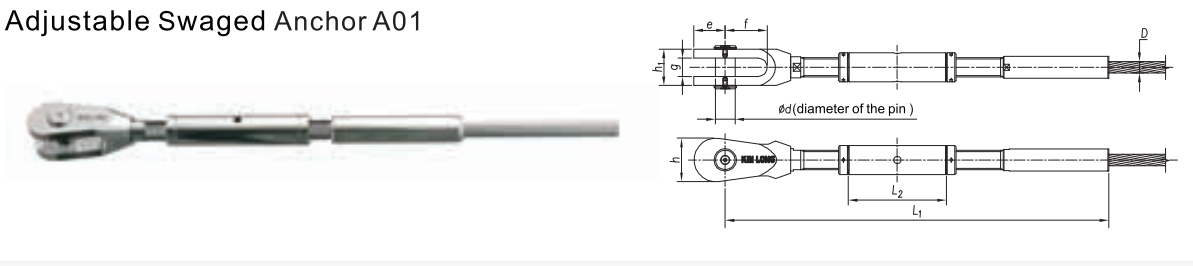
Performance Parameter

Cable Diameter (mm)	Reference Configuration	Steel Wire Diameter (mm)	Sectional Area (mm <sup>2</sup> )	Minimum Breaking Strength(kN)	Modules Elasticity (10 <sup>5</sup> N/mm <sup>2</sup> )
8	1x19	1.60	38.20	45.38	1.30±0.10
10		2.00	59.69	70.91	
12		2.40	85.95	102.11	
14		2.80	116.99	138.99	
16	1x37	2.29	152.39	181.04	
18		2.57	192.15	225.68	
20		2.86	237.22	278.62	
22		2.86	237.22	278.62	
24	1x61	2.44	286.27	336.23	
26		2.67	340.69	400.14	
28		2.89	399.84	469.61	
30		3.11	463.71	544.63	
32	1x91	2.73	531.60	603.56	
34		2.91	604.85	686.71	
36		3.09	682.82	775.24	
36		3.27	765.51	869.12	

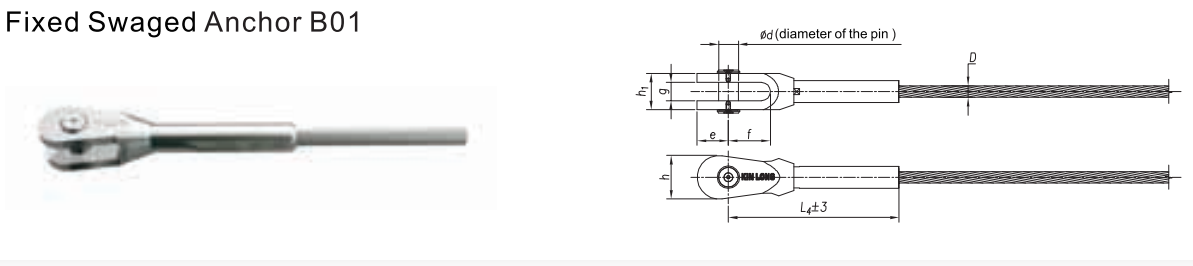
Note: If it is required, we can manufacture tension cable with other different strength. Welcome to contact KIN LONG for more details.

Model

Adjustable Swaged Anchor A01



Fixed Swaged Anchor B01



Specification

2205 Anchor(A01/B01)									
D	d	g	h <sub>i</sub>	e	f	h	L <sub>1</sub>	L <sub>2</sub>	L <sub>4</sub>
φ8	12	11	22	20	24	28	≤275	80	107
φ10	14	13	26	23	30	32	≤305	80	134
φ12	16	15	30	26	34	36	≤442	125	163
φ14	20	18	36	32	42	44	≤466	125	191
φ16	22	20	40	36	46	50	≤492	130	209
φ18	24	23	46	39	52	54	≤523	130	237
φ20	27	25	50	43	58	60	≤655	175	262
φ22	30	27	54	48	65	68	≤684	175	294
φ24	33	29	58	53	74	76	≤728	180	321
φ26	33	32	64	53	74	76	≤746	180	339
φ28	36	34	68	58	80	82	≤778	185	364
φ30	39	37	74	62	88	88	≤935	230	394
φ32	42	40	80	67	94	96	≤955	230	417
φ34	45	42	84	72	100	102	≤992	235	442
φ36	50	45	90	77	106	110	≤1016	235	464



