



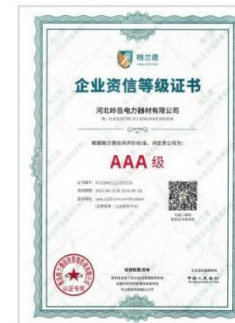
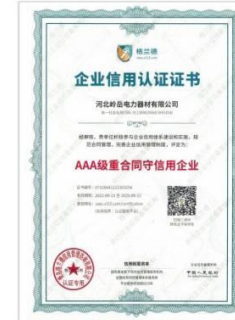
HEBEI LINGYUE ELECTRIC EQUIPMENT CO.,LTD



HEBEI LINGYUE ELECTRIC EQUIPMENT CO., LTD, mainly produce power fittings ,insulators,lightning arresters,drop fuses, isolation switches,vacuum circuit breakers,safety equipment,castings, copper and aluminum products and other transmission and distribution related products ,is a research and development ,manufacturing ,trade ,sales,service as one of the transmission and distribution industry service manufactures.



HEBEI LINGYUE ELECTRIC EQUIPMENT CO.,LTD





导线备份线夹使用说明

产品结构组成

产品型号	适用导线型号	材料表	数量	长度mm	重量KG	套重KG
SN-24030	LG-240/30 , 240/40	分流条S-240/30	1	2320	2. 51	11. 05
		耐张线夹N-100-1600	1	1620	2	
		填充条LBG-100-1500	1	1500	1. 21	
		补强接续条SLS-240/30	1	3090	3. 4	
		拉线环TC-12	1		1. 0	
		U型环 U-10	1		0. 92	

产品安装步骤

1. 先取一组预绞式耐张线夹安装套入心形环。



图2预绞式耐张线夹地面安装

2. 以 预绞式耐张线夹安装标记为其安装位置，将安装色标与填充条末端起50mm 位置基本对齐，开始安装预绞式耐张线夹的一条腿，缠绕至1-2个螺距，然后安装另一条腿，然后2条腿同时安装，将产品缠绕到填充条上（每条腿在最后两个螺距时可把预绞丝拆开单股安装）。

注意：安装好的线夹不能有线条交叉错位现象，保证所有的线条尾端都安装就位。



图3预绞式耐张安装完成示意图

3. 在地面安装预绞式补强接续条的一侧，预绞式补强接续条的安装色标与耐张线夹的断腿对齐，安装时先安装根数多的一组，先缠绕1-2个螺距然后安装第二组和第三组。



图4 地面安装预绞式补强接续条

4. 把剩余的预绞丝缠绕到预绞丝耐张线夹上面，每条腿在最后两个螺距时可把预绞丝拆开单股安装。



图5地面安装好的预较式耐张线爽，填充条，补强接续条效果图

5. 安装预绞式分流条的时候先确定预绞式分流条在导线和跳线安装的位置然后用砂纸对安装表面的氧化层进行打磨，确定打磨干净，然后在导线表面均匀的涂抹上导电膏。6. 按照图纸要求确定跳线安装位置，选择根数多的一片分流条以安装色标为起点，先缠绕1-2个螺距。



图6 在架空线路上安装预绞式分流条

7. 安装好第一片预绞丝后，依次安装第二片和第三片分流条预较丝，安装时安装色标要依次对齐。

8. 然后把剩余的分流条预绞丝缠绕到导线上，在剩余的最后两个螺距时可把预绞丝拆开单股安装。
9. 选择根数较多的一片分流条圆滑过度到导线端
- 1 0. 先将预较丝一片缠绕1-2个螺距然后，依次把剩余2片绞丝安装到导线上，安装方式与安装跳线一端方法一致。



图7在线路上安装致式分流条安装完成图

11. 将地面安装好的预绞式耐张线夹，填充条，补强接续条组件安装到线路上。



图8在线路上安装预绞式耐张线夹。填充条。补强接续条组件

12. 将U 型环和调整板的孔连接起来，如果没有合适的挂点可以将U 型环连接到液压耐张线夹的钢锚上。
13. 将补强接续条的另一侧缠绕到导线上，安装位置在分流条外，根据图纸要求确定导线的安装位置，以补强接续条根数多的一组开始缠绕1-2个螺距然后依次安装剩余2组依次安装到导线上，安装时安装色标要依次对齐。



图9 在线路上安装预绞式附张线夹，填充条，补强接续条组件

14. 继续将剩余补强接续条预绞丝安装到导线上，在剩余的最后两个螺距时可把预绞丝拆开单股安装，使补强接续条的一侧完成缠绕在导线上。



图10 安全备份线夹最终安装完成示意图

安全须知

1. 本操作规程不代替其它任何公司的安装或者安全标准，此规程为操作人员提供安装使用说明。
注意：在产品施工中请安全文明施工以免造成人员伤亡。
2. 本产品为具有特殊用途的装置，不允许重复使用。
3. 本产品仅由经过专业培训的熟练工人操作，任何不熟悉或未经培训的人员均不得进行操作。
4. 在带电线路工作时必须特别注意，以防触电事故。
5. 为保证良好的使用性能和人身安全，使用前须选择规格合适的产品。
6. 未按照安装说明书正常安装的产品，我公司不能保证产品最佳性能。

产品与技术参数Products and technical paeraneters”

ADSS 光缆用耐张线夹

Helical Dead-end clamps for ADSS cable

ADSS光缆用耐张线夹(Helical Dead-end clamps for ADSS cable)

ADSS光缆耐张线夹主要用于ADSS光缆与耐张杆塔、转角杆塔及终端杆塔的连接。根据档距或光缆抗拉强度的大小，ADSS光缆耐张线夹分小跨距耐张线夹、中跨距及大跨距耐张线夹三种。

ADSS optical cable strain clamp is mainly used in the connection of ADSS optical cable with strain tower,corner tower and terminal tower.According to distance or tensile strength,ADSS optical cable strain clamp could be divided into three kinds,small span strain clamp,medium-span and big-span strain clamp.

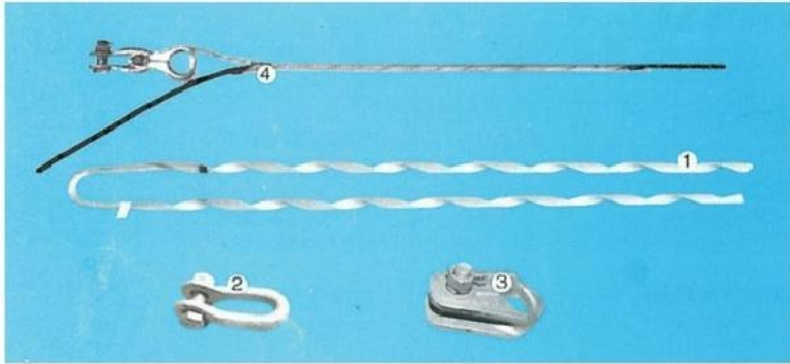
ADSS 光缆用小跨距耐张线夹(Dead-end for Short Span ADSS cable)

产品用途及特点 (Usage and characteristics)

小张力ADSS光缆耐张线夹材料为铝包钢丝或镀锌钢丝，主要用于档距不超过100米的耐张杆塔、转角杆塔、中间接续杆塔及终端杆塔的光缆连接。

ADSS optical cable strain clamp with small tension adopts aluminum clad steel wire or galvanized steel wire,which is mainly used in optical cable connection of strain tower,corner tower,middle connecting tower and terminal tower with distance not over 100m.

适用配件图 (Currency Assembly)



- 1、耐张线夹预绞丝

Dead-end Component
- 2、U型环

U-Clevis
- 3、心形环

Thimble
- 4、ADSS自承式光缆

ADSS Cable

产品型号规格 (Specification)

小跨距耐张线夹选型表(Specification of short span dead-end for ADSS cable)

产品规格Type	适用缆径 Available Dia. of Cable (mm)	预绞丝长度 Length of Dead-end Component (mm)	参考重量 Ref. Weight (kg)	配套连接件 Fitting
ANJ 0950	9.0-9.5	840	0.5	U-7
ANJ 1050	9.6-10.5	840	0.5	U-7
ANJ 1160	10.6-11.6	910	0.5	U-7
ANJ 1280	11.7-12.8	950	0.7	U-7
ANJ 1410	12.9-14.1	1070	0.8	U-7
ANJ 1560	14.2-15.6	1150	1.2	U-7
ANJ 1700	15.7-17.0	1150	1.2	U-7

ADSS光缆用中跨距及大跨距耐张线夹(Dead-end for Medium/Long Span ADSS cable)

产品用途及特点 (Usage and characteristics)

中跨距及大跨距ADSS光缆用预绞式耐张线夹材料为铝包钢丝或镀锌钢丝，主要用于档距200米以上的耐张杆塔、转角杆塔及终端杆塔等光缆线路上。中跨距耐张线夹一般用于200~400米内档距的线路，大跨距耐张用于400米以上档距的线路。

ADSS optical cable helical strain clamp with medium span and big span adopts aluminum clad steel wire or galvanized steel wire,which is mainly used in optical cable line of strain tower,corner tower and terminal tower.In general,the medium span strain clamp is used in the line with internal span of 200-400m;the big span strain clamp is used in the line with span overr 400m

中跨距耐张线夹适用配件图 (Dead-end configuration for medium span ADSS)



- 1、U型环

U-Clevis
- 2、直角挂环

Eye Chain Link(Type ZH)
- 3、心形环

Thimble
- 4、内层预绞丝

Structural Reinforcing Rods
- 5、外层预绞丝

Dead-end Component

大跨距耐张线夹适用配件图(Dead-end configuration for long span ADSS)



- 1、U型环

U-Clevis
- 2、PD挂板

PD-Link
- 3、心形环

Thimble Clevis
- 4、内层预绞丝

Structural Reinforcing Rods
- 5、外层预绞丝

Dead-end Component

产品型号规格 (Specification)

ADSS光缆用中跨距及大跨距耐张线夹选型表(Specification of medium/long span dead-end for ADSS cable)

产品规格Type	适用缆径 Available Dia. of Cable (mm)	外层长度 Length of Outer Rods (mm)	内层长度 Length of Structural Reinforcing Rods (mm)	参考重量 Ref. Weight (kg)	参考档距 Reference Span (m)
ANY 020/1010	9.5-10.1	800	1100	1.0	200-300
ANY 020/1070	10.2-10.7	800	1100	1.1	200-300
ANY 020/1140	10.8-11.4	800	1100	1.1	200-300
ANY 020/1220	11.5-12.2	800	1100	1.4	200-300
ANY 020/1290	12.3-12.9	800	1100	1.4	200-300
ANY 020/1370	13.0-13.7	800	1100	1.5	200-300
ANY 020/1460	13.8-14.6	800	1100	1.6	200-300
ANY 020/1550	14.7-15.5	800	1100	1.6	200-300
ANY 030/0940	8.6-9.4	1100	1400	1.2	300-400
ANY 030/1010	9.5-10.1	1100	1400	1.4	300-400

产品与技术参数Products and eshnical reters

ADSS 光缆用耐张线夹
Helical Dead-end clamps for ADSS cable

产品规格Type	适用缆径 Available Dia. of Cable (mm)	外层长度 Length of Outer Rods (mm)	内层长度 Length of Structural Reinforcing Rods (mm)	参考重量 Ref.Weight (kg)	参考档距 Reference Span (m)
ANY 030/1070	10.2-10.7	1100	1400	1.4	300-400
ANY 030/1140	10.8-11.4	1100	1400	1.4	300-400
ANY 030/1220	11.5-12.2	1100	1400	1.8	300-400
ANY 030/1290	12.3-12.9	1100	1400	1.8	300-400
ANY 030/1370	13.0-13.7	1100	1400	2.0	300-400
ANY 030/1460	13.8-14.6	1100	1400	2.1	300-400
ANY 030/1550	14.7-15.5	1100	1400	2.1	300-400
ANY 040/1220	11.5-12.2	1260	1800	2.1	400-500
ANY 040/1290	12.3-12.9	1260	1800	2.2	400-500
ANY 040/1370	13.0-13.7	1260	1800	2.5	400-500
ANY 040/1460	13.8-14.6	1260	1800	2.5	400-500
ANY 040/1550	14.7-15.5	1260	1800	2.6	400-500
ANY 040/1650	15.6-16.5	1260	1800	2.9	400-500
ANY 050/1370	13.0-13.7	1400	2000	2.7	500-700
ANY 050/1460	13.8-14.6	1400	2000	2.8	500-700
ANY 050/1550	14.7-15.5	1400	2000	2.8	500-700
ANY 050/1650	15.6-16.5	1400	2000	3.2	500-700
ANY 060/1370	13.0-13.7	1560	2200	3.0	600-800
ANY 060/1460	13.8-14.6	1560	2200	3.1	600-800
ANY 060/1550	14.7-15.5	1560	2200	3.1	600-800
ANY 060/1650	15.6-16.5	1560	2200	3.6	600-800
ANY 070/1460	13.8-14.6	1600	2400	3.2	700-900
ANY 070/1550	14.7-15.5	1600	2400	3.3	700-900
ANY 070/1650	15.6-16.5	1600	2400	3.8	700-900
ANY 070/1750	16.6-17.5	1600	2400	4.1	700-900
ANY 070/1870	17.6-18.7	1600	2400	4.6	700-900
ANY 080/1550	14.7-15.5	2000	3000	4.1	800-1000
ANY 080/1650	15.6-16.5	2000	3000	4.7	800-1000
ANY 080/1750	16.6-17.5	2000	3000	5.2	800-1000
ANY 080/1870	17.6-18.7	2000	3000	5.8	800-1000
ANY 100/1650	15.6-16.5	2800	4000	7.0	1000
ANY 100/1750	16.6-17.5	2800	4000	7.2	1000
ANY 100/1870	17.6-18.7	2800	4000	7.9	1000

※为保证线路安全，在线路设计和使用过程中，当跨距在1000米以上，或光缆线路荷载较大的情况下，请与本公司联系，我们将根据线路具体情况提供特殊设计或咨询服。
※In order to ensure the the line safety,in the process of line design and use,please contact our compan if the span is over 1000m,or the load of optical cable is bigger,we will provide special design or consultant service according to the specific conditions of line.

ADSS 光 缆 悬 垂 线 夹Helical Suspension Set for ADSS

ADSS光缆悬垂线夹用于光缆在直线杆塔上的悬挂和支撑. 线夹用于传递轴向载荷，并分散径向压应力，对光缆起到良好的保护作用，避免光缆产生过小的弯曲半径和应力集中的异常情况发生。线夹握力大于光缆额定抗拉强度的18%，具有优异的抗疲劳性，并对ADSS光缆起到辅助减振的作用。

ADSS optical cable suspension clamp is used for hanging and supporting optical cable on the suspension tower.The clamp will transmit axial load and disperse radial stress press and make good protection foroptical cable and avoid the abnormal status, such as the optical cable produce too small bend radius and stress concentration.The grip of clamp is larger than 18% of rated tensile strength of optical cable.It has excellent fatigue resistance and auxiliary damping effect for ADSS optical cable.

ADSS光缆用悬垂线夹根据线路跨距大小分切线线夹、单层预绞丝切线线夹、单悬垂线夹和双悬垂线夹等几种。
ADSS optical cable suspension clamp is divided into tangent clamp,single-layer helical armor rods tangent clamp,single suspension clamp and double suspension clamp etc according to size of line span.

ADSS光缆用切线线夹和单层预绞丝切线线夹
(Tanget and Single layer Helical Rods Suspension set for ADSS)

产品用途及特点 (Usage and characteristics)
ADSS光缆用切线线夹主要用于100m档距内的光缆架设，单层预绞丝悬垂线夹主要用于100m-200m档距内的光缆架设。
ADSS optical cable tangent clamp is mainly used in optical cable erecting within distance of 100m.Single helical armor suspension clamp is mainly used in optical cable within distance of 100m-200m.

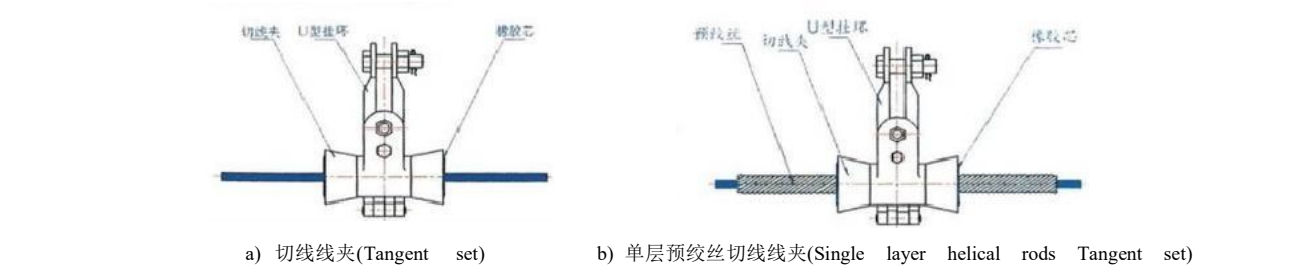
切线线夹通用配件图 (Currency fittings of Tangent set)



单层预绞丝切线线夹通用配件图(Currency fittings of single layer helical rods Tangent set)



产品组装示意图 (Sketch of Assembly)



产品与技术参数Products and technical parameters”

ADSS 光缆悬垂线夹
Helical Suspension Set for ADSS

产品型号规格 (Specification)

切线线夹选型表(Specification of tangent set for ADSS cable)

产品规格Type	规格Type	适用缆径 Available Dia. of Cable (mm)	适用档距 Avaliable Dia of Span (m)
ADSS切线线夹 Tangent Clamp for ADSS	AXQ 1110	9.0-11.1	100
	AXQ 1330	11.2-13.3	100
	AXQ 1550	13.4-15.5	100
ADSS单层 预绞丝切线线夹 Monolayer Helical rods Suspension Set for ADSS	AXD 1010	9.7-10.1	200
	AXD 1060	10.2-10.6	200
	AXD 1110	10.7-11.1	200
	AXD 1160	11.2-11.6	200
	AXD 1170	11.7-11.7	200
	AXD 1200	11.8-12.0	200
	AXD 1270	12.1-12.7	200
	AXD 1290	12.8-12.9	200
	AXD 1360	13.0-13.6	200
	AXD 1410	13.7-14.1	200
	AXD 1430	14.2-14.3	200
	AXD 1450	14.4-14.5	200
	AXD 1510	14.6-15.1	200

ADSS 光缆用悬垂线夹(Suspension Set for ADSS cable)

产品用途及特点(Usage and characteristics)

ADSS 光缆用悬垂线夹有单层预绞丝和双层预绞丝两种设计，可根据实际需要选择不同的安装方式。单层预绞丝悬垂线夹用于200m-400m内档距的悬挂，双层预绞丝悬垂线夹一般用于大档距(1000m内)之间的悬挂，ADSS光缆悬垂线夹主要由铝合金预绞丝、悬挂头及连接件组成。

ADSS optical cable use suspension clamp has two kinds of design,single-layer helical armor rods and double-layer helical amor rods.Different installation methods could by selected according to actual requi rement.Single-layer helical armor rods suspension clamp is used in hanging within distance of 200m-400m,double-layer helical armor rods suspension clamp is generally used in hanging with big distance(within 1000m).ADSS optical cable suspension clamp consist of aluminum alloy helical armor rods,suspension head and connecting piece.

