

连接金具 Link fitting

在架空电力线路和变电所中，连接金具的作用：一是用连接金具将悬式绝缘子与悬垂线夹组成悬垂串，并用它悬挂导线或直线在杆塔上；二是用连接金具将悬式绝缘子与耐张线夹组成耐张串并用它将导线固定在非直线杆塔上(耐张杆塔上)。

连接金具按其安装条件的不同，分专用连接金具和通用连接金具两类。专用连接金具是指与绝缘子相连的球头挂环和碗头挂板。通用连接金具适用各种情况，按荷重吨位分级，荷重相同的同类金具有互换性；荷重相同、不同种类的连接金具有互换性。

产品型号中字母挂板数字的意义为：

Q- 球头挂环 P- 平面(平行)接触 W- 碗头 S- 双联 U-U 型

L- 联板、拉杆、菱形 Z- 直角 Y- 延长 B- 板 F- 方形 J- 加强 T- 调整

专用连接金具的球和窝其连接尺寸符合 IEC-120(绝缘子串元件的球窝连接尺寸)和 GB4056-83(高压线路悬式绝缘子联接结构尺寸)的规定。

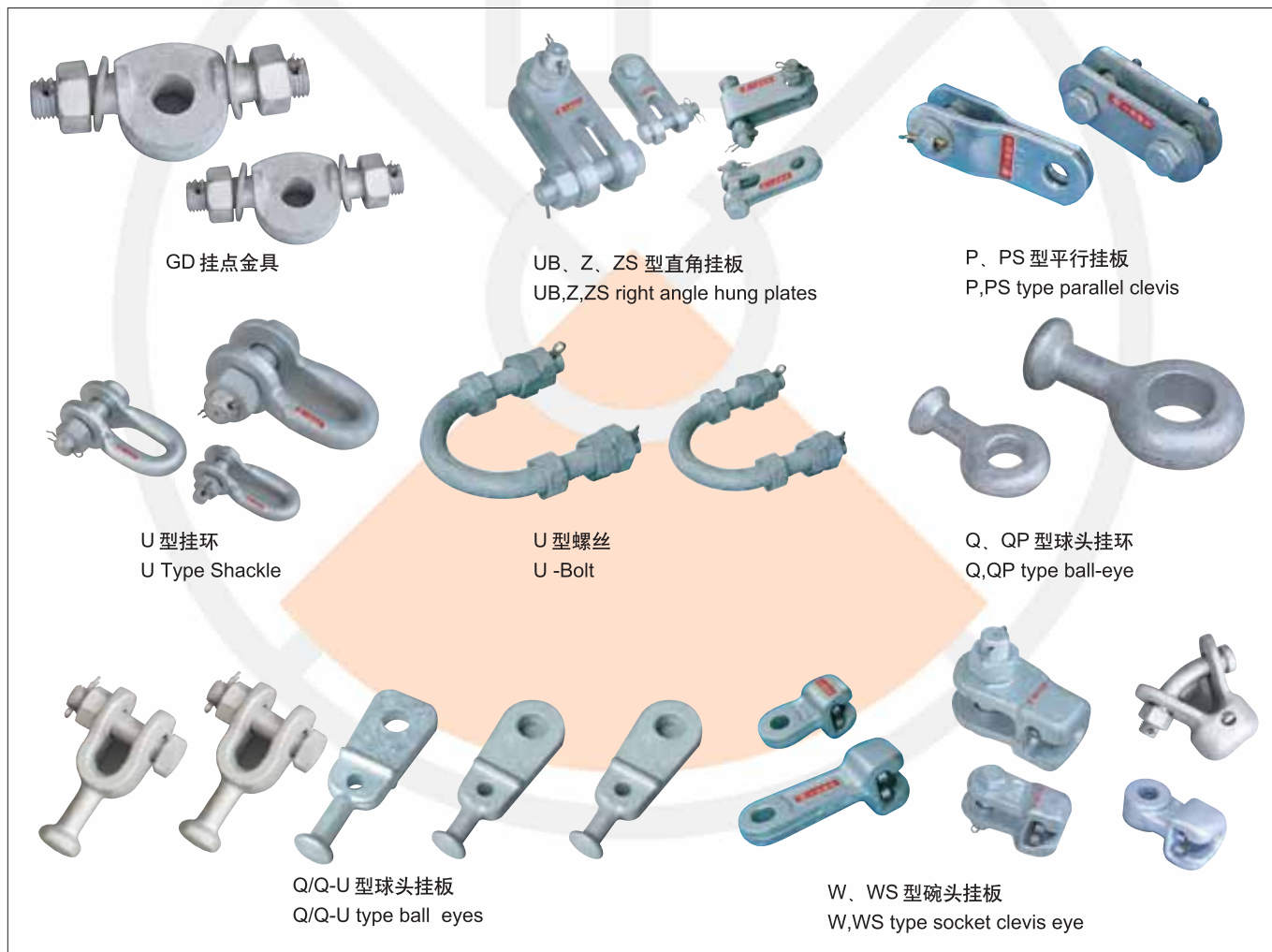
Link fitting are used to link clamps to insulator, or to link insulator and ground wire clamp to tower arms or subjection structures. Link fitting have special type and common type in accordance with mounting condition. The special type includes the ball-eye and socket-clevis linking with insulator. The common type is usually pin connected type. They have different grades according to the load and are exchangeable for the same grade.

The meanings of letter & Arabic figures in the catalog are shown as follow.

Q-ball eye P-plane, parallel W-socket clevis S-double U-U type L-yoke plate, tension rod, rhomb

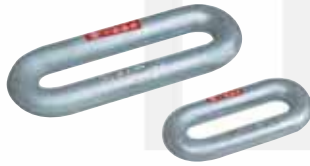
Z-90° angle Y-extension B-plate F-square J- strengthen, grading ring T- Adjustable.

Dimensions of ball and socket for the special type are in accordance with " dimension of ball and socket coupling of string insulator units " IEC-120 and " Dimension of hanging insulator units for high voltage transmission line " GB 4056-83

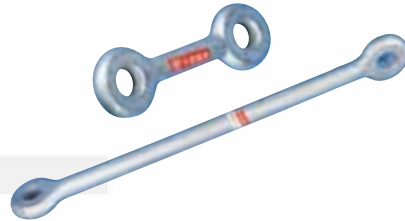




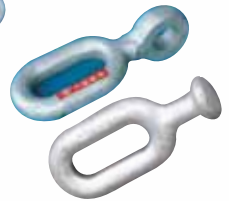
BD 避雷线悬垂吊架
BD ground wire hangers



PH 型延长环
PH type extension ring



YL, YLP 拉杆
YL, YLP Extension rods



ZH/QH 型挂环
ZH/QH link



LS 联板
LS Yoke plate



L 型联板
L Yoke plate



PT 调整板
PT adjusting plates



LF 型联板
LF Yoke plate



LJ 型联板
LJ Yoke plate



QY 型牵引板
QY Towing plates



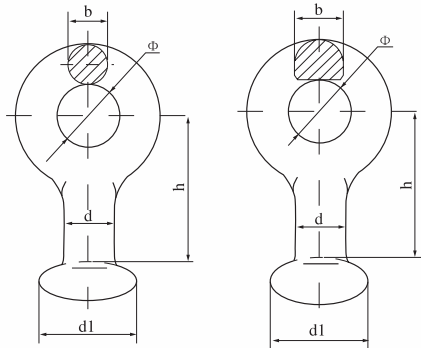
DB 型调整板
DB Adjusting plates



ZCJ 支撑架
ZCJ support brackets

1、球头挂环

Ball Eyes

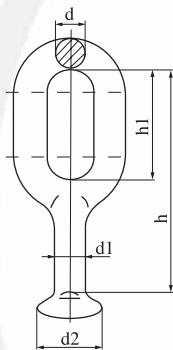


型号 Catalog No.	主要尺寸 Dimensions (mm)					连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	d	Ø	b	d1	h			
Q-7	17	22	16	33.3	50	16	70	0.3
QP-7	17	20	16	33.3	50	16	70	0.3
QP-10	17	20	16	33.3	50	16	100	0.3
QP-12	17	24	16	33.3	60	16	120	0.5
QP-12G	17	24	17	33.3	60	16	120	0.4
QP-16	21	26	20	41.0	60	20	160	0.5
QP-16G	21	26	18	41.0	60	20	160	0.5
QP-20	25	30	24	49.0	80	24	200	1.0
QP-21D	21	30	24	41.0	70	20	210	0.9
QP-30	25	39	28	49.0	80	24	300	1.1
QP-2120G	21	26	20	41.0	80	20	210	0.7
QP-3224G	25	33	28	49.0	80	24	320	1.2
QP-4228G	29	39	32	57.0	100	28	420	1.5

热镀锌钢制件。
Hot-dip galvanized steel.

