



扬州市双汇电力器材厂 电力金具



双 汇

扬州市双汇电力器材厂

YANGZHOU SHUANGHUI POWER LINE HARDWARE MANUFACTURER

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电力金具产品手册
ELECTRIC POWER FITTING PRODUCTS MANUAL

扬州市双汇电力器材厂
YANGZHOU SHUANGHUI POWER LINE HARDWARE MANUFACTURER



悬垂线夹 Suspension Clamps

悬垂线夹主要用于架空电力线路或变电站，通过连接金具将导线、避雷线悬挂在绝缘子上或将避雷线悬挂在杆塔上。由铁和铝合金两种材质制造。

产品型号中字母和数字的意义为：

X - 悬垂线夹 Q - 固定型 S - 双线索 U - U型螺栓 J - 加强型 H - 铝合金 F - 防电晕型
K - 上扛式 T - 提包式 A - 带碗头挂板 B - 带U型挂板 C - 下垂式

悬垂线夹的悬垂角不小于 25° ，曲率半径不小于被安装导线直径的8-10倍，对不同导线、地线的握力与导线计算拉断力的百分比值应不小于下表的数据：

悬垂线夹用于铝绞线和钢芯铝绞线时，可在导线外缠绕铝包带或护线条，以保护导线，其适用导线外径包括包缠物。

绞线类别	铝钢截面比	百分比%
钢芯铝绞线，钢芯铝合金绞线	>1.7	14
	4.0-4.5	18
	5.0-6.5	20
	7.0-8.0	22
	11.0-20.0	24
铜绞线，铝包铜绞线		14
铝绞线，铝合金绞线		24



XGF 型悬垂线夹 (下垂式)
XGF Suspension Clamps (hang-down type)



XGF-6 型悬垂线夹
XGF-6 Suspension Clamps



XGF 型悬垂线夹 (上扛式)
XGF Suspension Clamps (carried-up type)



XFZ 型悬垂线夹 (中心回转式)
XFZ Suspension Clamps (trunnion type)



CF 型悬垂线夹
CF Suspension Clamps



CGF 型悬垂线夹
CGF Suspension Clamps



CFK 型悬垂线夹
CFK Suspension Clamps



CGFK 型悬垂线夹
CGFK Suspension Clamps



XTS 型悬垂线夹
XTS Suspension Clamps



XGU 型悬垂线夹 (带U型挂板)
XGU Suspension Clamps (with U-clavis)



XGU 型悬垂线夹 (带碗头挂板)
XGU Suspension Clamps (with socket-clavis)



XGU 型悬垂线夹 (中心回转式)
XGU Suspension Clamps (trunnion type)



XCS 型悬垂线夹 (双导线用)
XCS Suspension Clamps for Twin Conductors



CSH 型悬垂线夹 (双导线用)
CSH Suspension Clamps for Twin Conductors



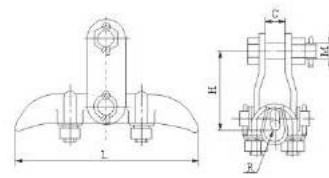
XT4 型跳线悬垂线夹
XT4 Suspension Clamps for Jumper Conductors



XTF4 型跳线悬垂线夹
XTF4 Suspension Clamps for Jumper Conductors

悬垂线夹 (中心回转式)

Suspension Clamps (trunnion type)

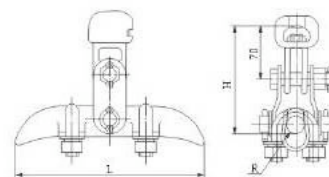


型号 Type	适用导线外径 Applicable Conductor (mm)	主要尺寸Dimensions (mm)					破坏载荷 Failure Load (kN)	参考重量 Weight (kg)
		H	L	R	C	M		
XGU-1	5.0~7.0	32	180	4.0	13	16	40	1.4
XGU-2	7.1~13.0	32	200	7.0	13	16	40	1.8
XGU-3	13.1~21.0	102	220	11.0	13	16	40	2.0
XGU-4	21.1~26.0	110	250	13.5	13	16	40	3.0

线夹本体和压板为可锻铸铁件，闭口销为不锈钢制件，其余为钢制件。可锻铸铁件和钢制件均镀锌。
The clamp body, keepers and socket-clavis are malleable iron, the cotter-pin is stainless steel, the other parts are steel. All ferrous parts are hot-dip galvanized.

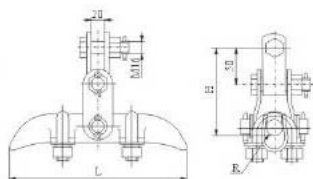
悬垂线夹 (带碗头挂板)

Suspension Clamps (with socket-clavis)



型号 Type	适用导线外径 Applicable Conductor (mm)	主要尺寸Dimensions (mm)			破坏载荷 Failure Load (kN)	参考重量 Weight (kg)
		H	L	R		
XGU-5A	23.0-33.0	157	300	17	60	5.7
XGU-6A	34.0-45.0	163	300	23	60	6.1

线夹本体、压板和碗头挂板为可锻铸铁件，闭口销为不锈钢制件，其余为钢制件。可锻铸铁件和钢制件均镀锌。
The clamp body, keepers and socket-clavis are malleable iron, the cotter-pin is stainless steel. The other parts are steel, All ferrous parts are hot-dip galvanized.



悬垂线夹 (带U型挂板)

Suspension Clamps (with U-clevis)

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)			破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
		H	L	R		
XGU-5B	23.0~33.0	137	300	17	60	5.4
XGU-6B	34.0~45.0	143	300	23	60	5.8
XGU-7(B)	45.0~51.0	146	300	26	60	5.4

线夹本体和压板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, the cotter-pins stainless steel, All ferrous parts are hot-dip galvanized.

悬垂线夹 (双导线跳线用)

Suspension Clamps (for twin jumper conductors)

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)								破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
		Φ	R	L ₁	L ₂	M	C	h	H		
XTS-2A	17.0~21.0	18	11	200	50	16	19	57	76	40	4.5
XTS-2B	21.0~27.0	18	14	200	52	16	19	59	77	40	5.0
XTS-2	25.0~31.0	18	16	200	56	16	19	62	77	40	5.0

线夹本体和压板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, the cotter-pins stainless steel, The other parts are steel, All ferrous parts are hot-dip galvanized.

悬垂线夹 (防磨型)

Suspension Clamps (abrasion-proof type)

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)					破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
		H	R	L	C	M		
XGU-3F	7.1~13.0	103	7	200	18	16	40	2.4
XGU-3F	13.1~21.0	121	11	228	18	16	40	2.5

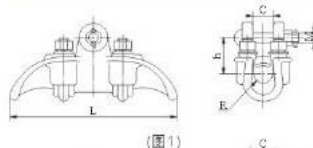
线夹本体和压板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, the cotter-pins stainless steel, The other parts are steel, All ferrous parts are hot-dip galvanized.

悬垂线夹 (XGJ型)

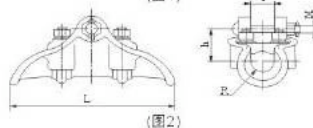
Suspension Clamps (type XGJ)

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)						破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
		H	C	M	R	L			
XGJ-3	13.0~18.0	133	18	16	9	380		70	8.0
XGJ-4	22.0~31.0	193	26	24	16	400		125	13.0
XGJ-5	31.0~43.0	232	44	30	22	500		200	20.0
XGJ-3HT	33.0~39.0	187	24	22	20	390		100	12.4
XGJ-5H	36.0~43.0	202	26	24	22	400		120	14.5

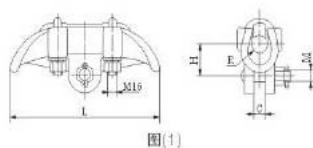
线夹本体和压板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, the cotter-pins stainless steel, The other parts are steel, All ferrous parts are hot-dip galvanized.



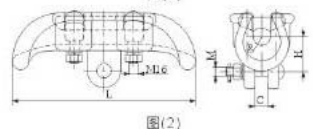
(图1)



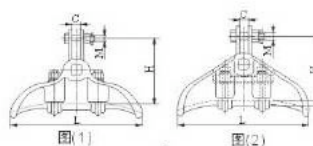
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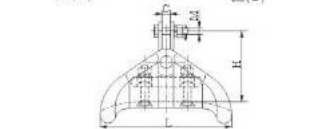
(图1)



(图2)



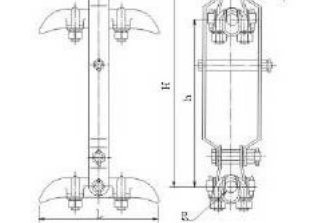
(图1)



(图2)



(图3)



悬垂线夹 (下垂式)

Suspension Clamps (hang-down type)

型号 Type	图例 Fig	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)					破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
			C	M	h	R	L		
XGF-5X	1	23.7~27.6	32	18	65	17	300	60	3.5
XGF-6	2	35~44	48	18	70	23	300	70	4.5
XGF-9X	3	35~44	48	18	70	23	300	90	4.6
XGF-53	2	43.0~51.0	56	18	100	26	350	70	5.6

线夹本体和压板为铝合金制件, 闭口销为不锈钢制件, 其余为热镀锌钢制件。
The clamp body and keepers are aluminum alloy, cotter-pins stainless steel, the other parts are hot-dip galvanized steel.

悬垂线夹 (上扛式)

Suspension Clamps (carried-up type)

型号 Type	图例 Fig	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)					破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
			H	C	M	R	L		
CGF-5K	1	23.7~27.6	55	24	16	18	300	60	3.0
CFK-8036	1	29.6~35.6	60	24	16	18	310	80	3.6
CFK-8038	1	29.6~38.3	60	24	16	20	330	80	3.6
CGFK-7032CG	2	27.0~32.0	65	24	16	18	340	70	

线夹本体和压板为铝合金制件, 闭口销为不锈钢制件, 其余为热镀锌钢制件。
The clamp body and keepers are aluminum alloy, cotter-pins stainless steel, the other parts are hot-dip galvanized steel.

悬垂线夹

Suspension Clamps

型号 Type	图例 Fig	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)				破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
			L	H	M	C		
CF-8036	1	29.6~35.6	310	175	18	22	80	
CF-10036	1	29.6~35.6	310	175	18	24	100	
CF-8038	1	29.6~38.3	330	175	16	22	80	
CF-10038	1	29.6~38.3	330	175	18	24	100	
CF-10048	2	41.7~46.6	350	190	18	24	100	
CF-10054	3	44.7~54.9	390	195	18	24	100	
CF-15054	2	44.7~54.9	390	200	24	26	150	
CGF-7032CG	3	27.0~32.0	340	150	16	22	70	
CGF-10044CG	3	35.0~44.0	340	160	18	22	100	

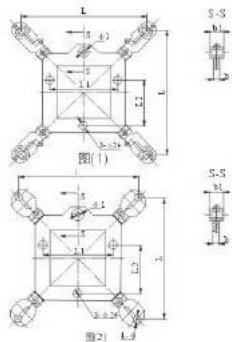
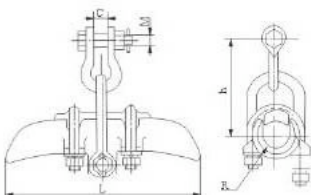
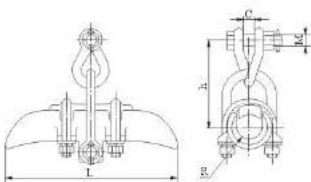
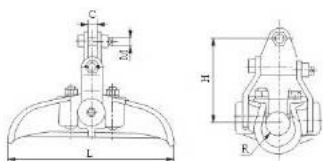
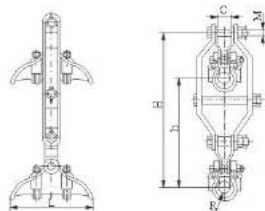
线夹本体和压板为铝合金制件, 闭口销为不锈钢制件, 其余为热镀锌钢制件。
The clamp body and keepers are aluminum alloy, cotter-pins stainless steel, the other parts are hot-dip galvanized steel.

悬垂线夹 (双导线用)

Suspension Clamps for Twin Conductors

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸Dimensions(mm)						破坏载荷 Failure Load(kN)	参考重量 Weight (kg)
		h	L	R	C	H	M		
XCS-4	21~26	480	250	13.5	20	490	18	70	9.3
XCS-5	23~33	480	300	17.0	38	490	18	100	10.8
XCS-6	34~45	480	300	23.0	38	490	18	100	12.5

线夹本体和压板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, cotter-pins stainless steel, the other parts are steel, All ferrous parts are hot-dip galvanized.



悬垂线夹 (双导线用, 铝合金线夹)

Aluminium Alloy Suspension Clamps for Twin Conductors

型号 Type	适用导线外径 Applicable Wiring Dia. (mm)	主要尺寸 Dimensions(mm)						破坏荷载 Failure Load(kN)	参考重量 Weight (kg)
		b	L	R	H	C	M		
CSH-4	21.0~26.0	400	300	13.5	500	42	18	70	10.2
CSH-5	26.0~31.5	400	300	14.0	510	44	18	100	11.4
CSH-6	32.0~43.0	400	300	22.0	515	50	22	120	12.9

闭口销为不锈钢制件, 紧固件为热镀锌钢制件, 其余为铝合金制件。
Cotter-pins are stainless steel, fasteners are hot-dip galvanized steel, the other parts are aluminium alloy

悬垂线夹 (XFZ型)

Suspension Clamps (type XFZ)

型号 Type	适用导线外径 Applicable Wiring Dia. (mm)	主要尺寸 Dimensions(mm)						破坏荷载 Failure Load(kN)	参考重量 Weight (kg)
		H	C	M	R	L			
XFZ-10054	43.0~51.0	221	24	18	27	420		100	9.2

线夹本体和压板为铝合金制件, 闭口销为不锈钢制件, 其余为热镀锌钢制件。
The clamp body and keepers are aluminium alloy, cotter-pin is stainless steel, the other parts are hot-dip galvanized steel.