单层预绞丝悬垂线夹通用配件图 (Currency fittings of single layer suspension set)



- 1、U型卡

2、悬垂夹

3、橡胶垫

4、U型挂板和螺栓

5、预绞丝
- U-clip

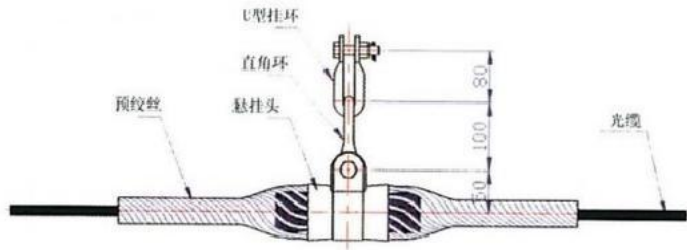
Suspension Clamp

Rubber pillow

U-Clevis&bolt

Helical Rods

产品组装示意图 (Sketch of Assembly)



单层预绞丝悬垂线夹(Single laye suspension Set)

单层预绞丝悬垂线夹产品型号规格(Specification of Single layer Helical Rods Suspension Set)

ADSS光缆用单层预绞丝悬垂夹选型表(Specification of single layer suspension set for ADSS cable)

产品规格Type	适用缆径 Available Dia. of Cable (mm)	预绞丝长度 Length of Dead-end Component (mm)	参考重量 Ref.Weight (kg)	适用档距 Avaliable Dia of Span (m)
AXYD 0960300	9.0-9.6	1040	0.4	200-300
AXYD 1010300	9.7-10.1	1040	0.4	200-300
AXYD 1060300	10.2-10.6	1040	0.4	200-300
AXYD 1110300	10.7-11.1	1040	0.5	200-300
AXYD 1160300	11.2-11.6	1060	0.5	200-300
AXYD 1200300	11.7-12.0	1080	1.0	200-300
AXYD 1270300	12.1-12.7	1120	1.0	200-300
AXYD 1290300	12.8-12.9	1150	1.1	200-300
AXYD 1360300	13.0-13.6	1180	1.2	200-300
AXYD 1410300	13.7-14.1	1200	1.2	200-300
AXYD 1430300	14.2-14.3	1220	1.3	200-300
AXYD 1450300	14.4-14.5	1250	1.3	200-300
AXYD 1510300	14.6-15.1	1280	1.4	200-300
AXYD 1200400	11.7-12.0	1200	1.1	300-400
AXYD 1270400	12.1-12.7	1250	1.2	300-400
AXYD 1290400	12.8-12.9	1280	1.2	300-400
AXYD 1360400	13.0-13.6	1300	1.3	300-400
AXYD 1410400	13.7-14.1	1350	1.3	300-400
AXYD 1430400	14.2-14.3	1370	1.4	300-400
AXYD 1450400	14.4-14.5	1380	1.5	300-400
AXYD 1510400	14.6-15.1	1410	1.5	300-400

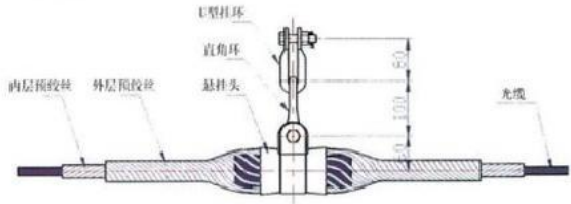
产品与技术参数Products and technical araneters

ADSS 光缆悬垂线夹
Helical Suspension Set for ADSS

ADSS光缆双层预绞丝悬垂线夹通用配件图(Currency fittings of two layers helical Suspension Set)



产品组装示意图 (Sketch of Assembly)



双层预绞丝悬垂线夹(Two layers Single point Helical Suspension Set)

ADSS光缆预绞丝悬垂线夹产品型号规格 (Specification for two layers helical Suspension Set)

ADSS光缆用悬垂夹选型表 (Specification for two layers helical Suspension Set)

产品规格Type	适用缆径 Available Dia. of Cable (mm)	外层长度 Length of Outer Rods (mm)	内层长度 Length of Structural Reinforcing Rods (m)	参考重量 Ref. Weight (kg)	色标 Color code	适用档距 Avaliable Dia of Span (m)
AXY 0960300	9.0-9.6	1040	1600	1.2	蓝BU	200-300
AXY 1010300	9.7-10.1	1040	1600	1.2	绿GR	200-300
AXY 1060300	10.2-10.6	1040	1600	1.2	橙BR	200-300
AXY 1110300	10.7-11.1	1040	1600	1.2	红RE	200-300
AXY 1160300	11.2-11.6	1060	1600	1.3	黑BK	200-300
AXY 1170300	11.7-11.7	1080	1540	1.7	黄YE	200-300
AXY 1200300	11.8-12.0	1160	1680	1.9	紫PU	200-300
AXY 1270300	12.1-12.7	1160	1680	1.9	蓝BU	200-300
AXY 1290300	12.8-12.9	1160	1680	2.0	绿GR	200-300
AXY 1360300	13.0-13.6	1250	1800	2.2	橙BR	200-300
AXY 1410300	13.7-14.1	1250	1800	2.2	红RE	200-300
AXY 1430300	14.2-14.3	1250	1800	2.2	黑BK	200-300
AXY 1450300	14.4-14.5	1250	1800	2.3	黄YE	200-300
AXY 1510300	14.6-15.1	1250	1800	2.4	紫PU	200-300
AXY 0960400	9.0-9.6	1070	1720	1.2	蓝BU	300-400
AXY 1010400	9.7-10.1	1070	1720	1.2	绿GR	300-400
AXY 1060400	10.2-10.6	1070	1720	1.3	橙BR	300-400
AXY 1110400	10.7-11.1	1070	1720	1.3	红RE	300-400
AXY 1160400	11.2-11.6	1090	1720	1.4	黑BK	300-400
AXY 1170400	11.7-11.7	1100	1600	1.8	黄YE	300-400

产品规格Type	适用缆径 Available Dia. of Cable (mm)	外层长度 Length of Outer Rods (mm)	内层长度 Length of Structural Reinforcing Rods (mm)	参考重量 Ref. Weight (kg)	色标 Color code	适用档距 Avaliable Dia of Span (m)
AXY 1200400	11.8-12.0	1200	1720	1.9	紫PU	300-400
AXY 1270400	12.1-12.7	1200	1720	1.9	蓝BU	300-400
AXY 1290400	12.8-12.9	1200	1720	2.1	绿GR	300-400
AXY 1360400	13.0-13.6	1300	1840	2.3	橙BR	300-400
AXY 1410400	13.7-14.1	1300	1840	2.3	红RE	300-400
AXY 1430400	14.2-14.3	1300	1840	2.5	黑BK	300-400
AXY 1450400	14.4-14.5	1300	1840	2.5	黄YE	300-400
AXY 1510400	14.6-15.1	1300	1840	2.5	紫PU	300-400
AXY 1270500	12.1-12.7	1260	1760	2.0	蓝BU	400-500
AXY 1290500	12.8-12.9	1260	1760	2.2	绿GR	400-500
AXY 1360.500	13.0-13.6	1300	1860	2.3	橙BR	400-500
AXY 1410500	13.7-14.1	1300	1860	2.3	红RE	400-500
AXY 1430500	14.2-14.3	1300	1860	2.3	黑BK	400-500
AXY 1450500	14.4-14.5	1360	1940	2.5	黄YE	400-500
AXY 1510500	14.6-15.1	1360	1940	2.6	紫PU	400-500
AXY 1580500	15.2-15.8	1360	1940	2.6	蓝BU	400-500
AXY 1600500	15.9-16.0	1420	2040	2.9	绿GR	400-500
AXY 1690500	16.1-16.9	1420	2040	2.9	橙BR	400-500
AXY 1270600	12.1-12.7	1300	1800	2.0	蓝BU	500-600
AXY 1290600	12.8-12.9	1300	1800	2.2	绿GR	500-600
AXY 1360600	13.0-13.6	1360	1920	2.3	橙BR	500-600
AXY 1410600	13.7-14.1	1360	1920	2.4	红RE	500-600
AXY 1430600	14.2-14.3	1360	1920	2.6	黑BK	500-600
AXY 1450600	14.4-14.5	1400	2000	2.6	黄YE	500-600
AXY 1510600	14.6-15.1	1400	2000	2.6	紫PU	500-600
AXY 1580600	15.2-15.8	1400	2000	2.6	蓝BU	500-600
AXY 1600600	15.9-16.0	1520	2120	2.9	绿GR	500-600
AXY 1690600	16.1-16.9	1520	2120	2.9	橙BR	500-600
AXY 1430800	14.2-14.3	1460	2060	2.7	黑BK	700-800
AXY 1450800	14.4-14.5	1460	2120	2.8	黄YE	700-800
AXY 1510800	14.6-15.1	1460	2120	2.8	紫PU	700-800
AXY 1580800	15.2-15.8	1460	2120	2.8	蓝BU	700-800
AXY 1600800	15.9-16.0	1580	2210	3.0	绿GR	700-800
AXY 1690800	16.1-16.9	1580	2200	3.0	橙BR	700-800
AXY 1730800	17.0-17.3	1580	2200	3.3	红RE	700-800
AXY 1800800	17.4-18.0	1580	2200	3.3	黑BK	700-800
AXY 15801000	15.2-15.8	1560	2340	3.0	蓝BU	900-1000
AXY 16001000	15.9-16.0	1680	2590	3.4	绿GR	900-1000
AXY 16901000	16.1-16.9	1680	2590	3.4	橙BR	900-1000
AXY 17301000	17.0-17.3	1680	2590	3.6	红RE	900-1000
AXY 18001000	17.4-18.0	1680	2590	3.6	黑BK	900-1000
AXY 18801000	18.1-18.8	1680	2590	4.7	黄YE	900-1000

产品与技术参数Products and tehcnical peraneters

ADSS 光缆悬垂线夹
Helical Suspension Set for ADSS

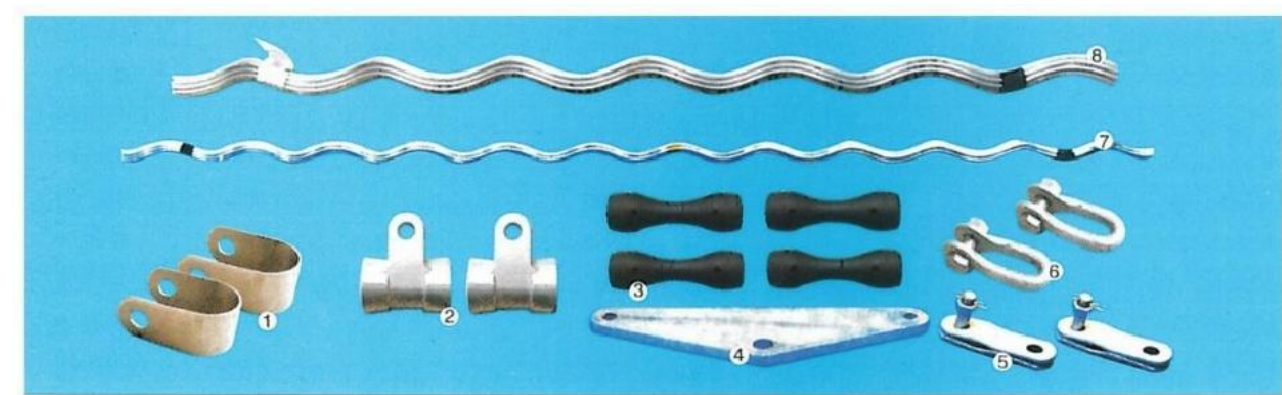
ADSS光缆用双悬垂线夹(Double points Suspension Set for ADSS cable)

产品用途及特点 (Usage and characteristics)

ADSS光缆双悬垂线夹主要用于光缆在高落差，以及档距大于800米或线路角度小于30°时的直线塔的悬挂和支撑。

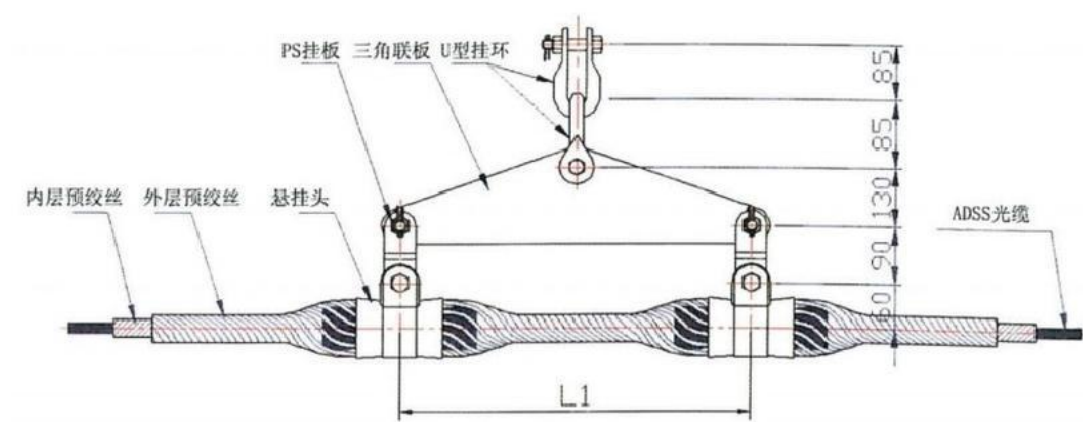
Double Points Suspention Set for ADSS is mainly used for large height difference,span more than 800 meters or unilateral overhang angle is less than 30°line tower connection .

通用配件图(Currency fittings)



- | | | | |
|--------|--------------------|---------|-----------------------------|
| 1、U型环 | U-clip | 5、PS挂板 | PS-link |
| 2、悬挂头 | Clamp | 6、U型挂板 | U-clevis |
| 3、橡胶垫 | Rubber pillow | 7、外层预绞丝 | Outer rods |
| 4、三角联板 | Yoke Plate Shackle | 8、内层预绞丝 | Structural Reinforcing Rods |

产品组装示意图 (Sketch of assembly for two layers Double-points suspension set)



预绞丝双悬垂线夹
(Assembly for two layers Double-points suspension set)

产品型号规格 (Specification)

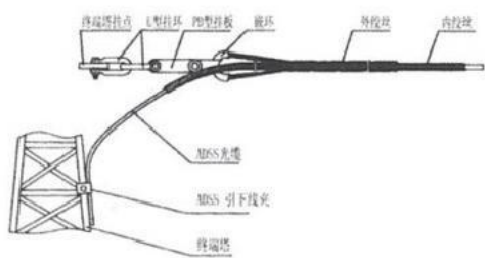
ADSS光缆用双悬垂线夹选型表 (Specification of Double-points suspension set for ADSS cable)

产品规格Type	适用缆径 Available Dia. of Cable (mm)	外层长度 Length of Outer Rods (mm)	内层长度 Length of Structural Reinforcing Rods (m)	色标 Color code	参考重量 Ref. Weight (kg)
AXS 0960	9.0-9.6	1810	1800	2200	1.9
AXS 1010	9.7-10.1	1810			1.9
AXS 1060	10.2-10.6	1810			1.9
AXS 1110	10.7-11.1	1810			1.9
AXS 1160	11.2-11.6	1810			2.0
AXS 1170	11.7-11.7	1810			2.7
AXS 1200	11.8-12.0	1910	1900	2400	2.9
AXS 1270	12.1-12.7	1910			2.9
AXS 1290	12.8-12.9	1910			3.2
AXS 1360	13.0-13.6	1910			3.2
AXS 1410	13.7-14.1	2110	2100	2700	3.5
AXS 1430	14.2-14.3	2110			3.8
AXS 1450	14.4-14.5	2110			3.8
AXS 1510	14.6-15.1	2110			3.8
AXS 1580	15.2-15.8	2110			3.8
AXS 1600	15.9-16.0	2110			3.9
AXS 1690	16.1-16.9	2410	2400	3000	4.4
AXS 1730	17.0-17.3	2410			4.8
AXS 1800	17.4-18.0	2410			4.8
AXS 1880	18.1-18.8	2410			6.3

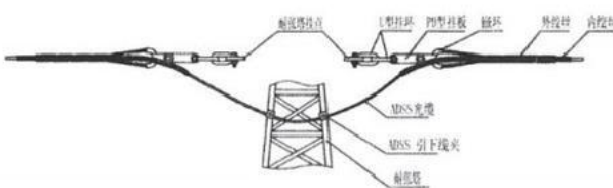
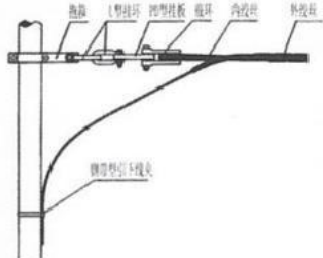


产品与技术参数Products and technical parameters

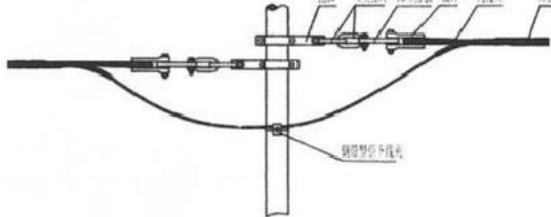
ADSS 光缆耐张线夹安装示意图
ADSS optical cable strain clamp installation diagram



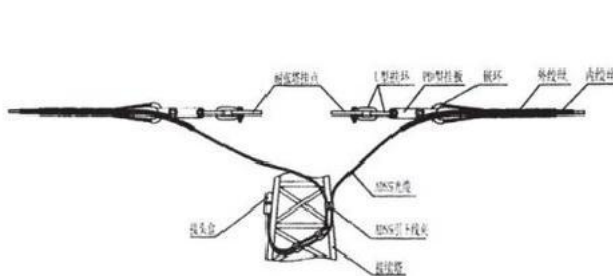
ADSS光缆耐张线夹在终端杆塔上的安装示意图
ADSS optical cable strain clamp on the terminal tower installation diagram



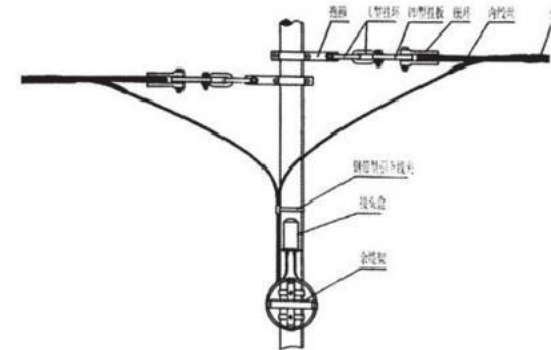
ADSS光缆耐张线夹在耐张塔上的安装示意图
ADSS optical cable strain clamp on the strain tower installation diagram



ADSS光缆耐张线夹在耐张杆上的安装示意图
ADSS optical cable strain clamp on the strain pole installation diagram



ADSS光缆 耐张线夹在接续塔上的安装示意图
ADSS optical cable strain clamp on the connection tower installation diagram



ADSS光 缆耐 张 线 夹 在 接 续 杆 上 的 安 装 示 意 图
ADSS optical cable strain clamp on the connection pole installation diagram

OPGW光缆耐张线夹 Helical Dead-end for OPGW

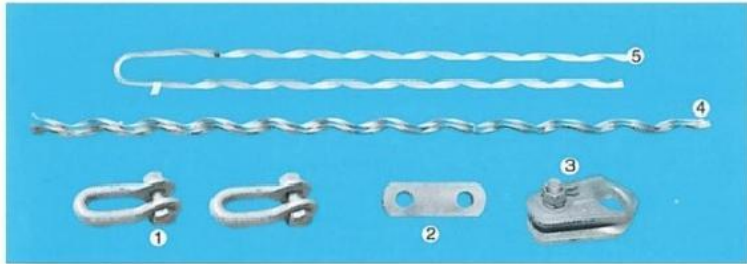
预绞式耐张线夹主要用于光缆在耐张杆塔、转角杆塔及终端杆塔的连接。线夹材料为铝包钢丝或镀锌钢丝，耐腐蚀性好；线材具有良好的机械和电气性能，以保证线夹具有较强的抗电化学腐蚀的 能力和抗疲劳性；线夹握力不小于光缆额定抗拉强度的95%。预绞式耐张线夹具有安装简单、方便、快捷，无需任何专用工具， 一人即可完成操作，可大大缩短施工时间，提高施工效率，降低施工成本，线夹的安装质量容易得到保证，现场用肉眼即可进行检验， 不 需 专 门训练。整套预绞式耐张线夹包括：外层预绞丝、内层预绞丝、 配 套连接件、接地线等。 Helical strain clamp is mainly used in the connection of optical cable with strain town,corner tower and terminal tower.The material of clamp is aluminum clad steel wire or galvanized steel wire with good corrosion resistance;the wire has good mechanical and electrical properties for ensuring the clamp has stronger electrochemical orrosion resistance and anti-fatigue. The clamp grip is not smaller than 95%of rated tensile strength of optical cable.Helical strain clamp has characteristics of easy installation,simple and rapid, no special tool required,only one person could finish the operation;It could shorten the construction time greatly,improve the operating efficiency and reduce the operation cost.It is very simple to ensure the installation quality of clamp,inspect with naked eyes on the spot and special training not required.The whole complete set of helical strain clamp includes:external-layer helical armor rods,internal-layer helical armor rods,assorted connector and ground wire etc.

OPGW光缆耐张线夹 (Single Helical Dead-end for OPGW)

产品用途及特点(Usage and characteristics)

OPGW光缆用耐张线夹主要用于破断强度在160KN及以下的光缆与耐张杆塔，转角杆塔及终端杆塔的连接。整套OPGW光缆耐张线夹包括外层预绞丝， 肉层预绞丝及配套连接件和接地线。 OPGW optical cable strain clamp is mainly used in the connection between optional cable with breaking strength below 160KN with strain tower corertower and termial tower The whole complete set ofOPGW optical cable strain clamp includes:external-layer helical armor rods internal-layer helinal armor rods assorted connector and ground wire etc .