2、球头挂环

Ball Eyes

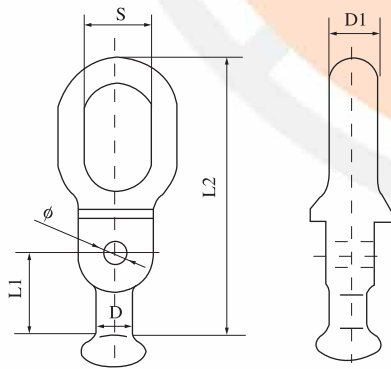


型号 Catalog No.	主要尺寸 Dimensions (mm)					连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	d	d1	d2	h	h1			
QH-7	16	17	33.3	100	57	16	70	0.6
QH-10	16	17	33.3	110	60	16	100	1.1
QH-12	19	17	33.3	90	45	16	120	1.1
QH-16	18	21	41.0	127	80	20	160	1.3
QH-20/16	22	21	41.0	135	85	20	160	1.5
QH-21	20	21	41.0	150	80	20	210	1.3
QH-30	22	25	49.0	150	98	24	300	1.7

热镀锌钢制件。
Hot-dip galvanized steel.

3、球头挂环(环孔平行型)

Ball Eyes (Parallel Type)

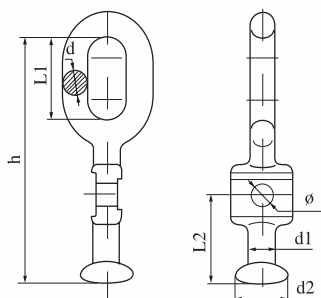


型号 Catalog No.	适用绝缘子 Suitable Insulator	主要尺寸 Dimensions (mm)						标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
		L1	L2	S	D	D1	Ø		
Q-7M	XP-7	60	130	18	16	16	14	70	1.0
Q-12M	XP-12	70	145	22	18	18	14	120	1.3

热镀锌钢制件。
Hot-dip galvanized steel.

4、球头挂环

Ball Eyes

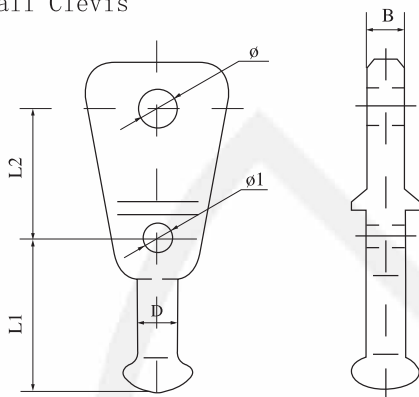


型号 Catalog No.	主要尺寸 Dimensions (mm)							连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	h	d	Ø	d1	d2	L1	L2			
Q-10N	152	16	14	17	33.3	51	55	16	100	0.7
Q-12N	165	18	14	17	33.3	68	55	16	120	0.8

热镀锌钢制件。
Hot-dip galvanized steel.

5、球头挂板

Ball Clevis

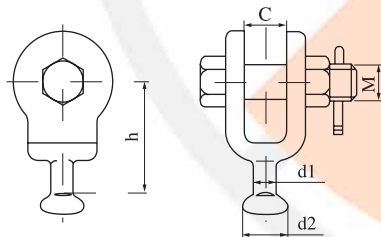


型号 Catalog No.	适用绝缘子 Suitable Insulator	主要尺寸 Dimensions (mm)						标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
		L1	L2	D	Ø	Ø1	B		
Q-7P	XP-7	70	60	17	20	14	16	70	1.1
Q-12P	XP-12	70	65	17	24	14	18	120	1.3

热镀锌钢制件。
Hot-dip galvanized steel.

6、球头挂板

Ball Clevis

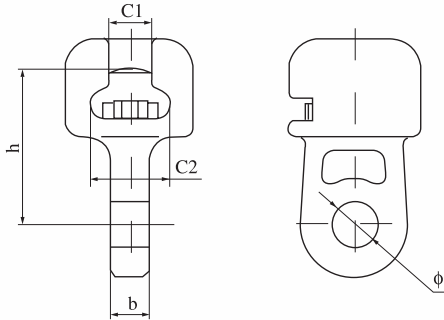


型号 Catalog No.	主要尺寸 Dimensions (mm)					连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	h	d1	d2	M	C			
Q-7U	75	17	33.3	16	19	16	70	0.56
Q-12U	94	17	33.3	22	22	16	120	0.85
Q-16U	78	21	41.0	18	24	20	160	0.98
Q-16UA	80	21	41.0	24	26	20	160	1.12
Q-21U	102	21	41.0	27	30	20	210	1.35
Q-30U	110	25	49	36	38	24	300	2.14

热镀锌钢制件。
Hot-dip galvanized steel.

7、碗头挂板

Socket-Clevis



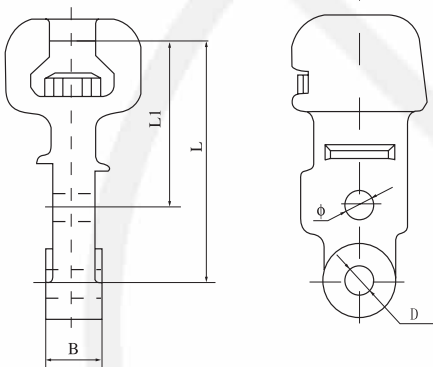
型号 Catalog No.	主要尺寸 Dimensions (mm)					连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	C1	C2	h	Ø			
W-7A	16	19.2	34.5	70	20	16	70	0.80
W-7B	16	19.2	34.5	115	20	16	70	0.92
W ₁ -10	18	19.2	34.5	85	20	16	100	0.90
W ₁ -12	20	19.2	34.5	90	24	16	120	1.30
W-12 大	20	23	42.5	90	24	20	120	1.40
W-12 小	18	19.2	34.5	85	24	16	120	1.30
W-30	32	27.5	51.0	110	39	24	300	3.50

碗头挂板为可锻铸铁件或铸钢件，W型锁紧销为青铜件或不锈钢件，闭口销为不锈钢件，钢铁制件热镀锌。

The socket-clevis eyes are malleable iron or casting steel, these security clips are bronze or stainless steel, cotter pins are stainless, ferrous parts are hot-dip galvanized.