Model

Adjustable Ending of Spherical Hinge C01



Adjustable Center Connector M01



Specification

2205 Anchor(M01/C01)							
D	M	L	L <sub>5</sub>	ΦD <sub>1</sub>	H	L <sub>2</sub>	L <sub>3</sub>
Φ8	M12	158	90	55	38	80	≤304
Φ10	M16	178	92	55	42	80	≤342
Φ12	M18x2	228	119	65	48	125	≤497
Φ14	M20x2	250	124	70	53	125	≤523
Φ16	M22x2	270	132	70	57	130	≤552
Φ18	M24x2	294	140	70	60	130	≤596
Φ20	M27x2	350	177	85	67	175	≤736
Φ22	M30x2	378	187	100	74	175	≤773
Φ24	M33x2	398	190	100	78	180	≤819
Φ26	M33x2	413	190	100	78	180	≤855
Φ28	M36x3	453	212	115	86	185	≤893
Φ30	M39x3	502	245	115	90	230	≤1061
Φ32	M42x3	528	255	130	98	230	≤1084
Φ34	M45x3	553	263	140	107	235	≤1124
Φ36	M48x3	573	268	140	108	235	≤1163

Note: Material of ball joint seat is carbon steel.

The Stainless Steel Cable with Casting Anchor

Material

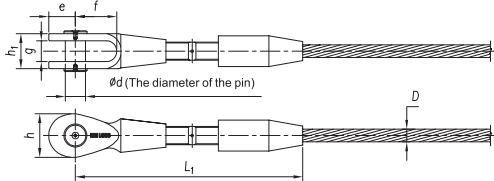

Product Type	Steel Strand	Screw,Lock Pin	Open End Socket	Product Range
G02、H02、K02	316	2205	CD3MN	Φ30-Φ100

Performance Parameter

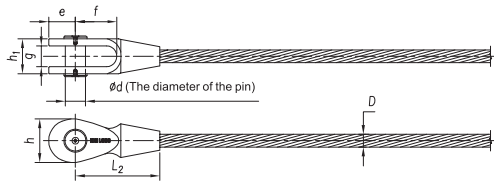

Cable Diameter (mm)	Reference Configuration	Steel Wire Diameter(mm)	Sectional Area (mm <sup>2</sup> )	Minimum Breaking Strength(kN)	Modules Elasticity (10 <sup>5</sup> N/mm <sup>2</sup> )
30	1x91	2.73	531.60	670.62	1.30±0.10
32		2.91	604.85	763.01	
34		3.09	682.82	861.38	
36		3.27	765.51	965.69	
38		3.45	852.93	1075.97	
40		3.64	945.07	1192.21	
42		3.82	1041.94	1314.41	
45		4.09	1196.11	1352.80	
48		4.36	1360.91	1539.19	
52	1x127	4.00	1595.93	1805.00	
56		4.31	1850.90	2093.37	
60	1x169	4.00	2123.72	2374.32	
65		4.33	2492.42	2786.52	
70	1x217	4.12	2889.67	3230.65	
75	1x271	3.95	3316.46	3707.80	
80		4.21	3773.39	4218.65	
85	1X331	4.05	4259.09	4761.67	
90		4.29	4774.90	5338.34	
95		4.52	5320.18	5947.96	
100		4.76	5894.94	6590.54	