通用配件图 (currency fittings)



- 1、U型环

2、PD挂板

3、心形环

4、内层预绞丝

5、外层预绞丝

6、接地线夹
- U-Clevis

PD-Clevis

Thinmble Clevis

Structural Reinforcing Rods

Dead-end Component

Grounding Clamps

产品型规格 (specification)

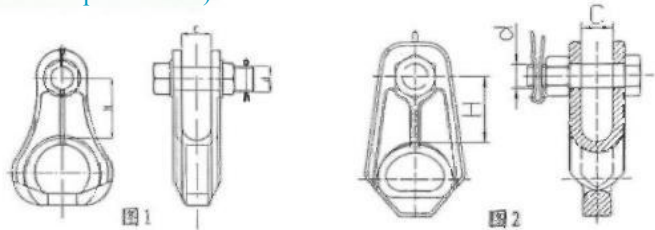
OPGW耐张线夹选型表 (Specification of dead-end for OPGW)

产品规格Type	适用缆径 Available Dia.of cable		绞丝长度 Length of helical wire		参考重量 Ref. Weight (kg)	破断强度 Devastating strength (kN)
	最小Min (mm)	最大Max (mm)	内层Inner (mm)	外层Outer (mm)		
ONY 0880	7.9	8.8	1400	1000	1.2	70
ONY 1010	8.9	10.1	1400	1000	1.3	70
ONY 1140	10.2	11.4	1540	1120	1.7	90
ONY 1280	11.5	12.8	1620	1200	2.4	110
ONY 1410	12.9	14.1	1660	1240	2.6	110
ONY 1500	14.2	15.5	1840	1360	2.9	110
ONY 1730	15.6	17.3	2000	1480	3.6	110
ONY 1920	17.4	19.2	2400	1800	4.7	120
ONY 2110	19.3	21.1	2600	2000	5.2	120

产品与技术参数Products and tehcnical araneters》

OPGW 光缆耐张线夹
Heli Dead-end for OPGW

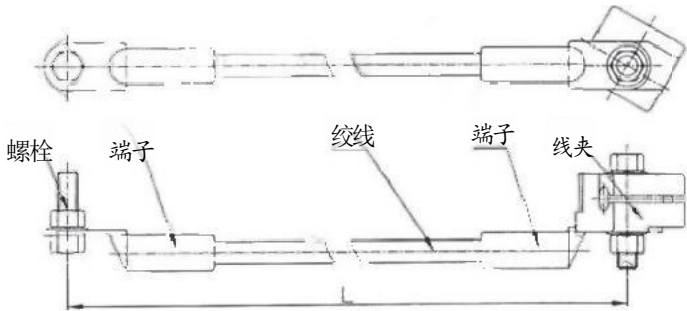
心型环规格 (Thimble chevis Specification)



心形环型号及规格 (specification of Thimble Clevis)

型号 Type	图例 Drawing No.	主要尺寸 Main dimensions (mm)			破坏载荷 Devastating Load (KN)	重量 Weight (kg)
		H	c	d		
TC 50	1	51	18	M16	50	0.50
TC 70	2	40	23	M16	70	0.90
TC 120	2	50	24	M16	120	1.30
TC 160	2	62	28	M18	160	1.70

接地线夹(Grounding Wire Clamps)



接地线夹的型号、规格 (Specification of grounding wire clamps)

型号 Type	绞线直径(截面积) Wire diameter/Sectional area (mm/mm²)	适用线径 Apply to OPGW Dia. (mm)	配置Configuration		重量 Weight (kg)
			接地线长度 Grounding wire Clamps Length (mm)	线夹型号 Set Type	
0JD70/1500 0JD70/2000	11.40/79.39	7.8-11.6	1500 2000	D-116	0.95 1.09
0JD95/1500 0JD95/2000	13.61/109.72	11.7-15.0	1500 2000	D-150	1.11 1.30
0JD150/1500 0JD150/2000	16.00/152.80	15.1-18.0	1500 2000	D-180	1.56 1.82

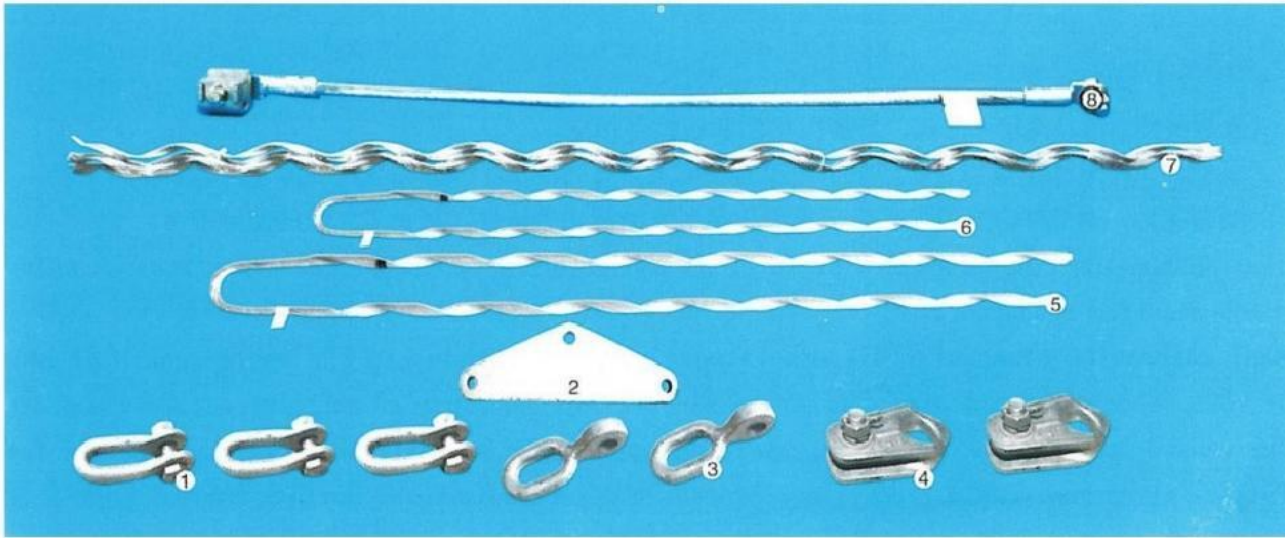
OPGW光缆双耐张线夹 (Double Helical Dead-end for OPGW)

产品用途及特点(Usage and characteristics)

当OPGW光缆应用在大跨距、高落差、大转角等特殊设计运行线路中时，可采用双耐张线夹。预绞式双耐张线夹采用内层、中层和外层三层预绞丝设计。该结构极大提高了线夹的抗拉强度，且不受线路转角等条件限制。整套线夹包括预绞丝、接地线和配套连接件等。

When OPGW optical cable applied in the special designed power line with big distance,high fall and large angle double strain clamps could be used Helical double strain clamp adopts internal-layer medium layer and external layer helical armor rod design This structure improved tensile strength greatly and no limitation from line corner.The whole complete set of clamp includes helical armor rods ground wire and assorted connector etc.

通用配件图(Currency fittings)



- 1、U形挂板 U-Clevis

2、三角联板 Yoke Plate shackle

3、直角挂环 EyeChain Link(Type ZH)

4、心形环 Thimble Clevis
- 5、中层预绞丝 Middle Rods

6、外层预绞丝 Dead-end Component

7、内层预绞丝 Structural Reinforcing Rods

8、接地线夹 Grounding Wire Clamps

产品型号规格 (Specification)

双耐张线夹选型表 (Specification of double layers dead-end for OPGW)

产品规格Type	内层长度 Length of Structural Reinforcing Rods (mm)	中层长度 Length of Middle Rods (mm)	外层长度 Length of Outer Rods (mm)	参考重量 Ref. Weight (kg)	破断强度 Devastating strength (kN)
ONS160/****	2400	1800	1600	14.5	160
ONS210/****	2800	2200	2000	20.3	210
ONS250/****	3100	2400	2200	26.5	250
ONS320/****	3200	2600	2400	33.1	320

(***) 代表适用缆径范围 (****: Cable diameter application)

产品与技术参数Products and tecdnical peraneters”

OPGW 光缆用悬垂线夹
Suspension Set for OPGW

OPGW 光缆用悬垂线夹(Suspension Set for OPGW)

预绞式悬垂线夹用于光缆在直线杆塔上的悬挂和支撑。线夹用于传递轴向载荷，并分散径向压应力，对光缆起到良好的保护作用，避免光缆产生过小的弯曲半径和应力集中的异常情况发生。线夹握力大于光缆额定抗拉强度的18%, 具有优异的抗疲劳性，对电力光缆还可起到辅助减振的作用。

Helical suspension clamp is used for hanging and supporting optical cable on the suspension tower.The clamp will transmit axial load and disperse radial stress press and make good protection For optical cable and avoid the abnormal status,such as the optical cable produce too small bend radius and stress concentration.The grip of clamp is larger than 18%of rated tensile strength of optical cable.It has excellent fatigue resistance and auxiliary damping effect for power optical cable.

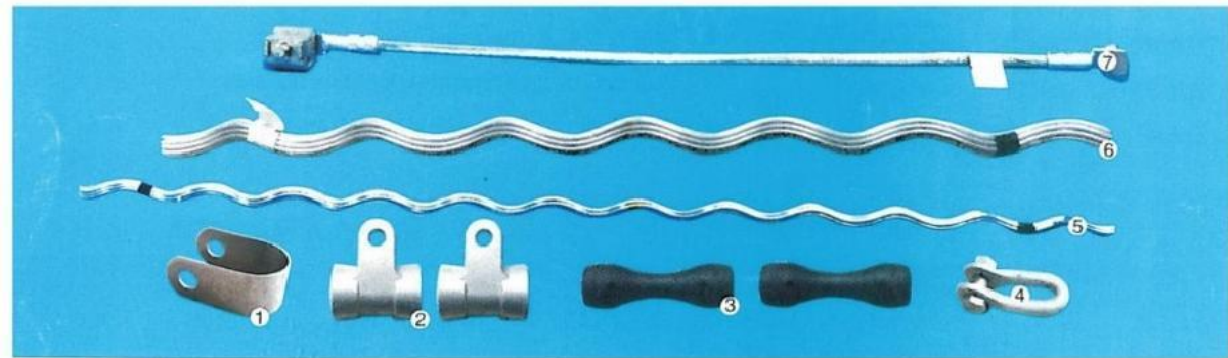
OPGW光缆用悬垂线夹(Suspension Set for OPGW)
产品用途及特点(Usage and characteristics)

预绞式悬垂线夹由内外两层预绞丝、悬挂头和配套连接件组成。

预绞式悬垂线夹将悬挂点应力分散到整个预绞丝长度上，有效减小了OPGW光缆所受静态压力和微风振动引起的动态应力，避免OPGW光缆受损伤，大大提高了光缆抗疲劳特性，延长了光缆的使用寿命。

Helical suspension clamp consists of internal and external layer helical armor rods,hanging head and assorted conectors . Helical suspension clamp will disperse stress of hanging point to the whole length of helical armor rods which decrease static pressure received by OPGW optical cable effectively and dynamic stress caused from aeolian vibration,avoid damage of OPGW optical cable.It improves the fatigue resistance of optical cable greatly and prolong the service life of optical cable.

通用配件图(Curency fittings)



- 1、U型卡 U-clip
- 2、悬挂头 Housing
- 3、橡胶垫 Rubber insert
- 4、U型环 U-Clevis
- 5、内层预绞丝Structural Reinforcing Rods
- 6、外层预绞丝Outer rod
- 7、接地线夹Grounding wire Clamps

产品型号及规格(Specification)

单悬垂线夹选型表 (Specification of single suspension set)

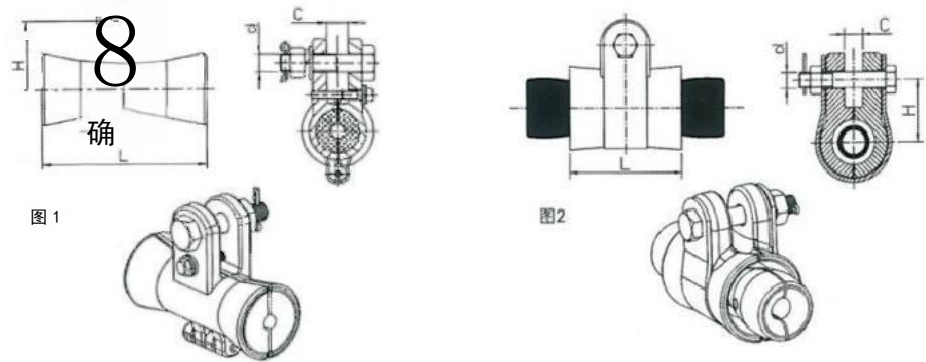
产品规格Type	适用缆径 Available Dia.of Cable (mm)	内层长度 Length of Structural Reinforcing Rods (mm)	外层长度 Length of Outer Rods (mm)	参考重量 Ref.Weight (kg)	色标 Color code
OXY 0880	8.1-8.8	1640	1040	1.2	绿GR
OXY 0960	8.9-9.6	1640	1040	1.2	橙BR
OXY 1010	9.7-10.1	1670	1070	1.2	红RE
OXY 1060	10.2-10.6	1670	1070	1.3	黑BK
OXY 1110	10.7-11.1	1700	1080	1.3	黄YE
OXY 1160	11.2-11.6	1730	1100	1.4	紫PU
OXY 1170	11.7-11.7	1840	1240	1.9	蓝BU
OXY 1200	11.8-12.0	1840	1240	1.9	绿GR
OXY 1270	12.1-12.7	1860	1240	1.9	橙BR
OXY 1290	12.8-12.9	1960	1240	2.1	红RE
OXY 1360	13.0-13.6	1960	1320	2.2	黑BK
OXY 1410	13.7-14.1	2000	1320	2.2	黄YE
OXY 1430	14.2-14.3	2000	1320	2.2	紫PU
OXY 1450	14.4-14.5	2120	1440	2.6	蓝BU
OXY 1510	14.6-15.1	2120	1440	2.6	绿GR
OXY 1580	15.2-15.8	2180	1440	2.7	橙BR
OXY 1600	15.9-16.0	2400	1620	3.1	红BE
OXY 1690	16.1-16.9	2400	1620	3.1	黑BK
OXY 1730	17.0-17.3	2400	1620	3.2	黄YE
OXY 1800	17.4-18.0	2400	1620	3.3	紫PU
OXY 1840	18.1-18.4	2400	1620	3.3	蓝BU
OXY 1880	18.5-18.8	2400	1620	4.7	绿GR
OXY 1890	18.9-18.9	2400	1620	4.7	橙BR
OXY 1990	19.0-19.9	2400	1620	5.1	红RE

产品与技术参数Products and tehical peraeters

OPGW 光缆用悬垂线夹
Suspension Set for OPGW

悬垂型号 (Suspension Clamp Type)

悬垂头装配图 (Assembly drawing of Suspension Clamp)



悬挂头型号、规格(Specification of Suspension Clamp)

型号 Type	图例 Drawing NO.	主要尺寸 Main dimensions(mm)				重量 Weight (kg)	垂直破断强度 Vertical Devastating load(KN)
		D	L	H	C		
XGT-40	1	M16	150	62	20	1.17	40
HOU-95	2	M16	95	55	19	1.28	70
HOU-114	2	M16	114	60	22	1.70	100
HOU-125	2	M16	125	64	22	1.97	120
HOU-135	2	M18	135	68	30	2.60	130

OPGW光缆用双悬垂线夹(Double point Suspension Set for OPGW)

产品用途及特点(Usage and characteristics)

双悬垂线夹采用双悬挂头设计方案，包括内外层预绞丝、两套悬挂头、接地线夹和配套连接件等。

双悬垂线夹主要用于光缆在高落差，大档距或线路角度大于30°时的直线杆塔上的悬挂和支撑。
Double suspension clamp adopts double hanging heads design plan,including internal and external layer helical armor rods,two sets of hanging heads,ground clamp and assorted connectors etc.
Double suspension clamp is mainly used in hanging and supporting the optical cable on suspension tower with high fall, big distance or line angle bigger than 30°.

通用配件图(Curency fittings)



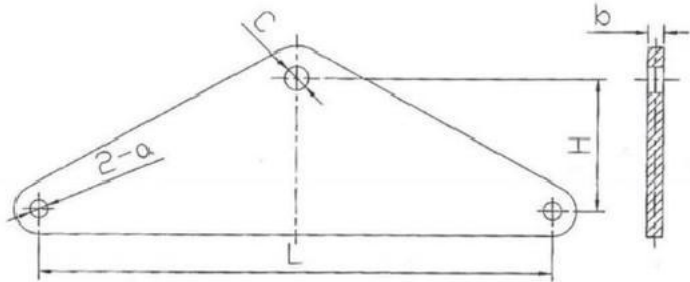
- 1、U型卡 U-Clip
- 2、悬挂头Housing
- 3、联板 Yoke
- 4、橡胶夹 Rubber insert
- 5、PS挂板 PS-link
- 6、U型环 U-Clevis
- 7、内层预绞丝 Structural Reinforcing Rods
- 8、外层预绞丝 outer rods
- 9、接地线夹 Grouding wire Clamps

产品型号及规格(Specification)

双悬垂线夹选型表 (Specificationb of double suspension set OPGW)

产品规格Type	适用缆径 Available Dia. of Cable (mm)	内层长度 Length of Structural Reinforcing Rods (mm)	外层长度 Length of Outer Rods (mm)	参考重量 Ref. Weight (kg)	色标 Color code
OXS 0880	8.1-8.8	2100	1600	1.6	绿GR
OXS 0960	8.9-9.6	2200	1600	1.7	橙BR
OXS 1010	9.7-10.1	2200	1600	1.7	红RE
OXS 1060	10.2-10.6	2200	1600	1.8	黑BK
oXS 1110	10.7-11.1	2200	1600	1.8	黄YE
OXS 1160	11.2-11.6	2200	1600	1.9	紫PU
OXS 1170	11.7-11.7	2310	1700	2.5	蓝BU
OXS 1200	11.8-12.0	2300	1700	2.5	绿GR
OXS 1270	12.1-12.7	2300	1700	2.5	橙BR
oXS 1290	12.8-12.9	2400	1700	2.8	红RE
oXS 1360	13.0-13.6	2400	1800	2.9	黑BK
OXS 1410	13.7-14.1	2400	1800	2.9	黄YE
OXS 1430	14.2-14.3	2400	1800	2.9	紫PU
OXS 1450	14.4-14.5	2600	2000	3.5	蓝BU
OXS 1510	14.6-15.1	2600	2000	3.5	绿GR
OXS 1580	15.2-15.8	2600	2000	3.5	橙BR
OXS 1600	15.9-16.0	3100	2400	4.3	红BE
OXS 1690	16.1-16.9	3100	2400	4.3	黑BK
oxs 1730	17.0-17.3	3100	2400	4.5	黄YE
oXS 1800	17.4-18.0	3100	2400	4.6	紫PU
OXS 1840	18.1-18.4	3100	2400	4.6	蓝BU
OXS 1880	18.5-18.8	3100	2400	6.3	绿GR
OXS 1890	18.9-18.9	3100	2400	6.3	橙BR
OXS 1990	19.0-19.9	3100	2400	6.5	红RE

联板 Yoke Plate

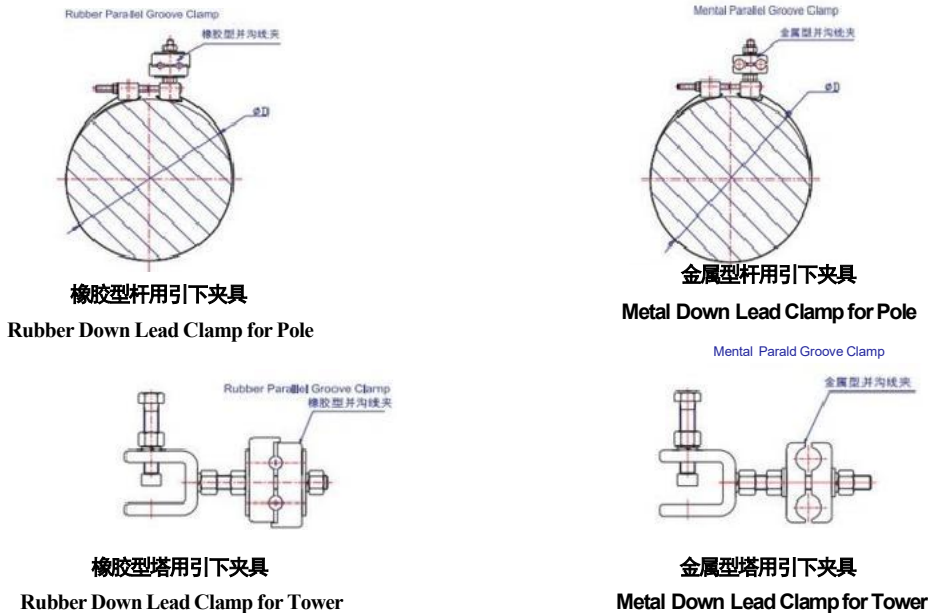


联板的型号及规格Specification of Yoke Plate

型号	a	主要尺寸 Main dimensions (mm)				破坏载荷 Devastating Load (KN)	重量 Weight (kg)
		b	c	H	L		
L-1240	18	16	24	70	400	120	4.55
L-1250	18	16	24	130	500	120	7.66
L-1260	18	16	24	160	600	120	10.3

产品与技术参数Products and tehmlcal paraneters》

引下夹具
Down Lead Clamp



用途、材料：
引下夹具用于光缆引下及跳接时固定光缆，每1.5-2.0米光缆需安装一套。

并沟线夹——耐老化橡胶或铝合金 不锈钢带抱箍——不锈钢 支座——铝合金 U 型钢——镀锌钢

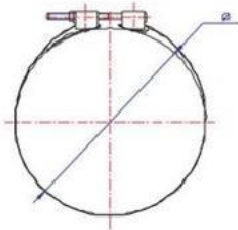
表1规格

产品名称Product Name	型号Model	适用缆径Cable Dia. Range (mm) ddddddd (mm)	重量 (kg) Weight (kg)	备注 Remark
橡胶型塔用引下夹具 Rubber Down Lead Clamp for Pole	TGY1110-T	9.0-11.1	0.85	用于ADSS光缆
	TGY 1330-T	11.2-13.3	0.85	
	TGY1550-T	13.4-15.5	0.85	
	TGY1800-T	15.6-18.0	0.85	
金属型塔用引下夹具 Metal Down Lead Clamp for Pole	TGY 240-T	7.4-20.0	0.85	用于OPGW 光缆
橡胶型杆用引下夹具 Rubber own Lead Clamp for Tower	TGY 1110-H*	9.0-11.1	0.95	用于ADSS光缆
	TGY 1330-H*	11.2-13.3	0.95	
	TGY 1550-H*	13.4-15.5	0.95	
	TGY 1800-H*	15.6-18.0	0.95	
金属型杆用引下夹具 Metal Down Lead Clamp for Tower	TGY240-H*	7.4-20.0	0.95	用于OPGW光缆