8、碗头挂板(带孔 W 型)

Socket Clevis (Type W)



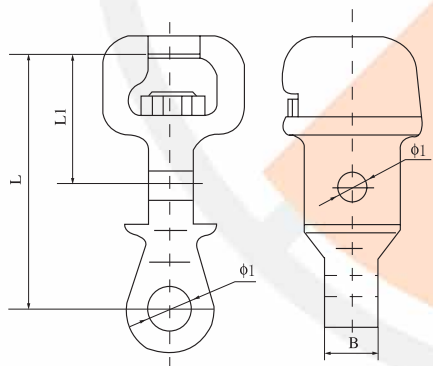
1)碗头挂板

Socket Eyes

型号 Catalog No.	适用绝缘子 Suitable Insulator	主要尺寸 Dimensions(mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
		L	L1	B	D	Ø		
W ₁ -7k	XP-7 XP-4.5	120	70	20	18	14	70	1.0
W ₁ -12k	XP-12	120	70	22	24	14	120	1.3

W₁-7k 碗头挂板为可锻铸铁件，W₁-12k 为铸钢件，热镀锌。W 型锁紧销为青铜件或不锈钢件。

W₁-7K socket eye is malleable iron, W₁-12K socket eye is casting steel, the security clips are bronze or stainless steel. All ferrous parts are hot-dip galvanized.



2)碗头挂板

Socket Eyes

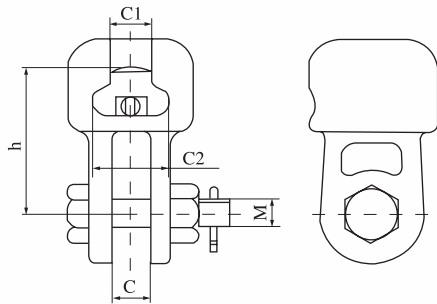
型号 Catalog No.	适用绝缘子 Suitable Insulator	主要尺寸 Dimensions(mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
		L	L1	Ø1	Ø2	B		
W ₁ -7R	XP-7 XP-4.5	120	70	20	14	20	70	1.0
W ₁ -12R	XP-12	120	70	22	14	22	120	1.3

W₁-7R 碗头挂板为可锻铸铁件，W₁-12R 为铸钢件，热镀锌。W 型锁紧销为青铜件或不锈钢件。

W₁-7R socket eye is malleable iron, W₁-12R is casting steel, the security clips are bronze or stainless steel. All ferrous parts are hot-dip galvanized.

9、碗头挂板

Socket-Clevis



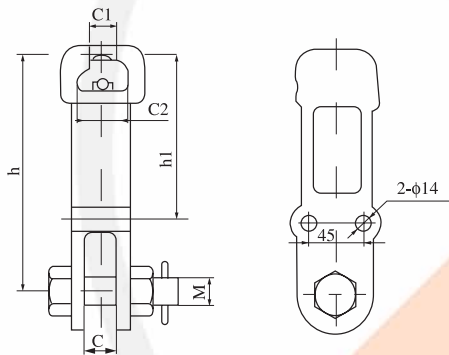
型号 Catalog No.	主要尺寸 Dimensions (mm)					连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	C1	C2	M	h			
WS-7	18	19.2	34.5	16	70	16	70	0.97
WS-10	20	19.2	34.5	18	85	16	100	1.70
WS-12G	20	19.2	34.5	18	85	16	120	1.70
WS-12	24	19.2	34.5	22	85	16	120	3.81
WS-12X	24	19.2	34.5	22	90	16	120	3.10
WS-12A	20	19.2	34.5	22	85	16	120	1.80
WS-16	26	23.0	42.5	24	95	20	160	2.64
WS-21	30	23.0	42.5	27	100	20	210	4.30
WS-20DF	30	23.0	42.5	27	100	20	200	4.50
WS-30	36	27.5	51.0	36	110	24	300	5.70
WS-16G	22	23.0	42.5	24	95	20	160	2.64
WS-21G	24	27.5	51.0	24	100	24	210	3.50
WS-32G	32	27.5	51.0	30	110	24	320	4.80
WS-42G	36	32.0	59.0	36	120	28	420	5.60

碗头挂板为可锻铸铁件或铸钢件，W型锁紧销为青铜件或不锈钢件，闭口销为不锈钢件，钢铁制件热镀锌。

The socket-clevis eyes are malleable iron or casting steel. These curly clips are bronze or stainless steel. Cotter pins are stainless. Ferrous parts are hot-dip galvanized.

10、碗头挂板(加长 WS 型)

Socket-Clevis (Type WS)



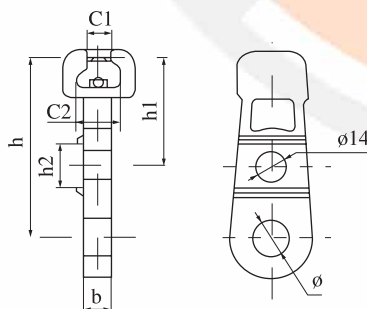
型号 Catalog No.	主要尺寸 Dimensions (mm)						连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	C1	C2	M	h	h ₁			
WS-7AG	18	19.2	34.5	16	105	51.5	16	70	2.1
WS-16A	26	23.0	42.5	24	195	135.5	20	160	4.3
WS-21B	30	23.0	42.5	27	195	95.0	20	210	4.7

碗头挂板为可锻铸铁件或铸钢件，W型锁紧销为青铜件或不锈钢件，闭口销为不锈钢件，钢铁制件热镀锌。

The socket-clevis eyes are malleable iron or casting steel. These curly clips are bronze or stainless steel. Cotter pins are stainless. Ferrous parts are hot-dip galvanized.

11、碗头挂板

Socket-Clevis



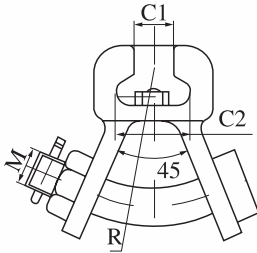
型号 Catalog No.	主要尺寸 Dimensions (mm)							连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	C1	C2	Ø	h	h ₁	h ₂			
WH-12	16	19.2	34.5	24	145	90	27	16	120	1.2

碗头挂板为可锻铸铁件或铸钢件，W型锁紧销为青铜件或不锈钢件，闭口销为不锈钢件，钢铁制件热镀锌。

The socket-clevis eyes are malleable iron or casting steel. These curly clips are bronze or stainless steel. Cotter pins are stainless. Ferrous parts are hot-dip galvanized.

12、碗头挂板

Socket-Clevis



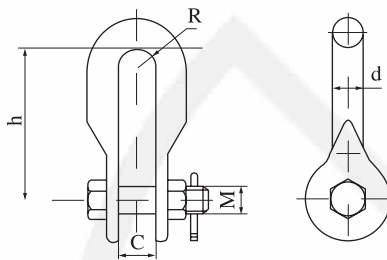
型号 Catalog No.	主要尺寸 Dimensions (mm)				连接标记 Designated size of coupling	标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C1	C2	M	R			
WSY-21	23.0	42.5	27	100	20	210	4.1
WSY-30	27.5	51.0	30	110	24	300	4.9

碗头挂板为铸钢件，弹簧销为青铜件或不锈钢件，闭口销为不锈钢件，其余为钢制件钢铁制件热镀锌。

The socket-clevis eyes are malleable iron or casting steel. These curly clips are bronze or stainless steel. Cotter pins are stainless steel. Ferrous parts are hot-dip galvanized.

13、U型挂环

Shackle



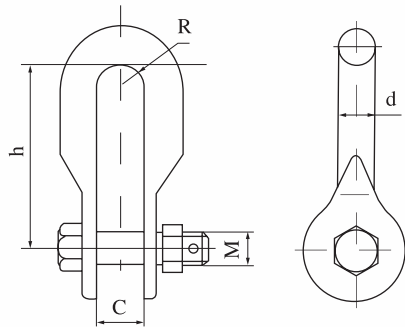
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	M	d	h	R		
U-7	20	16	16	80	10	70	0.44
U-10	22	18	18	85	11	100	0.54
U-12	24	22	20	90	12	120	0.96
U-16	26	24	22	95	13	160	1.47
U-21	30	27	24	100	15	210	2.2
U-25	34	30	26	110	17	250	2.79
U-30	38	36	30	130	19	300	3.75
U-30G.1	38	30	30	95	19	300	3.0
U-40	42	42	36	150	21	400	6.99
U-50	44	42	36	150	22	500	6.99
U-50G.1	40	36	36	170	20	500	6.55
U-60	50	48	185	38	25	600	10.75
U-60A	46	42	42	172	23	600	7.50
U-21G	24	24	22	100	12	210	1.5
U-32G	32	30	28	100	16	320	3.0
U-42G	36	36	32	110	18	420	4.60
U-50G	36	36	34	120	18	500	5.30

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other part shot-dip galvanized steel.