悬垂线夹 (耐磨型)

Suspension Clamps (abrasion-proof type)

型号 Type	适用导线外径 (包括加包缠物) Applicable Wiring Dia. (mm)	主要尺寸 Dimensions(mm)						破坏荷载 Failure Load(kN)	参考重量 Weight (kg)
		L	M	b	C	R			
XDU-3B	13.1~21.0	220	16	121	20	11.0		50	2.9
XDU-4B	21.1~26.0	250	16	132	20	13.5		50	3.9
XDU-5B	23.0~33.0	300	16	136	20	17.0		65	4.2
XDU-6B	34.0~45.0	300	16	142	20	23.0		65	4.6

线夹本体和压板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, cotter-pins are stainless steel, the other parts are steel. All ferrous parts are hot-dip galvanized.

悬垂线夹 (耐磨型)

Suspension Clamps (abrasion-proof type)

型号 Type	适用导线外径 (包括加包缠物) Applicable Wiring Dia. (mm)	主要尺寸 Dimensions(mm)						破坏荷载 Failure Load(kN)	参考重量 Weight (kg)
		L	M	b	C	R			
XDU-3C	13.1~21.0	220	16	111	20	11.0		50	2.8
XDU-4C	21.1~26.0	250	16	122	20	13.5		50	3.8
XDU-5C	23.0~33.0	300	16	126	20	17.0		65	4.1
XDU-6C	34.0~45.0	300	16	132	20	23.0		65	4.4

线夹本体和压板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, cotter-pins are stainless steel, the other parts are steel. All ferrous parts are hot-dip galvanized.

跳线悬垂线夹

Suspension Clamps for Jumper Conductors

型号 Type	简图 Fig	适用导线外径 (包括加包缠物) Applicable Wiring Dia. (mm)	主要尺寸 Dimensions(mm)								参考重量 Weight (kg)
			L	L1	L2	φ	φ1	b	bt		
XTF4-45300	1	20.8~24.0	450	240	165	-	26	10	16	8.6	
XTF4-45400	1	24.6~28.0	450	240	165	-	26	10	16	8.6	
XT4-45300	2	20.8~24.0	450	240	175	28	26	10	16	6.6	
XT4-45400	2	24.6~28.0	450	240	175	28	26	10	16	6.6	

线夹本体和压板为铝合金制件, 闭口销为不锈钢制件, 胶瓦为并用胶, 其余为热镀锌钢制件。
The clamp body and keepers are aluminium-alloy, cotter-pins are stainless steel, the other parts are steel. All ferrous parts are hot-dip galvanized.



耐张线夹 Strain Clamps

耐张线夹主要用于架空电力线路或变电所固定导线和避雷线, 并通过连接金具与耐张绝缘子相连; 或将避雷线与杆塔相连。按结构和安装方法的不同分为螺栓型、压缩型、楔型三类, 压缩型又分液压和爆压两种。

产品型号中字母和数字的意义为:

N-耐张线夹 L-螺栓型 D-倒装式 Y-液压型 B-爆压型

附加字母: A-引流 0° B-引流 30°

螺栓型耐张线夹的曲率半径不小于被安装导线直径的 8 倍。耐张线夹对导线, 地线的握力与导线计算拉断力的百分比如下表:

螺栓型耐张线夹用于钢芯铝绞线和铝绞线时, 可在导线外缠包带或护线条, 其适用导线外径包括包缠物。

使用范围	型号	百分比(%)
电力线路	压缩型	95
	螺栓型	90

注: 对特大截面积导线, 扩径导线和绝缘线用耐张线夹, 其握力可取 65%。



NLD 型耐张线夹(螺栓型)
NLD Strain Clamps (bolted type)



NY-500/45, NY-630/55, NY-720/50 型耐张线夹(液压型, 钢芯锻制)
NY-500/45, NY-630/55, NY-720/50 Strain Clamps
(hydraulic type, anchor forged)



NLL 型铝合金耐张线夹(螺栓型)
NLL Aluminium-alloy Strain Clamps (bolted type)



NY 型钢绞线用耐张线夹(压缩型)
NY Strain Clamps for Steel Wire (compression type)



NX 型绝缘导线用耐张线夹(楔型)
NX Strain Clamps for Insulation Cable (wedge type)



NY 型耐张线夹(压缩型)
NY Strain Clamps (compression type)



耐张线夹 (螺栓型)

Strain Clamps (bolted type)

型号 Type	适用导线外径 Applicable Conductor (mm)	主要尺寸 Dimensions (mm)					螺栓 Bolt		破坏载荷 Failure Load (kN)	参考重量 Weight (kg)
		M	C	L ₁	L ₂	R	数量 Amount	直径 Dia (mm)		
NLD-1	5.0~10.0	16	18	150	120	6.5	2	12	20	1.3
NLD-2	10.1~14.0	16	18	205	130	8.0	3	12	40	2.1
NLD-3	14.1~18.0	18	22	310	160	11.0	4	16	70	4.6
NLD-4	18.1~23.0	18	25	410	220	13.5	4	16	90	7.1

线夹本体和盖板为可锻铸铁件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body and keepers are malleable iron, the cotter-pin is stainless steel, the other parts are steel.
All ferrous parts are hot-dip galvanized.

铝合金耐张线夹 (螺栓型)

Aluminium Strain Clamps (bolted type)

型号 Type	适用导线外径 Applicable Conductor (mm)	主要尺寸 Dimensions (mm)					螺栓数量 Quantity Bolt		破坏载荷 Failure Load (kN)	参考重量 Weight (kg)
		M	C	L ₁	L ₂	R	数量 Amount	直径 Dia (mm)		
NLL-1	5.1~11.4	16	19	126	108		2		40	0.5
NLL-2	8.9~18.5	16	24	176	187		2		40	1.3
NLL-3	5.0~15.0	16	17.5	190	203		3		70	1.9
NLL-4	12.1~21.8	16	30	290	284		4		90	4.1
NLL-5	18.0~30.0	24	36	446	343		5		120	7.0

线夹本体和盖板为铝合金制件, 闭口销为不锈钢制件, 其余为热镀锌钢制件。
The clamp body and keepers are aluminum alloy, the cotter-pin is stainless steel, the other parts are hot-dip galvanized steel.

耐张线夹 (节能型)

Strain Clamps (economy energy type)

型号 Type	适用导线外径 Applicable Conductor (mm)	主要尺寸 Dimensions (mm)					螺栓 Bolt		破坏载荷 Failure Load (kN)	参考重量 Weight (kg)
		M	C	L ₁	L ₂	R	数量 Amount	直径 Dia (mm)		
ND-1	5.0~10.0	16	18	150	120	6.5	2	12	20	1.1
ND-2	10.1~14.0	16	18	205	130	8.0	3	12	40	1.9
ND-3	14.1~18.0	18	22	310	160	11.0	4	16	70	4.2
ND-4	18.1~23.0	18	25	410	220	12.5	4	16	90	6.4

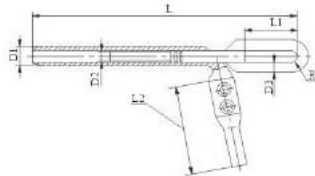
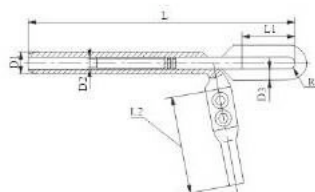
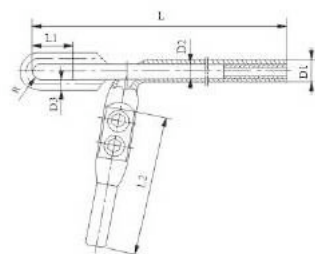
线夹本体为可锻铸铁件, 盖板为铝合金制件, 闭口销为不锈钢制件, 其余为钢制件, 可锻铸铁件和钢制件热镀锌。
The clamp body is malleable iron, and the keepers in aluminum alloy, the cotter-pin is stainless steel, the other parts are steel. All ferrous parts are hot-dip galvanized.

绝缘导线用耐张线夹 (楔型)

Strain Clamps for Insulated Cable (wedge type)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)				剪力 Shear Strength (kN)	参考重量 Weight (kg)
		C	M	D	L		
NX-IY	JKLYJ-240	128	12	27	140~240	22.5	2.0
	JKLYJ-185					17.3	
NX-IIY	JKLYJ-150	128	12	23	140~240	13.6	2.0
	JKLYJ-120					11.3	
NX-II-Y	JKLYJ-95	108	12	20	140~240	8.9	1.6
	JKLYJ-70					6.7	
NX-JVY	JKLYJ-50	108	12	18	140~220	4.6	1.6
NX-JTY	JKLYJ-35	92	10	12	160~220	3.4	1.1

线夹本体为铝合金制件, 线夹芯为塑料制件, 其余为热镀锌钢制件。
The body is aluminum alloy, the clamp core is plastic parts, the other parts are hot-dip galvanized steel.



铝包钢绞线用耐张线夹 (液压型)

Strain Clamps for AS, Stranded Wire (hydraulic type)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)										剪力 Shear Strength (kN)	参考重量 Weight (kg)
		D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	R		
NY-50BG	LB20J-50	32	18	275	64	195	16	9				55.5	1.7
NY-70BG	LB27J-70	32	20	380	90	185	16	10				65.8	2.5
NY-80BG	LB20J-80	36	24	417	67	185	18	12				85.0	2.5
NY-95BG	LB40J-95	34	24	400	60	200	16	10				56.0	2.5
NY-120BG	LB27J-120	36	26	375	70	210	20	13				112.0	3.8
NY-150BG	LB40J-150	42	20	530	75	265	20	13				86.0	3.8
NY-150.1BG	LB20J-150	45	32	560	90	230	30	16				167.0	7.3
NY-240BG	LB27J-240	50	36	620	110	280	30	18				221.5	7.8

线夹本体、铝衬管和引流线夹为铝制件, 其余为热镀锌钢制件。
The body and jumper clamp are aluminum, the other parts are hot-dip galvanized steel.

铝包钢芯铝绞线用耐张线夹 (液压型)

Strain Clamps (hydraulic type)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)										剪力 Shear Strength (kN)	参考重量 Weight (kg)
		D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	R		
NY-70/40BG	ACSR/AS-70/40	34	16	480	50	180	16	8.5				57.8	2.4
NY-300/40BG	ACSR/AS-300/40	36	18	485	70	230	16	10				64.6	2.6
NY-95/55BG	ACSR/AS-95/55	36	20	486	61	230	13	11.0				74.0	2.9
NY-135/30BG	ACSR/AS-135/30	36	16	550	55	220	16	9.0				62.9	2.9
NY-240/40BG	ACSR/AS-240/40	38	18	595	65	240	13	12.0				81.6	3.3
NY-300/55BG	ACSR/AS-300/55	42	14	560	55	265	13	11.0				74.4	3.6
NY-300/40BG	ACSR/AS-300/40	42	18	615	70	265	13	13.0				90.0	3.8
NY-300/50BG	ACSR/AS-300/50	42	18	620	70	265	13	13.0				101.0	4.1
NY-300/70BG	ACSR/AS-300/70	42	22	640	70	260	20	13.0				117.3	4.4
NY-400/55BG	ACSR/AS-400/55	48	18	635	65	280	20	13.0				99.0	5.2
NY-400/50BG	ACSR/AS-400/50	48	20	645	65	280	20	13.0				117.0	5.2

线夹本体和引流线夹为铝制件, 其余为热镀锌钢制件。
The body and jumper clamp are aluminum, the other parts are hot-dip galvanized steel.

耐张线夹 (液压型)

Strain Clamps (hydraulic type)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)										剪力 Shear Strength (kN)	参考重量 Weight (kg)
		D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	R		
NY-50/30	LJGJ-50/30	32	16	310	60	16	8.5	130				41	1.4
NY-70/40	LJGJ-70/40	32	16	450	50	16	8.5	130				55	1.9
NY-95/55	LJGJ-95/55	34	22	406	50	15	11.0	210				74	2.1
NY-150/20	LJGJ-150/20	30	16	510	55	16	8.0	235				44	3.6
NY-150/35	LJGJ-150/35	32	16	475	55	16	9.0	210				61	2.0
NY-185/30	LJGJ-185/30	32	16	480	55	16	9.0	295				62	2.2
NY-185/45	LJGJ-185/45	34	18	495	60	16	10.0	240				76	2.6
NY-240/30	LJGJ-240/30	36	16	500	55	16	10.0	240				72	2.5
NY-240/40	LJGJ-240/40	36	16	515	55	16	10.0	240				79	2.5
NY-240/55	LJGJ-240/55	36	20	535	55	18	11.0	250				97	2.7
NY-300/35	LJGJ-300/35	40	14	490	50	16	11.0	265				65	2.6
NY-300/20	LJGJ-300/20	40	14	510	55	16	11.0	265				72	2.8
NY-300/25	LJGJ-300/25	40	14	515	55	16	11.0	265				79	2.9
NY-300/40	LJGJ-300/40	40	16	535	55	16	11.0	265				88	3.1
NY-300/50	LJGJ-300/50	40	18	560	65	18	12.0	265				92	3.1
NY-300/70	LJGJ-300/70	42	22	600	70	20	12.0	265				122	3.9
NY-400/20	LJGJ-400/20	45	14	540	55	18	13.0	280				84	3.6
NY-400/25	LJGJ-400/25	45	14	550	55	18	13.0	280				91	3.7
NY-400/35	LJGJ-400/35	45	16	580	65	20	13.0	280				99	4.0
NY-400/50	LJGJ-400/50	45	20	590	65	20	13.0	280				117	4.2
NY-400/65	LJGJ-400/65	48	22	620	70	22	13.0	280				123	5.4
NY-400/95	LJGJ-400/95	48	26	670	80	26	15.0	280				163	6.6
NY-500/35	LJGJ-500/35	52	16	620	65	20	14.0	245				114	5.3
NY-500/45	LJGJ-500/45	52	18	625	70	20	14.0	245				122	5.4
NY-500/65	LJGJ-500/65	52	22	660	70	22	15.0	245				146	6.2
NY-630/45	LJGJ-630/45	60	18	660	70	22	16.0	290				141	7.7
NY-630/55	LJGJ-630/55	60	20	660	70	22	16.0	290				156	7.9
NY-630/80	LJGJ-630/80	60	24	715	80	26	17.0	290				183	9.1
NY-800/55	LJGJ-800/55	65	20	735	80	26	19.0	335				182	10.5
NY-800/70	LJGJ-800/70	65	22	740	85	26	19.0	335				197	10.6
NY-800/100	LJGJ-800/100	65	26	775	85	30	19.0	335				229	12.1

线夹本体和引流线夹为铝制件, 其余为热镀锌钢制件。
The body and jumper clamp are aluminum, the other parts are hot-dip galvanized steel.