Model

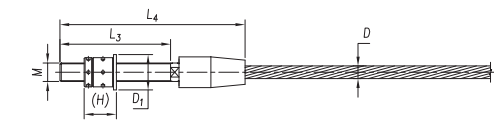

Adjustable Swaged Anchor G02



Fixed Swaged Anchor H02



Screw Anchor K02

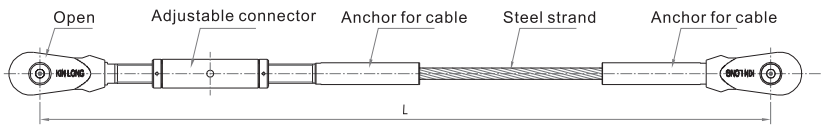


Specification

D	d	g	h <sub>1</sub>	e	f	h	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	H	D <sub>1</sub>	M
φ30	46	50	84	64	99	104	≤ 630	205	250	435	77	85	M45
φ32	50	53	89	68	105	112	≤ 673	220	260	456	83	92	M48
φ34	52	57	95	71	112	116	≤ 701	230	269	472	84	98	M52
φ36	56	60	100	76	115	124	≤ 729	236	280	493	93	105	M56
φ38	60	63	106	81	118	132	≤ 758	250	290	509	93	105	M56
φ40	62	65	111	85	132	138	≤ 797	262	300	530	99	110	M60x4
φ42	66	70	117	88	138	145	≤ 817	280	305	541	99	110	M60x4
φ45	70	75	125	95	148	155	≤ 875	300	318	568	101	115	M64
φ48	74	80	132	100	156	165	≤ 944	320	330	595	105	120	M68
φ52	80	85	144	108	170	178	≤ 994	340	360	647	120	125	M72x6
φ56	88	93	154	117	185	192	≤ 1063	370	380	684	127	140	M80x6
φ60	94	100	166	126	196	206	≤ 1122	395	395	710	130	145	M85x6
φ65	102	108	180	136	214	222	≤ 1205	435	411	756	136	160	M90x6
φ70	108	117	194	147	230	240	≤ 1281	460	435	806	144	175	Tr100x6
φ75	116	125	208	158	246	258	≤ 1350	500	455	855	164	180	Tr105x6
φ80	124	133	222	167	263	275	≤ 1398	530	460	880	169	185	Tr110x6
φ85	132	141	236	177	280	292	≤ 1460	556	470	910	176	200	Tr115x6
φ90	140	150	250	190	296	310	≤ 1508	595	485	950	181	210	Tr120x6
φ95	148	159	263	200	312	327	≤ 1573	625	485	985	191	220	Tr130x6
φ100	156	167	278	210	328	344	≤ 1632	660	490	1005	198	230	Tr135x6

Note: Suggest to use spherical hinged shim at screw end.

Order Instruction




- When customers order the products, please pay attention to the following:
- 1.L is the length as your requirement.(L means pin to pin ).
  - 2.The below format is the cable length that one adjusting end(A01) normally can adjust(L),if the needed cable length is more than L of the below format ,it needs to add adjusting anchors or consult KIN LONG company.
  - 3.When purchasing this product, please supply the pretension of cable on site.
  - 4.For φ8 and φ10 cable ,the anchor is hexagon.

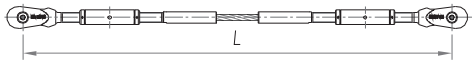
Tension cable diameterφD	φ8	φ10	φ12	φ14	φ16	φ18	φ20	φ22	φ24	φ26	φ28	φ30	φ32	φ34	φ36
Adjustable tension cable length L(m)	≤5	≤5	≤10	≤10	≤10	≤10	≤16	≤16	≤16	≤16	≤20	≤25	≤25	≤25	≤25