14、U 型挂环

Shackle



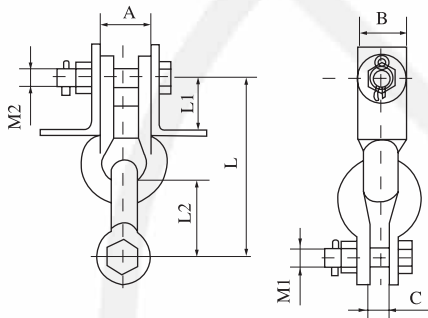
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	M	d	h	R		
UF-7	20	16	16	60	10	70	0.50
UF-10	22	18	18	70	11	100	0.54
UF-12	24	22	20	80	12	120	0.96
UF-16	26	24	22	90	13	160	1.47
UF-20	30	27	24	100	15	200	2.20
UF-25	34	30	26	110	17	250	2.79
UF-30	38	36	30	130	19	300	3.70
UF-40	42	42	36	150	21	400	7.00
UF-50	44	42	36	150	22	500	7.00

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other partshot-dip galvanized steel.

15、加强型 U 形挂环

Strengthened Shackle



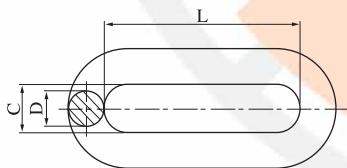
型号 Catalog No.	主要尺寸 Dimensions (mm)								标称破坏载荷 Specified Failure Load(kN)	参考重量 Weight (kg)
	A	B	C	M1	M2	L	L1	L2		
U-16J	60	60	30	24	24	195	75	87	160	5.7
U-20J	60	60	30	27	27	230	75	110	200	5.7
U-40J	70	108	44	42	42	323	125	120	400	13.9

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin is stainless steel, the other parts are hot-dip galvanized steel.

16、延长环(环体整锻)

Extension ring(ring monoblock forging)



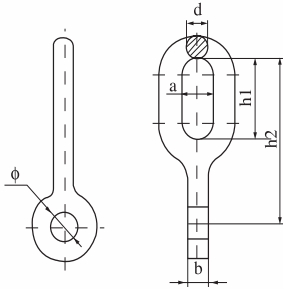
型号 Catalog No.	主要尺寸 Dimensions (mm)			标称破坏载荷 Specified Failure Load(kN)	参考重量 Weight (kg)
	C	D	L		
PH-7	20	16	80	70	0.4
PH-10	22	18	100	100	0.6
PH-12	24	20	120	120	0.9
PH-16	26	22	140	160	1.5
PH-21	30	24	160	210	1.6
PH-25	34	26	160	250	2.0
PH-30	38	30	180	300	3.0

热镀锌钢件

Hot-dip galvanized steel

17、直角挂环

Eye Chain Links

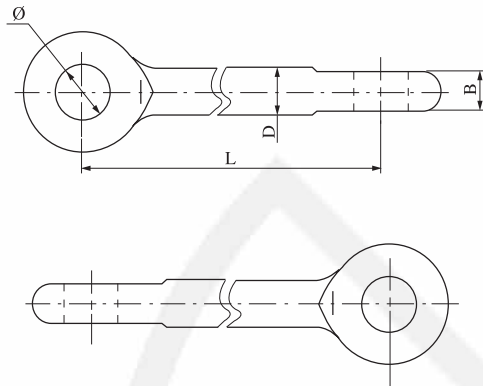


型号 Catalog No.	主要尺寸 Dimensions (mm)						标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	a	b	d	h1	h2	Ø		
ZH-7	24	16	16	57	95	20	70	0.85
ZH-10	24	16	18	55	100	20	100	1.12
ZH-12	24	16	20	65	103	24	120	1.20
ZH-16	26	18	22	75	135	26	160	1.80
ZH-21	30	27	25	75	150	30	210	1.90

热镀锌钢制件。Hot-dip galvanized steel.

18、拉杆

Extension rods



1) 拉杆

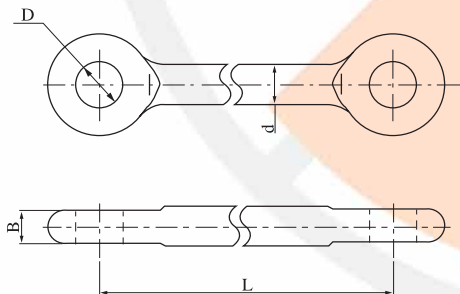
Extension rods

型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	D	Ø	B	L		
YL-1012	18	20	16	120	100	0.8
YL-1040	18	20	16	400	100	1.1
YL-1050	18	20	16	500	100	1.4
YL-1066	18	20	16	660	100	1.7
YL-1069	18	20	16	690	100	1.9
YL-1243	22	24	18	430	120	1.6
YL-1640	22	26	18	400	160	1.6
YL-1643	22	26	18	430	160	1.6
YL-1655	22	26	18	550	160	2.5
YL-1657	22	26	18	570	160	2.7
YL-2043	24	30	20	430	200	3.0
YL-2155	26	30	20	550	210	3.1
YL-2165	26	30	20	650	210	3.1

热镀锌钢件 Hot-dip galvanized steel

2) 拉杆

Extension rods



型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	d	D	B	L		
YLP-16260	24	26	20	260	160	1.6
YLP-16850	24	26	20	850	160	3.7
YLP-16910	24	26	20	910	160	3.9
YLP-16970	24	26	20	970	160	4.1
YLP-16990	24	26	20	990	160	4.3
YLP-25855	30	33	30	855	250	6.2
YLP-25915	30	33	30	915	250	6.6
YLP-25935	30	33	30	935	250	6.7

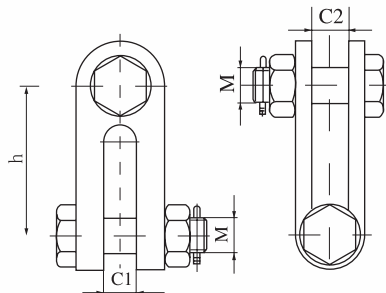
热镀锌钢件。Hot-dip galvanized steel.

19、挂板

Clevis

1) 挂板

Clevises



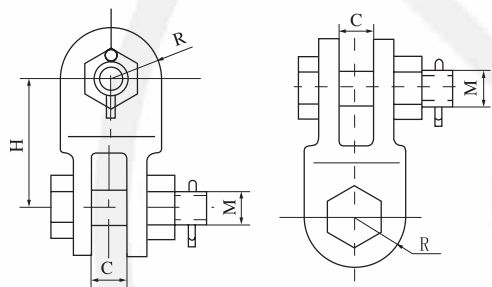
型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C1	C2	M	h		
Z-7	18	18	16	80	70	0.56
Z-10	20	20	18	80	100	0.87
Z-12	24	24	22	100	120	1.16
Z-16	26	26	24	100	160	2.38
Z-21	30	30	27	120	210	3.80
Z-25	33	33	30	120	250	5.00
Z-30	38	38	36	120	300	5.80
Z-40	44	44	42	180	400	14.00
Z-50	44	44	42	120	500	8.60
Z-16G	24	26	24	90	160	2.84
Z-21G	24	26	24	90	210	3.60
Z-32G	32	32	30	100	320	4.80
Z-42G	36	38	36	110	420	5.20
Z-64G	40	44	42	130	640	6.40

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other part shot-dip galvanized steel.