连接金具 Link fittings

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组成串，并用它悬挂在杆塔上；二是用连接金具将直线杆塔用的悬垂线夹或非直线杆塔用的耐张线夹与绝缘子串连接起来；其它如拉线杆塔的接线金具与杆塔的锚固，也都要用连接金具。

连接金具主要用于架空电力线路或变电所，将导线或避雷线耐张线夹绝缘子通过连接金具相连接，避雷线线夹与杆塔相连。按安装条件的不同，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，按载荷吨位分级，载荷相同的金具有互换性。

产品型号中字母和数字的意义为：

Q-球头挂环 P-平面(平行)接触 W-碗头 B-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GB/T4056-1994《高压线路悬式绝缘子连接结构和尺寸》的规定。



LK6型联板(750kV线路用)
LK6 Yoke Plates (for 750kV line)



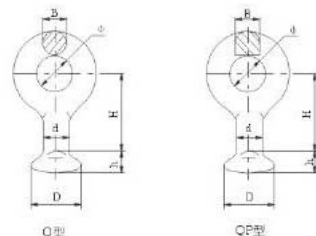
LC6型联板(750kV线路用)
LC6 Yoke Plates (for 750kV line)



LV型联板(紧凑型线路用)
LV Yoke Plates

球头挂环(Q、QP型)

Ball-Eyes(type Q, QP)

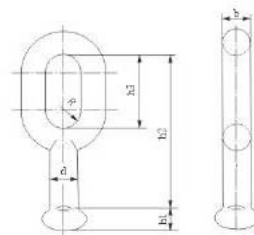


型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		d	φ	B	D	H	h			
Q-7	XP-7,X-4.5	17	22	16	33.3	50	13.4	70	0.3	
QP-7	XP-7,X-4.5	17	22	16	33.3	50	13.4	70	0.3	
QP-10	XP-10	17	22	16	33.3	50	13.4	100	0.3	
QP-16	XP-16	21	28	20	41.0	60	19.5	160	0.5	
QP-20	XP-20	25	30	24	49.0	80	21.0	200	1.0	
QP-21D	XP-21	21	30	22	41.0	70	19.5	210	1.0	
QP-30	XP-30	25	39	28	49.0	80	21.0	300	1.1	
QP-16S	XP-16	21	28	18	41.0	60	19.5	160	0.5	
QP-21S	XP-21	21	28	20	41.0	80	19.5	210	0.7	
QP-32S	XP-30	25	33	28	49.0	80	21.0	320	1.2	
QP-42S	XP-30	29	39	32	57.0	100	23.5	400	1.5	

热镀锌钢制件。
Hot-dip galvanized steel.

球头挂环(QH型)

Ball-Eyes(type QH)

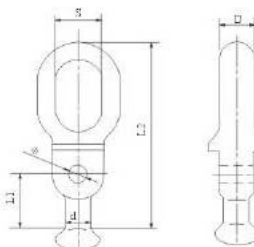


型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		h ₁	h ₂	h ₃	R	d	b			
QH-7	XP-7	13.4	11.4	57	11	17	16	70	0.6	
QH-16S	XP-16	19.5	155	100	17	21	20	160	1.2	
QH-21S	XP-21	19.5	155	100	17	21	20	210	1.2	
QH-32S	XP-30	21.0	175	110	17	25	28	320	2.2	
QH-42S	XP-30	23.5	200	120	20	29	32	420	3.4	

热镀锌钢制件。
Hot-dip galvanized steel.

球头挂环(环孔平行型)

Ball-Eyes (parallel type)



型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		L ₁	L ₂	S	D	d	φ			
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.



球头挂环 (环孔垂直型)

Ball Eyes (perpendicular type)

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		L	L ₁	d	D	S	R	Φ		

Q-7N	XP-7	170	42	17	16	50	12.5	14	70	1.2
Q-12N	XP-12	185	48	17	20	56	15.0	14	120	1.5

热镀锌钢制件
Hot-dip galvanized steel

球头挂板

Ball Eyes

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		L ₁	L ₂	d	Φ	Φ ₁	Φ ₂	D		

Q-7P	XP-7	78	60	17	20	14	16	70	70	1.1
Q-12P	XP-12	78	65	17	24	14	18	120	120	1.3

热镀锌钢制件
Hot-dip galvanized steel

球头钩

Ball Hooks

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		L	L ₁	B	C	d	E	Φ		

QG-7P	XP-7	154	55	32	22	17	11	14	70	1.5
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热镀锌钢制件
Hot-dip galvanized steel

U型球头

Ball-Eyes (type U)

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)					破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		C	D	d	h	Φ		

Q-7U	XP-7	18.0	16	17	89	70	70	0.9
Q-12U	XP-12	22.0	22	17	95	120	120	1.0
Q-16U	XP-16	22.5	24	20	80	160	160	1.0
Q-21U	XP-21	24	24	20	85	210	210	1.28

热镀锌钢制件
Hot-dip galvanized steel

碗头挂板 (W型)

Socket Eyes (type W)

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		C ₁	C ₂	h	d	b	Φ	Φ ₁		

W-7A	XP-7, XP-4.5	19.2	34.5	70	20	16	70	0.8
W-7B	XP-7, X-4.5	19.2	34.5	115	20	16	70	0.9
W-10	XP-16	19.2	34.5	85	20	18	100	1.0
W-12	XP-12	19.2	34.5	90	24	20	113	1.3

碗头挂板为可锻铸铁件, 热镀锌。弹簧销为青铜件或不锈钢件。
Socket Eyes is malleable iron, hot-dip galvanized. Spring pins is bronze or stainless steel.

碗头挂板 (带孔W型)

Socket Eyes (type W)

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		L	L ₁	B	D	Φ	Φ ₁	Φ ₂		

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。弹簧销为青铜件或不锈钢件。
W₁-7K socket eyes is malleable iron, W₁-12K socket eyes is casting steel. The spring pins is bronze or stainless steel. All ferrous parts are hot-dip galvanized.

碗头挂板 (带孔W型)

Socket Eyes (type W)

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		L	L ₁	Φ	Φ ₁	Φ ₂	B	D		

W ₁ -7R	XP-7, XP-4.5	120	70	20	14	20	70	70	70	1.0
W ₁ -12R	XP-12	120	70	22	14	22	120	120	120	1.3

W₁-7R碗头挂板为可锻铸铁件, W₁-12R为铸钢件, 热镀锌。弹簧销为青铜件或不锈钢件。
W₁-7R socket eyes is malleable iron, W₁-12R socket eyes is casting steel. The spring pins is bronze or stainless steel. All ferrous parts are hot-dip galvanized.

碗头挂板 (WS型)

Socket-Clevises (type WS)

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		C	C ₁	C ₂	M	h	Φ	Φ ₁		

偏头挂板 WS-16 及以上为铸钢件, 其余为可锻铸铁件, 弹簧销为青铜件或不锈钢件, 其余为钢制件, 所有钢铁制件热镀锌。

碗头挂板 WS-16 及以上为铸钢件, 其余为可锻铸铁件, 弹簧销为青铜件或不锈钢件, 其余为钢制件。
Socket-clevises WS-16 and up are casting steel, the other parts are malleable iron, spring pins is bronze or stainless steel, all ferrous parts are hot-dip galvanized.

碗头挂板 (加长WS型)

Socket-Clevises (elongated type WS)

型号 Type	适用绝缘子 Applicable Insulator	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		C	C ₁	C ₂	M	h	Φ	Φ ₁		

WS-21L	XP-20	24	27.5	51	22	150	210	210	4.7
WS-30L	XP-30	30	27.5	51	27	150	300	300	5.2

弹簧销为青铜件或不锈钢件, 闭口销为不锈钢件, 其余为热镀锌钢制件。
The spring pins is bronze or stainless steel, the cutter pins are stainless steel. The other parts are hot-dip galvanized steel.

碗头挂板 (加长WS型)

Socket-Clevises (elongated type WS)

型号 Type	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	C	C ₁	C ₂	M	h	Φ	Φ ₁		

WS-16A	26	23	42.5	24	195	135.5	160	4.3
WS-21B	30	23	42.5	27	195	107	210	4.9

碗头挂板为铸钢件, 弹簧销为青铜件或不锈钢件, 其余为钢制件, 所有钢制件热镀锌。
Socket-clevises is casting steel, spring pins is bronze or stainless, the other parts are steel. All ferrous parts are hot-dip galvanized.

U型挂环

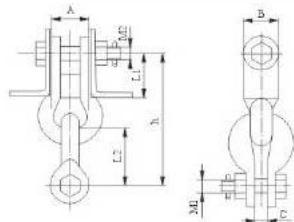
Shackles (type U)

型号 Type	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	C	M	D	h	R	Φ	Φ ₁		

U-7	20	16	16	60	10	70	70	0.5
U-7B	20	16	16	60	10	70	70	0.6
U-10	22	18	18	70	11	100	100	0.6
U-10B	22	18	18	85	11	100	100	0.7
U-12	24	22	20	80	12	120	120	1.0
U-16	26	24	22	90	13	160	160	1.5
U-16T	28	24	22	90	14	160	160	1.5
U-20	30	27	24	100	15	200	200	2.3
U-20B	30	27	24	115	15	200	200	2.4
U-25	34	30	26	110	17	250	250	2.8
U-30	38	36	30	130	19	300	300	3.7
U-50	44	42	36	150	22	500	500	7.0
U-16S	22	24	20	90	13	160	160	1.3
U-21S	26	24	20	100	13	210	210	1.4
U-32S	32	30	28	115	17	320	320	3.0
U-42S	38	36	32	140	20	420	420	4.5

闭口销为不锈钢件, 其余为热镀锌钢制件。
The cutter pins is stainless, the other parts are hot-dip galvanized steel.





加强型 U 型挂环

Strengthened Shackles (type U)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	A	B	C	D	E	F	G	H		
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.

挂环(ZH型)

Eye Links (type ZH)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	a	b	c	d	e	f	h	i		
ZH-7	16	16	34	20	57	95			70	0.9
ZH-10	16	16	24	20	57	95			100	0.9
ZH-12	20	16	24	24	65	105			120	1.2
ZH-16	22	18	26	26	75	135			160	1.8

热镀锌钢制件。
Hot-dip galvanized steel.

延长环(环体整锻)

Extensive Links (link body whole-forged)

型号 Type	主要尺寸 Dimensions(mm)			破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	C	D	L		
PH-7	30	18	30	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-20	30	24	160	200	1.6
PH-25	34	26	160	250	2.0
PH-30	38	30	180	300	3.0
PH-16S	26	20	120	160	0.8
PH-21S	26	20	130	210	0.9
PH-32S	34	28	140	320	2.0
PH-42S	36	32	160	420	3.0

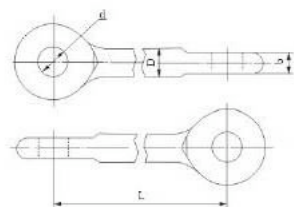
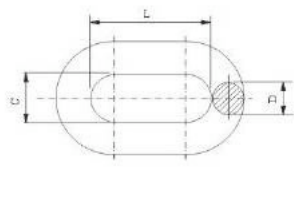
热镀锌钢制件。
Hot-dip galvanized steel.

拉杆(YL型)

Extension Rods (type YL)

型号 Type	主要尺寸 Dimensions(mm)				破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	D	d	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-1069	18	20	16	690	100	1.9
YL-10100	18	20	16	1000	100	2.2
YL-1243	22	24	18	430	120	1.6
YL-1643	22	26	18	430	160	1.6
YL-2043	24	30	20	430	200	3.0
YL-2140S	24	26	20	400	210	1.8
YL-2165S	24	26	20	650	210	2.4
YL-2543S	30	33	22	430	250	3.4
YL-3043S	32	39	24	430	300	3.4

热镀锌钢制件。
Hot-dip galvanized steel.



挂板(Z型)

Clevises (type Z)

型号 Type	主要尺寸 Dimensions(mm)				破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	C	C ₁	M	h		
Z-7	18	18	16	60	70	0.6
Z-7B	20	18	16	80	70	0.7
Z-10	20	20	18	70	100	0.8
Z-10B	20	20	18	80	100	0.9
Z-12	24	24	22	80	120	1.3
Z-16	26	26	24	90	160	2.5
Z-16C	26	26	24	140	160	3.2
Z-16C ₁	26	26	24	170	160	3.8
Z-20	30	30	27	120	200	3.5
Z-25	33	33	30	110	250	3.8
Z-21S	24	26	24	90	210	2.0
Z-25S	28	28	27	110	250	3.8

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.

型号 Type	主要尺寸 Dimensions(mm)				破坏载荷 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	9.6
Z-50	44	57	42	150	500	12.0
Z-60	50	62	48	130	600	19.4

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.

型号 Type	主要尺寸 Dimensions(mm)				破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	C ₁	h	M		
Z-32S	136	32	60	30	320	9.2
Z-42S	150	38	60	36	420	8.4
Z-50S	150	38	67	36	500	14.2
Z-64S	180	42	70	42	640	19.4

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.