Tension cable common combined types as below figure

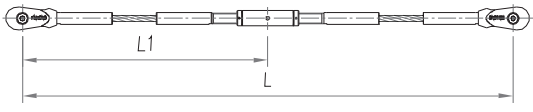
Type I : A01-B01



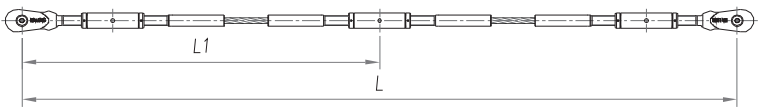
Type II : A01-A01



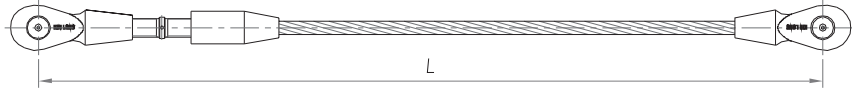
TypeIII : B01-M01-B01



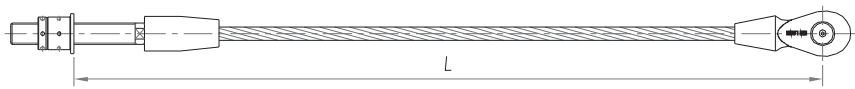
TypeIV: A01-M01-A01



Type V : G02-H02

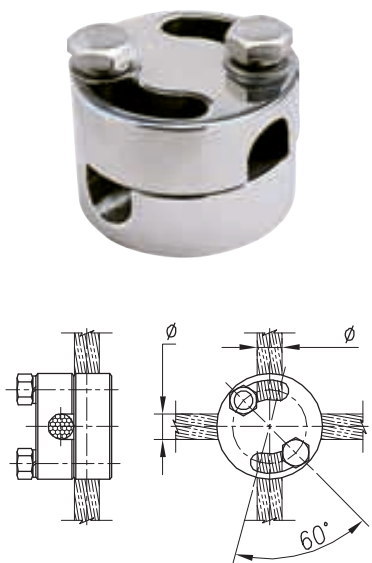


TypeVI : H02-K02

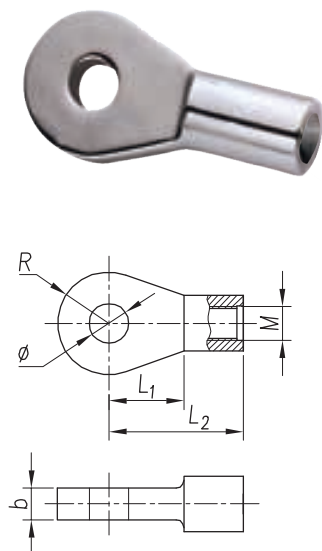


Typical Fittings for Cable

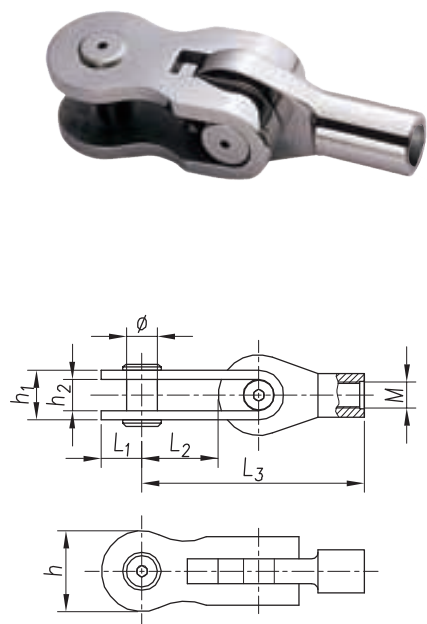
SGP-02



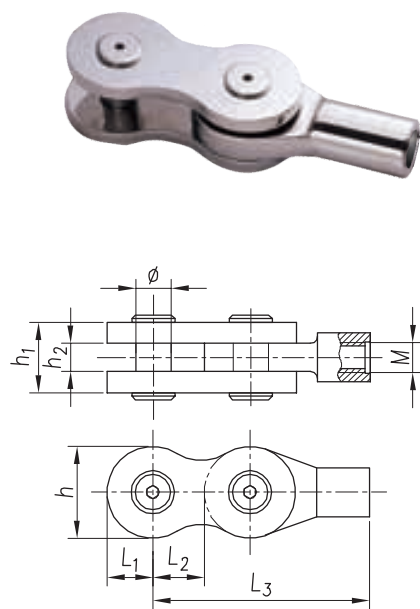
SGP-03



SGP-05

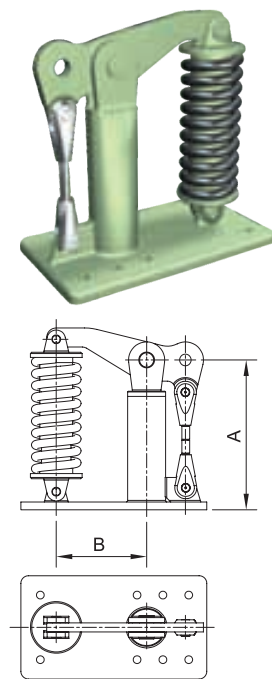


SGP-06

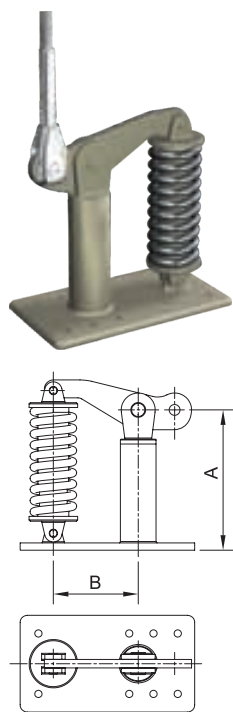


Jiang Su International Library Center

Overload Protection Device



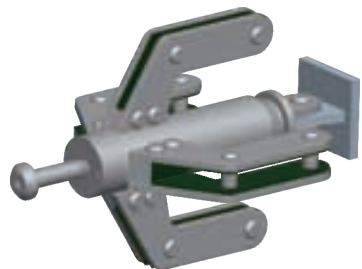
Pretension Keeping Device



Customized Products

With the development of architecture technology and the promotion of green building around world, stainless steel, a green construction material, has been used more and more in many kinds of constructions. With the strong design team and many years of experience in manufacture of stainless steel architectural fittings, KIN LONG has made a large number of stainless steel connecting fittings for many customers at home and abroad in recent years. Please contact our representative office all around the world if you need any stainless steel connecting fittings, and we will be delighted to serve you.

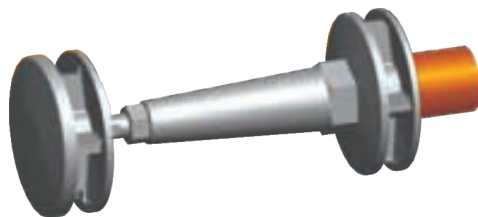
Zhenjiang Sports International Convention and Exhibition Center



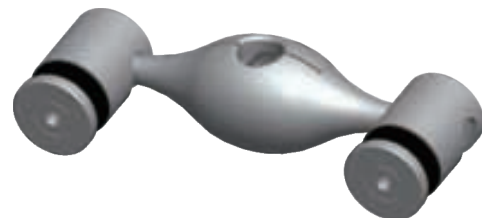
Shenzhen Ping An International Financial Center