2) 挂板

Clevises



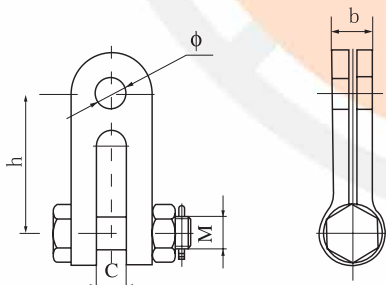
型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	R	M	H		
Z-25	34	40	30	100	250	2.8
Z-30	38	46	36	135	300	5.4
Z-40	42	50	36	150	400	8.6
Z-60	50	62	48	180	600	19.6

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other part shot-dip galvanized steel.

20、挂板

Clevis



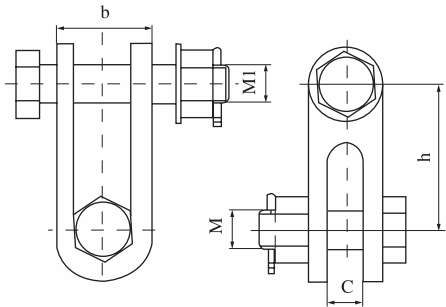
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	b	M	Ø	h		
ZS-7	18	16	16	18	80	70	0.58
ZS-665	20	22	16	20	65	70	0.65
ZS-10	20	18	18	20	80	100	0.90
ZS-16	26	24	24	26	90	160	1.60
ZS-25	33	30	30	33	120	250	4.33
ZS-30	38	34	36	39	150	300	5.64

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other part shot-dip galvanized steel.

21、挂板

Clevis



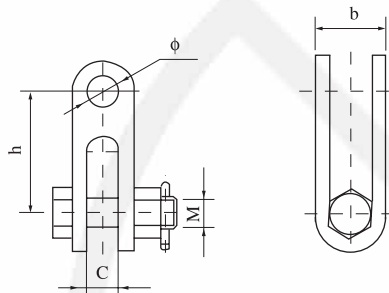
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	M	M1	b	h		
ZBS-16	26	24	24	60	63	160	4.8
ZBS-20	26	24	24	60	100	200	5.08
ZBS-25	30	27	27	60	120	250	6.65
ZBS-32	38	36	36	60	136	320	7.40
ZBS-32/16	26	24	36	60	140	160	6.8
ZBS-32/21	30	27	36	60	140	210	7.2

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other part shot-dip galvanized steel.

22、挂板(ZBS 型悬垂用)

Clevis



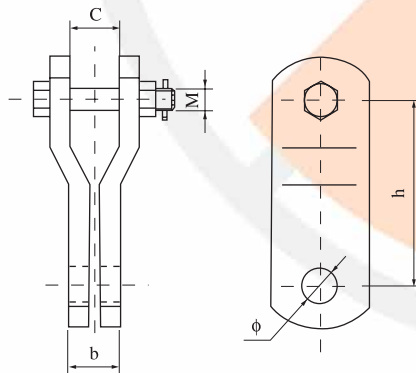
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	Ø	M	b	h		
ZBS-6-1	22	18	16	30	70	70	1.8
ZBS-12-1	28	24	18	44	85	120	3.8
ZBS-15-1	28	26	18	44	85	150	4.1

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other part shot-dip galvanized steel.

23、挂板

Clevis



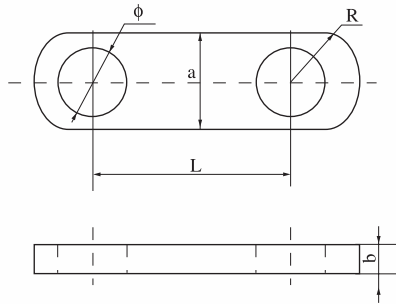
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	b	M	h	Ø		
PS-7	18	16	16	90	20	70	0.60
PS-10	20	20	18	90	20	100	0.80
PS-12	20	20	22	95	24	120	1.50
PS-16	26	24	24	155	26	160	2.70
PS-30	38	34	36	140	39	300	5.30

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel, the other part shot-dip galvanized steel.

24、挂板

Clevis

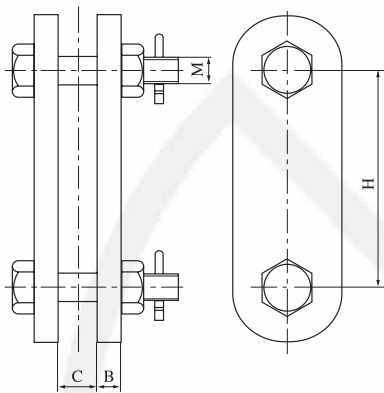


型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	a	b	L	Ø	R		
PD-7	40	16	70	18	22	70	0.57
PD-10	45	16	80	20	24	100	0.86
PD-12	50	16	100	24	26	120	1.05
PD-16	60	18	100	26	32	160	1.28
PD-20	72	26	120	30	36	200	2.50

热镀锌钢制件。
Hot-dip galvanized steel.

25、挂板

Clevis

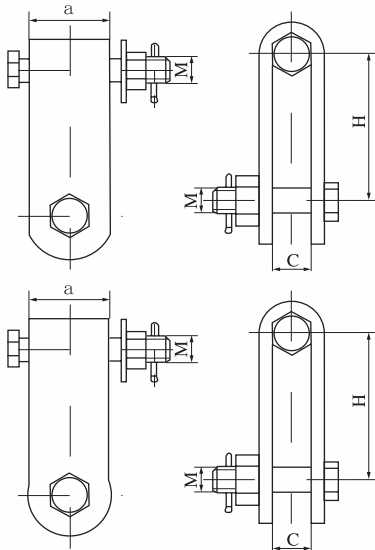


型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	B	C	M	H		
P-7	6	18	16	70	70	0.60
P-10	8	20	18	80	70	0.85
P-12	10	24	22	90	120	1.52
P-16	12	26	24	100	160	2.42
P-1630	12	26	24	300	160	4.80
P-21	14	30	27	120	210	4.09
P-25	16	34	30	120	250	5.20
P-30	16	38	36	120	300	4.74
P-2018	14	30	27	180	200	5.10
P-2024	14	30	27	240	200	6.00
P-2030	14	30	27	300	200	6.90
P-2036	14	30	27	360	200	7.80
P-2042	14	30	27	420	200	8.70
P-2048	14	30	27	480	200	9.70
P-2054	14	30	27	540	200	10.60
P-3018	16	38	36	180	300	6.10
P-3024	16	38	36	240	300	7.30
P-3030	16	38	36	300	300	8.40
P-3036	16	38	36	360	300	9.10
P-3042	16	38	36	420	300	10.90
P-3048	16	38	36	480	300	12.10
P-3054	16	38	36	540	300	13.30
P-5012	20	40	42	120	500	11.20
P-5024	20	40	42	240	500	14.50
P-50	20	40	42	200	500	12.50
P-16G	12	22	24	90	160	2.70
P-21G	12	24	24	120	210	3.20
P-32G	16	32	30	120	320	4.20
P-42G	18	36	36	150	420	9.30

闭口销为不锈钢件，其余为热镀锌钢制件。
The cotter pin are stainless steel, the other part shot-dip galvanized steel.