挂板(ZS型)

Clevis & Tongues (type ZS)

型号 Type	主要尺寸 Dimensions(mm)					破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	C	b	M	d	h		
ZS-7	18	16	16	20	60	70	0.6
ZS-10	20	18	18	20	70	100	0.9
ZS-16	26	26	24	26	90	160	1.9
ZS-30	38	34	36	39	150	300	5.4
ZS-64S	20	22	16	20	65	70	0.7

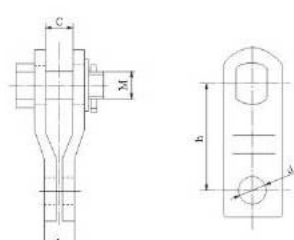
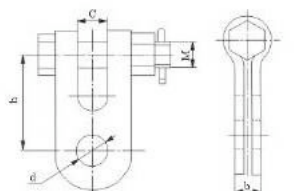
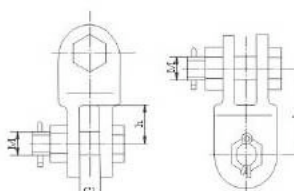
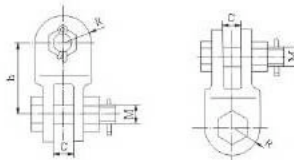
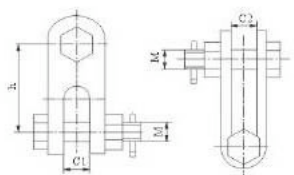
闭口销为不锈钢件, 其余为热镀锌钢制件。
The cotter-pin is stainless steel, the other parts are hot-dip galvanized steel.

挂板(PS型)

Clevises (type PS)

型号 Type	主要尺寸 Dimensions(mm)					破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	C	b	M	d	h		
PS-7	18	16	16	20	90	69	0.6
PS-30	38	32	36	39	150	294	5.9

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.





平行挂板

Parallel Clevis & Tongues

型号 Type	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load(kN)	参考重量 Weight(kg)
	h	C ₁	C ₂	R ₁	R ₂	M	M ₁		

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.

挂板(P型)

Double Straps (type P)

型号 Type	主要尺寸 Dimensions(mm)					破坏载荷 Failure Load(kN)	参考重量 Weight(kg)
	b	C	M	h			
P-7	6	18	16	60		70	0.8
P-10	8	20	18	70		100	0.9
P-12	10	24	22	80		120	1.5
P-16	12	26	24	90		160	2.4
P-20	14	30	27	120		200	4.1
P-2018	14	30	27	180		200	5.1
P-2024	14	30	27	240		200	6.0
P-3038	14	30	27	308		200	6.9
P-2036	14	30	27	360		200	7.8
P-2042	14	30	27	420		200	8.7
P-2048	14	30	27	480		200	9.7
P-3054	14	30	27	540		200	10.6
P-30	16	38	36	120		300	4.7
P-3018	16	38	36	180		300	6.1
P-3024	16	38	36	240		300	7.3
P-3038	16	38	36	308		300	8.4
P-3036	16	38	36	360		300	9.1
P-2042	16	38	36	420		300	10.9
P-3048	16	38	36	480		300	12.1
P-3054	16	38	36	540		300	13.3
P-5012	18	44	42	120		500	10.7
P-5018	18	44	42	180		500	11.2
P-5028	18	44	42	200		500	11.8
P-5024	18	44	42	240		500	12.2
P-5026	18	44	42	260		500	12.6
P-5038	18	44	42	300		500	13.0
P-5036	18	44	42	360		500	13.5
P-5042	18	44	42	420		500	14.0
P-5048	18	44	42	480		500	14.6
P-5054	18	44	42	540		500	15.2
P-60135	22	50	48	135		600	16.6
P-168	10	22	24	90		160	2.2
P-218	10	24	24	120		210	2.7
P-328	14	32	30	180		320	6.3
P-428	16	38	36	200		420	8.8

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.

挂板(UB型)

Clevis Hinges (type UB)

型号 Type	主要尺寸 Dimensions(mm)					破坏载荷 Failure Load(kN)	参考重量 Weight(kg)
	C	M	h	a			

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.

挂板(UB型)

Clevis Hinges (type UB)

型号 Type	主要尺寸 Dimensions(mm)				破坏载荷 Failure Load(kN)	参考重量 Weight(kg)
	C	M	h	a		

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.

挂板(V, VD型)

Clevis Eyes (type V, VD)

型号 Type	主要尺寸 Dimensions(mm)					破坏载荷 Failure Load(kN)	参考重量 Weight(kg)
	d	M	b	h	α		

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.

联塔挂板(LT, EB型)

Tower-connecting Hinges (type LT, EB)

型号 Type	主要尺寸 Dimensions(mm)						破坏载荷 Failure Load(kN)	参考重量 Weight(kg)
	b	φ	h	M	L	l		

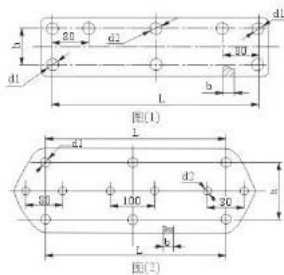
闭口销为不锈钢件, 其余为热镀锌钢制件。
The cotter-pin is stainless steel, the other parts are hot-dip galvanized steel.

牵引板(QY型)

Towing Plates (type QY)

型号 Type	主要尺寸 Dimensions(mm)					破坏载荷 Failure Load(kN)	参考重量 Weight(kg)
	L	L ₁	b	d	h		

热镀锌钢制件。
Hot-dip galvanized steel.



联板(LJ型)

Yoke Plates(type LJ)

型号 Type	简图 Fig	主要尺寸 Dimensions(mm)						破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
		b	h	d ₁	d ₂	L			
LJ-1040	1	16	70	18	30	400		100	6.5
LJ-1240	1	16	70	18	24	400		120	6.5
LJ-1640	1	18	100	20	26	400		160	9.5
LJ-2540	2	16	120	24	18	400		250	11.1
LJ-3040	2	18	120	26	18	400		300	13.6

热镀锌钢制件。
Hot-dip galvanized steel.

联板(LJ-A型)

Yoke Plates(type LJ-A)

型号 Type	主要尺寸 Dimensions(mm)							破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	b	h	φ1	φ2	φ3	L	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	130	39	39	18	60	450	600	28.0

热镀锌钢制件。
Hot-dip galvanized steel.

联板(LS型)

Yoke Plates(type LS)

型号 Type	主要尺寸 Dimensions(mm)						破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	b	h	φ ₁	φ ₂	L	L		
LS-1212	16	65	18	20	400	120	120	5.0
LS-1221	16	65	18	20	400	210	120	5.4
LS-1225	16	65	18	20	400	250	120	5.5
LS-1229	16	65	18	20	400	290	120	5.7
LS-1233	16	65	18	20	400	330	120	5.9
LS-1237	16	65	18	20	400	370	120	6.1
LS-1255	16	65	18	20	400	550	120	8.7

热镀锌钢制件。
Hot-dip galvanized steel.

联板(LS型750kV线路用)

Yoke Plates(type LS, for 750kV line)

型号 Type	主要尺寸 Dimensions(mm)										破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L	L	φ ₁	φ ₂	φ ₃	b	b ₁	b ₂	H		
LS-420S	800	550	400	39	33	26	18	33	28	250	840	

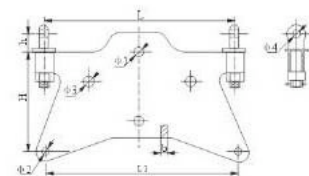
热镀锌钢制件。
Hot-dip galvanized steel.

联板(L型)

Yoke Plates(type L)

型号 Type	主要尺寸 Dimensions(mm)						破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	b ₁	b	h	d ₁	d ₂	L		
L-1645	18	18	250	26	20	450	160	15.0
L-2045	26	18	250	30	20	450	200	12.5
L-3045	32	18	250	39	26	450	300	16.0
L-2150TS	20	20	250	26	20	500	210	15.5
L-4250TS	32	20	250	39	26	500	420	24.6

热镀锌钢制件。
Hot-dip galvanized steel.



联板(LK型)

Yoke Plates(type LK)

型号 Type	主要尺寸 Dimension(mm)									破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	b	H	h	L	L ₁	φ ₁	φ ₂	φ ₃	φ ₄		
LK-0745	16	230	40	450	450	18	18	26	18	70	15.5
LK-1045	16	230	40	450	450	20	18	26	18	100	16.0
LK-1045	18	230	40	450	450	26	18	26	18	160	18.0
LK-164945	18	230	40	490	450	26	18	26	18	160	18.6
LK-1650S	18	265	40	500	500	26	18	26	18	160	20.4
LK-215550S	18	265	40	550	500	26	18	26	18	210	20.5
LK-2150S	18	265	40	500	500	26	18	-	18	210	20.5
LK-3250S	18	265	40	500	500	33	18	-	18	320	20.6

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.

联板(LL型)

Yoke Plates(type LL)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	B	b	b	L	d	φ ₁	φ ₂			
LL-1645	18	18	70	450	26	20	24		160	7.4
LL-2145	26	18	70	450	30	20	24		210	8.2
LL-2545	30	18	70	450	33	20	24		250	8.3
LL-3250S	20	18	80	500	33	18	26		320	7.9
LL-4250S	32	20	145	500	39	20	26		420	12.1
LL-6450S	36	22	145	500	45	26	33		640	13.7

热镀锌钢制件。
Hot-dip galvanized steel.

联板(LL型750kV线路用)

Yoke Plates(type LL, for 750kV line)

型号 Type	主要尺寸 Dimensions(mm)										破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L	L	φ ₁	φ ₂	φ ₃	b	b ₁	b ₂	H		
LL-6420S	800	400	45	26	20	16	20	36	300		640	

热镀锌钢制件。
Hot-dip galvanized steel.

联板(LLV型750kV线路用)

Yoke Plates(type LLV, for 750kV line)

型号 Type	主要尺寸 Dimensions(mm)										破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L	L	φ ₁	φ ₂	φ ₃	b	b ₁	b ₂	H		
LLV-6430S	800	500	400	45	26	20	16	36	20	300	640	

热镀锌钢制件。
Hot-dip galvanized steel.

联板(LX型)

Yoke Plates(type LX)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L ₁	h	φ ₁	φ ₂	b	b ₁			
LX-1645	450	450	95	26	20	18	-		160	18.5
LX-2045	450	450	95	29	20	18	26		200	19.0
LX-2545	450	450	95	33	20	18	26		250	19.0
LX-3045	450	450	95	39	20	18	32		300	20.0

热镀锌钢制件。
Hot-dip galvanized steel.



联板(LX型)

Yoke Plates (type LX)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L ₁	h	b	b ₁	φ1	φ2	φ3		
LX-4545	450	450	75	24	-	44	24	30	450	26.0
LX-6045	450	450	100	22	32	39	26	39	600	35.0

热镀锌钢制件
Hot-dip galvanized steel

联板(LXV型)

Yoke Plates (type LXV)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L ₁	h	b	b ₁	φ1	φ2	φ3		
LXV-1045	450	330	110	18	-	26	20	14	160	19.5
LXV-2545	450	330	110	18	30	33	20	14	250	20.0

热镀锌钢制件
Hot-dip galvanized steel

联板(LXV型)

Yoke Plates (type LXV)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	h	b	b ₁	S	φ1	φ2			
LXV-1045Z	450	196	18	18	80	20	26		160	26.6
LXV-2545Z	450	196	18	30	80	20	33		250	30.0

热镀锌钢制件
Hot-dip galvanized steel

调平联板(SP型)

Yoke Plates (type SP)

型号 Type	简图 Fig	偏转角度 θ Deflexion angle	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
			B	B ₁	b	φ	L	H				
SP10-2545	1	10°	30	26	16	33	450	582		250	23.0	
SP20-2545	1	20°	30	26	16	33	450	596		250	23.0	
SP30-2545	2	30°	30	26	16	33	450	595		250	34.0	
SP40-2545	2	40°	30	26	16	33	450	580		250	33.0	
SP50-2545	3	50°	30	26	16	33	450	560		250	33.0	
SP60-2545	3	60°	30	26	16	33	450	595		250	34.0	

热镀锌钢制件
Hot-dip galvanized steel

联板(LK型750kV线路用)

Yoke Plates (type LK, for 750kV line)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L ₁	L ₂	φ ₁	φ ₂	b	b ₁	H		
LK6-3280S	800	500	400	33	20	18	28	190	320	

热镀锌钢制件
Hot-dip galvanized steel

联板(LC型750kV线路用)

Yoke Plates (type LC, for 750kV line)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L ₁	φ ₁	φ ₂	b	b ₁	H			
LC6-3280S	800	400	33	20	18	28	95		320	

热镀锌钢制件
Hot-dip galvanized steel

联板(LV型、紧凑型线路用)

Yoke Plates (type LV)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L ₁	L ₂	φ ₁	φ ₂	b	b ₁	H		
LV-1675/63	750	375	100	26	18	18	-	100	160	
LV-3075/63	750	375	100	39	18	18	32	100	300	

热镀锌钢制件
Hot-dip galvanized steel

联板(LV型、紧凑型线路用)

Yoke Plates (type LV)

型号 Type	主要尺寸 Dimensions(mm)								破坏载荷 Failure Load (kN)	参考重量 Weight(kg)
	L	L ₁	φ ₁	φ ₂	b	b ₁	H			
LV-1675/63X	750	375	26	26	18	18	-	100	160	
LV-3075/63X	750	375	39	26	18	18	32	-	100	300
LV-4075/63X	750	375	39	39	18	18	36	32	100	400

热镀锌钢制件
Hot-dip galvanized steel

避雷线悬垂吊架

Ground Wire Hangers

型号 Type	适用电杆外径 (mm) Applicable Wire-pole Dia	主要尺寸 Dimensions(mm)				参考重量 Weight(kg)
		b	M	d	L	
BD-1339	φ190 锥形钢筋混凝土电杆	18	18	20	390	4.3
BD-2244	φ230 锥形钢筋混凝土电杆	18	22	20	440	4.3
BD-2451	φ300 等径钢筋混凝土电杆	18	24	20	510	5.3
BD-2762	φ400 等径钢筋混凝土电杆	18	27	20	620	7.1

底座为灰铸铁件，涂漆，其余为热镀锌钢制件。
The bottom is cast iron, spray lacquer, the other parts are hot-dip galvanized steel.