Beijing Golden Center



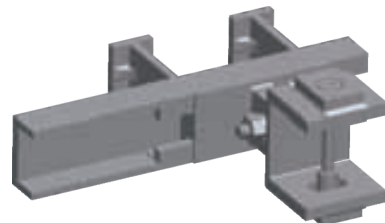
Project in California, U.S.A



Shanghai Chongming County Cultural and Technology Center



Shenzhen Stock Exchange



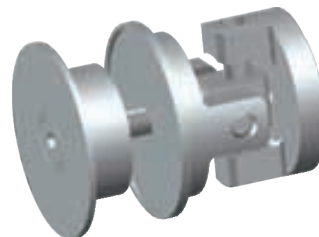
Burj Khalifa in Dubai



Burj Khalifa in Dubai



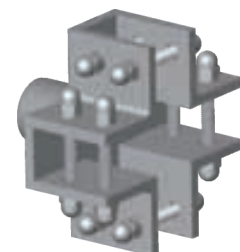
Project in Hungary



Project in India



Hangzhou Post Building

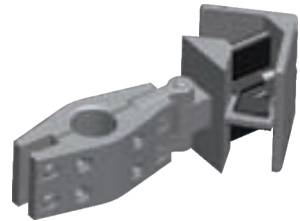


Cleveland Clinic of Abu Dhabi





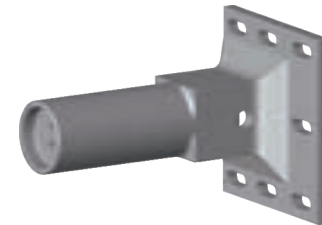
Shenyang Hanglung Plaza



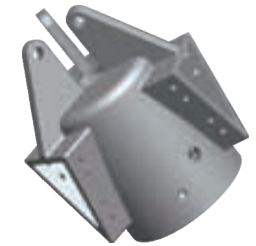
HTC Headquarters Mansion in Taiwan



Investment Council in Abu Dhabi



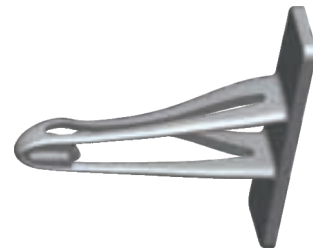
Investment Council in Abu Dhabi



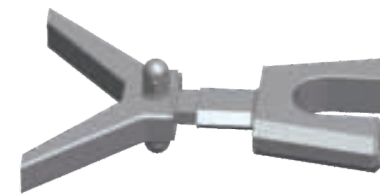
ASOK Terminal 21 in Thailand



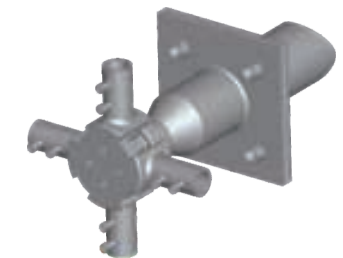
Shanghai Zhongjian Building



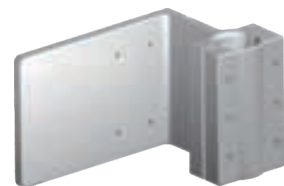
Guangzhou Asian Games City



Shenzhen Airport



Chongqing Jiangbei Airport



Middle East Petroleum Building in Abu Dhabi



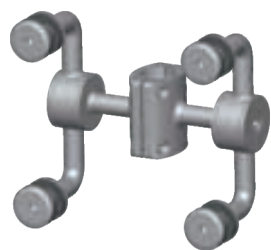
Shanghai Culture Square



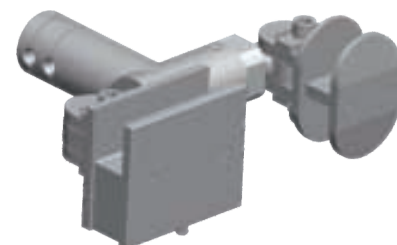
Shijiazhuang Airport



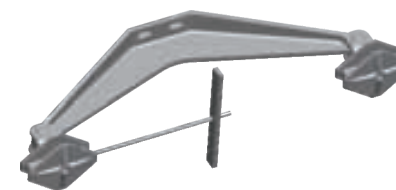
Dongguan Wing Lung Business Hotel



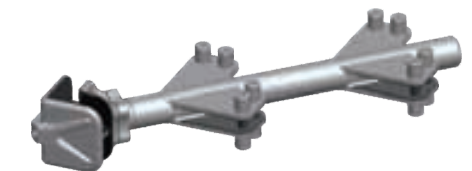
Guangzhou West Tower



Project in Spain

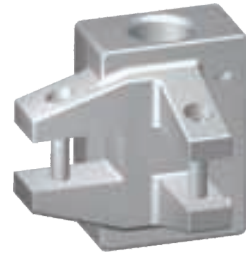


Shenzhen Zuotingyoyuan

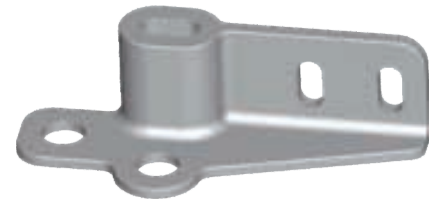




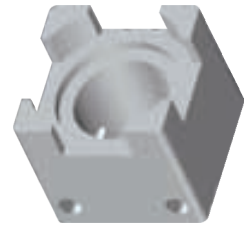
Shanghai Siemens



Suzhou Science and Culture Arts Centre



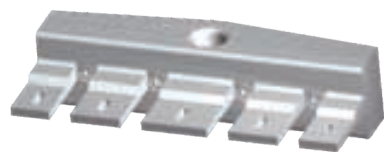
Project in Singapore



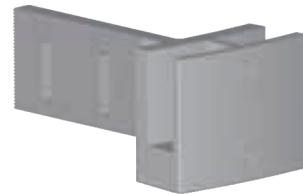
Project in Japan



Egyptian Museum



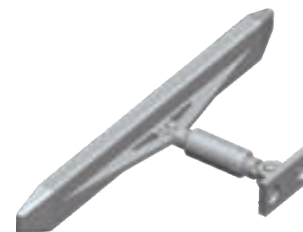
Stubbs Road in Hongkong



Boustead College in Hongkong



Shanghai Culture Square



## Installation Tools



### Statement

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