26、挂板

Clevis



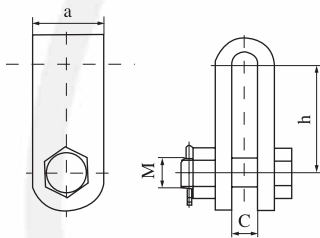
型号 Catalog No.	简图 Fig (mm)	主要尺寸 Dimensions(mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
		C	M	H	a		
UB-7	1	18	16	70	45	70	0.75
UB-10	1	20	18	80	45	100	1.08
UB-12	1	24	22	100	60	120	2.82
UB-16	1	26	24	100	60	160	2.89
UB-16G	1	24	20	90	48	160	2.40
UB-20T	2	30	27	120	60	200	3.90
UB-21	1	30	27	120	70	210	3.80
UB-25T	2	34	30	150	60	250	5.70
UB-30T	2	38	36	150	60	300	7.00
UB-40T	2	44	42	150	80	400	8.20
UB-60T	2	50	48	180	70	600	15.55

闭口销为不锈钢件，其余为热镀锌钢制件

The cotter pin are stainless steel,the other partshot-dip galvanized steel.

27、挂板(UB 型悬垂用)

Clevis



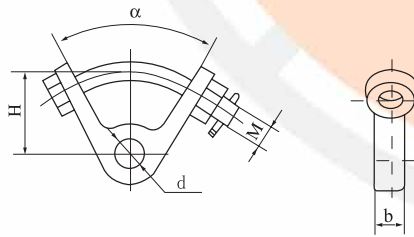
型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	C	M	h	a		
UB-6-1	20	16	65	30	70	0.82
UB-9-1	20	18	65	40	100	1.20
UB-7G	20	16	65	40	70	0.80

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel.the other partshot-dip galvanized steel.

28、挂板

Clevis



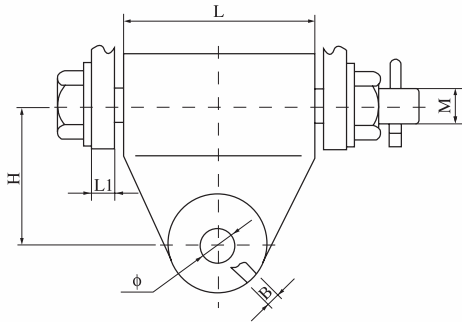
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	d	M	b	H	a		
V-7	18	20	40	75	60°	70	1.8
VD-7	18	20	28	75	60°	70	1.4

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel.the other partshot-dip galvanized steel.

29、联塔挂板

Joint hung plate



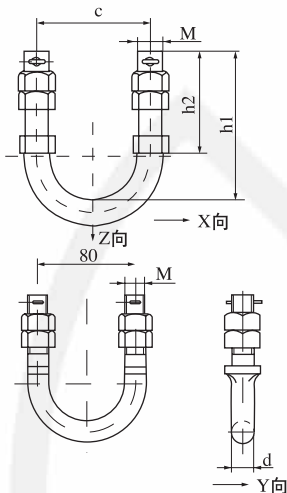
型号 Catalog No.	主要尺寸 Dimensions (mm)						标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	B	Ø	H	M	L	L1		
LT-16	18	26	100	24	80	20	160	3.5
LT-30	32	39	100	36	80	25	300	6.8
EB-50D	34	39	125	36	116	25	500	13.0
EB-70	38	45	125	42	136	26	700	14.4
EB-70A	38	45	150	64	195	30	700	29.9
EB-70B	42	51	150	64	195	30	700	29.7
EB-70C	38	45	125	42	116	28	700	13.3

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel.the other partshot-dip galvanized steel.

30、U形螺丝

U-Bolts



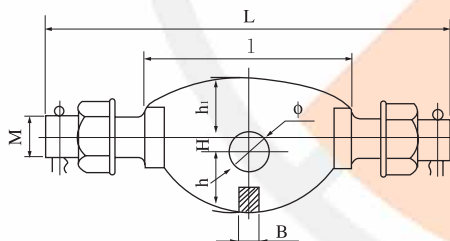
型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)			参考重量 Weight (kg)
	C	M	h1	h2	X向	Y向	Z向	
U-1880	80	18	110	75	18	3.5	35	0.83
U-2080	80	20	120	80	24	4.9	47	1.08
U-2280	80	22	130	90	28	6.5	57	1.30
UJ-1880	80	18	105	50	18	5.3	35	0.85
UJ-2080	80	20	120	60	24	7.4	47	1.10
UJ-2280	80	22	127	65	28	10.8	57	1.40

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel.the other partshot-dip galvanized steel.

31、挂点金具

Twisted Strap



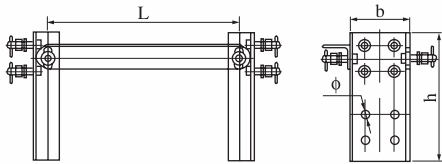
型号 Catalog No.	主要尺寸 Dimensions (mm)								标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	L	l	Ø	M	H	B	h	h1		
GD-12S	230	112	24	22	12	16	30	30	120	1.7
GD-21S	250	112	26	24	12	20	40	35	210	2.1
GD-32S	258	112	33	30	12	28	40	36	320	3.6
GD-42S	278	130	39	36	12	32	45	36	420	4.2
GD-50S	278	112	39	36	12	32	48	50	500	4.6
GD-12	250	112	24	22	12	16	30	35	120	1.35
GD-21	250	112	26	24	12	18	35	35	210	1.8
GD-30	264	112	33	30	12	30	46.5	35	300	3.3
GD-50	264	112	44	36	12	34	50	40	500	6.0
GD-60	290	112	50	42	16	42	50	46	600	6.5

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel.the other partshot-dip galvanized steel.

32、支撑架

Support Brackets



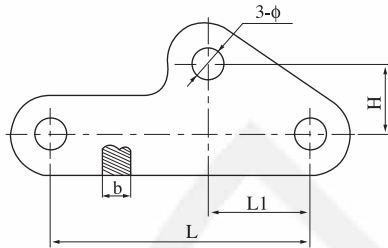
型号 Catalog No.	主要尺寸 Dimensions (mm)				参考重量 Weight (kg)
	Ø	b	h	L	
ZCJ-45	18	120	300	370	10.5
ZCJ-45H	18	120	445	358	14.2
ZCJ-50	18	120	300	416	13.1
ZCJ-50S	18	120	300	420	13.5

闭口销为不锈钢件，其余为热镀锌钢制件。

The cotter pin are stainless steel.the other partshot-dip galvanized steel.

33、牵引板

Towing Plates



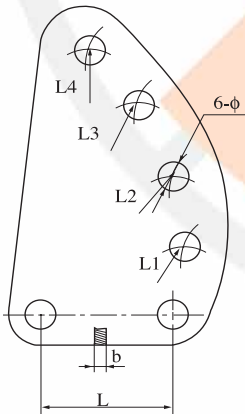
型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	Ø	H	L1	L		
QY-7	16	18	22	38	100	70	0.80
QY-10	16	20	25	42	120	100	1.10
QY-12	16	24	30	52	150	120	1.90
QY-16	18	26	35	55	180	160	2.60
QY-20	26	30	45	75	200	200	4.70
QY-50	45	45	70	100	260	500	15.4
QY-60	42	51	80	114	260	600	16.0
QY-21S	20	26	45	75	200	210	3.60
QY-25G	22	33	57	95	220	250	3.0
QY-32G	28	33	57	95	240	320	6.23
QY-30	32	39	57	95	240	300	7.30
QY-42G	32	39	70	100	260	420	6.5
QY-5026	38	45	75	120	260	500	13.00
QY-5036	38	45	70	120	360	500	13.40