U型螺丝

U-Bolts

型号 Type	主要尺寸 Dimensions(mm)								额定载荷 Rating Load (kN)	参考重量 Weight(kg)
	C	M	D	L ₁	L ₂	X ₁	Y ₁	Z ₁		
U-1880	80	18	18	90	60	18	3.5	35	0.8	
U-2080	80	20	20	100	70	18	5.3	35	1.1	
U-2180	80	22	22	118	90	24	4.9	47	1.3	
UJ-1830	80	18	18	105	30	24	7.4	47	0.9	
UJ-2030	80	20	20	110	60	28	6.5	57	1.1	
UJ-2280	80	22	22	127	65	28	10.8	57	1.4	

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.

支撑架

Support Brackets

型号 Type	主要尺寸 Dimensions(mm)				参考重量 Weight(kg)
	L	B	H	φ-φ	
ZCJ-45	432	120	300	8-18	12
ZCJ-45C	432	120	400	16-18	14.4
ZCJ-50S	430	120	300	8-18	13.5

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.



接续金具 Splicing Fittings

接续金具主要用于架空电力线路的导线、避雷线的接续和补修。按结构形式和安装方法的不同，分为压接型、螺栓型和预绞式三类：压接型又分为液压、爆压和钳压三种。

产品型号中字母和数字的意义为：

J- 接续 D- 搭接 X- 补修 B- 爆压、并沟、补修、避雷线 T- 椭圆、跳线

M- 母线 Y- 圆形、预绞丝 S- 伸缩、设备

数字表示适用导线的大小：

各种接续金具直流电阻不大于等长导线直流电阻；载流温升低于导线的温升。压接型接续管对导线、地线的握力不小于导线计算拉断力的95%。



FYB 型预绞丝补修条
FYB Preformed Armour Rods for Repair



JT 型接续管 (钳压)
JT Splicing Sleeves (notch)



JY 型接续管 (液压)
JY Splicing Sleeves (hydraulic compression)



JX 型补修管 (钢芯铝绞线用)
JX Repair Sleeves for ACSR Conductor



JB 型铝并沟线夹 (型材)
JB Aluminium Parallel Clamps



JB-TL 型铜铝并沟线夹
JB-TL Cu-Al Parallel Clamps



JY 型接续管 (钢绞线用、液压型)
JY Splicing Sleeves for Steel Wire
(hydraulic compression type)



JYD 型接续管
JYD Splicing Sleeves



接续管 (液压对接、钢绞线用)

Splicing sleeves for steel wire (hydraulic type)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)			握力 Slip Strength (kN)	参考重量 Weight (kg)
		D	d	L		
JY-35G	GJ-35	16	8.4	220	45	0.3
JY-50G	GJ-50	18	9.6	240	60	0.4
JY-55G	GJ-55	22	10.3	240	70	0.6
JY-70G	GJ-70	22	11.7	290	80	0.6
JY-80G	GJ-80	24	12.2	290	100	0.8
JY-100G	GJ-100	26	13.7	340	120	1.0
JY-150G	GJ-150	32	16.5	430	162	2.0

热镀锌钢制件。
Hot-dip galvanized steel.

接续管 (爆压搭接、钢绞线用)

Splicing Sleeves For Steel Wire (explosive overlap joint)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)			握力 Slip Strength (kN)	参考重量 Weight (kg)
		D	d	L		
JBD-35G	GJ-35	22	16	110	45	0.2
JBD-50G	GJ-50	25	17	130	60	0.3
JBD-55G	GJ-55	26	18	130	70	0.3
JBD-70G	GJ-70	28	20	150	80	0.4
JBD-80G	GJ-80	29	21	150	100	0.5
JBD-100G	GJ-100	32	24	170	120	0.6

热镀锌钢制件。
Hot-dip galvanized steel.

接续管 (液压、铝绞线用)

Splicing Sleeves For Aluminium Conductor (hydraulic compression type)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)					握力 Slip Strength (kN)	参考重量 Weight (kg)
		D	d	L	f			
JY-150L	LJ-150	30	17.0	180	20		22	0.4
JY-185L	LJ-185	32	19.0	310	20		27	0.5
JY-210L	LJ-210	34	20.0	330	20		31	0.6
JY-240L	LJ-240	36	21.5	350	20		34	0.7
JY-300L	LJ-300	40	24.0	390	25		45	1.0
JY-400L	LJ-400	45	27.5	450	25		58	1.2
JY-500L	LJ-500	52	30.5	510	30		73	2.0
JY-630L	LJ-630	60	34.0	570	35		97	3.0
JY-800L	LJ-800	65	38.5	650	40		110	3.8

铝制件。
Material is aluminum.

接续管 (爆压搭接、钢芯铝绞线用)

Splicing Sleeves For ACSR (explosive overlap joint)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)						握力 Slip Strength (kN)	参考重量 Weight (kg)
		D ₁	D ₂	d ₁	d ₂	L ₁	L ₂		
JYB-300/40	LGJ-300/40	40	22	25.5	17	430	120	90	1.1
JYB-300/50	LGJ-300/50	40	22	26.0	17	460	140	100	1.1
JYB-300/70	LGJ-300/70	42	24	27.0	19	550	160	120	1.4
JYB-400/35	LGJ-400/35	45	24	29.0	19	510	120	100	1.4
JYB-400/50	LGJ-400/50	45	24	29.5	19	500	140	120	1.5
JYB-400/65	LGJ-400/65	48	26	29.5	21	530	160	130	1.8
JYB-400/95	LGJ-400/95	48	26	31.0	23	560	170	160	1.9
JYB-500/65	LGJ-500/65	52	24	32.5	19	560	160	145	2.2

外接续管为铝制件，内接续管为热镀锌钢制件。
The outer sleeve is aluminum, the inner sleeve is hot-dip galvanized steel.



接续管（液压搭接，钢芯铝绞线用）

Splicing Sleeves for ACSR Conductor (hydraulic overlap joint)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)						握力 Slip Strength (kN)	参考重量 Weight (kg)
		D _h	D _s	L	L _s	d _h	d _s		
JYD-140/30	LGJ-240/30	36	20	450	100	23.0	12.0	70	0.9
JYD-140/40	LGJ-240/40	36	20	470	100	23.0	13.0	80	1.0
JYD-140/55	LGJ-240/55	36	22	490	120	24.0	16.0	100	1.1
JYD-300/15	LGJ-300/15	40	18	440	70	24.5	8.4	65	1.3
JYD-300/20	LGJ-300/20	40	18	450	80	25.0	9.8	70	1.3
JYD-300/25	LGJ-300/25	40	20	480	90	25.0	11.2	80	1.3
JYD-300/40	LGJ-300/40	40	20	490	100	25.5	13.3	90	1.3
JYD-300/50	LGJ-300/50	40	22	510	120	26.0	15.0	100	1.4
JYD-300/70	LGJ-300/70	42	24	560	130	26.5	18.0	120	1.5
JYD-400/20	LGJ-400/20	45	18	510	80	28.5	9.8	95	1.8
JYD-400/25	LGJ-400/25	45	20	520	90	28.5	11.2	90	1.9
JYD-400/35	LGJ-400/35	45	22	540	100	28.5	12.5	100	1.9
JYD-400/50	LGJ-400/50	45	24	570	120	29.5	15.4	120	1.9
JYD-400/65	LGJ-400/65	48	26	580	130	29.5	17.2	130	2.3
JYD-500/35	LGJ-500/35	52	22	580	100	31.5	12.5	115	2.8
JYD-500/45	LGJ-500/45	52	24	610	110	31.5	14.0	120	2.9
JYD-500/65	LGJ-500/65	52	26	640	130	32.5	17.2	150	2.9
JYD-630/45	LGJ-630/45	60	24	650	110	35.5	14.0	140	3.8
JYD-630/55	LGJ-630/55	60	26	680	120	36.0	16.0	155	3.8
JYD-720/50	LGJ-720/50	60	24	715	120	38.0	15.1	165	3.7
JYDH-720/50	LGJ-720/50	52	24	640	120	38.0	15.1	165	2.2
JYD-800/55	LGJ-800/55	65	26	730	120	40.0	16.0	180	4.7
JYD-800/70	LGJ-800/70	65	26	760	130	45.0	18.0	200	4.5

外接续管为铝制件，内接续管为热镀锌钢制件。
The outer sleeve is aluminum, the inner sleeve is hot-dip galvanized steel.

接续管（钳压，铝绞线用）

Splicing Sleeves for Aluminium Conductor (compression with pliers)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)				握力 Slip Strength (kN)	参考重量 Weight (kg)
		b	C ₁	C ₂	L		
JT-16L	LJ-16	1.7	12.0	6.0	110	2.7	0.02
JT-25L	LJ-25	1.7	14.4	7.2	120	4.1	0.03
JT-35L	LJ-35	1.7	17.0	8.5	140	5.5	0.04
JT-50L	LJ-50	1.7	20.0	10.0	190	7.5	0.05
JT-70L	LJ-70	1.7	23.7	11.7	210	10.4	0.07
JT-95L	LJ-95	1.7	26.8	13.4	280	13.7	0.10
JT-120L	LJ-120	2.0	30.0	15.0	300	18.4	0.15
JT-150L	LJ-150	2.0	34.0	17.0	320	22.0	0.16
JT-185L	LJ-185	2.0	38.0	19.0	340	27.0	0.20

铝制件。
Material is aluminum.



接续管（钳压，钢芯铝绞线用）

Splicing Sleeves for ACSR Conductor (compression with pliers)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)						握力 Slip Strength (kN)	参考重量 Weight (kg)
		a	b	C ₁	C ₂	r	L		
JT-10/3	LGJ-10/3	4.0	1.7	11.0	5.0	-	170	3.9	0.05
JT-16/3	LGJ-16/3	5.0	1.7	14.0	6.0	-	210	5.8	0.07
JT-25/4	LGJ-25/4	6.5	1.7	16.6	7.8	-	270	8.8	0.08
JT-35/6	LGJ-35/6	8.0	2.1	18.6	8.8	12.0	340	12.0	0.17
JT-50/8	LGJ-50/8	9.5	2.3	22.0	10.5	13.0	430	16.0	0.23
JT-70/10	LGJ-70/10	11.5	2.6	26.0	12.5	14.0	500	22.0	0.34
JT-95/15	LGJ-95/15	14.0	2.8	31.0	15.0	15.0	690	33.3	0.52
JT-120/20	LGJ-120/20	14.0	2.8	31.5	15.2	15.0	690	35.3	0.55
JT-120/7	LGJ-120/7	15.0	3.1	33.0	16.0	15.0	910	26.2	0.40
JT-120/20	LGJ-120/20	15.5	3.1	35.0	17.0	15.0	910	39.0	0.41
JT-150/8	LGJ-150/8	16.0	3.1	36.0	17.5	17.5	940	31.2	1.05
JT-150/20	LGJ-150/20	17.0	3.1	37.0	18.0	17.5	940	44.3	1.10
JT-150/25	LGJ-150/25	17.5	3.1	39.0	19.0	17.5	940	51.4	1.15
JT-185/10	LGJ-185/10	18.0	3.4	40.0	19.5	18.5	1040	38.8	1.40
JT-185/25	LGJ-185/25	19.5	3.4	43.0	21.0	18.0	1040	56.4	1.42
JT-185/30	LGJ-185/30	19.5	3.4	43.0	21.0	18.0	1040	61.1	1.50
JT-210/10	LGJ-210/10	20.0	3.6	43.0	21.0	19.5	1070	42.9	1.52
JT-210/25	LGJ-210/25	20.0	3.6	44.0	21.5	19.5	1070	62.7	1.58
JT-210/35	LGJ-210/35	20.5	3.6	45.0	22.0	19.5	1070	70.5	1.62
JT-240/30	LGJ-240/30	22.0	3.9	48.0	23.5	20.0	540	71.8	1.00
JT-240/40	LGJ-240/40	22.0	3.9	48.0	23.5	20.0	540	79.2	1.00

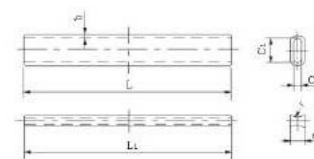
铝制件。
Material is aluminum.

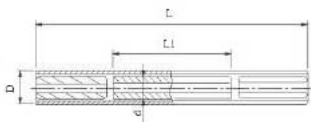
接续管（爆压，钢芯铝绞线用）

Splicing Sleeves for ACSR (explosive overlap joint)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)						握力 Slip Strength (kN)	参考重量 Weight (kg)
		a	b	C ₁	C ₂	r	L		
JTB-35/6	LGJ-35/6	8.0	2.1	18.6	8.8	12.0	170	12.0	0.08
JTB-50/8	LGJ-50/8	9.5	2.3	22.0	10.5	13.0	210	16.0	0.13
JTB-70/10	LGJ-70/10	11.5	2.6	26.0	12.5	14.0	250	22.2	0.19
JTB-95/15	LGJ-95/15	14.0	2.8	31.0	15.0	15.0	260	33.3	0.25
JTB-95/20	LGJ-95/20	14.0	2.8	31.5	15.2	15.0	260	35.3	0.25
JTB-120/7	LGJ-120/7	15.0	3.1	33.0	16.0	15.0	300	26.2	0.34
JTB-120/20	LGJ-120/20	15.5	3.1	35.0	17.0	15.0	300	39.0	0.34
JTB-150/8	LGJ-150/8	16.0	3.1	36.0	17.5	17.5	310	31.2	0.40
JTB-150/20	LGJ-150/20	17.0	3.1	37.0	18.0	17.5	310	44.3	0.40
JTB-150/25	LGJ-150/25	17.5	3.1	39.0	19.0	17.5	310	51.4	0.40
JTB-185/10	LGJ-185/10	18.0	3.4	40.0	19.5	18.0	350	38.8	0.50
JTB-185/25	LGJ-185/25	19.5	3.4	43.0	21.0	18.0	350	56.4	0.50
JTB-185/30	LGJ-185/30	19.5	3.4	43.0	21.0	18.0	350	61.1	0.50
JTB-210/10	LGJ-210/10	20.0	3.6	43.0	21.0	19.5	360	42.9	0.57
JTB-210/25	LGJ-210/25	20.0	3.6	44.0	21.5	19.5	360	62.7	0.61
JTB-210/35	LGJ-210/35	20.5	3.6	45.0	22.0	19.5	400	70.5	0.67
JTB-240/30	LGJ-240/30	22.0	3.9	48.0	23.5	20.0	370	71.8	0.80
JTB-240/40	LGJ-240/40	22.0	3.9	48.0	23.5	20.0	460	79.2	0.84

铝制件。
Material is aluminum.