注：杆用引下夹具中H*表示不锈钢带抱箍，型号按表9.2确定

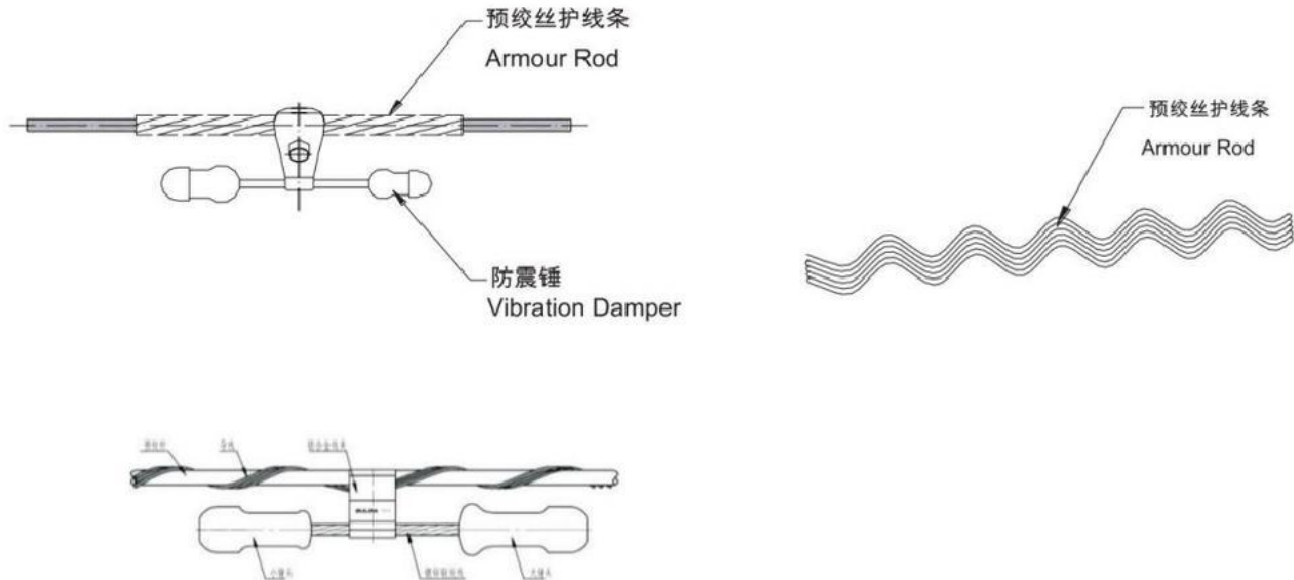
表2不锈钢带抱箍与适用杆径范围对照表

型号Model	H1	H2	H3	H4	H5
适用最大杆径D (mm)	310	460	600	800	1000
重量 (kg) Weight (kg)	0.45	0.50	0.55	0.6	0.7



产品与技术参数Products and technical parameters

防震锤、护线条
Vibration Damper、Armour Rod



公司提供的4D系列防振锤为斯托克布里奇音叉式设计，多共振音效减振装置，主要用于减弱和分散由于微风振动对光缆所产生的冲击能量。

1、规格(Model):

表1线夹式4D防振锤选型

型号 Model	夹持直径范围(mm) Clamp Dia.Range(mm)	总 长 (mm) Total L(mm)	线 夹 宽 (mm) Clamp W(mm)	重量(kg) Weight(kg)	备注
4D-30-27.0	27.0-22.3	383	52	2.5	护线条选型参考表 11.5
4D-30-23.4	23.4-19.5				
4D-30-20.3	20.3-16.5				
4D-30-18.0	18.0-15.0	383	52	2.5	
4D-30-16.0	16.0-14.0				
4D-30-14.0	14.0-12.2				
4D-20-27.0	27.0-22.3	330	52	1.4	
4D-20-23.4	23.4-19.5				
4D-20-20.3	20.3-16.5				
4D-20-18.0	18.0-15.0	330	52	1.4	
4D-20-16.0	16.0-14.0				
4D-20-14.0	14.0-12.2				

表2预绞式4D防振锤选型表

型号 Model	夹持直径范围(mm) Clamp Dia. Range (mm)	总长 (mm) Total L (mm)	预绞丝长度 Length of Armo roods	重量(歧) Weight (kg)	备注
4D-35YJ	28.0-20.1	383	650	3.3	
	22.0-17.1				
	17.0-13.1				
4D-30YJ	28.0-20.1	383	500	2.5	
	22.0-17.1				
	17.0-13.1				
4D-20YJ	22.0-17.1	330	500	1.4	
	17.0-13.1				
	13.0-8.0				

2、配置(Collocation):

常用于 OPGW 光缆的防震装置，也可用于ADSS 光缆

表 3 OPGW 防振锤安装数量的配置表

光缆直径(mm)Cable Dia. (mm)	档距(m) Span (m)			
d<12	100~300	300~600	600~900	
12≤d<22	100~350	350~700	700~1000	1000~1200
防振锤数量(每档)	2	4	6	8

表4 ADSS防振锤安装数量的配置参照表

光缆直径(mm)Cable Dia. (mm)	档距(m) Span (m)			
d<12	100~250	250~450	450~700	
12<d<22	100~250	250~500	500~800	800~1000
防振锤数量(每档)	1	2	4	6

注：在临界档距上，为安全起见，防振锤数量用多不用少。

3、选型 (Choose Model):

选型时考虑两个因素，一是选择锤头，二是选择安装导线直径。综合考虑 OPGW 的光缆的主要技术参数，如张力、风速、地形等因素确定选用防振锤。

3.1重量的选择:

理论公式：Z=(T*M) 1/2

意义：Z 为光缆的特征阻抗值，此数值决定防振的型号。

如果 Z>110，则选用4D-30；如果Z≤110， 则选用4D-20。

注：T——光缆额定抗拉强度的18%-25%(kN) M——光缆单位重量kg/km

3.2夹持直径的选择:

夹持直径指光缆直径与耐张线夹(或悬垂线夹)内绞丝两倍直径之和。如安装在护线条时，夹持直径则为光缆直径加护线条的两倍直径。

产品与技术参数Products and techmical parameters

接头盒

Joint Box



炮弹型塑料接头盒
Cap-type Plastic Joint Box

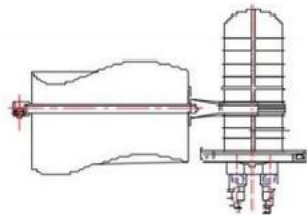


炮弹型金属接头盒
Cap-type Metal Joint Box

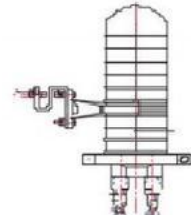
用 途：

炮弹型塑料接头盒：用于ADSS 与 ADSS 光缆接续，光纤最大容量达96芯。

炮弹型金属接头盒：具有机械强度高，密封性能好，耐腐蚀性强等优点。可重复开启、扩容、维修、复接等。光纤最大容量达144芯。光纤盘留附加损耗≤0.01Db，光纤弯曲半径≥45mm 光缆固定采用特殊夹紧方式，有效防止夹伤光缆，安装操作极为方便。



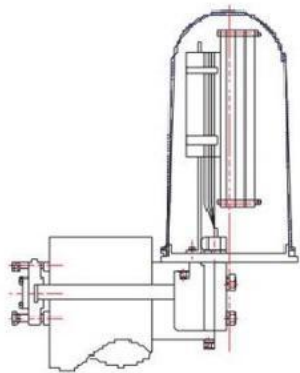
规 格：
ADSS 杆用炮弹型塑料接头盒
Cap-type Plastic Joint Box for Pole



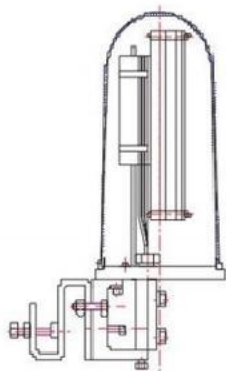
ADSS塔用炮弹型塑料接头盒
Cap-type Plastic Joint Box for Tower

表1杆用ADSS炮弹型塑料接头盒规格

名称 Name	规格 Model	芯数 Core No.	重量 Weight (kg)	备注 Remark
一进一出ADSS 杆用炮弹型塑料接头盒 Input-1, Output-1 for ADSS Plastic Joint Box for Pole	AJS02048-H*	8-48	1.8	
	AJS02096-H*	48-96	1.8	
二进二出ADSS 杆用炮弹型塑料接头盒 Input-2, Output-2 for ADSS Plastic Joint Box for Pole	AJS 04048-H*	8-48	1.8	也适用于二进一出 Also Suitable for Input-2, Output-1
	AJS 04096-H*	48-96	1.8	
一进一出ADSS 塔用炮弹型塑料接头盒 Input-1, Output-1 for ADSS Plastic Joint Box for Tower	AJS02048-T	12-48	1.8	
	AJS02096-T	48-96	1.8	
二进二出ADSS 塔用炮弹型塑料接头盒 Input-2, Output-2 for ADSS Plastic Joint Boxfor Tower	AJS04048-T	12-48	1.8	也适用于二进一出 Also Suitable for Input-2, Output-1
	AJS04096-T	48-96	1.8	



杆用炮弹型金属接头盒
Cap-type Metal Joint Box for Pole



塔用炮弹型金属接头盒
Cap-type Metal Joint Box for Tower

表2炮弹型金属接头盒规格

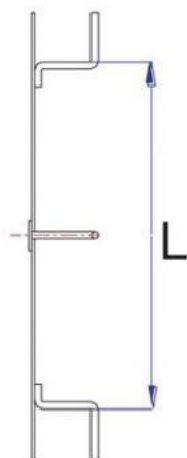
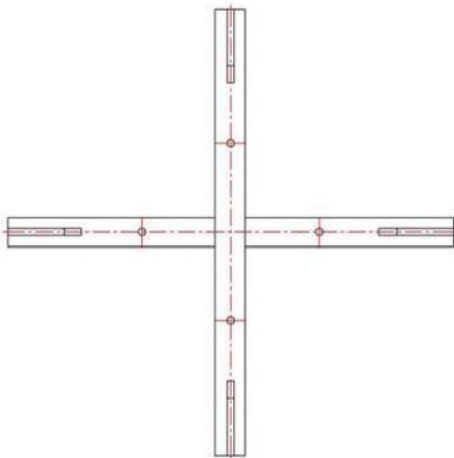
产品名称 Name	型号 Model	重量 Weight (kg)	材料 Material	安装位置 Install Location
一进一出杆用炮弹型金属接头盒 Cap-type Metal Joint Box for Pole	PJJ02048-H*	6.7	铝合金	杆用
	PJJ02096-H*	6.7		
二进二出杆用炮弹型金属接头盒 Cap-type Metal Joint Box for Pole	PJJ04048-H*	6.7		
	PJJ04096-H*	6.7		
一进一出塔用炮弹型金属接头盒 Cap-type Metal Joint Box for Tower	PJJ02048-T	6.7	铝合金	塔用
	PJJ02096-T	6.7		
二进二出塔用炮弹型金属接头盒 Cap-type Metal Joint Box for Tower	PJJ04048-T	6.7		
	PJJ04096-T	6.7		

说明：
02/04——端口数，04也适用于二进一出，下单时须注明
048/096——光缆芯数，超过96芯另行确认
H*——杆用不锈钢带型号，参见表9.2确定 T——表示塔用



产品与技术参数Products and technical parameters 》

余缆架
Cable Storage Assembly



1、用途(Use):

余缆架：用于接续杆塔上盘放富余光缆，与光缆接头盒配套使用。

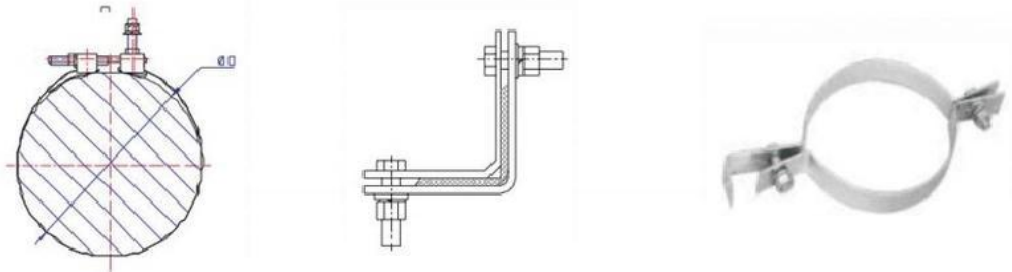
2、规格(Model):

表 1

产品名称 Name	型号 Model	主要参数Dimension		配置 Collocation	适用光缆范围 Suitable Cable Range
		L (mm)	重量 (kg)		
余缆架 Cable Storage Assembly	TJY 660-T	660	4.1	小夹板	适用于ADSS光缆，缆径不大于14.8
	TJY 1000-T	1000	7.7	小夹板	适用于ADSS光缆，缆径大于14.8, OPGW光缆，缆径不大于14.8
	TJY 1200-T	1200	11.8	小夹板	适用于OPGW光缆，缆径大于14.8
余缆架 Cable Storage Assembly	TJY 660-H*	660	4.1	杆用支座	适用于ADSS光缆，缆径不大于14.8
	TJY 1000-H*	1000	7.7	杆用支座	适用于ADSS光缆，缆径大于14.8, OPGW光缆，缆径不大于14.8
	TJY 1200-D*	1200	11.8	弯头抱箍	适用于OPGW光缆，缆径大于14.8

说明：
1、T——表示塔用 H*——不锈钢带抱箍型号(按表9.2确定) D*——表示杆径
2、当余缆架用于铁塔上安装，配两付小夹板。
3、当余缆架用于电杆上安装，配两套杆用支座或两套弯头抱箍。
4、杆径c450 以下配杆用支座， c450 以上配弯头抱箍。

3、余缆架用杆用支座、小夹板、弯头抱箍
Accessories for Cable Storage Assembly



杆用支座Support for Pole（表13. 2）小夹板Small Splint（表13. 3）弯头抱箍 Elbow Hoop（表13. 4）
用途：余缆架用杆用支座和弯头抱箍用于线杆上余缆架在杆上的固定；小夹板用于余缆架在铁塔上的固定。

表2余缆架用杆用支座规格

产品名称Name	型号Model	适用杆径Pole Dia. (mm)	重量(kg)Weight (kg)	材料Material
杆用支座Support for Pole	TJY-H1	150-310	0.48	不锈钢带 Stainless Steel Strip
杆用支座Support for Pole	TJY-H2	311-460	0.52	
杆用支座Support for Pole	TJY-H3	461-600	0.57	
杆用支座Support for Pole	TJY-H4	601-800	0.62	
杆用支座Support for Pole	TJY-H5	801-1000	0.72	

表3小夹板规格

产品名称Name	型号Model	适用铁塔角钢尺寸Angle Iron Dimension for Iron Tower (mm)	重量(kg)Weight (KG)	材料Material	备注Remark
小夹板Small Splint	TJB-70	≤70	1.02	热镀锌钢	
小夹板Small Splint	TJB-100	71-100	1.22	热镀锌钢	
小夹板Small Splint	TJB-150	101-150	1.61	热镀锌钢	

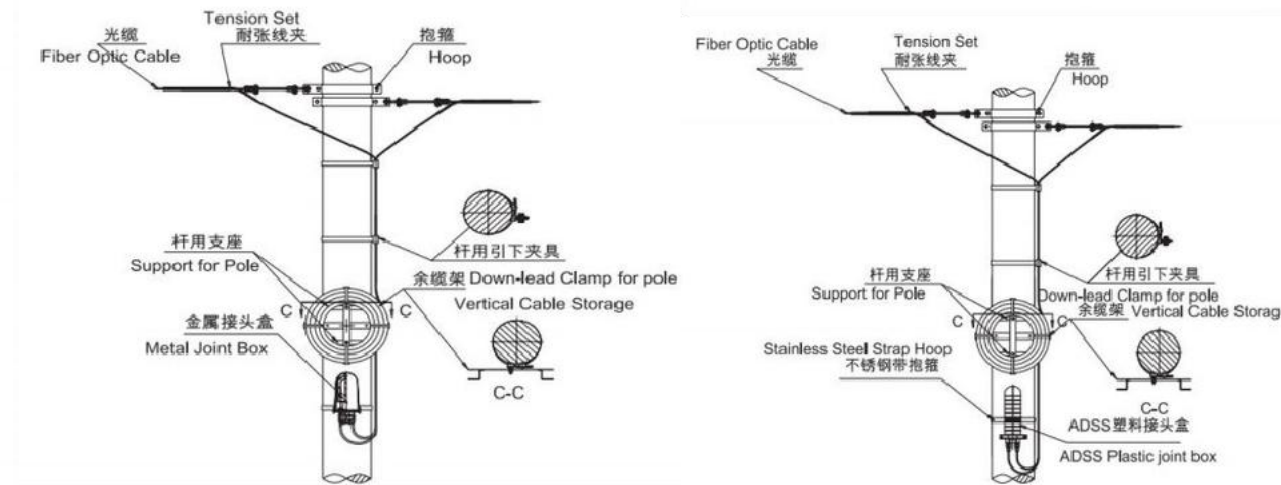
注：如无特别说明一般用TJB-70。

表4弯头抱箍规格

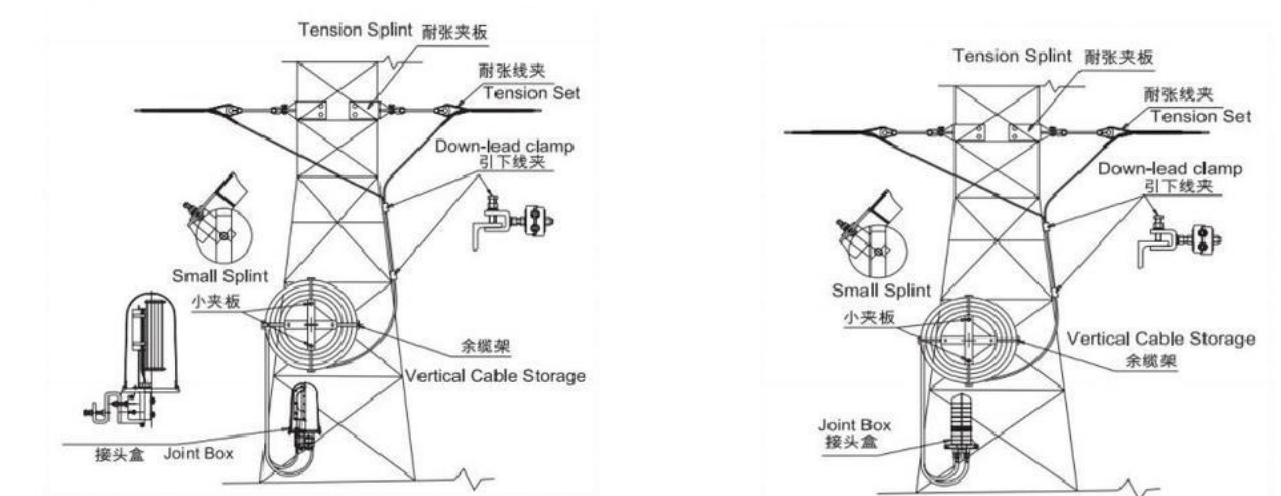
产品名称Name	型号Model	适用范围Suitable Range	参考重量Weight (kg)	材料Material	破坏载荷 (KN)Failing Load
弯头抱箍 Elbow Hoop	TGQ175070	安装位置直径：151~175mm	2.7	镀锌钢	70
	TGQ 200070	安装位置直径：176~200mm	2.9	镀锌钢	70
	TGQ225070	安装位置直径：201~225mm	3.2	镀锌钢	70
	TGQ 250070	安装位置直径：226~250mm	3.4	镀锌钢	70
	TGQ 275070	安装位置直径：251~275mm	3.6	镀锌钢	70
	TGQ300070	安装位置直径：276~300mm	3.8	镀锌钢	70
	TGQ325070	安装位置直径：301~325mm	4.0	镀锌钢	70
	TGQ 350070	安装位置直径：326~350mm	4.3	镀锌钢	70
	TGQ375070	安装位置直径：351~375mm	4.5	镀锌钢	70
	TGQ400070	安装位置直径：376~405mm	4.7	镀锌钢	70

TGQ425070	安装位置直径：401~425mm	4.9	镀锌钢	70
TGQ 450070	安装位置直径：426~450mm	5.1	镀锌钢	70
TGQ475070	安装位置直径：451~475mm	5.4	镀锌钢	70
TGQ500070	安装位置直径：476~500mm	5.6	镀锌钢	70
TGQ525070	安装位置直径：501~525mm	5.8	镀锌钢	70
TGQ550070	安装位置直径：526~550mm	6.0	镀锌钢	70
TGQ575070	安装位置直径：551~575mm	6.2	镀锌钢	70
TGQ600070	安装位置直径：576~600mm	6.5	镀锌钢	70
TGQ625070	安装位置直径：601~625mm	6.7	镀锌钢	70
TGQ650070	安装位置直径：626~650mm	6.9	镀锌钢	70
TGQ675070	安装位置直径：651~675mm	7.1	镀锌钢	70
TGQ700070	安装位置直径：676~700mm	7.3	镀锌钢	70

杆用接头盒、余缆架安装示意图：
The Installation Sketch Map of Joint Box、Cable Storage Assembly for Pole



塔用接头盒、余缆架安装示意图：
The Installation Sketch Map of Joint Box、Cable Storage Assembly for Tower



产品与技术参数Products and technical paraneters”

OPPC 光缆金具
Helical wire and fittings for OPPC

OPPC用途及特点(Usage and characteristics)

oPPC是光纤复合相线的简称，利用光纤电磁兼容的原理，将光纤单元复合在相线中，既起到电力传输作用，又起到光纤通信的作用，一种新型特种电力光缆。

当OPPC受力面积太小会导致光纤不锈钢管受压变形，影响光纤通信，因此，OPPC金具不能采用输电导线施工时所用的压接卡式金具，而应当采用特殊设计的金具及附件，如预绞丝式耐张金具、悬垂金具、防振锤、护线条等。

对OPPC来说，光电分离技术是关键，所以OPPC需要配置特别的接头盒和终端盒。

OPPC is optical fiber phase conductor for short .It is the new special power optical cable by using the principle of optical fiber electromagnetic compatibility,compounding the optical fiber unit at phase line ,which has functions of power transmission and fiber communication. When stressed area of OPPC is too small,the stainless steel pipe of optical fiber will become deformed under pressure,which will affect fiber communication,so when make operation for OPPC,the crimping clamp fittings for transmission conductor could not be used,but the special designed fittings and accessories should be used,such as preformed armor rod strain fittings,suspension fittings vibration damper and armor rods etc.For OPPC, optical-electric separation is the most important,so OPPC need equipped with connection box and terminal box.