热镀锌钢制件。

Hot-dip galvanized steel

34、调整板

Adjuster Plates



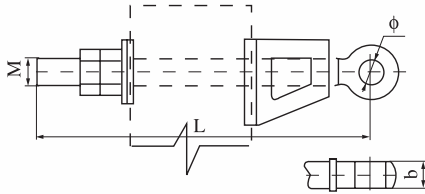
型号 Catalog No.	主要尺寸 Dimensions (mm)							标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	Ø	L	L1	L2	L3	L4	b		
DB-7	18	70	95	120	145	170	16	70	1.70
DB-10	20	80	110	140	170	200	16	100	2.70
DB-12	24	100	135	170	205	240	16	120	3.20
DB-16	26	110	125	140	155	170	18	160	4.10
DB-21	30	120	135	150	165	180	26	210	7.40
DB-25	33	120	140	160	180	200	30	250	11.50
DB-30	39	120	140	160	180	200	32	300	12.50
DB-60	51	135	160	185	210	235	42	600	21.60
DB-5024	45	140	165	190	215	240	38	500	18.50
DB-5032	45	140	185	230	275	320	38	500	14.40
DB-21G	26	120	135	150	165	180	20	210	6.20
DB-32G	33	120	140	160	180	200	38	320	9.20

热镀锌钢制件。

Hot-dip galvanized steel

35、避雷线悬垂吊架

Ground Wire Hange

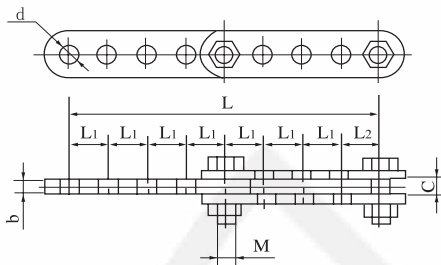


型号 Catalog No.	适用范围 Suitable Range	主要尺寸 Dimensions (mm)				参考重量 Weight (kg)
		b	Ø	M	L	
BD-1839	Ø190 锥形钢筋混凝土	18	18	20	390	4.26
BD-2244	Ø230 锥形钢筋混凝土	18	22	20	440	4.77
BD-2451	Ø300 锥形钢筋混凝土	18	24	20	510	5.25
BD-2762	Ø400 锥形钢筋混凝土	18	27	20	620	7.10

热镀锌钢制件。
Hot-dip galvanized steel.

36、调整板

Adjuster Plates

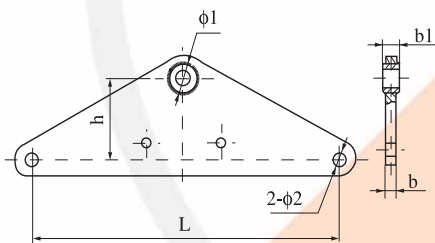


型号 Catalog No.	主要尺寸 Dimensions (mm)								标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	L1	L2	M	d	b	C	L			
PT-7	45	60	16	18	16	18	225	345	70	2.00
PT-10	50	65	18	20	16	20	225	300	100	2.90
PT-12	60	75	22	24	16	24	300	465	120	5.20
PT-16	65	50	24	26	18	26	325	505	160	7.00
PT-21	70	60	27	30	26	30	350	550	210	10.14
PT-30	80	70	36	39	32	38	400	630	300	14.00
PT-50	160	80	42	45	38	40	740	1280	500	24.60
PT-60	180	90	48	51	42	44	820	1390	600	31.60

闭口销为不锈钢件，其余为热镀锌钢制件
The cotter pin are stainless steel, the other part shot -dip galvanized steel

37、联板

Yoke Plates

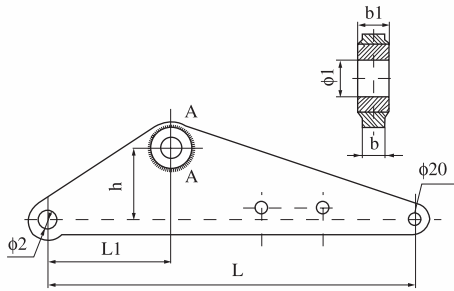


1) 联板

Yoke Plates

型号 Catalog No.	主要尺寸 Dimensions (mm)						标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	b1	h	Ø1	Ø2	L		
L-1040	16	16	70	20	18	400	100	4.43
L-1240	16	16	70	24	18	400	120	4.66
L-1640	18	18	100	26	20	400	160	5.80
L-2140	16	26	100	30	20	400	210	6.90
L-2052	16	26	100	30	26	520	200	8.00
L-2055	16	26	200	30	24	550	200	11.80
L-2540	16	30	110	33	24	400	250	9.00
L-3040	18	32	110	39	26	400	300	10.00
L-4255	24	38	250	45	30	550	420	24.40
L-5040	30	38	110	45	33	400	500	14.80
L-6045	32	42	200	51	39	450	600	25.50
L-6050	32	42	250	51	39	500	600	23.30

热镀锌钢制件。
Hot-dip galvanized steel



2) 联板

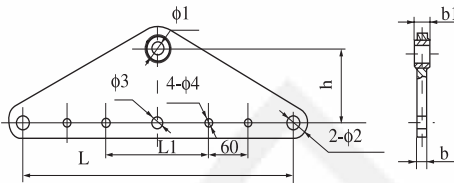
Yoke Plates

型号 Catalog No.	主要尺寸 Dimensions (mm)							标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	b1	h	Ø1	Ø2	L	L1		
L-2060	18	26	120	30	24	600	200	200	11.80
L-3060	18	32	140	39	30	600	200	300	16.70

热镀锌钢制件。
Hot-dip galvanized steel

3) 联板

Yoke Plates

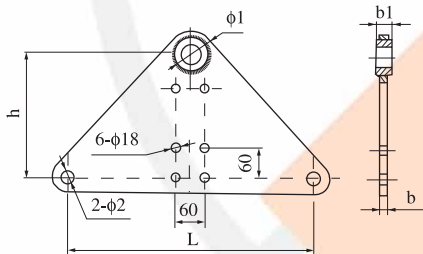


型号 Catalog No.	主要尺寸 Dimensions (mm)									标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	b1	h	L	L1	Ø1	Ø2	Ø3	Ø4		
L-1245	16	16	100	450	190	24	20	18	18	120	5.0
L-1650S	18	18	130	500	240	26	20	18	18	160	8.5
L-2-1645	22	22	100	450	70	26	20	18	18	160	8.4
L-1645G	18	18	130	450	130	26	20	20	18	160	7.8
L-2045X	18	26	130	450	190	30	20	20	18	200	7.4
L-2045A	18	26	130	450	190	30	20	18	18	200	8.0
L-2145	18	26	100	450	190	30	20	18	28	210	7.8
L-2150S	20	20	140	500	240	26	20	20	18	210	10.7
L-4045G	26	38	175	450	60	45	30		18	400	13.7

热镀锌钢制件。
Hot-dip galvanized steel

4) 联板

Yoke Plates

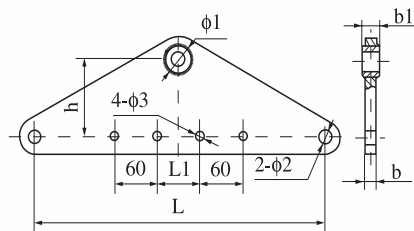


型号 Catalog No.	主要尺寸 Dimensions (mm)							标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	b1	h	Ø1	Ø2	L			
L-1045	16	16	250	20	20	450		100	15.0
LT-1245	16	16	250	24	20	450		120	11.3
L-1645	16	26	250	30	20	450		160	16.0
L-2045	16	24	250	30	20	450		200	19.0
L-3045	18	32	250	39	26	450		300	11.0
L-3050	18	32	250	39	26	500		300	10.0
L-1645G	18	18	250	20	20	450		160	14.9
L-2145G	16	26	250	30	24	450		210	13.6
L-2150GN	20	20	250	26	26	500		210	21.0
L-3245GN	18	28	250	33	26	450		320	17.6
L-4250G	20	32	250	39	26	500		420	22.0
L-5045B	30	40	200	45	30	450		500	17.4