铝包钢绞线用接管 (液压型)

Splicing Sleeves for AS Stranded wire (hydraulic compression type).

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)				握力 Slip Strength (kN)	参考重量 Weight(kg)
		D	d	L	L ₁		
JY-50BG	LB10J-50	32	18	440	240	55.8	1.00
JY-70BG	LB17J-70	32	20	550	320	65.8	1.63
JY-80BG	LB10J-80	34	24	550	320	85	2.12
JY-95BG	LB40J-95	34	24	550	330	56	1.66
JY-120BG	LB17J-120	36	26	640	400	112	2.00

外接管及两端衬管为铝制品,内接管为热镀锌钢制件。
The outer sleeve and lining sleeves are aluminum, the inner sleeve is hot-dip galvanized steel.

铝包钢芯铝绞线用接管 (液压型)

Splicing Sleeves for ACSR/AS (hydraulic compression type).

型号 Type	适用导线 Applicable Conductor	简图 Fig	主要尺寸 Dimensions(mm)				握力 Slip Strength (kN)	参考重量 Weight(kg)
			D	d	L	L ₁		
JY-30/47BG	ACSR/AS-30/47	2	36	18	400	250	64.6	1.30
JY-95/55BG	ACSR/AS-95/55	2	36	20	500	260	74	1.32
JYD-240/40BG	ACSR/AS-240/40	1	38	22	500	130	81.6	1.18
JYD-300/25BG	ACSR/AS-300/25	1	42	20	500	90	74.4	1.35
JYD-300/40BG	ACSR/AS-300/40	1	42	22	530	110	90.0	1.42
JYD-300/50BG	ACSR/AS-300/50	1	42	24	550	130	101	1.50
JYD-400/35BG	ACSR/AS-400/35	1	48	22	560	100	99.0	2.03
JYD-400/50BG	ACSR/AS-400/50	1	48	24	590	130	117	2.07

外接管及两端衬管为铝制品,内接管为热镀锌钢制件。
The outer sleeve and lining sleeves are aluminum, the inner sleeve is hot-dip galvanized steel.

接管 (液压,良导体地线用)

Splicing Sleeves (for good conductor earth wire, hydraulic)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)						握力 Slip Strength (kN)	参考重量 Weight(kg)
		D ₁	D ₂	d ₁	d ₂	L	L ₁		
JY-50/30	LGJ-50/30	26	14	16	7.4	340	190	40.5	0.6
JY-70/40	LGJ-70/40	32	18	21.0	8.8	450	215	55.4	1.0
JY-95/55	LGJ-95/55	34	22	23.0	10.2	480	230	74.2	1.3
JYD-95/55	LGJ-95/55	34	24	17.5	16.0	370	110	74.2	1.0
JY-120/70	LGJ-120/70	36	22	24	11.5	510	290	93.5	1.6

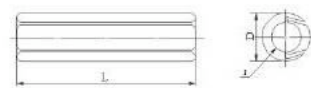
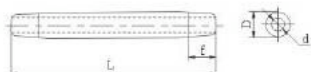
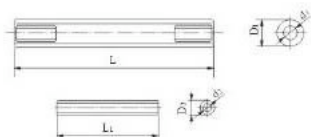
外接管及两端衬管为铝制品,内接管为热镀锌钢制件。
The outer sleeve and lining sleeves are aluminum, the inner sleeve is hot-dip galvanized steel.

架空绝缘线用接管

Splicing Sleeves for Insulated Overhead Cable.

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)				握力 Slip Strength (kN)	参考重量 Weight(kg)
		D	d	f	L		
JY-35LY	JKLYJ-35	20	7.6	15	130	4.9	0.10
JY-50LY	JKLYJ-50	20	9.0	15	140	6.7	0.10
JY-70LY	JKLYJ-70	22	11.0	15	170	9.8	0.13
JY-95LY	JKLYJ-95	24	12.5	15	190	13.0	0.17
JY-120LY	JKLYJ-120	26	14.0	15	210	16.5	0.22
JY-150LY	JKLYJ-150	28	15.5	20	240	20.0	0.28
JY-185LY	JKLYJ-185	32	17.0	20	260	25.4	0.40
JY-240LY	JKLYJ-240	34	19.5	20	290	33.0	0.50

铝制件。注:外绝缘用的胶皮可以另外配套供应。
Material is aluminum. Note: the material for insulation can be supplied.



补修管 (钢芯铝绞线用)

Repair Sleeves for ACSR Conductor

型号 Type	适用导线 Applicable conductor	主要尺寸 Dimensions(mm)			参考重量 Weight(kg)
		D	L	r	
JX-70/40	LGJ-70/40	26	150	7.25	0.15
JX-95	LGJ-95/55 95/30	26	150	7.25	0.15
JX-120/20	LGJ-120/20	26	160	8.1	0.12
JX-150	LGJ-150/20 150/25	30	170	9.0	0.21
JX-95/55	LGJ-95/55	32	150	9.0	0.25
JX-185/10	LGJ-185/10	32	170	10.0	0.20
JX-185	LGJ-185/25 185/30 185/45 210/10	32	170	10.5	0.20
JX-210	LGJ-210/25 210/35	34	220	11.0	0.29
JX-240	LGJ-240/30 240/40 210/50	36	220	11.5	0.33
JX-240/55	LGJ-240/55	36	220	12.0	0.31
JX-300/15	LGJ-300/15	40	270	12.5	0.52
JX-300	LGJ-300/20 300/25 300/40 300/50	40	270	13.0	0.51
JX-300/70	LGJ-300/70	42	270	13.5	0.55
JX-400	LGJ-400/20 400/25 400/35 400/50	45	320	14.5	0.75
JX-400/65	LGJ-400/65	48	320	15.0	0.90
JX-400/95	LGJ-400/95	48	320	15.5	0.85
JX-500	LGJ-500/35 500/45 500/65	52	370	16.0	1.07
JX-630	LGJ-630/45 630/55 630/80	60	370	18.0	1.70
JX-720/50	LGJ-720/50	60	370	19.0	2.0
JX-800/55	LGJ-800/55	65	370	20.0	1.90
JX-800	LGJ-800/70 800/100	65	370	20.5	1.90

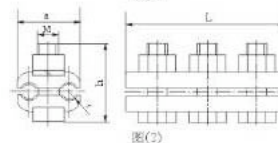
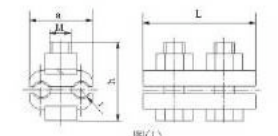
铝制件。
Material is aluminum.

补修管 (钢绞线用)

Repair Sleeves for Steel Wire

型号 Type	适用导线 Applicable conductor	主要尺寸 Dimensions(mm)			参考重量 Weight(kg)
		D	L	r	
JX-35G	GJ-35	16	120	4.2	0.11
JX-50G	GJ-50	18	120	4.8	0.14
JX-70G	GJ-70	22	140	5.8	0.25
JX-80G	GJ-80	24	140	6.2	0.40
JX-100G	GJ-100	26	160	7.0	0.41
JX-150G	GJ-150	32	200	8.4	0.90

热镀锌钢制件。
Hot-dip galvanized steel.



并沟线夹 (钢绞线用)

Parallel Clamps for Steel Wire

型号 Type	适用钢绞线外径 Applicable section(mm)	简图 Fig	主要尺寸 Dimensions(mm)					参考重量 Weight(kg)
			a	M	L	r	b	
JPB-1	6~7.3	1	44	13	90	4.5	48	0.7
JPB-2	9.6~11.0	1	50	16	90	6.0	60	1.0
JPB-3	13.0~14.0	2	56	16	124	7.0	85	1.9

线夹本体和盖板为可锻铸铁件,其余为钢制件,全部热镀锌。
The clamp body and keepers are malleable iron, all parts are hot-dip galvanized steel.

预绞丝补修条

Preformed Armour Rods for Repair

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)			每捆根数 No. of a Group	参考重量 Weight (kg)
		D	d	L		
FYB-95/15	LGJ-95/15	3.6	11.4	420	13	0.14
FYB-95/20	LGJ-95/20	3.6	11.4	420	13	0.16
FYB-95/55	LGJ-95/55	3.6	13.3	420	16	0.17
FYB-120/7	LGJ-120/7	3.6	12.0	450	14	0.18
FYB-120/20	LGJ-120/20	3.6	12.5	450	14	0.18
FYB-120/25	LGJ-120/25	3.6	13.0	450	14	0.18
FYB-150/8	LGJ-150/8	3.6	13.3	480	16	0.20
FYB-150/20	LGJ-150/20	3.6	14.7	480	16	0.21
FYB-150/25	LGJ-150/25	3.6	14.3	480	16	0.21
FYB-150/35	LGJ-150/35	3.6	14.5	480	16	0.21
YJB-35	LGJ-35	3.6	7.1	270	9	0.08
YJB-50	LGJ-50	3.6	8.2	300	10	0.09
YJB-70	LGJ-70	3.6	9.7	340	11	0.12
YJB-95	LGJ-95	4.6	11.6	420	11	0.23
YJB-120	LGJ-120	4.6	12.9	450	12	0.27
YJB-150	LGJ-150	4.6	14.4	480	13	0.30
YJB-185	LGJ-185	4.6	16.2	530	14	0.39
YJB-240	LGJ-240	6.3	18.4	640	12	0.66
YJB-300	LGJ-300	6.3	20.5	700	13	0.80
YJB-400	LGJ-400	6.3	23.8	820	14	1.05
YJB-300Q	LGJ-300Q	6.3	20.0	700	13	0.80
YJB-400Q	LGJ-400Q	6.3	23.0	820	14	1.05
YJB-500Q	LGJ-500Q	7.8	25.7	870	13	1.74

铝合金制作。
Material: aluminum alloy.

四变二线夹

Connectors for 4-2 Bundle Conductors

型号 Type	适用导线 Applicable Conductor		主要尺寸 Dimensions(mm)			参考重量 Weight (kg)
	分裂导线	跳线	a	b	c	
JR-2/4-1	LGJQ-300	LGKK-900	450	450	346	20.60
JR-2/4-2	LGJQ-400	LGKK-900	450	450	346	22.50
JR-2/4-3	LGJQ-300	LG/QT-1400	450	450	353	21.60
JR-2/4-4	LGJQ-400	LG/QT-1400	450	450	353	24.10
JT-1 × 1400/4 × 400	LGJQ-400	LG/QT-1400	450	450	160	16.60

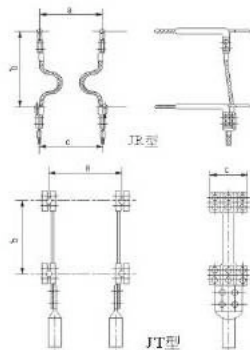
JR 型线夹是铜制品, JT 型线夹本体和盖板为铝制品, 其余为热镀锌钢制品。
The clamp of JR type is copper-aluminum, the body and keepers of JT type are aluminum, the other parts are hot-dip galvanized steel.

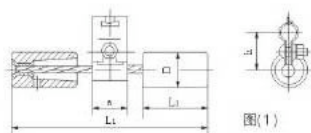
防护金具 Protective Fittings

防护金具主要用于减小架空电力线路导线、避雷线的振动幅度, 以及 330kV 以上线路和变电所绝缘子串的均压屏蔽等, 如: 防振锤、间隔棒。

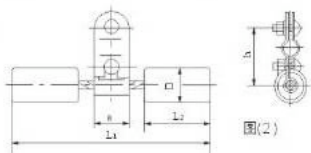
产品型号中字母的意义为:
M-母线 R-软导线 F-防护、封头 Y-预绞丝 D-导线 J-间隔、均压 Z-终端、阻尼 Q-球绞 G-钢绞线
使用电压在 330kV 及以上的产品, 在 1.05 倍最高运行电压下无可见电晕, 防护金具如防振锤、四分裂阻尼间隔棒等耐 10⁶ 次模拟微风振动试验。

防振锤、间隔棒线夹与导线连接时, 应根据使用情况可在导线外缠铝包带。

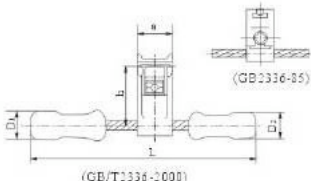
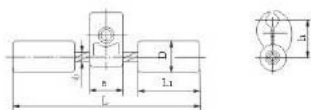




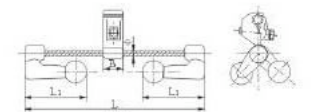
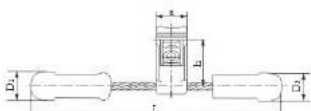
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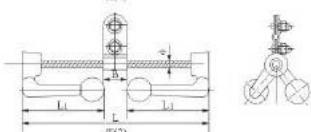
图(2)



(GB/T1336-2000)



(FK1)



(FK2)

防振锤

Dampers

型号 Type	绞线截面 Conductor(mm ²)	主要尺寸 Dimensions(mm)						钢绞线 规格 Specification	锤头 重量 Weight (kg)	参考重量 Weight (kg)
		简图 Fig	D	a	h	L ₁	L ₂			
FD-1	35-50	1	40	40	40	300	95	7/2.6	0.54	1.5
FD-2	70-90	1	46	45	55	370	130	7/3.0	0.94	2.4
FD-3	120-150	1	56	60	65	450	150	19/2.2	1.74	4.5
FD-4	185-240	1	62	60	70	500	175	19/2.2	2.17	5.6
FD-5	300-500	1	67	70	75	550	200	19/2.6	3.00	7.2
FD-6	500-630	1	70	70	75	550	200	19/2.6	3.60	8.6
FG-35	35	2	42	45	50	300	100	7/3.0	0.84	1.8
FG-50	50	2	46	45	50	350	130	7/3.0	0.94	2.4
FG-70	70	2	56	60	60	400	150	19/2.2	1.74	4.2
FG-100	100	2	62	60	65	500	175	19/2.2	2.40	5.9

锤头为灰铸铁件，涂漆，其余为热镀锌钢制件。
Counter weights are grey iron, painted, the other parts are hot-dip galvanized steel.