OPPC预绞式耐张金具(Helical dead-end for OPPC)

产品用途及特点(Usage and characteristics)

OPPC光纤复合相线用耐张线夹可分为单耐张线夹和双耐张线夹，根据工程需要分别选用，其组成为内绞丝、外绞丝(双耐张线夹增加中间外绞丝), 心形环等。OPPC耐张金具需通过绝缘子与杆塔相连。

注：本公司所提供的耐张金具不包含绝缘子串。

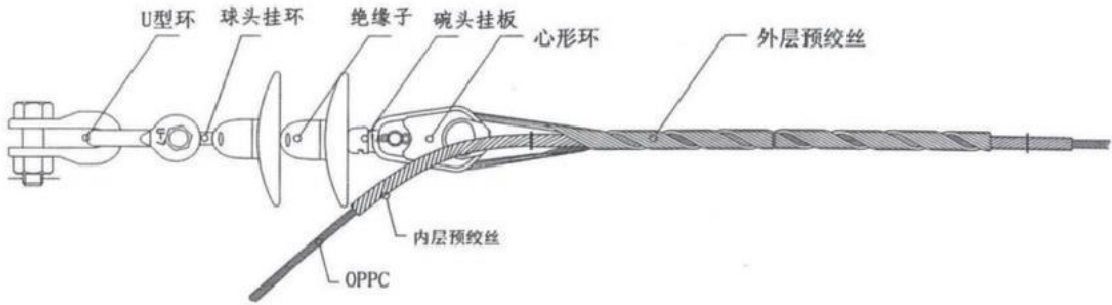
Strain clamp for OPPC optical fiber composite phase could be divided into single strain clamp and double strain clamp be selected and used according to engineering requirement It consisted of internal armor rod external armor rod(middle external armor rod should be increased for double strain clamp)and thimble etc.OPPC strain fittings need connect with pole tower through insulator .

Remark:Strain fittings provided by our company not include insulator chain.

OPPC耐张金具通用配置图 (Currency Assembly of dead-end for OPPC)



OPPC耐张金具安装示意图 (Sketch map of dead-end for OPPC)



OPPC耐张选型表(Specification of helical dead-end for OPPC)

产品规格Type	适用缆径 Available Dia. of Cable		绞丝长度 Length preformed wire		参考重量 Ref Weight (kg)	破断强度 Devastating strength(kN)
	最小Min (mm)	最大Max (mm)	内层Inner (mm)	外层Outer (mm)		
PNY 1410	12.9	14.1	1660	1240	2.6	100
PNY 1550	14.2	15.5	1840	1360	2.9	100
PNY 1730	15.6	17.3	2060	1480	3.6	100
PNY 1920	17.4	19.2	2460	1830	4.7	120
PNY 2110	19.3	21.1	2650	2000	5.2	120
PNY 2300	21.2	23.0	2830	2580	6.7	120

OPPC悬垂金具(Helical Suspension set for OPPC)

产品用途及特点(Usage and characteristics)

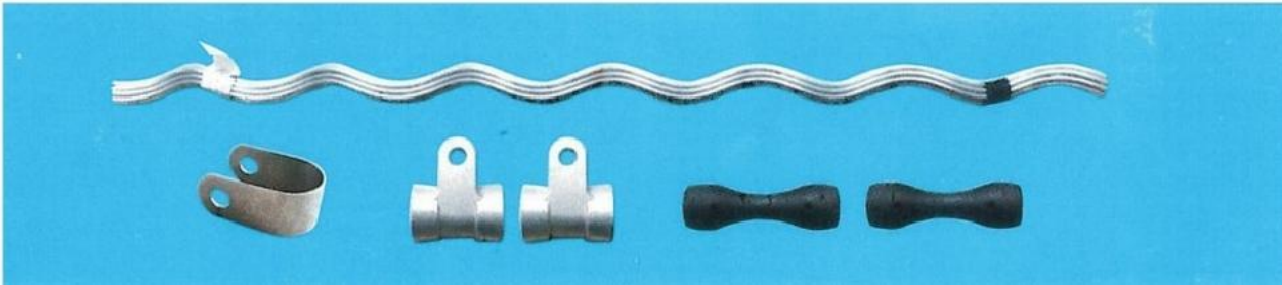
悬挂金具用于将OPPC与塔杆上的绝缘子相连接，可分为单悬垂和双悬垂，其由内绞丝、外绞丝、悬垂夹U形卡、配套螺栓、橡胶夹组成。OPPC悬挂金具必须通过绝缘子才能与杆塔相连。

注：本公司所提供的悬垂金具不包含绝缘子串。

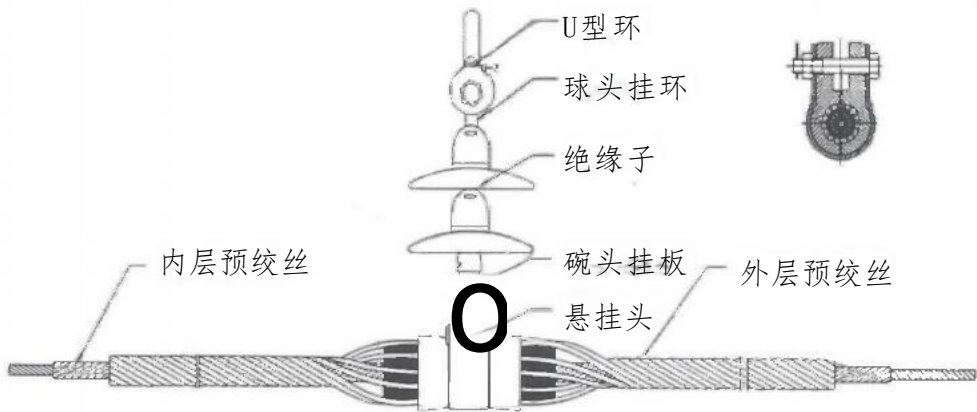
The hanging fittings is used in connecting OPPC with insulator on the tower,it has single suspension and double suspension.It consisted of internal armor rod,external armor rod,suspension clamp,U clip rain assorted bolt and rubber clip.OPPC hanging fitting must connect with pole tower through insulator.

Remark:Suspension fittings provided by our company not include insulator chain .

OPPC悬垂金具通用配置图(Currency Assembly of suspension set for OPPC)



OPPC悬垂金具安装示意图(Sketh map of suspension set for OPPC)



产品与技术参数Products and technical peraeters》

OPPC 光缆金具
Helical wire and fittings for OPPC

OPPC悬垂选型表(The Specification for OPPC Suspension set)

产品规格Type	适用缆径 Available Dia.of Cable (mm)	内层长度 Length of Structural Reinforcing Rods(mm)	外层长度 Length of Outer Rods (mm)	参考重量 Ref. Weight (kg)	色标 Color code
PXY 1360	12.9-13.6	1960	1320	2.2	黑BK
PXY 1410	13.7-14.1	2000	1320	2.2	黄YE
PXY 1430	14.2-14.3	2000	1320	2.2	紫PU
PXY 1450	14.4-14.5	2120	1440	2.6	蓝BU
PXY 1510	14.6-15.1	2120	1440	2.6	绿GR
PXY 1580	15.2-15.8	2180	1440	2.7	橙BR
PXY 1600	15.9-16.0	2400	1600	3.1	红RE
PXY 1690	16.1-16.9	2400	1600	3.1	黑BK
PXY 1730	17.0-17.3	2400	1600	3.2	黄YE
PXY 1800	17.4-18.0	2400	1600	3.3	紫PU
PXY 1840	18.1-18.4	2400	1620	3.3	蓝BU
PXY 1880	18.5-18.8	2400	1620	4.7	绿GR
PXY 1890	18.9-18.9	2400	1620	4.7	橙BR
PXY 1990	19.0-19.9	2400	1620	5.1	红RE
PXY 2090	20.0-20.9	2650	1830	5.6	黑BK
PXY 2190	21.0-21.9	2650	1840	5.6	黄YE
PXY 2300	22.0-23.0	2650	1840	5.9	紫PU



OPPC接头盒(Closure and Terminal box for OPPC)

产品用途及特点 (Usage and characteristics)

在OPPC工程应用中，需要将光纤单元从相线中分离出来，涉及到光纤接续和光电分离技术，对OPPC来说，光纤的接续、保护，高压绝缘等要满足要求，接头盒是非常重要的一环。

In OPPC engineering application separate fiber unit from phase,it concerns fiber splicing and optical-electric separation technology.For OPPC,high volatge insulation should meet demands of splicing and protection of optical fiber.The connection box is the most important part.

OPPC接头盒和0PGW、ADSS光缆的接头盒有很大的不同，在运行时是带电的，一旦出现问题将直接影响线路的安全和正常运营.0PPC接头盒需要考虑组合绝缘子。

OPPC connection box has big difference with OPGW,ADSS optical cable.It is live when it runs,it will affect line safety and normal run directly if there are problems.OPPC connection box should consider composite insulator.

OPPC接头盒分为中间接头盒和终端接头盒，并分别采用相应的绝缘子。中间接头盒在线路中间，起到光纤接续、保护和电力传输的作用。终端接头盒实现光电最终的分离。

OPPC connection box has middle box and terminal box and fixed corresponding insulator respectively.The middle box is in the middle of line and has function of fiber splicing and protection and power transmission.The terminal box achieve optical-electric final separation.

具有本公司自有知识产权的OPPC接头盒克服了目前国内外现有OPPC接头盒不能预留不锈钢管单元中的致命缺陷，可以在盒内预留符合施工和维护要求的足够长度不锈钢管，解决了OPPC线路在接续点处不能预留过多导线带来的问题，也为今后的维护准备了余量，是OPPC线路真正专用的接头盒。

The OPPC connection box has its own intellectual property right of or company.It overcame the limitation for stainless steel unit could not be reserved in OPPC connection box in domestic and abroad at present,the stainless steel pipe with enough length required by construction and maintenance could be reserved in the box,which solve the problem of not so many conductors could be reserved at the splicing point of OPC line and prepare allowance for the future maintenance.It is the real special connection box for OPPC line.

产品示意图 (Sketch map Closure and Terminal box)



中间接头盒(Closure)



终端接头盒 (Terminal box)

产品型号及规格(The specification for closure and terminal box)

电压等级 High Voltage grade (ky)	中间接头盒 (Closure)	终端接头盒 (Terminal box)
10	GJX-JT210	GJX-JT110
35	GJX-JT235	GJX-JT135
110	GJX-JT2110	GJX-JT1110

注(Note): 如需更高电压等级接头盒，请与本公司联系
If you need to change for connector box with a higher voltage,please contact our company freely.

产品与技术参数Products and technical maraneters"

引用夹具
Down Lead Clamp

产品用途及特点 (Usage and characteristics)

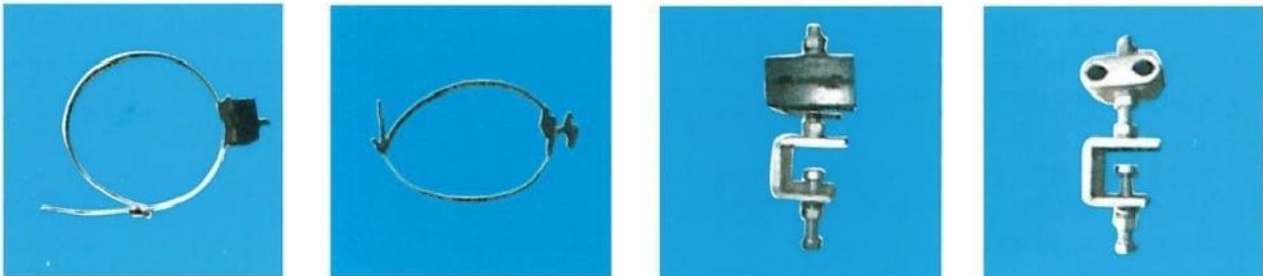
用于OPGW光缆或ADSS光缆在杆塔上的固定，适用于各种不同的缆径，安装便捷、牢靠。

引下夹具分杆用和塔用两个基本类型。ADSS光缆通常采用橡胶型夹具，OPGW 光缆通常采用金属型夹具。

It is used in fixing OPGW optical cable or ADSS optical cable on the tower.It is suitable for cables with different diameters. It is reliable and easy to install.

Drop clamp has two types,one is for pole and the other is for tower.ADSS optical cable adopts rubber clamp in generally,OPGW optocal cable adopts metal clamp.

产品示意图 (Assembly drawing)



橡胶型杆用引下夹具 Rubber Down Lead Clamp for Pole 金属型杆用引下夹具 Metal Down Lead Clamp for Pole 橡胶型塔用引下夹具 Rubber Down Lead Clamp forTower 金属型塔用引下夹具 Metal Down Lead Clamp for Tower

产品型号规格 (Specification)

引下线夹产品型号 (Specification for Down lead clamp)				
产品名称Item	产品规格Type	适用缆径 Available Dia. of Cable (mm)	参考重量 Ref. Weight (kg)	备注 Note
橡胶型塔用引下夹具 Rubber Down Lead Clamp for Pole	ATY 1110	9.0-11.1	0.85	
	ATY 1330	11.2-13.3	0.85	用于ADSS光缆
	ATY 1550	13.4-15.5	0.85	Using for ADSS
	ATY 1800	15.6-18.0	0.85	
金属型塔用引下夹具 Metal Down Lead Clamp for Pole	OTY 240	8.5-24.0	0.85	用于OPGW光缆 Using for OPGW
橡胶型杆用引下夹具 Rubber Down Lead Clamp for Tower	AGY 1110-***	9.0-11.1	0.95	
	AGY 1330-***	11.2-13.3	0.95	用于ADSS光缆
	AGY 1550-***	13.4-15.5	0.95	Using for ADSS
	AGY 1800-***	15.6-18.0	0.95	
金属型杆用引下夹具 Metal Down Lead Clamp for Tower	OGY 240-***	8.5-24.0	0.95	用于OPGW光缆 Using for OPGW

注(Note):***- 表示杆径 ***-refers to the diameter of pole

防振器(Vibration Damper)

电力光缆防振器主要有螺旋防振鞭和防振锤两种。防振器起抑制光缆的微风振动及舞动的作用。每一档剧防振器的安装数量、安装位置、安装距离等需根据线路情况确定。

防振锤又分4D防振锤和预绞丝式防振锤。4D防振锤通过护线条安装在光缆上，而预绞丝式防振锤通过配置的预绞丝安装在线缆上。

Power optical cable anti-vibrator has two types,spiral anti-vibration whip and anti-vibration damper.The anti-vibration hao function of conteolling aeolina vibration of optical cable.The installation quantity,location distance of each span vibrator should be determined by status of line.

Anti-vibration damper has 4D anti-vibration damper and helical armor rod anti-vibration daper.4D anti-vibration damper will be fixed on the optical cable through armour rod;the helical armor rod will be fixed on the cable through equipped helical armor rod.

螺旋防振器(Helical Vibration Damper)

产品用途及特点 (Usage and characteristics)

螺旋防振鞭由一种高强度、耐老化、高弹性的工程塑料制成，材料为非金属，对光缆不会造成任何机械损伤. 轮旋防振鞭ADSS光缆上的应用比较广泛. 螺旋型防振鞭由一段较短的握紧段和一段较长的减振段组成：握紧段能有效握紧光缆，使得轮旋型防振鞭牢固地固定在缆上；防振段通过于光缆之间的相互碰撞产生阻尼作用，消耗光缆振动能量，使光缆上的微风振动得到减弱。

Spiral anti-vibration whip is made of engineering plastic wich high strength,anging resistance and elasticity.It is non-metal material,so there is no mechanical damage to optical cable.Spiral anti-vibration whip is widely used in ADSS optical cable.It is composed of a short holding section and a long anti-vibration section.The holding section could hold optical cable effectively,and fix the spiral anti-vibration whip on the cable firmly;anti-vibration section could has damping effect through collide each other of optical cables,consume the vibration energy of optical so it could weaken the aeolina vibration of optical cable.

产品示意图(SPhotograph of helical vinration damper)

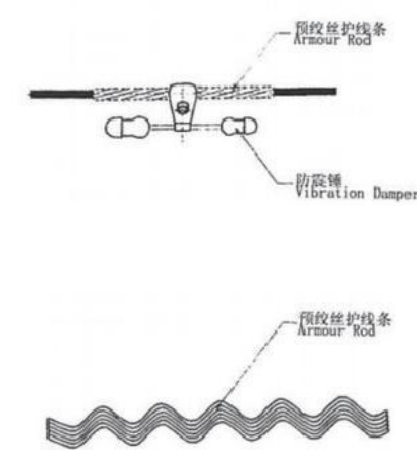


螺旋减振器规格 (The Specification for helical vibration danmper)			
产品规格Type	适用缆径 Available Dia. of Cable (mm)	长度Length (mm)	参考重量 Ref. Weight (kg)
FTL 0830126	6.35-8.29	1260	0.22
FTL 1170130	8.30-11.70	1300	0.28
FTL 1430135	11.71-1430	1350	0.30
FTL 1930167	14.31-19.30	1670	0.66
配置建议表 (Recommendation of helical vinration damper allocated)			
档距Span (m)		配置数量/档Number/Span	
<100		0	
100-250		2	
250-400		4	
400-800		6	
800-1000		8	

产品与技术参数Products and technical parameters”

防振锤护线条

Vibration Damper Armour Rod



型号Model	夹持直径范围 Clamp Dia, Range (mm)	总长 Total (m)	线夹宽 Clamp W (mm)	重量 Weight (kg)
4D-30-27.0	27.0-22.3	383	52	2.5
4D-30-23.4	23.4-19.5	383	52	2.5
4D-30-20.3	20.3-16.5	383	52	2.5
4D-30-18.0	18.0-15.0	383	52	2.5
4D-30-16.0	16.0-14.0	383	52	2.5
4D-30-14.0	14.0-12.0	383	52	2.5
4D-20-27.0	27.0-22.3	330	52	1.4
4D-20-23.4	23.4-19.5	330	52	1.4
4D-20-20.3	20.3-16.5	330	52	1.4
4D-20-18.0	18.0-15.0	330	52	1.4
4D-20-16.0	16.0-14.0	330	52	1.4
4D-20-14.0	14.0-12.2	330	52	1.4

配置Collocation:

常用于OPGW光缆的防震装置，也可以于ADSS光缆。
Normally used for the anti-shaking facilities of OPGW optical cables,and also ADSS optical cables.

OPGW防振锤安装数量的配置表

Configurations for the Installation Quantitier of OPGW Anti-Shanking Hammers

光缆直径 Clable Dia. (mm)odel		档距Span (m)			
d<12	100~300	300~600	600~900		
12≤d<22	100~350	350~700	700~1000	1000~1200	
防振锤数量(每档)	2	4	6	8	

ADSS防振锤安装数量的配置表

Configurations for the Installation Quantitier of ADSS Anti-Shanking Hammers

光缆直径 Clable Dia. (m)odel		档距Span (m)			
d<12	100~250	250~450	450~700		
12<d<22	100~250	250~500	500~800	800~1000	
防振锤数量(每档)	1	2	4	6	

造型 Choose Model:

选型时考虑两个因素， 一是选择锤头，二是选择安装导线直径. 综合考虑OPGW的光缆的主要技术参数，如张力、风速、地形等因素确定选用防振锤。

重量的选择：

理论公式：Z=(T*m)^{1/2} 意义：Z为光缆的特征阻抗值，此数值决定防震锤的型号。

如果Z>110，则选用4D-30;

如果Z≤110，则选用4D-20; 注：T光缆额定抗拉强度的18%-25%(KN)

M光缆单位重量kg/km

Tow factors shall be included in the sizing:one is the selection of hammer head;the other is diameter of installation selection of hammer head;the other is diameter of installation cable.In total,selection of anti-vibration hammer should in-clude the key technincal parameters of OPGW cables,like tension,wind speed and landform etc.

Selection of Werghts

Theortical Formula:Z=(T*m)"

Annotation:Z means the characterized impedance value of optical cable,which shall define type of anti-vibration facility.

If Z>110,the 4D-30 shall be chosen.

If Z≤110,4D-20 shall be utilized.

Note:T means 18%-25%of rated anti-pulling intension of optical cable(unit:KN);

M means the unit weight of cable(kg/km).

夹持直径的选择：

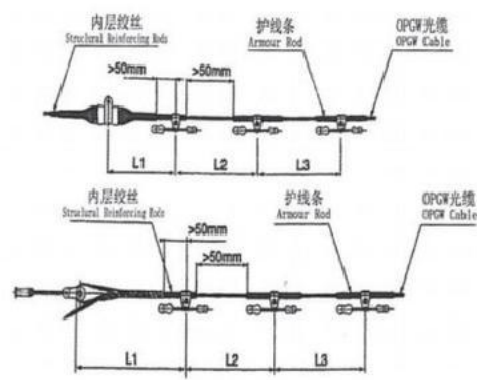
夹持直径指光缆直径与耐张线夹(或悬垂线夹)内绞丝两倍直径之和。如安装在护线条时，夹持直径则为光缆直径加护线条的两倍直径。

Selection of Clipping Diameter

Clipping diamerer means the optical cable diameter plus twice the diameter of internal teist thread of anti-strain clamp (or overhanging clam).For example,in the installation of protection lines,clipping diameter shall equal to the diameter of optical cable plus twice diameter of protection lines.

安装示意图Instrallation

Hint:



安装位置的确定

根据防振方案要求进行安装。

注意事项:

- 1、根据计算，若防振锤计算安装位置落在内绞丝上，则不必加装护线条，直接安装即可。
- 2、如果防震锤计算安装位置落在光缆上，则需加装护线条，且注意护线条末端距离内绞丝末端至少50mm。
- 3、如果防振锤安装位置落在外绞丝上，则可偏移少许，直接安装在内绞丝上，但防振锤中心距外绞丝末端大于50mm。
- 4、锤头朝向：大锤头朝铁塔。

Localization of Installation

Install per the anti-vibration scheme.