热镀锌钢制件。
Hot-dip galvanized steel

L

连接金具
Link fitting



5) 联板

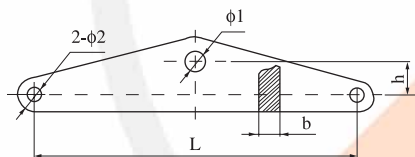
Yoke Plates

型号 Catalog No.	主要尺寸 Dimensions (mm)								标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	b ₁	h	L	L ₁	Ø ₁	Ø ₂	Ø ₃		
L-1645X	18	18	110	450	60	26	20	18	160	6.50
L-1650	22	22	110	500	60	26	24	14	160	11.10
L-2560	22	30	110	600	210	33	26	18	250	13.80
L-3045	20	32	120	450	60	39	26	18	300	9.80
L2-3045G	22	32	110	450	60	39	26	18	300	10.50
L-4050A	26	38	130	450	60	39	30	18	400	16.90
L-4250	26	38	160	500	60	45	30	18	420	18.10
L-1250G	16	16	120	500	60	24	18	18	120	7.80
L-1650G	18	18	130	500	60	26	18	18	160	9.10
L-2145G	20	20	120	450	60	26	20	18	210	8.60
L-2150G	20	20	130	500	60	26	20	18	210	10.30
L-3245G	20	32	200	450	60	39	26	18	320	18.60
L-3250G	18	32	130	500	60	33	26	18	320	9.80
L-4255S	18	32	200	550	60	39	26	18	420	8.40
L-3260G	20	28	130	600	60	33	26	18	320	8.90
L-4250G	18	28	200	500	60	33	26	18	420	15.33
L-4260G	20	32	130	600	60	39	26	18	420	11.40
L-6450G	28	36	145	500	60	45	33	18	640	17.10
L-6460G	28	36	145	600	60	45	33	18	640	29.52
L-6470G	28	36	250	700	60	45	33	18	640	33.24

热镀锌钢制件。
Hot-dip galvanized steel

6) 联板

Yoke Plates

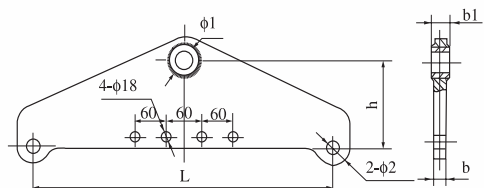


型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	h	Ø ₁	Ø ₂	L		
L-7	16	30	18	18	544	70	3.70
L-3070	30	160	39	33	700	300	22.4

热镀锌钢制件。
Hot-dip galvanized steel

7) 联板

Yoke Plates

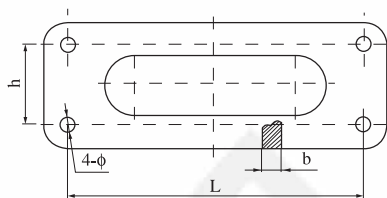


型号 Catalog No.	主要尺寸 Dimensions (mm)						标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	b1	h	L	Ø1	Ø2		
L-2545X	22	30	150	450	33	26	250	8.50
L-3045G	22	32	150	450	39	26	300	8.80

热镀锌钢制件。
Hot-dip galvanized steel

38、联板

Yoke Plates

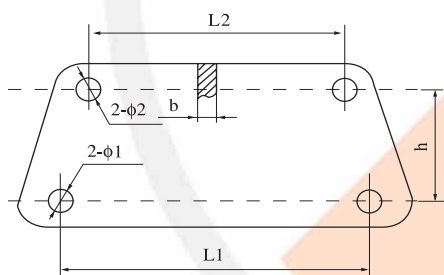


型号 Catalog No.	主要尺寸 Dimensions (mm)				标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	h	Ø	L		
LF-2140	16	70	20	400	210	5.50
LF-2540	16	110	24	400	250	11.0
LF-3040	18	120	26	400	300	11.2
LF-4055	26	190	30	550	400	26.6

热镀锌钢制件。
Hot-dip galvanized steel

39、联板

Yoke Plates



型号 Catalog No.	主要尺寸 Dimensions (mm)						标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	h	Ø1	Ø2	L1	L2		
LS-1212	16	65	18	20	400	120	120	5.00
LS-1221	16	65	18	20	400	210	120	5.35
LS-1225	16	65	18	20	400	250	120	5.54
LS-1229	16	65	18	20	400	290	120	5.73
LS-1233	16	65	18	20	400	330	120	5.92
LS-1237	16	65	18	20	400	370	120	6.11
LS-1255	16	65	18	20	400	550	120	8.66
L-305045	32	130	39	39	450	500	300	29.59
LE-425550	20	150	26	26	500	550	420	17.56
LE-845550	32	150	39	39	500	550	840	32.12

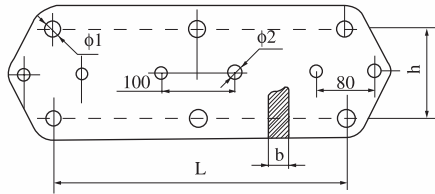
热镀锌钢制件。
Hot-dip galvanized steel.

L

Link fitting
连接金具

40、联板

Yoke Plates

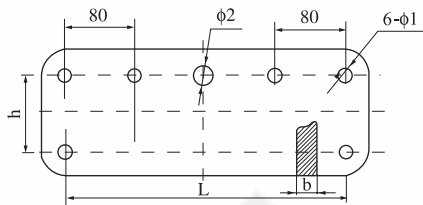


型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	h	Ø1	Ø2	L		
LJ-2540	16	120	24	18	400	250	11.10
LJ-3034	18	120	26	18	400	400	13.57

热镀锌钢制件。
Hot-dip galvanized steel

41、联板

Yoke Plates



1) 联板

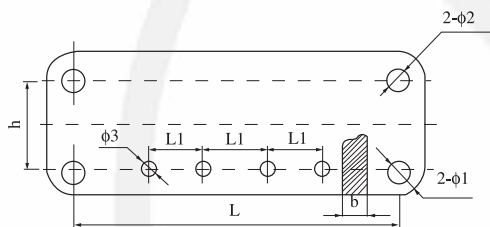
Yoke Plates

型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	h	Ø1	Ø2	L		
LJ-1040	16	70	18	20	400	100	6.50
LJ-1240	16	70	18	24	400	120	6.45
LJ-1640	18	100	20	26	400	160	9.54

热镀锌钢制件。
Hot-dip galvanized steel

2) 联板

Yoke Plates

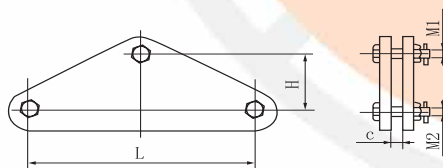


型号 Catalog No.	主要尺寸 Dimensions (mm)							标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	b	h	Ø1	Ø2	Ø3	L1	L		
LJ-3045A	18	110	26	26	18	60	450	300	12.0
LJ-4045A	22	110	30	32	18	60	450	400	17.0
LJ-6045A	32	120	39	39	18	60	450	600	28.0

热镀锌钢制件。
Hot-dip galvanized steel

42、双层联板

DoubleYoke Plates



型号 Catalog No.	主要尺寸 Dimensions (mm)					标称破坏载荷 Specified Failure Load (kN)	参考重量 Weight (kg)
	L	H	C	M1	M2		
L-1240S	400	180	18	20	16	120	6.0
L-1640S	400	100	22	24	16	160	7.3
L-2040S	400	110	26	27	18	200	8.9
L-12457S	457	80	18	20	16	120	6.4
L-16457S	457	100	22	24	16	160	7.6
L-20457S	457	110	26	27	18	200	9.4

热镀锌钢制件。
Hot-dip galvanized steel