防振锤(500kV线路用)

Damper for 500kV line

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸 Dimensions(mm)						参考重量 Weight(kg)
		L	L ₁	D	φ	h	a	
FF-5	23.0~28.0	550	200	67	13	70	70	7.4
FF-5A	23.0~28.0	550	200	67	13	95	70	7.5

线夹为铝合金件，锤头为热镀锌灰铸铁件，其余为热镀锌钢制件。
The clamp is aluminum alloy, counter weights are grey iron, the other parts are hot-dip galvanized steel.

防振锤(FR型)

Dampers (type FR)

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸 Dimensions(mm)						参考重量 Weight(kg)
		L	D ₁	D ₂	h	a		
FR-1	7~12	439	48	43	81	50		2.3
FR-2	13~12	439	48	43	81	50		2.3
FR-3	13~28	505	57	57	91	60		5.0
FR-3A	23~34	505	57	57	96	60		5.0
FR-4	23~36	550	64	64	97	60		7.6

线夹根据要求，锤头为热镀锌可锻铸铁件，其余为热镀锌钢制件。
The counter weights are hot-dip galvanized malleable iron, the other parts are hot-dip galvanized steel.

防振锤

Damper

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)						参考重量 Weight(kg)
		L	a	h	D ₁	D ₂		
FR-4/39	LGJ-70/50	550	68	127	64	64		7.9

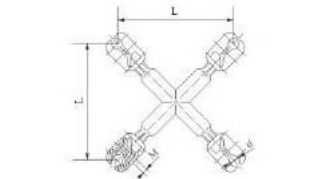
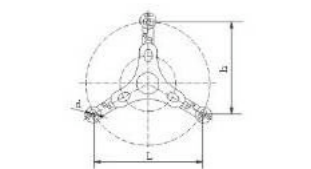
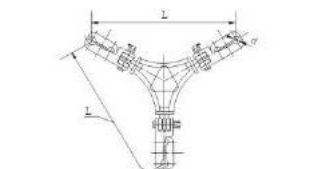
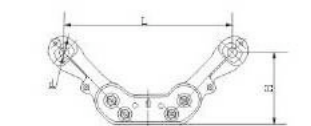
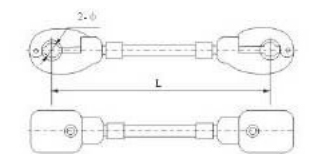
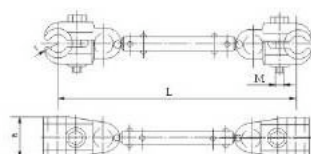
线夹为铝合金件，锤头为可锻铸铁件，其余为热镀锌钢制件。
The clamps are aluminum alloy, counter weights are malleable iron, the other parts are hot-dip galvanized steel.

防振锤(FDZ型)

Dampers (type FDZ)

型号 Type	简图 Fig	适用导线截面 Applicable Conductor(mm ²)	主要尺寸 Dimensions(mm)						参考重量 Weight(kg)
			L	L ₁	B	φ			
FDZ-1	1	35-50	330	120	50	9			1.8
FDZ-2		70-95	350	130	50	9			2.3
FDZ-3		120-150	430	150	55	11			4.4
FDZ-4		185-240	470	160	55	11			5.5
FDZ-5	2	300-400	520	180	60	13			7.2
FDZ-5GG		35-50	350	130	45	9			2.6
FDZ-6		500-630	550	196	70	13			8.6

线夹为铝合金件，锤头为灰铸铁件，其余为热镀锌钢制件。
The clamp is aluminum alloy, counter weights are grey iron, the other parts are hot-dip galvanized steel.



间隔棒(FJQ型)

Spacers(type FJQ)

型号 Type	适用导线截面 Applicable Conductor(mm ²)	主要尺寸 Dimensions(mm)				轴向载荷 Axis-direction Strength (kN)	参考重量 Weight(kg)
		a	M	r	L		
FJQ-204	135-240	60	12	11.0	200	7	0.9
FJQ-205	300-400	60	12	14.5	200	10	1.1
FJQ-404	135-240	60	12	11.0	400	7	1.0
FJQ-405	300-400	60	12	14.5	400	10	1.2
FJQ-455	300-400	70	16	15.4	450	10	2.4

本体、压板和铆钉为铝合金件，其余为热镀锌钢制件。
The body, keepers and rivet are aluminum alloy, the other parts are hot-dip galvanized steel.

间隔棒(FJB型)

Spacers(type FJB)

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸 Dimensions(mm)		参考重量 Weight(kg)
		L	φ	
FJB-45400	26.8~28.0	400	27.5	2.50
FJB-45400J	28.0~29.2	450	28.0	2.50

本体、压板和铆钉为铝合金件，其余为热镀锌钢制件。
The body, keepers and rivet are aluminum alloy, the other parts are hot-dip galvanized steel.

二分裂阻尼间隔棒(FJZ型)

Spacer-Dampers for Two-Bundle Conductor (type FJZ)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)			参考重量 Weight(kg)
		L	d	H	
FJZ-240/300	LGJ-300/40-50	400	19.4	170	3.5
FJZ-240/400	LGJ-400/35-40	400	23.0	170	3.5
FJZ-255/400	LGJ-400/50-95	550	27.0	190	4.0

线夹为铝合金件，阻尼垫为合成橡胶，其余为热镀锌钢制件。
The clamps are aluminum alloy, dampers are elastomer, the other parts are hot-dip galvanized steel.

间隔棒(三分裂导线用)

Spacer-Dampers for Three-Bundle Conductor (type JX)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)		参考重量 Weight(kg)
		L	d	
JX-300	LGJQ-300	450	26	5.6
JX-400	LGJQ-400	450	29	5.6

线夹为铝合金件，阻尼垫为合成橡胶，其余为热镀锌钢制件。
The clamps are aluminum alloy, dampers are elastomer, the other parts are hot-dip galvanized steel.

间隔棒(三分裂导线用)

Spacer-Dampers for Three-Bundle Conductor (type FJZ)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions(mm)			参考重量 Weight(kg)
		d	h	L	
FJZ-330/440	HL GJT-440	33	640	300	13.2

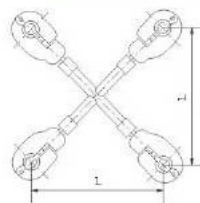
线夹为铝合金件，阻尼垫为合成橡胶，其余为热镀锌钢制件。
The clamps are aluminum alloy, dampers are elastomer, the other parts are hot-dip galvanized steel.

间隔棒(跳线用)

Spacers for Jumper Conductor (type FJY)

型号 Type	适用导线外径 Applicable Conductor(mm)	主要尺寸 Dimensions(mm)			参考重量 Weight(kg)
		L	M	d	
FJY-20	23-26	200	12	27	2.7
FJY-25	23-26	450	12	27	3.1

线夹为铝合金件，其余为热镀锌钢制件。
The clamp body is aluminum alloy, the other parts are hot-dip galvanized steel.



跳线间隔棒(JTZ, 型)

Spacers for Jumper Conductor (type JTZ,)

型号 Type	适用导线外径 Applicable Conductor (mm)	主要尺寸 Dimensions (mm)		参考重量 Weight (kg)
		L		
JTZ-45300	23.0~24.5	450		5.8
JTZ-45400	26.0~28.0	450		5.8

线夹为铝合金件, 其余为热镀锌钢制件。
The clamp is aluminum alloy; the other parts are hot-dip galvanized steel.

四分裂导线阻尼间隔棒

Spacer-Dampers for Four-Bundle Conductor

型号 Type	适用导线外径 Applicable Conductor (mm)	主要尺寸 Dimensions (mm)		参考重量 Weight (kg)
		L	L ₁	
JZF-45300	23.0~24.5	450	160	7.7
JZF-45300J	25.2	450	160	7.7
JZF-45400	26.0~28.0	450	160	7.7
JZF-45400J	29.14	450	160	7.7
JZF-50630	33.0~34.32	500	150	9.3
JZF-50730	36.24	500	150	9.28

线夹为铝合金件, 阻尼器为合成橡胶, 其余为热镀锌钢制件。
The clamps are aluminum alloy. Dampers are elastomer. The other parts are hot-dip galvanized steel.

六分裂阻尼间隔棒

Spacer-Dampers for Six-Bundle Conductor (type FJZ)

型号 Type	适用导线 Applicable Conductor	主要尺寸 Dimensions (mm)		参考重量 Weight (kg)
		L	L ₁	
FJZ6-375/240	LQJ-240/30~55	750	375	12.0
FJZ6-640/400	LQJ-400/35~50	800	400	13.5

线夹为铝合金件, 阻尼器为合成橡胶, 其余为热镀锌钢制件。
The clamps are aluminum alloy. Dampers are elastomer. The other parts are hot-dip galvanized steel.

间隔棒(TJ 型 500kV 跳线用)

Spacers (type TJ, for 500kV Jumper)

型号 Type	适用 Applicable		主要尺寸 Dimensions (mm)			参考重量 Weight (kg)
	导线 Conductor	延长杆 Extend Pole	φ1	φ2	L	
TJ-12400(22/28)	LQJ-400/50	YL-1040	28	22	120	0.30
TJ-12400(24/28)	LQJ-400/50	YL-1657	28	24	120	0.32
TJ-12500(22/30)	LQJ-500/45	YL-1040	30	22	120	0.33
TJ-12500(24/30)	LQJ-500/45	YL-1657	30	24	120	0.35
TJ-12630(22/34.5)	LQJ-630/55	YL-1040	34.5	22	120	0.36
TJ-12630(24/34.5)	LQJ-630/55	YL-2065	34.5	24	120	0.38
TJ-12720	LQJ-720/50	YL-2165S	37	24	120	0.35

本体和压板为铝合金件, 其余为热镀锌钢制件。
The body and keepers are aluminum alloy; the other parts are hot-dip galvanized steel.



预绞丝护线条

Preformed armor rod



型号 Type	适用导线 Conductor		主要尺寸 Dimensions (mm)			每根根数 No. of per group	参考重量 Weight (kg)
	型号 Type	外径 Dia (mm)	d	D	L		
FYH-95/15	LQJ-95/15	13.61	3.6	11.4	1400	13	0.53
FYH-95/20	LQJ-95/20	13.87	3.6	11.4	1400	13	0.54
FYH-95/55	LQJ-95/55	16.00	3.6	13.3	1500	16	0.63
FYH-120/7	LQJ-120/7	14.50	3.6	12.0	1400	14	0.55
FYH-120/20	LQJ-120/20	15.07	3.6	12.5	1400	14	0.57
FYH-120/25	LQJ-120/25	15.74	3.6	13.0	1400	14	0.58
FYH-120/70	LQJ-120/70	18.00	4.6	14.9	1800	14	0.75
FYH-150/8	LQJ-150/8	16.00	3.6	13.3	1500	16	0.62
FYH-150/20	LQJ-150/20	16.67	3.6	14.7	1500	16	0.65
FYH-150/25	LQJ-150/25	17.10	3.6	14.2	1500	16	0.64
FYH-150/35	LQJ-150/35	17.50	3.6	14.5	1500	16	0.66
FYH-185/10	LQJ-185/10	18.00	4.6	14.9	1800	14	1.24
FYH-185/25	LQJ-185/25	18.90	4.6	15.7	1800	14	1.25
FYH-185/30	LQJ-185/30	18.88	4.6	15.7	1800	14	1.26
FYH-185/45	LQJ-185/45	19.60	4.6	16.3	1800	14	1.26
FYH-210/10	LQJ-210/10	19.00	4.6	15.9	1800	14	1.27
FYH-210/25	LQJ-210/25	19.93	4.6	16.6	1800	14	1.28
FYH-210/35	LQJ-210/35	20.38	4.6	16.9	1800	14	1.28
FYH-210/50	LQJ-210/50	20.86	4.6	17.3	1800	14	1.30
FYH-240/30	LQJ-240/30	21.60	4.6	17.9	1900	16	1.44
FYH-240/40	LQJ-240/40	21.66	4.6	17.9	1900	16	1.44
FYH-240/55	LQJ-240/55	22.40	4.6	18.6	1900	16	1.50
FYH-300/15	LQJ-300/15	23.01	6.3	19.1	2000	13	2.30
FYH-300/20	LQJ-300/20	23.43	6.3	19.4	2000	13	2.30
FYH-300/25	LQJ-300/25	23.76	6.3	19.7	2000	13	2.33
FYH-300/40	LQJ-300/40	23.94	6.3	19.9	2000	13	2.34
FYH-300/50	LQJ-300/50	24.26	6.3	20.1	2000	13	2.34
FYH-300/70	LQJ-300/70	25.20	6.3	20.9	2200	13	2.54
FYH-400/20	LQJ-400/20	26.91	6.3	22.3	2000	14	2.80
FYH-400/25	LQJ-400/25	26.64	6.3	22.1	2200	14	2.80
FYH-400/35	LQJ-400/35	26.82	6.3	22.3	2200	14	2.80
FYH-400/50	LQJ-400/50	27.63	6.3	23.0	2200	14	2.80
FYH-400/65	LQJ-400/65	28.00	6.3	23.2	2200	14	2.83
FYH-400/95	LQJ-400/95	29.14	6.3	24.8	2200	14	2.85
FYH-500/35	LQJ-500/35	30.00	6.3	24.9	2500	16	3.48
FYH-500/45	LQJ-500/45	30.00	6.3	24.9	2500	16	3.48
FYH-500/65	LQJ-500/65	30.96	6.3	25.7	2500	16	3.50
FYH-630/45	LQJ-630/45	33.60	7.8	27.9	2500	15	5.12
FYH-630/55	LQJ-630/55	34.32	7.8	28.5	2500	15	5.40
FYH-630/80	LQJ-630/80	34.82	7.8	28.9	2500	15	5.40
FYH-720/50	LQJ-720/50	36.24	7.8(9.2)	31	3000	15	6.20
FYH-800/55	LQJ-800/55	38.40	7.8	31.8	2500	17	6.02
FYH-800/70	LQJ-800/70	38.58	7.8	32.1	2500	17	6.10
FYH-800/100	LQJ-800/100	38.98	7.8	32.3	2500	17	6.02

铝合金件。
Material is aluminum alloy.