Note:

- 1、According to the calculation,if the calculated installation position of anti-vibration hammer falls onto the internal twisted thread,the the installation can proceed with no protection lines installed.
- 2、If the calculated installation position of anti-vibration hammer falls onto the optical cable,then the protection lines should be installed,and attention should be paid to keep the end of protection lines should at least 50mm from the end of internal twisted thread.
- 3、If the calculated installation position of anti-vibration hammer falls onto the external twisted thread,then it can be installed directly onto the internal twisted thread with tiny excursion allowed,but center of anti-vibration hammer should be more than 50mm from the end of external twisted thread.
- 4、Direction of the hammer head:Towards the iron tower.

护线条Armour Rod

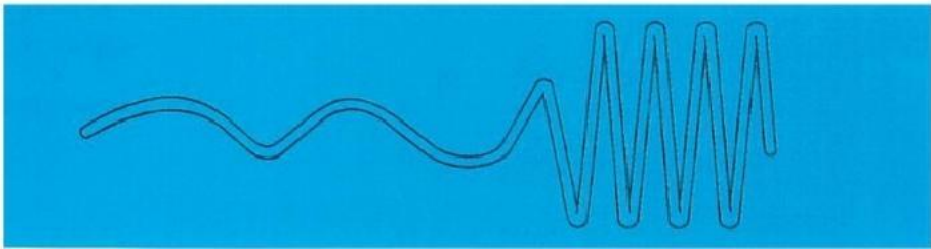
规格Type	适用缆径 Cable Dia. (mm)	材料 Material	长度 L (mm)	重量 Weight (kg)	规格Type	适用缆径 Cable Dia. (mm)	材料 Material	长度 L (mm)	重量 Weight (kg)
TFH 0800	7.4-8.0	防锈铝合金	400	0.12	TFH 1410	13.7-14.1	防锈铝合金	500	0.23
TFH 0880	8.1-8.8	防锈铝合金	400	0.12	TFH 1430	14.2-14.3	防锈铝合金	500	0.23
TFH 0960	9.0-9.6	防锈铝合金	450	0.15	TFH 1450	14.4-14.5	防锈铝合金	500	0.23
TFH 1010	9.7-10.1	防锈铝合金	450	0.15	TFH 1510	14.6-15.1	防锈铝合金	500	0.25
TFH 1060	10.2-10.6	防锈铝合金	450	0.17	TFH 1580	15.2-15.8	防锈铝合金	500	0.28
TFH 1110	10.7-11.1	防锈铝合金	450	0.17	TFH 1600	15.9-16.0	防锈铝合金	550	0.30
TFH 1160	11.2-11.6	防锈铝合金	500	0.19	TFH 1690	16.1-16.9	防锈铝合金	550	0.30
TFH 1170	11.7-11.7	防锈铝合金	500	0.21	TFH 1730	17.0-17.3	防锈铝合金	550	0.30
TFH 1200	11.8-12.0	防锈铝合金	500	0.21	TFH 1800	17.4-18.0	防锈铝合金	550	0.33
TFH 1270	12.1-12.7	防锈铝合金	500	0.21	TFH 1840	18.1-18.4	防锈铝合金	550	0.33
TFH 1290	12.8-12.9	防锈铝合金	500	0.23	TFH 1880	18.5-18.8	防锈铝合金	550	0.35
TFH 1360	13.0-13.6	防锈铝合金	500	0.23					



产品与技术参数Proucts and technical eraneters》

防 晕 环

Anticorona ring



功能用途Function

用于110kV及以上电压等级的输电线路，同杆或同塔架设ADSS光缆时，光缆往往处于较高的空间电位，预绞丝的末端很容易引起电晕，对光缆的安全运行构成威胁。为此，此防晕环主要是为了改变预绞丝末端电场状况，提高起晕电压可达1倍以上，防晕环材质为优质铝合金丝。

It is used in the electric transmission line with voltage of 110KV and above. When erect ADSS optical cable on same pole or tower,the optical cable is in higher space potential,the end of helical armor rod is easy to cause anticorona ring,and pose threat to safe run of optical cable.So this anticorona ring is mainly for changing the status of electric field of end of helical armor rod, improving corona starting voltage as more than 1 times. The material of anticorona ring is high quality aluminum alloy rod.

选型方法Molding method

根据光缆直径：

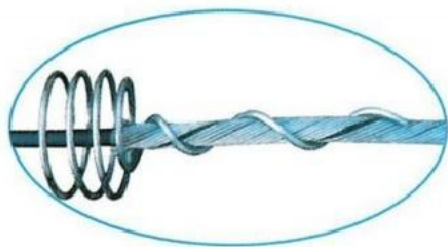
每套悬垂线夹配置两套防晕环；

每套耐张线夹配置一套防晕环。

According to diameter of optical cable

Two sets of anticorona ring equipped with one set of suspension clamp

A set of anticorona ring equipped with each set of strain clamp



预绞式防振锤(Vibration Damper with helical wire)

产品用途及特点(Usage and characteristics)

在设计线路时，需要采取防振措施。防振锤能有效消除或降低线缆运行时的振动或舞动，预绞丝式防振锤有锤体及预绞丝线夹组成。

我公司提供的新型预绞丝式防振锤，其独特的重量和合理的外观设计，能产生多个共振频率，有效防止振动。

Anti vibration measures should be considered, Anti-vibration damper could eliminate or redce the vibration or dancing effectively when the cable runs. Helical armor rod anti-vibration damper is composed of hammerblock and helical armor rod.

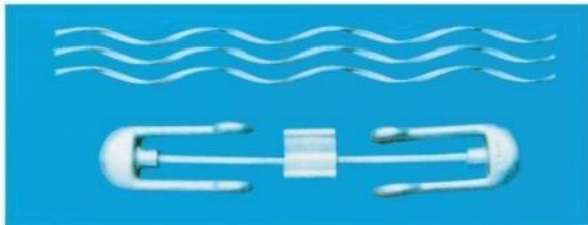
The new helical armor rod anti vibration damper provided by our Company has specific weight and reasonable appearance, which could bring many resonant frequencies and prevent vibration effectively.

预绞丝式防振锤产品示意图(Sketch map of vibration damper with helical wire)



预绞丝式防振锤 (I)

Vibration damper with helical wire(Type I)



音叉型预绞式防振锤 (II)

Tuning fork Vibration damper with helical wire(Type II)

预绞丝式防振锤产品型号规格(Specification of Vibration damper with preformed wire)

I型预绞丝式防振器选型表 (Specification of Type I Vibration damper with helical wire)

防振锤型号 Model	适用导线直径 Cable Dia. (mm)		参考重量kg/套 Weight Ref. (kg/set)
	最小min	最大max	
F14873A01	11. 5	13. 10	1. 55
F14873A01	13. 11	14. 81	
F14873A03	14. 82	16. 62	
F14873A04	16. 63	18. 53	
F14873A05	18. 54	20. 54	
F14873A06	10. 10	11. 49	
F14873A07	20. 55	22. 55	
F14873A08	8. 80	10. 09	

II型音叉型预绞式防振锤选型表(Specification of Type II Tuning fork vibration damper with helical wire)

防振锤型号 Model	导线直径Cable Dia. (mm)		适用导线面 积 Application conductor	参考重量 Weight Ref. (kg/set)
	最小min	最大max	area (mm²)	
B161001A01	7. 0	13. 0	35-70	2. 5
B161001A02	13. 1	18. 0	95-150	2. 5
B161001A02	18. 1	24. 0	185-240mm²	3. 3
B161001A03	24. 1	28. 0	300-400mm²	3. 3
B161001A04	28. 1	34. 0	500-630mm²	3. 3

产品与技术参数Products and technical parameters”

光缆接头盒
Optical fiber closure

光缆接头盒主要用于保护两段光缆之间光纤的接头用，并在接头盒中预留一段光纤作为维护使用。接头盒密封性能优良，防水、防潮，且在电力线路上不被腐蚀。

Optical cable connection box is mainly used in protecting the splices of optical fibers between two sections of optical cable, reserving a section of optical fiber in the connection box for maintenance.

The connection box has excellent sealing property,waterproof and dampproof.It could not be corroded on the power line.接头盒分中间接头盒和终端接头盒两种基本类型：中间接头盒用于线路中间两段光缆之间的对接保护，终端接头盒为线路终端使用，用于光缆线路终端分线或光缆中光纤与跳线的连接保护。

Connection box has two types,middle connection box and terminal connection box.Midle connection box is used in butt joint between two sections of optical cable in the middle of line;the terminal connection box is used in line terminal, optical cable line terminal coupling or connection protection between optical fiber or jumper of optical cable.

电力光缆接头盒根据光缆使用环境分为杆用及塔用。根据外壳材料不同，又分金属型和非金属型(塑料)

1) 塑料接头盒用于ADSS与ADSS光缆接续和分支保护；

2) 金属接头盒与塑料接头盒相比，在机械强度、密封性，耐腐蚀性等更具有明显的优点。可重复开启、扩容、维修、复接等。通常用于OPGW光缆。

Electric power optical cable connection box has pole type or tower type according to operating environment.It has metal type and non-metal type(plastic)according to difference casing material.

1)Plastic connection box is used in splicing and branch protection of ADSS and ADSS optical cable.

2)Compare with the plastic connection box,metal connection box has obvious advantages ,such as mechanical strength, sealing property and corrosion resistance,It could repeating open,dilatation,maintenance and incremental connection etc.It is used in OPGW optical cable generally.

中间接头盒产品 (Photograph of Joint Box)

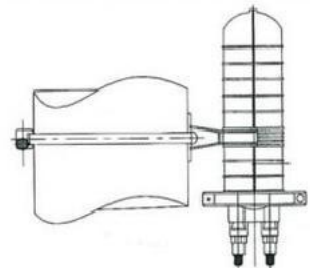


炮弹型塑料接头盒
Cap-type Plastic Closure

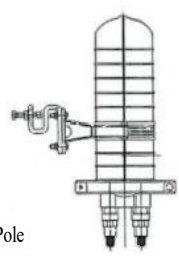


炮弹型金属接头盒
Cap-type Metal Closure

塑料接头盒安装示意图 (Installation sketch map of plastic closure)

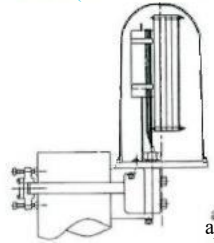


a)ADSS杆用炮弹型塑料接头盒
Cap-type Plastic Closure for Pole

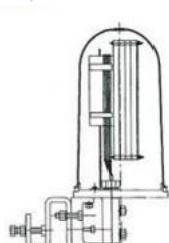


b)ADSS塔用炮弹型塑料接头盒
Cap-type Plastic Closure for Tower

金属接头盒安装示意图 (Installation sketch map of metallic closure)



a)ADSS杆用炮弹型金属接头盒
Cap-type Metal Closure for Pole



b)ADSS塔用炮弹型塑料接头盒
Cap-type Metal Closure for Tower

中间接头盒产品规格型号 (Specification of joint box)

ADSS光缆炮弹型接头盒型号规格 (Specification of joint box for ADSS cable)

名称Item	规格Type	重量Weight (kg)	备注Remark
ADSS光缆杆用接头盒 ADSS Cable Closure for Pole	PJS NI N2-G	1.8	塑料Plastic
ADSS光缆塔用接头盒 ADSS Cable Closure for Tower	PJS NI N2-T	1.8	塑料Plastic

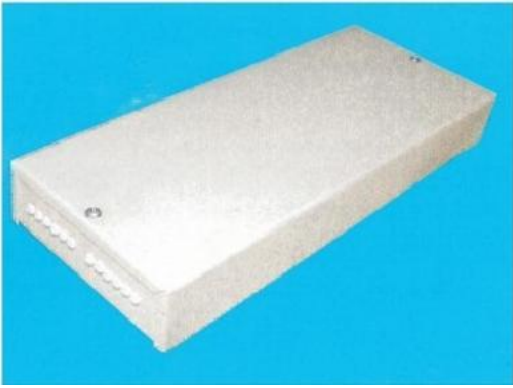
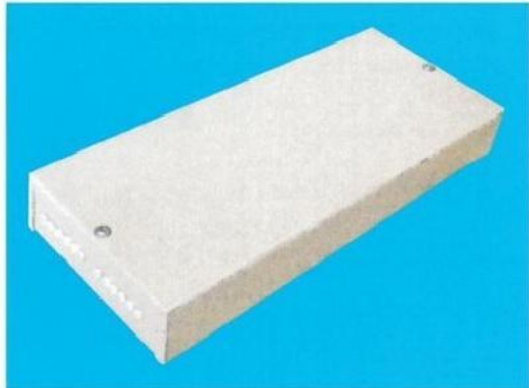
注 (Note) :
NI—端口数，最大5个(cable Ports,less than 5) N2—光缆芯数(fiber number)

炮弹型金属接头盒规格 (Specification of metal closure)

名称Item	规格Type	重量Weight (kg)	外壳材料Material	备注Remark
杆用炮弹型金属接头盒 Cap-type Metal Closure for Pole	PJJ NI N2-G	6.7	铝合金 (AA)	可用于ADSS和OPGW Can be used to ADSS&OPGW
塔用炮弹型金属接头盒 Cap-type Metal Closure for Tower	PJJ NI N2-T	6.7	铝合金 (AA)	可用于ADSS和OPGW Can be used to ADSS&OPGW

注 (Note) :
NI- 端口数，最大5个(cable Ports,less than 5)N2—光缆芯数(fiber number)G—杆用(Use for Pole) T- 塔用(Use for Tower)

终端盒产品示意图 (Sketch Map of Terminal Box)



终端盒型号规格 (Specification of Terminal box)

名称Item	规格Type	光纤容量(芯)Core No	重量Weight (kg)	外壳材料Material
终端盒Terminal box	GPZ**	**	0.96	钢Steel

注 (Note) : **——光缆芯数(Fiber number)

产品与技术参数Products and technical paraeters”

余 缆 架

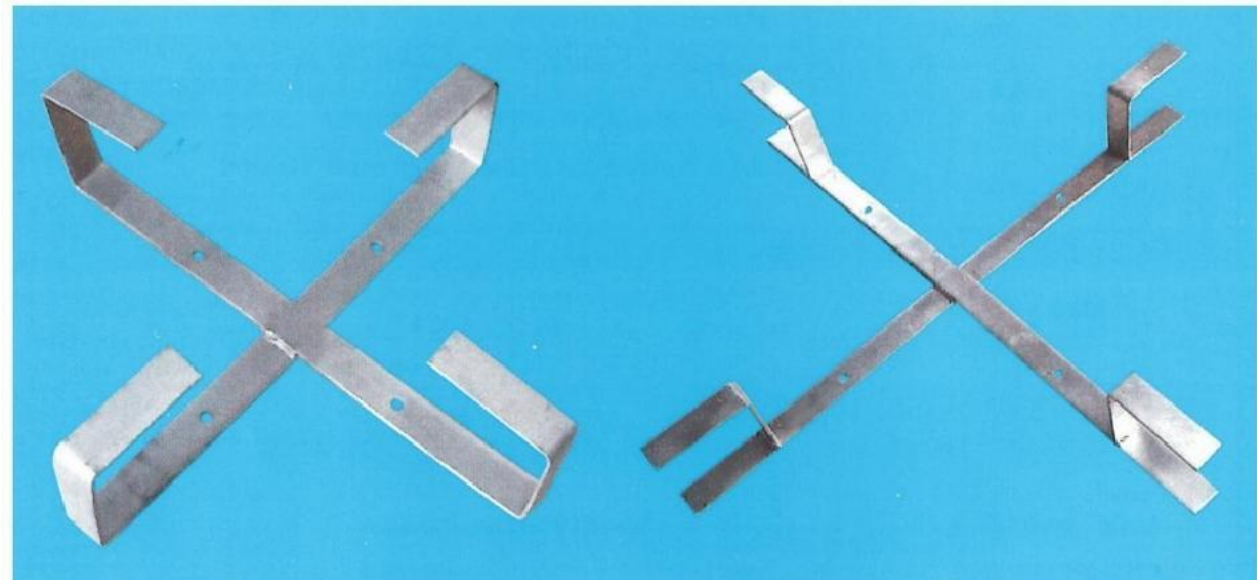
Cable Storage Assembly

产品用途及特点(Usage and characteristics)

余缆架的作用是在接续杆塔(杆)上存放预留的光缆，一般在耐张塔(杆)上使用。

The rest cable stand is used in collecting reseved optical cable on the connecting tower(pole),on strain tower(pole)generally

产品示意图(Sketch map)



产品型号及规格(Specification)

余缆架型号规格 (Specification of cable storage assemble)

产品规格 Type	型号 Type	主要参数Dimension		配置 Collocation	适用光缆类型 Suitable Cable type
		光缆直径 Diameter (mm)	参考重量 Weight (kg)		
塔用余缆架 Cable Storage Assembly for Tower	TJY****-T	0000	4.5	小夹板 Small clamp	适用于ADSS 和OPGW光缆
杆用余缆架 Cable Storage Assembly for Pole	TJY***-H*	0000	6.5	杆用支座 pillar for pole	适用于ADSS 和OPGW光缆

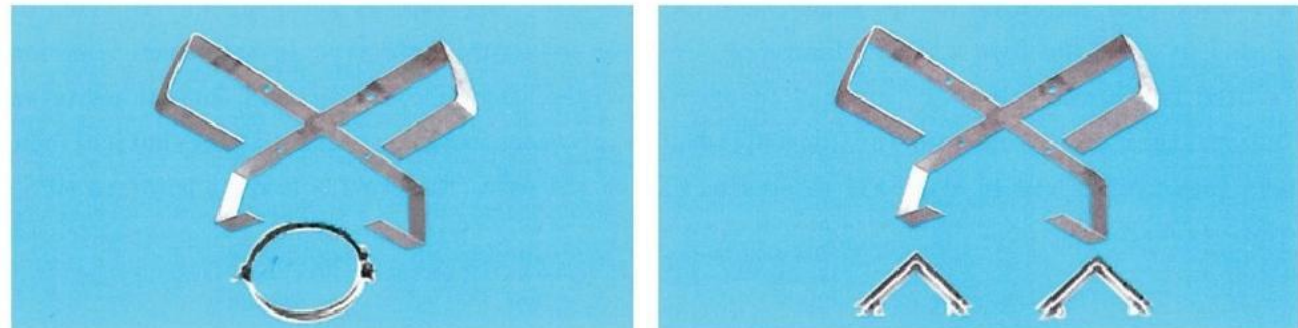
说明 (Note):

- 1、T—表示塔用 (Use for Tower) H—表示杆用 (Use for Pole)
H*- 杆用钢带尺寸，见P32余缆架用杆用支座规格表(Pillar for Pole,Ref.P32,specification of pillar for pole)
- 2、当余缆架用于铁塔上安装，配两副小夹板。(It collocate two pair clamps when cable storage assembly install at tower)
当余缆架用于电杆上安装，配两套杆用支座。(It collocate two pair pillars when cable storage assembly install at pole)
- 3、0000—光缆缆径 (Cable diameter)

余缆架用杆用支座、小夹板(Accessories of Cable Storage Assembly)

用途：杆用支座起到将余缆架固定在杆上的作用；小夹板起到将余缆架固定在铁塔上的作用。

Use:The pole seat could fix the reamining cable stand on the pole;small splint could fix the remaining cable stand on the iron tower



a) 杆用支座Pillar for pole

b) 小夹板Small clamp

余缆架用杆用支座规格 (Specification of pillar for pole)

产品名称Name	型号 Type	适用杆径 Pole Dia. (mm)	重量 weight (kg)	材料Material
杆用支座 Pillar for Pole	H1	150-310	0.48	不锈钢带 Stainless Steel Strip
	H2	311-460	0.52	
	H3	461-600	0.57	
	H4	601-800	0.62	
	H5	801-1000	0.72	

小夹板规格(Specification of small Clamp)

产品名称Name	型号Type	适用铁塔角钢尺寸 (mm)	重量Weight (kg)	材料Material	备注Remark
小夹板 Small Clamp	TJB***	70~150	1.2	热镀锌钢 galvanized steel	

注：***--铁塔角钢尺寸，如无特别说明一般用YJB-70

Note:***--Angle Iron Dimesion for Steel Tower.If there is no special request,it may use YJB-70 generally

产品与技术参数Products and tochmical parameters~

紧固夹具
Immobility Clamp

产品用途及特点 (Usage and characteristics)

紧固夹具主要起到将各类线夹固定或连接在铁塔或杆上的作用。根据线路特点，紧固夹具分杆用和塔用俩种。塔用的为金属夹板，在不破坏原有铁塔强度的前提下将各类线夹固定在铁塔上。杆用的为抱箍。
耐张夹板用于转角塔或终端塔，为ADSS光缆架设提供挂点。直线夹用于直线塔，为ADSS光缆架设提供挂点. 抱箍用于耐张、悬垂线夹在杆上的固定，为ADSS光缆架设提供挂点。

The fastening clamp could fix or connect different clamps on the steel tower or pole.It has pole type and tower type according to the lines characteristics.The tower type is metal splint,it fixes different clamps on the iron town without damage of iron tower strength.Pole type is hold hoop.Tension splint is used for corner tower or terminal tower,it provides hanging point to ADSS optical cable erection.The stright splint is used for tanent tower,it provides hanging point to ADSS optical cable.The hould hoop fix the strain clamp and suspension clamp on the pole,and provide hanging point to ADSS optical cable erection.

产品示意图 (sketch map)



产品型号及规格 (Specification)

塔用夹板的产品型号规格 (Specification of Clamp for tower)

名称 Item	产品规格 Type	用于光缆挂点位置主材尺寸 Dimension of main stand for cable fixing location	参考重量 Ref.Weight (kg)	材料 Material	破坏载荷 Devastating Load (KN)
直线夹板 Straight Clamp	TZX 070080	≤80mm	3.55	镀锌钢 galvanized steel	70
	TZX 070100	81-100mm	3.85		70
	TZX 070125	101-125mm	4.15		70
	TZX 070145	126-145mm	4.45		70
	TZX 070165	146-165mm	4.85		70
	TZX 070200	166-200mm	5.01		70
耐张夹板 Tension Clamp	TZJ 100080	≤80mm	2.89		100
	TZJ 100100	81-100mm	3.19		100
	TZJ 100125	101-125mm	3.56		100
	TZJ 100145	126-145mm	3.86		100
	TZJ 100165	146-165mm	5.43		100
	TZJ 100200	166-200mm	6.11		100

杆用抱箍的型号及规格 (Specification of Hoop)

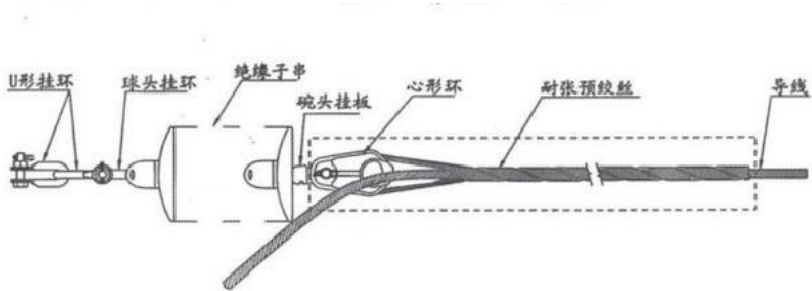
名称 Item	型号 Type	安装位置直径 Diameter of fixing locations	参考重量 Ref.Weight (kg)	材料 Material	破坏载荷 Devastating
抱箍 Hoop	BG 070125	101-125mm	2.3	镀锌钢 galvanized	70
	BG 070150	126-150mm	2.5		70
	BG 070175	151-175mm	2.7		70
	BG 070200	176-200mm	2.9		70
	BG 070225	201-225mm	3.2		70
	BG 070250	226-250mm	3.4		70
	BG 070275	251-275mm	4.0		70
	BG 070300	276-300mm	4.2		70
	BG 070325	301-325mm	4.4		70
	BG 070350	326-350mm	4.6		70
	BG 070375	351-375mm	4.9		70
	BG 070400	376-400mm	5.1		70
	BG 070425	401-425mm	5.3		70
	BG 070450	426-450mm	5.5		70
	BG 070475	451-475mm	5.7		70
	BG 070500	476-500mm	6.0		70
	BG 070525	501-525mm	6.2		70
	BG 070550	526-550mm	6.4		70
	BG 070575	551-575mm	6.6		70
	BG 070600	576-600mm	6.8		70
	BG 070625	601-625mm	7.1		70
	BG 070650	626-650mm	7.3		70
	BG 070675	651-675mm	7.5		70
	BG 070700	676-700mm	7.7		70
	BG 070800	701-800mm	8.7		70
	BG 070900	801-900mm	9.7		70
	BG 0701000	901-1000m	9.9		70

产品与技术参数Products and technical peraneters"

预绞式耐张线夹
Helical Tension Set

预绞式耐张线夹用于承受导线轴向张力。与心形环，连接金具，绝缘子等金具配套使用，将导线、地线连接至耐张杆塔上。可代替常规的螺栓型耐张线夹、压缩型耐张线夹及楔型耐张线夹。由于产品结构简单，安装方便，大大降低了施工成本，目前在国内外架空线路上得到了广泛的推广与应用。

Helical strain clamp is used in bearing axial tension of conductor,and equipped with thimble connecting fittings and insulators etc,it could connect the conductor and ground wire on the strain pole and tower.It could replace bolt strain clamp,compression-type strain clamp and wedge shape strain clamp.It has simple structure,easy installation. It reduced the construction cost.At present,it widely used in aerial lines in domestic and abroad



注：在没有特别要求的情况下，本公司产品仅包含虚线框中的构件
Note:Our company's products only include the member in dotted line circle in the event of without any special requirement.

预绞式耐张线夹分为Helical strain clamp divided into
预绞式导线耐张线夹Helical conductor strain clamp
预绞式地线耐张线夹Helical earth wire strain clamp
预绞式拉线耐张线夹Helical stay wire strain clamp

产品特点Characteristics

线夹握力大安全性能高。用于钢绞线、铝绞线、钢芯铝绞线、绝缘导线等输配电线路，预绞式耐张线夹握力可达到100%绞线计算拉断力(CUTS)或 以上。

It has big grip and high safety performance.It used in electric line of steel strand wire,aluminum strand wire, steel-core aluminum strand wire and insulated conductor etc.The grip of helical strain clamp could reach to 100% strand wire calculated dragging force at break(CUTS)or above.

预绞式线夹安装简单，便于施工，无需任何专用工具，一人便能可靠完成操作，而且安装质量易于保证，一致性 强，用肉眼即可现场检验。

Helical strain clamp has characteristics of easy installation,simple construction,no special tool rouired, good consistency,only one person could finish the operation;It is very simple to ensure the installation quality, inspect with naked eyes on the spot.

线夹耐腐蚀性好：材质与导线完全一致，保证线夹具有较强的抗电化学腐蚀的能力。
The clamp has good corrosion resistance.The material is same with conductor , which could ensure the clamp has strong anti -electrochemical corrosion capacity.

线夹采用螺旋形设计，提高了导线抗振能力，应力分布均匀，不损伤导线，延长了导线的使用寿命。
The clamp adopts spiral design,which improve the anti-vibration capacity of conductor,distribute the stress uniformly,no damage for the conductor,prolong the service life of conductor.

材料 Material

产品由镀锌钢丝、铝包钢丝等材料制造。
It is produced by galvanized steel wire and aluminum steel wire.

预绞式导线耐张线夹 (Helical Tension Set for Conductor)

钢芯铝导线用预绞式耐张线夹选型表Selection of Helical Tension Set for ACSR Conductor

公司产品 型号 Type	对应DL/T763-2001 标准型号 Standard DL/T 763-2001 Reference	适用钢芯铝绞 线直径范围 Available Dia. of Conductor (mm)	钢芯铝绞丝 LGJ/LGJF型号 Suitable Conductor ACSR	线夹长度 Clamp Length (mm)	色 标 Color C0de	重量 Weight (kg)	配套金具 Fitting
DN 1110	NL-16/3	5.17-5.79	16/3	450	绿Green	0.12	TC-05
DN 1111	NL-25/4	6.54-7.34	25/4	560	红Red	0.12	
DN 1112	NL-35/6	7.35-8.26	35/6	630	黄Yellow	0.2	
DN 1114	NL-50/8	9.26-10.39	50/8	690	黑Black	0.25	
DN 1115	NL-70/10	10.40-11.68	70/10	750	蓝Blue	0.42	
	NL-50/30		50/30				
DN 1117	NL-70/40	13.12-14.66	70/40	890	绿Green	0.62	TC-07
	NL-95/15		95/15				
	NL-92/20		95/20				
	NL-120/7		120/7				
DN 1118	NL-120/20	14.67-16.59	120/20	900	红Red	0.81	TC-12
	NL-95/55		95/55				
	NL-120/25		120/25				
	NL-150/8		150/8				
DN 1119	NL-150/20	16.60-18.77	150/20	1030	黄Yellow	1.13	
	NL-120/70		120/70				
	NL-150/25		150/25				
	NL-150/35		150/35				
	NL-185/10		185/10				
DN 1120	NL-185/25	18.78-21.26	185/25	1170	黑Black	1.8	
	NL-185/30		185/30				
	NL-210/10		210/10				
	NL-185/45		185/45				
	NL-210/25		210/25				
	NL-210/35		210/35				
	NL-210/50		210/50				
DN 1121	NL-240/30	21.27-24.05	240/30	1280	蓝Blue	2.4	TC-16
	NL-240/40		240/40				
	NL-240/55		240/55				
	NL-300/15		300/15				
	NL-300/20		300/20				
DN 1122	NL-300/25		300/25	1820	绿Green	3.9	
	NL-300/40		300/40				
	NL300/50		300/50				

产品与技术参数Products and technical araneters》

预绞式耐张线夹

Helical Tension Set

铝绞导线用预绞式耐张线夹选形表							
Selection of Helical Tension Set for Aluminum Stranded Conductor							
公司产品 型号 Type	对应/T763-2001 st ⁷ /T Reference	适用钢芯铝绞 线直径范围 Available Dia. of Conductor (mm)	钢芯铝绞线 Sui table Conductor ACSR	线夹长度 Length (mm)	色标 Color Code	重量 Weight (kg)	配套金具 Fitting
DN 1113	NL-50/LJ	8. 27-9. 25	50	690	绿green	0. 26	TC-05
DN 1115	NL-70/LJ	10. 40-11. 68	70	750	蓝blue	0. 4	
DN 1116	NL-95/LJ	11. 69-13. 11	95	810	黑black	0. 4	
DN 1117	NL-120/LJ	13. 12-14. 66	120	890	绿green	0. 6	TC-07
DN 1118	NL-150/LJ	14. 67-16. 59	150	900	红red	0. 8	TC-12
DN 1119	NL-185/LJ	16. 60-18. 77	185	1030	黄yellow	1. 1	
DN 1119	NL-210/LJ	16. 60-18. 77	210	1030	黄yellow	1. 1	
DN 1120	NL-240/LJ	18. 78-21. 26	240	1170	黑black	1. 8	TC-16
DN 1121	NL-300/LJ	21. 27-24. 05	300	1280	蓝blue	2. 4	
DN 1122	NL-400/LJ	24. 06-27. 20	400	1820	绿green	3. 9	

备注：表中未涵盖公司所有产品，如有需要请与本公司联系
Remark:Not all products liseted in the form Please contact our company if you have any requirement

绝缘导线用预绞式耐张线夹选型表Selection of Helical Tension Set for Insulated Conductor

公司产品 型号 Type	对应DL/T763-2001 标准型号 Standard DL/T 763-2001 Reference	适用钢芯铝绞 线直径范围 Available Dia. of Conductor (mm)	1kv以下适用 导线型号 Suitable cable≥1kv	10kv 以下适用 导线型号GB 14049-93		线夹长度 Clamp Length (mm)	色标 Color Code	重量 Weight (kg)	配套金具 Fitting
				Suitable	cable≤10kv				
				薄绝缘 Thin insulation	营通绝缘 Insulation				
DN 1211		5. 82-6. 53	10			470	绿Green		TC-05
DN 1212		6. 55-7. 34	16			540	蓝Blue		
DN 1213		8. 28-9. 25	25			700	黑Black		
DN 1214		9. 26-10. 39	35			700	红 R e d	0. 47	
DN 1215		10. 40-11. 68	50			760	蓝Blue	0. 47	
DN 1216		11. 69-13. 11	70	35	16	800	绿Green	0. 51	
DN 1217		13. 12-14. 66		50		870	红 R a d	0. 74	
DN 1218	L-56M	14. 67-16. 59	9250	95	35 50	900	蓝Blue	0. 8	
DN 1219	NL-70/JY	16. 60-18. 77	150	120	70	990	红Red	1. 1	
DN 1220	NL-95/JY NL-120/JY	18. 78-21. 26	185	150	95 120	1020	黑Black	1. 6	TC-07
DN 1221	NL-150/JY	21. 27-24. 05	240	185	150	1020	蓝Blue	1. 85	TC-12
DN 1222	NL-185/JY NL-240/JY	24. 06-27. 20		240 300	245	1020	黄Yellow	2. 2	
DN 1223	NL-300/JY	27. 21-30. 78			300	1030	绿Green	3. 1	

备注：表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:Not all products listed in the form.Please contcatour company if you any requirement

预绞式地线耐张线夹(Helical Tension Set for Ground Wire)

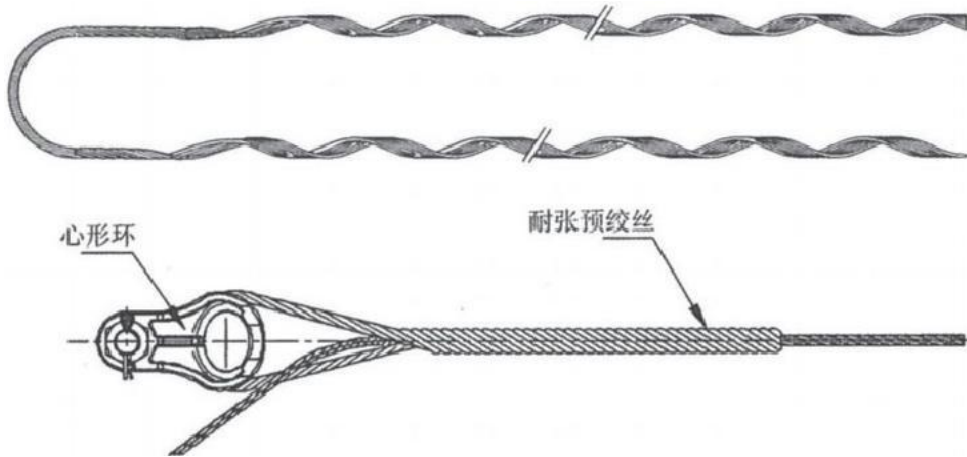
用于架空线路的地线耐张杆塔上的固定；设计独特，结构简单，安全可靠，可代替常规的螺栓型耐张线夹、压缩型耐张线夹及楔型耐张线夹。与配套的心型环及其他连接金具一起固定在耐张杆塔上。

It is used in fixing the ground wire on strain tower of aerial line.It has characteristics of unique design,simple structure and safety and reliable.It could replace routine bolt strain clamp,compression-type strain clamp and wedge shape strain clamp.It could be equipped with thimble and other connecting fittings on strain pole and tower.

地线耐张线夹分为Earth wire strain clamp divided into

镀锌钢绞线用预绞式地线耐张线夹Helical earth wire strain clamp for galvanized steel stranded wire

铝包钢绞线用预绞式地线耐张线夹Helical earth wire strain clamp for aluminum steel stranded wire



材料 Material

产品 由镀锌钢丝、铝包钢丝等材料制造。
It is produced by galvanized steel wire and aluminum clad steel wire.

产品特点Characteristics

线夹握力大，安全性能高。用于镀锌钢绞线和钢包钢绞线等地线的安装，预绞式耐张线夹握力可达到100%绞线计算拉断力(CUTS)或以上。

It has big grip and high safety performance.It used in the installation of ground wire,such as galvanized steel strand wire and steel clad steel strand wire.The grip of helical strain clamp could reach to 100%strand wire calculated dragging force at break(CUTS)or above.

预绞式线夹安装简单，便于施工，无需任何专用工具，一人便能可靠完成操作，而且安装质量易于保证，一致性强，用肉眼即可现场检验。

Helical strain clamp has characteristics of easy installation,simple construction,no special tool required, good consistency,only one person could finish the operation; It is very simple to ensure the installation quality,inspect with naked eyes on the spot.

线夹耐腐蚀性好：材质与地线完全一一致，保证线夹具有较强的抗电化学腐蚀的能力。线夹采用螺旋形设计，提高了线路抗振能力，应力分布均匀，不损伤线路，延长了线路的使用寿命。

The clamp has good corrosion resistance.The material is same with conductor, which could ensure the clamp has strong anti-electrochemical corrosion capacity.The clamp adopts spiral design,which improve the anti-vibration capacity of conductor,distribute the stress uniformly,no damage for the conductor, prolong the service life of conductor.

产品与技术参数Products and technical paurameters一

预绞式耐张线夹

Helical Tension Set

钢绞线地线用预绞式耐张线夹选型表

Selection of Helical Tension Set for Stranded Galvanized steel Ground Wire

公司产品型号 Type	对应DL/T763-2001 标准型号 Standard DL/T Renfeience	适用钢芯率绞丝 直径范围 Available Dia.of Conductor (mm)	适用地线类型 Suitable Ground wire (YD/T5004- 1993) (mm)	线夹长度 Clamp Length (mm)	色 标 Color Code	重量 Weight (kg)
DN 2410	NL-25/G	6. 60	25	636	黄Yellow	0. 2
DN 2411	NL-35/G	7. 65-7. 95	35	712	黑Black	0. 3
DN 2412	NL-50/G	8. 95-9. 30	50	903	绿Green	0. 55
DN 2413	NL-70/G	10. 82-11. 10	70	1020	蓝Blue	0. 85
	NL-80/G	11. 4-11. 8	80	1160	黑Black	0. 9
DN 2414	NL-95/G	12. 50	95	1330	红Red	1. 7
DN 2415	NL-100/G	13. 00	100	1330	绿Green	1. 71
DN 2416	NL-120/G	14. 00	120	1460	蓝Blue	2. 2

备注：表中未涵公司所有产品，如有需要请与本公司联系。

Remark:Not all products listed in the form.Please contact our company if you have any requirement

铝包钢绞线地线用预绞丝耐张线夹选型表

Selection of Helical Tension Set for concentric-lay-stranded Aluminum-clad Steel Ground Wire

公司产品 型号 Type	对应DL/T763-2001标准型号 Standard DL/T763-2001 Reference	适用钢芯铝绞丝直径范围 Available Dia.of Conductor (mm)	线夹长度 Clamp Length (mm)	色标 Color Code	重 量 weight (kg)
DN 0585		5. 56-5. 85	530	蓝Blue	0. 1
DN 0600		5. 86-6. 0	530	绿Green	0. 15
DN 0628		6. 01-6. 28	610	黄Yellow	0. 17
DN 0650		6. 29-6. 56	550	黑Black	0. 17
DN 0684		6. 57-6. 84	580	紫Purple	0. 18

铝包钢绞线地线用预绞式线夹选型表

Selection of Helical Tension Set for Concentric-lay-stranded Aluminum-clad Steel Ground Wire

公司产品 型号 Type	对应DL-T763-2001标准型号 Standard DL-T763-2001 Refeience	适用钢 芯 铝 绞 丝 直 径 范 围 Available Dia. of Conductor (mm)	线夹长度 Clamp Length (mm)	色 标 Color Code	重量 Weight (kg)
DN 0712		6. 85-7. 12	620	红Red	0. 26
DN 0740		7. 13-7. 4	620	蓝Blue	0. 27
DN 0767		7. 41-7. 67	630	绿Green	0. 29
DN 0795		7. 68-7. 95	660	黄Yellow	0. 31
DN 0823		7. 96-8. 23	660	黑Black	0. 32
DN 0854		8. 24-8. 54	660	紫Purple	0. 34
DN 0869		8. 55-8. 69	740	红Red	0. 38
DN 0902		8. 71-9. 02	760	蓝Blue	0. 45
DN 0925		9. 03-9. 25	810	绿Green	0. 5
DN 0963		9. 26-9. 63	800	黄Yellow	0. 51
DN 1001		9. 64-10. 01	840	黑Black	0. 54
DN 1039		10. 02-10. 39	880	紫Purple	0. 65
DN 1082		10. 40-10. 82	920	红Red	0. 69
DN 1123		10. 83-11. 23	950	蓝Blue	0. 75
DN 1166		11. 24-11. 66	990	绿Green	0. 81
DN 1204		11. 67-12. 04	1010	黄Yellow	0. 85
DN 1255		12. 05-12. 55	1030	黑Black	1. 01
DN 1308		12. 56-13. 08	1130	紫Purple	1. 14
DN 1361		13. 09-13. 61	1210	红Red	1. 5
DN 1410		13. 62-14. 10	1250	蓝Blue	1. 5
DN 1418		14. 11-14. 48	1270	绿Green	1. 5
DN 1501		14. 49-15. 01	1290	黄Yellow	1. 5

备注：表中未涵盖公司所有产品，如有需要请与本公司联系。

Remark:Not all products listed in the form.Please contact our company if you have any requirement

预绞式拉线耐张线夹(Helical Tension Set for Guy)

预绞式拉线耐张线夹用于固定杆塔、铁塔、微波塔等拉线，产品设计独特，结构简单。预绞丝双腿绞合形成空管，空管缠绕在拉线上时即可产生强握紧力，安全可靠，可替代目前在线路塔杆上常用的固定拉线的楔形线夹U-T线夹等，与配套的心型环及其他连接金具一起使用，以固定在地锚或塔杆上。

Helical strain clamp is used in fixing stay wire on pole town,steel tower and microwave tower etc.It has unique design and simply structure.The helical rods twisted and formed blank pipe,which twisted on the stay wire,so it produces strong grip,it is safe and reliable.It could replace current comon wedge clamp,U-T clamp for fixing stay wire on the line tower. It could be used with heart ring and other connecting fittings together for fixing on ground anchor or tower pole.

鸡心环 拉线耐张线夹

产品与技术参数Products and technical parameters

预绞式耐张线夹

Helical Tension Set

材料Material

产品有镀锌钢丝、铝包钢丝等材料制造。
It is mabe of galvanized steel wire and aluminum steel wire.

产品特点Characteristics

线夹握力大，安全性能高. 用于镀锌钢绞线等地线的安装，预绞式耐张线夹握力可达到100%绞线计算拉断力 (CUTS)或以上
It has big grip and high safety performance.It used in the Installatlon ol ground wire,such as galvanized steel strand wire and steel clad steel strand wire.The grip of helical strain clamp could reach to 100% strand wire calculated dragging force at break(CUTS)or above.

预绞式线夹安装简单，便于施工，无需任何专用工具，一人便能可靠完成操作，而且安装质量易于保证，一致性强，用肉眼即可现场检验。
Helical strain clamp has characteristics of easy installation,simple construction,no special tool required,good consistency,only one person could finish the operation;It is very simple to ensure the installation quality,inspect with naked eyes on the spot.

线夹耐腐蚀性好：材质与地线完全一致，保证线夹具有较强的抗电化学腐蚀的能力。
The clamp has good corrosion resistance. The material is same with conductor,which could ensure the clamp has strong anti electrochemical corrosion ceapacity.

通用性强：可与多种金具配套使用，是解决大拉线的最佳选择。
It has strong applicability It could be used with many kinds of fittings together.It is the best choice for solving big stay wire.