铜连接管（通孔）

Copper Connecting Tubes (passing through)

型号 Type	主要尺寸 Dimensions (mm)		
	d	D	L
GT-Q-16	6	9	56
GT-Q-25	7	10	60
GT-Q-35	8	11	64
GT-Q-50	10	13	72
GT-Q-70	11	15	78
GT-Q-95	13	18	82
GT-Q-130	15	20	90
GT-Q-150	17	23	94
GT-Q-135	19	25	100
GT-Q-240	21	27	110
GT-Q-300	23	30	120
GT-Q-400	26	34	130

铜制件。
The body is copper

GTY引进铜接线管

Import Copper Connecting Tube (type GTY)

型号 Type	主要尺寸 Dimensions (mm)		
	D	d	L
GTY-1.5	3.7	1.8	20
GTY-2.5	4	2.5	20
GTY-4	4.8	3.1	20
GTY-5.5	5.5	3.8	25
GTY-10	6.8	4.8	30
GTY-16	7.5	5.5	35
GTY-25	9	7	40
GTY-35	10.5	8.2	45
GTY-50	12.5	9.8	50
GTY-70	14.5	11.5	55
GTY-95	17.5	13.5	60
GTY-120	19.5	15	65
GTY-150	21	16.5	70
GTY-185	23.5	18.5	75
GTY-240	26.5	21	80
GTY-300	30	24	85
GTY-400	34	27	90
GTY-500	38	30	100
GTY-630	45	35	110
GTY-800	50	39	150
GTY-1000	56	44	170

铜制件。
The body is copper

附录3：导线资料

铜芯铝绞线(LGJ/LGJF)的结构与技术指标 GB1179-83
Structure and Technical Index of ACSR (type LGJ, LGJF)

标称截面 Nominal Area Al/Steel (mm²)	结构根数/直径 Structure Amount/dia		计算截面 (mm²)			外径 Out Dia (mm)	直流电阻 不大于 Direct Current Resistance No More Than (Ω/km)	计算拉断力 Calculated Breaking Load (kN)	计算重量 Calculated Weight (kg/km)	交货长度 不小于 Length No Less Than (m)
	铝 Aluminum	钢 Steel	铝 Aluminum	钢 Steel	总计 Total					
10/2	6/1.50	1/1.50	10.60	1.77	12.37	4.50	2.706	4120	42.9	3000
16/3	6/1.85	1/1.85	16.13	2.69	18.82	5.55	1.779	6130	65.2	3000
25/4	6/2.32	1/2.32	25.35	4.23	29.59	6.96	1.131	9290	102.6	3000
35/6	6/2.72	1/2.72	34.86	5.81	40.67	8.16	0.8130	12630	141.8	3000
50/8	6/3.20	1/3.20	48.25	8.04	56.29	9.60	0.5946	16870	195.1	3000
50/30	12/2.32	7/2.32	50.73	29.59	80.32	11.60	0.5692	42620	327.8	3000
70/10	6/3.80	1/3.80	68.05	11.34	79.39	11.40	0.4217	23390	275.2	3000
70/40	12/2.72	7/2.72	69.73	40.67	110.40	13.60	0.4141	58300	511.3	3000
95/15	26/2.15	7/1.67	94.39	15.33	109.72	16.61	0.3053	35000	388.8	2000
95/20	7/1.85	7/1.85	95.14	18.82	113.96	18.87	0.3019	37200	408.9	2000
95/55	12/3.20	7/3.20	96.51	56.30	152.81	18.00	0.2992	78110	707.7	3000
120/7	18/2.90	1/2.90	118.89	6.61	125.50	14.50	0.2422	27570	379.8	2000
120/20	26/2.38	7/1.85	115.67	18.82	134.49	15.07	0.2496	41000	466.8	2000
120/25	7/4.72	7/2.10	122.48	24.25	146.73	15.74	0.2345	47830	528.6	2000
120/70	12/3.60	7/3.60	122.15	71.25	193.40	18.00	0.2364	98370	895.6	2000
150/8	18/3.20	1/3.20	144.76	8.04	152.80	16.00	0.1989	33860	461.4	2000
150/20	24/2.78	7/1.85	145.68	18.82	164.50	16.87	0.1980	46630	549.4	2000
150/25	26/2.70	7/2.10	148.86	24.25	173.11	17.10	0.1939	54110	601.0	2000
150/35	30/2.50	7/2.50	147.26	34.36	181.62	17.50	0.1962	65020	676.2	2000
185/10	18/3.60	1/3.60	183.22	10.18	193.40	18.00	0.1572	40880	584.0	2000
185/25	24/3.15	7/2.10	187.81	24.25	211.29	18.90	0.1542	59420	706.1	2000
185/30	26/2.98	7/2.32	181.34	29.59	201.93	18.88	0.1592	64320	732.6	2000
185/45	30/2.80	7/2.80	184.73	43.10	227.83	19.60	0.1564	80190	848.2	3000
210/10	18/3.00	1/3.80	204.14	11.34	215.48	19.00	0.1411	45140	650.7	2000
210/25	24/3.33	7/2.22	209.82	27.10	236.92	19.88	0.1380	65990	789.1	2000
210/35	26/3.22	7/2.50	211.73	34.36	246.09	20.38	0.1363	74250	853.9	2000
210/50	30/2.98	7/2.98	209.34	48.82	258.06	20.86	0.1381	90830	968.8	2000
240/30	24/3.60	7/2.40	244.29	34.67	278.96	21.00	0.1181	75620	922.2	2000
240/40	26/3.42	7/2.66	238.85	38.90	277.75	21.66	0.1209	83370	964.8	2000
240/55	30/3.20	7/3.20	241.27	56.30	297.57	22.40	0.1198	102100	1103	2000
300/15	42/3.00	7/1.67	296.88	15.33	312.21	23.81	0.09724	68060	939.8	2000
300/20	45/2.93	7/6.95	303.42	20.91	324.33	23.43	0.9520	75680	1002	2000
300/25	48/2.85	7/2.22	306.21	27.10	333.31	23.76	0.09433	83410	1058	2000
300/40	24/3.99	7/2.66	300.89	38.90	339.99	23.94	0.09614	91220	1133	2000
300/50	26/3.83	7/2.98	299.54	48.82	348.36	24.26	0.09636	103400	1210	2000
300/70	30/3.60	7/3.60	305.36	71.25	376.61	25.20	0.09463	128000	1402	2000
400/20	42/3.51	7/1.95	406.40	20.91	427.31	26.91	0.07184	38850	1286	1500
400/25	45/3.33	7/2.22	391.91	27.10	419.01	26.64	0.07370	95940	1295	1500
400/35	48/3.22	7/2.50	390.88	34.36	425.24	26.82	0.07389	103900	1349	1500
400/50	54/3.07	7/3.07	399.73	51.82	451.55	27.83	0.07232	123400	1511	1500
400/65	26/4.42	7/3.44	398.94	65.06	464.00	28.00	0.07236	135200	1611	1500
400/95	30/4.16	19/2.50	407.75	93.27	501.02	29.14	0.07087	171300	1860	1500
500/35	45/3.75	7/2.50	497.81	34.36	532.17	30.00	0.05812	119500	1842	1500
500/45	48/3.60	7/2.80	488.58	43.10	531.68	30.00	0.05912	128100	1888	1500
500/65	54/3.44	7/3.44	501.88	65.06	566.94	30.96	0.05760	154000	1897	1500
630/45	45/4.20	7/2.80	623.45	43.10	666.55	33.60	0.04633	148700	2060	1200
630/55	48/4.12	7/3.20	639.92	56.30	696.22	34.32	0.04514	164400	2209	1200
630/80	54/3.87	19/2.32	635.19	80.32	715.51	34.82	0.04551	192900	2388	1200
*720/50	45/4.53	7/3.02	725.27	50.14	775.5	36.24	0.0398	170700	2410	1200
800/55	45/4.30	7/3.20	814.30	56.30	870.60	38.40	0.03547	191500	2690	1000
800/70	48/4.63	7/3.60	808.15	71.25	879.40	38.58	0.03574	207000	2791	1000
800/100	54/4.33	19/2.60	795.17	100.88	896.05	38.98	0.03635	241100	2991	1000

* ASTM B132





镀锌钢绞线的结构与技术指标 (YB/T 5004-2001)

Structure and Technical Index of Galvanized Steel Strand

结构 Structure	公称直径 Dia. Standard (mm)		全部钢丝断面面积 Steel Wire Section of Total (mm²)	公称抗拉强度 Resistance Intensity of Standard (Mpa)				参考重量 Weight (kg/100m)
	钢绞线 Steel Twine	钢丝 Steel Wire		1270	1370	1470	1570	
				钢绞线最小破断拉力 The Least Critical Pull of Steel Wire(kN)				
1×3	6.2	2.90	19.32	23.10	24.90	26.80	28.60	16.49
	6.4	3.20	24.13	28.10	30.04	32.00	34.00	20.09
	7.5	3.50	38.38	33.70	36.30	39.00	41.60	24.03
	8.6	4.00	37.70	44.00	47.50	50.90	54.40	31.38
1×7	3.0	1.00	5.50	6.42	6.92	7.43	7.94	4.58
	3.3	1.10	6.65	7.77	8.38	8.99	9.60	5.54
	3.6	1.20	7.92	9.25	9.97	10.70	11.40	6.59
	3.9	1.30	9.29	10.80	11.70	12.50	13.40	7.73
	4.2	1.40	10.78	12.50	13.50	14.50	15.50	8.97
	4.5	1.50	12.37	14.40	15.50	16.70	17.80	10.30
	4.8	1.60	14.07	16.40	17.70	19.00	20.30	11.71
	5.1	1.70	15.89	18.50	20.00	21.40	22.90	13.23
	5.4	1.80	17.81	20.80	22.40	24.00	25.70	14.83
	6.0	2.00	21.99	25.60	27.70	29.70	31.70	18.31
	6.6	2.20	26.61	31.00	33.50	35.90	38.40	22.15
	7.2	2.40	31.67	37.00	39.90	42.80	45.70	26.36
	7.8	2.60	37.16	43.40	46.80	50.10	53.60	30.93
	8.4	2.80	43.10	50.30	54.30	58.20	62.20	35.88
	9.0	3.00	49.48	57.80	62.30	66.90	71.40	41.19
	9.6	3.20	56.30	65.70	70.90	76.10	81.30	46.87
1×9	10.5	3.50	67.35	78.60	84.80	91.00	97.20	56.07
	11.4	3.80	79.39	92.70	100.00	107.00	114.00	66.09
	12.0	4.00	87.96	102.00	110.00	118.00	127.00	73.22
	13.0	4.50	104.92	120.00	130.00	140.00	150.00	86.42
	14.0	5.00	123.06	140.00	152.00	164.00	176.00	100.03
	15.0	5.50	142.39	162.00	176.00	190.00	204.00	115.03
	16.0	6.00	162.80	186.00	202.00	218.00	234.00	131.39
	17.0	6.50	184.30	212.00	230.00	248.00	266.00	149.99
	18.0	7.00	206.80	240.00	260.00	280.00	300.00	170.35
	19.0	7.50	230.30	270.00	292.00	314.00	336.00	192.30
	20.0	8.00	254.80	302.00	326.00	350.00	374.00	215.80
	21.0	8.50	280.30	336.00	362.00	388.00	414.00	240.80
1×12	22.0	9.00	306.80	372.00	400.00	428.00	456.00	267.30
	23.0	9.50	334.30	410.00	440.00	470.00	500.00	295.80
	24.0	10.00	362.80	450.00	482.00	514.00	546.00	326.30
	25.0	10.50	392.30	492.00	526.00	560.00	594.00	358.80
	26.0	11.00	422.80	536.00	572.00	608.00	644.00	393.30
	27.0	11.50	454.30	582.00	620.00	658.00	696.00	429.80
	28.0	12.00	486.80	630.00	670.00	710.00	750.00	468.30
	29.0	12.50	520.30	680.00	722.00	764.00	806.00	508.80
	30.0	13.00	554.80	732.00	776.00	820.00	864.00	551.30
	31.0	13.50	590.30	786.00	832.00	878.00	924.00	595.80
	32.0	14.00	626.80	842.00	890.00	938.00	986.00	642.30
	33.0	14.50	664.30	900.00	950.00	1000.00	1050.00	690.80
	34.0	15.00	702.80	960.00	1012.00	1064.00	1116.00	741.30
	35.0	15.50	742.30	1022.00	1076.00	1130.00	1184.00	793.80
	36.0	16.00	782.80	1084.00	1142.00	1200.00	1258.00	848.30
	37.0	16.50	824.30	1148.00	1210.00	1268.00	1326.00	904.80
1×16	38.0	17.00	866.80	1214.00	1280.00	1340.00	1400.00	963.30
	39.0	17.50	910.30	1282.00	1350.00	1412.00	1474.00	1023.80
	40.0	18.00	954.80	1352.00	1422.00	1484.00	1546.00	1086.30
	41.0	18.50	1000.30	1424.00	1500.00	1562.00	1624.00	1150.80
	42.0	19.00	1046.80	1500.00	1582.00	1644.00	1706.00	1217.30
	43.0	19.50	1094.30	1578.00	1666.00	1728.00	1790.00	1285.80
	44.0	20.00	1142.80	1658.00	1752.00	1812.00	1874.00	1356.30
	45.0	20.50	1192.30	1740.00	1840.00	1900.00	1962.00	1428.80
	46.0	21.00	1242.80	1824.00	1930.00	1992.00	2054.00	1503.30
	47.0	21.50	1294.30	1910.00	2022.00	2084.00	2146.00	1579.80

产品型号及尺寸如有修订, 恕不另行通知。
If the model or size of products contain amendment, forgive not another a circular.