钢绞丝地线用预绞式耐张线夹选型表
Selection of Helical Tension Set for Stranded Calvanized steel Ground Wire

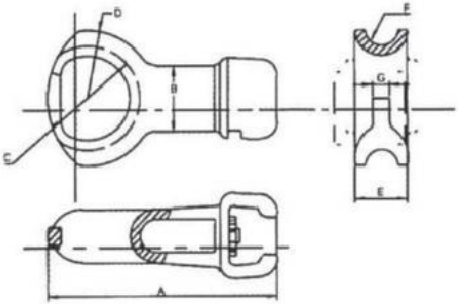
公司产品型号 Type	对应DL/T763-2001 标准型号 Standard Reference	适用钢芯铝绞丝线 直径范围 Available Dia.of Conductor (mm)	适用地线类型 Suitable Ground wire (YD/T5004- 1993) (mm)	线夹长度 Clamp Length (mm)	色标 Color Code	重量 weight (kg)
DN 2410	NL-25G	6.60	25	640	黄Yellow	0.2
DN 2411	NL-35/G	7.65-7.95	35	720	黑Black	0.3
DN 2412	NL-50/G	8.95-9.30	50	910	绿Green	0.55
DN 2413	NL-70/G	10.82-11.10	70	1020	蓝Blue	0.85
	NL-80/G	11.4-11.8	80	1160	蓝Blue	0.85
DN 2414	NL-95/G	12.50	95	1330	红Red	1.7
DN 2415	NL-100/G	13.00	100	1330	绿Green	1.71
DN 2416	NL-120/G	14.00	120	1460	蓝Blue	2.2

备注：表中未涵公司所有产品，如有需要请与本公司联系
Remark:Not all products listed in the form.Please contact our company if you have any requirement

配套金具Fittings

碗头挂环(图1)So cket clevis(Figure 1)

本体：热镀锌球墨铸铁
螺栓：热镀锌钢制件
开口销：不锈钢/青铜
Body:hot-dip galvanizing nodular cast iron
Bolt:Hot-dip galvanizing steel work
Cotter pin Stainless steel/bronze



(图1)

碗头挂环So cket clevis

产品型号 Product model	破坏强度 Breathing strength (KN)	重量 Weight (kg)	尺寸Size(mm)						
			A	B	C	D	E	F	G
WQX-7	70	0.75	135	40	R32	R42	32	R10	10

注：碗头挂环可与XP-7型绝缘子配合使用。
Note:The so cket clevis could be used with XP-7 insulator.

注意：

- 1、不要在线夹上搭接。在线夹前后的导线上进行搭接是允许的；
- 2、不要将线夹用于夹空地线；
- 3、在初始安装之后，不要再次使用线夹；
- 4、线夹和导线的旋向应保持致。标准的线夹是右旋，如需要左旋产品 请向伟创公司咨询。

Attention：

- 1.Donr"t lapon the clamp.Lap on front and back of clamp ofconductor is permitted
2. Don't use clamp on aerial ground wire.
- 3.After the initial installation,don't reuse the clamp.
- 4.The turning director of clamp and conductor should be keep uniform standard.The standard clamp is right turning. If left turning clamp required,please consult Weichuang Company.



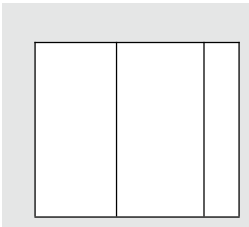
产品与技术参数Proucts and tecmical parmeters》

预绞式耐张线夹
Helical Tension Set

配套金具 Fittings

鸡心环 Thimble ring

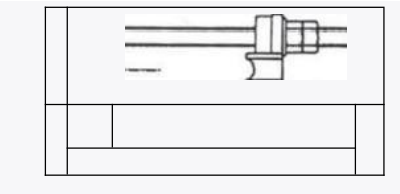
材料：热镀锌钢
Material:Hot-dip galvanized steel



鸡心环Thimble ring

产品型号 Model	主要尺寸Diems ions (mm)						垂直破断强度 Vertical Breaking Load (KN)
	A	B	c	D	h1	h2	
JXH-70	18	14	21	16	79	38	70
JXH-90	18	19	21	16	79	38	90
JXH-110	21	27	21	16	79	38	110

可调线夹Adjustavle clamp



可调线夹Adjustable clamp

产品型号 Model	适用拉线截面积 (mm²) Sectional area of suitable stay wire	尺寸Size (mm)			重量 weight (kg)
		A	B	C	
NUT-10	25.35	225	175	56	1.8
NUT-20	50.70	260	200	62	2
NUT-30	95.100	305	240	74	3.4

注：伟创公司可以根据需要配防盗螺母。
Note:Weichuang Company could provide theftproof nut according to requirement

防盗环Anti-theft ring

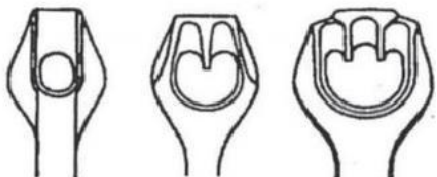


防盗环Anti-theft ring

产品型号Model	适用产品型号 Applicable product model	每100个重量 (kg) Weight of Pcs (kg)
FH-DN70	DN-10025	0.5
	DN-10035	
	DN-10050	
	DN-10070	
FH-DN100	DN-10095	1.0
	DN-10100	

可配合使用的金具配件 fittings could be used

地锚 Ground anchor



隔离绝缘子Insulator



电力预绞式悬垂线夹Helical Suspension Set for Transmission Line

预绞式悬垂线夹由预绞丝、悬垂夹及橡胶夹等组成，用于将导线固定在直线杆塔的绝缘子串上，或将地线悬挂在直线杆塔上，可替代目前线路上使用的XGU、XGF等船型悬垂线夹。

Helical suspension clamp is composed of helical rod,suspension clamp and ruber.It is used in fixing the condictor on the insulator chain of straight pole tower,or hanging the ground wire on the straight pole tower.It could replace the current used XGU,XGF ship suspension clamps on the line.

预绞式悬垂线夹利用双曲线腰鼓形减振垫包住导线，具有握力大、电晕小、重量轻、磁损小的特点，

特别适合于重冰区、大跨越线路工程。

Helical suspension clamp wrap the conductor by hyperbolic waist drum shape anti-vibration pad It has characteristics of big grip ,small corona,light weight and small magnetic damage.It is particularly suited for heavy ice area and long span line engineering.

悬垂线夹可分为Suspension clamp could be divided into

预绞式导线悬垂线夹 Helical conductor suspension clamp

预绞式地线悬垂线夹 Helicasl ground wire suspension clamp

预绞式悬垂线夹产品装配示意图 (Sketch Mop for Product Assembly)

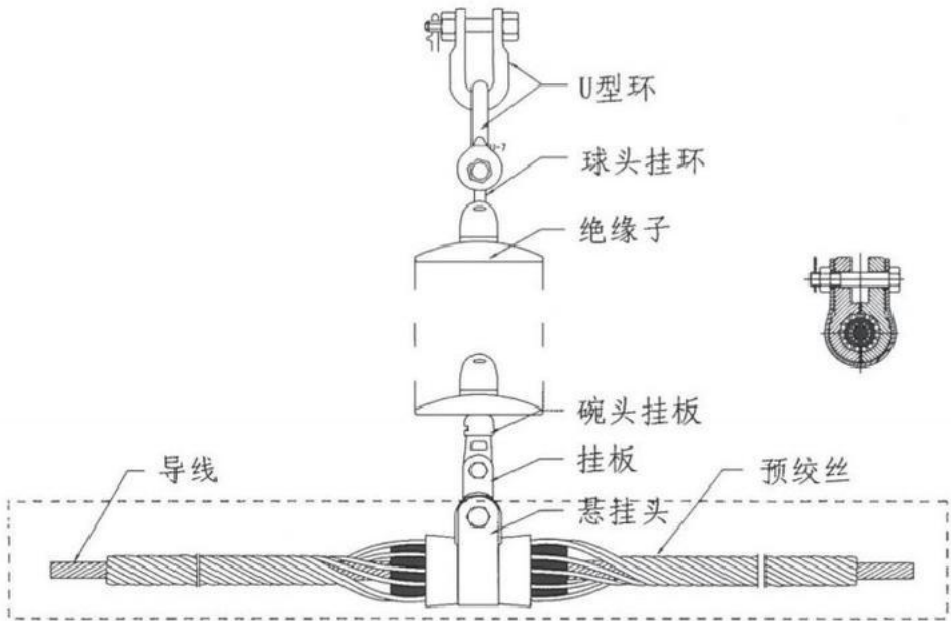


图1 单支点悬垂线夹 Single point suspension set

注：在没有特别要求的情况下，本公司产品仅包含虚线框中的构件。
Note:Our campany's products only include the member in dotted line circle in the event of without any special requirement.

产品与技术参数Products and technical araneters》

电力预绞式悬垂线夹
Helical Suspension Set for Transmission Line

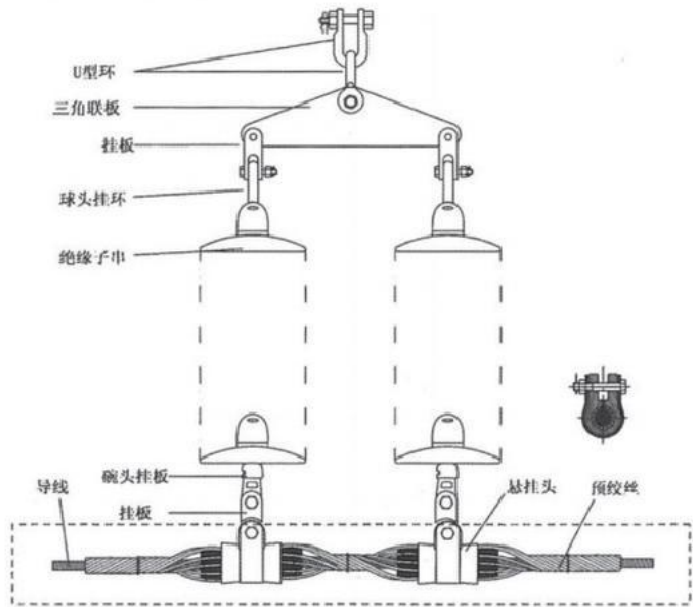


图2双支点基重线火 Double points suspension set

注：在没有特别要求的情况下，本公司产品仅包含虚线框中的构件。
Note:Our company's products only include the member in dotted line circle in the event of without any special requirement

产品特点Characteristics

与普通县虽线火相比预交式路难线夹与寻地线按独面积更大，应力分布均匀，有效破小了导线所受静态应力和微风振动引起的动态应力，避免了导线受损伤。

悬垂线夹预绞丝材料与导地线材质相符，抗腐蚀性能高，具有很好的弹性和强度，提高了导线抗疲劳特性，延长了线路的使用寿命。

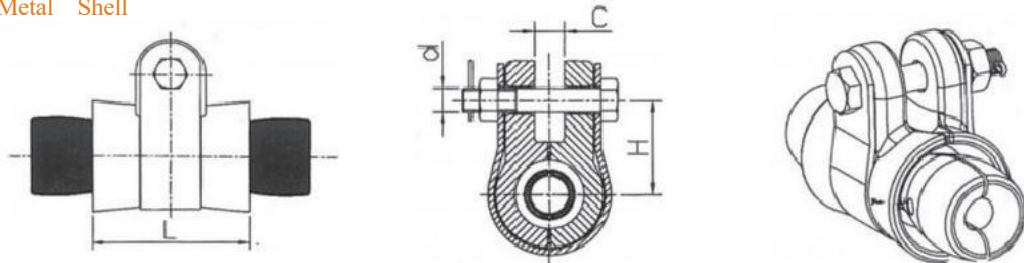
Compare with general suspension clamp, helical suspension clamp has much more contact area with conductor and ground wire, The stress distributed uni formly, which decrease static stress received by conductor effectively and dynamic stress caused from aeolian vibration, avoid damage of conductor. The material of suspension clamp helical armor rod is same with the material of conductor and ground wire, it has high anti-corrosion resistance, good elastic and strength. It improves the fatigue resistance of conductor and prolong the service life of line.

悬垂线夹预绞丝尾端磨圆处理，避免尖端放电，电气性能良好。
ounding treatment at tail end of suspension clamp helical armor rod for avoiding point discharge. It has good electric property.

特殊的结构设计，可降低电磁损耗并消除电晕放电，较传统悬垂线夹具有明显的节能特性。
Special structure design could reduce the loss of electromagnetism and eliminate the corona discharge, It has obvious property of energy-saving comparing with traditional suspension clamp.

增强了导线挂点的刚度，增大了曲率半径，单支点线夹可达300转向角，双支点线夹可达600转向角。
It enhanced the rigidity of suspension point of conductor, increase the radius of curvature, the single pivot clamp could reach steering angle of 300, the double pivots clamp could reach steering angle of 600.

金属壳套Metal Shell



悬挂头规格 Type of Suspension Shell	只要尺寸Main dimensions (mm)				重量 Weight (kg)	垂直破坏强度 Vertical Breaking load (kn)
	D	L	H	C		
HOU-80	M16	80	50	20	0.74	50
HOU-90	M16	90	50	19	0.96	60
HOU-95	M16	95	55	19	1.28	70
HOU-114	M16	114	60	22	1.70	100
HOU-125	M16	125	64	22	1.97	120
HOU-135	M16	135	68	30	2.60	130

预绞式导线悬垂线夹Helical Suspension Set for Conductor)

钢芯铝绞导线单支点/双支点用预绞式悬垂线夹选型表
Selection of Single/Double points Helical Suspension Set for ACSR Conductor

当转向角在300--600之间，或大跨越工程中，推荐使用双支点悬垂线夹直接与绝缘子串相连。
We recommand using double ponit helical suspension set connected with insulator string directly, when project is lang span or line turning anglle is between 300-600.

产品型号 Type		对应DL-T763-2001 标准型号 Stangdard DL/ T763-2001 Ref.	适用钢芯铝 绞丝直径范围 Available Dia. of Conductor (mm)	线夹长度 Clamp Length (mm)	色 标 Color Code	适用导线类型 suitable Conductor LGJ/LGJF	垂直破断强度 Breaking Load (KN)	熙套金县
A B	DX 5111 DX 5611	CL-35/6	8.03-8.31	660 970	黄Yellow	35/6	50/100	GHX-15
A B	DX 5112 DX 5612	CL-50/8	9.53-9.88	660 970	黑Black	50/8		
A B	DX 5113 DX 5613	CL-70/10	11.05-11.45	915 1230	蓝Blue	70/10		
A B	DX 5114 DX 5614	CL-50/30	11.46-11.94	920 1230	绿Green	50/30		
A B	DX 5116 DX 5616	CL-70/40 CL-95/15	13.49-13.78	1045 1350	红Red	70/40 95/15	60/120	
A B	DX 5117 DX 5617	CL-95/20	13.79-14.10	1120 1470	黄Yellow	95/20		
A B	DX 5118 DX 5618	CL-12/7	14.11-14.56	1120 1470	黑Black	120/7		
A B	DX5119 DX 5619	CL-120/20	14.57-15.10	1145 1472	蓝Blue	120/20		
A B	DX 5120 DX 5620	CL-95/55 CL-120/25 CL-150/8	15.75-16.39	1270 1680	绿Green	95/55 120/25 150/8		

产品与技术参数Products and technical paraneters

电力预绞式悬垂线夹

Helical Suspension Set for Transmission Line

产品型号 Type		对应DL-T763-2001 标准型号 Standard DL/ T763-2001 Ref.	适用钢芯铝 绞丝直径范围 Available Dia.of Conductor (mm)	线夹长度 Clamp Length (mm)	色 标 Color Code	适用导线类型 Suitable Conductor LGJ/LGJF	垂直破断强度 Breaking Load (kn)	配套金具 Fitting
A B	DX 5121 DX 5621	CL-150/20 CL-150/25	16.40-17.10	1375 1830	红Red	150/20 150/25	70/140	
	A DX 5122 B DX 5622	CL-150/35	17.11-17.54	1375 1830	黄Yellow	150/35		
A B	DX 5123 DX 5623	CL-120/70 CL-185/10	17.55-18.04	1375 1830	黑Black	120/70 185/70		
	A DX 5124 B DX 5624	CL-185/25 CL-180/30 CL-210/10		1425 1830	蓝Blue	185/25 185/30 210/10		
A B	DX 5125 DX5625	CL-185/45 CL-210/25	19.52-20.10	1525 1980	绿Green	210/35 210/50	100/200	GHX-20
A B	DX 5126 DX 5626	CL-210/35 CL-210/50	20.11-20.94	1525 1980	红Red	240/30 240/40	100/200	GHX-20
A B	DX 5127 DX5627	CL-240/30 CL-240/40	21.48-22.09	1630 2080	黄Yellow	240/55		
A B	DX 5128 DX 5628	CL-240/55	22.10-22.69	1630 2080	黑Black	300/15		
A B	DX 5129 DX5629	CL-300/15	22.70-23.05	1653 2080	蓝Blue	300/20 300/25		
A B	DX5130 DX5630	CL-300/20 CL-300/25	23.39-23.79	1680 2290	绿Green	300/40 300/50	100/200	GHX-20
A B	DX5131 DX 5631	CL-300/40 CL-300/50	23.80-24.45	1704 2293	红Red			
A B	DX 5132 DX 5632	CL-300/70	25.08-25.54	1755 2300	黄Yellow	300/70		
A B	DX5134 DX 5634	CL-400/20 CL-400/25 CL-400/35	26.43-27.29	2085 2745	黑Black			
A B	DX 5135 DX 5635	CL-400/50	27.30-27.69	2085 2745	蓝Blue	400/50	130/260	GHX-25
A B	DX 5136 DX 5636	CL-400/65	27.70-28.40	2085 2750	绿Green	400/65		
A B	DX 5137 DX 5637	CL-400/95	28.88-29.26	2085 2750	红Red	400/95		

备注：1) A-单支点(Single point);B- 双支点 (Double points)

- 2) 钢芯铝绞线单支点/双支点用预绞式导线悬垂线夹的原材料为铝包钢或铝合金线；
- 2)Raw material ofhelical conductor suspension clamp for steel-core aluminum single pivot/double-pivot is aluminum coated -steel or helical ground wire suspension clamp;
- 3)表中未涵盖公司所有产品，如有需要请与本公司联系。
- 3)Not all products listed in the form.Please contact our company if you have any requirement.

铝绞线导线单支点/双支点用预绞式悬垂线夹选型表
Selection of Single /Double points Helical Suspension Set for Aluminum Stranded Conductor

产品型号 Type		对应DL/763-2001 标准型号Standard DL/T763-2001 Reference	适用 铝 包 钢 线 直径范围 Available Dia of Conductor (mm)	线夹长度 Clamp Length (mm)	色 标 Color Code	适用良导体钢 芯铝绞线类型 Suitable Good ConductorACSR	垂直破断强度 Vertical Breaking Load (kn)	配套金具 Fitting
A B	DX 5115 DX 5615	GL-95	12.24-12.69	1020 1350	绿Green	95	60/120	GHX-15
	A DX 5117 B DX 5617	GL-120	13.79-14.10	1120 1475	黄Yellow	120		
A B	DX 5120 DX 5620	GL-150	15.75-16.39	1270 1680	绿Green	150		
A B	DX 5122 DX 5622	GL-185	17.11-17.54	1375 1830	黄Yellow	185	70/140	GHX-15
A B	DX 5124 DX 5624	GL-210	18.59-19.00	1424 1830	蓝Blue	210		
A B	DX5125 DX 5625	G1-240	19.52-20.10	1526 1990	绿Green	240	100/200	GHX-20
A B	DX 5128 DX5628	GL-300	22.10-22.69	1653 2080	黑Black	300		
A B	DX 5133 DX 5633	GL-400	25.55-25.97	2035 2740	绿Green	400	130/260	GHX-25

- 备注：1) A- 单支点(Single point);B-双 支 点(Double points)
- 2) 铝绞线单支点/双支点用预绞式导线悬垂线夹的原材料为铝合金线：
- 2)Raw material ofhelical conductor suspension clamp for aluminm strand single pivot/double pivots is aluminum alloy wire.
- 3)表中未涵盖公司 所有产品，如有需要请与本 公司联系。
- 3)Not all products listed in the form.Please contact our company if you have any requi rement.



产品与技术参数Products and technical parameters~

电力预绞式悬垂线夹
Helical Suspension Set for Transmission Line

预绞式地线悬垂线夹(Helical Suspension Set for Ground wire)

镀锌钢绞线地线单支点/双支点用预绞式悬垂线夹选型表
Selection of Single/Double points Helical suspension Set for Galvanized Stranded steel Ground wire

产品型号 Type		对应DL-T763-200 标准型号Standard DL-T763-2001 Reference	适用钢绞线 直径范围 Available Dia. of Conductor (mm)	适用导线类型 Suitable		线夹长度 Clamp (mm)	色标 Color code	破断强度 Breaking Load (kn)	鑫套 Fitting
				Conductor	GB1200-75				
A	DX 5410	CL-1/G	6.90-7.20	7.0	19w	660	黄Yellow	40/80	GHX-15
B	DX 5910	CL-1/GS				960			
A	DX 5411	CL-4/G	7.72-8.01	7.8(35)	7w	660	红Red		
B	DX 5911	CL-4/GS				960			
A	DX 5412	CL-6/G	8.32-8.69	8.4	7w	660	蓝Blue		
B	DX 5912	CL-6/GS				960			
A	DX5413	CL-7/G	8.70-9.03	9.0(50)	7w/19w	660	绿Green		
B	DX 5913	CL-7/GS				960			
A	DX5414	CL-9/G	9.53-9.89	9.6	7w	660	黑Black	40/80	GHX-15
B	DX 5914	CL-9/GS				960			
A	DX 5415	CL-10/G	9.90-10.27	10.0	19w	900	黄Yellow	50/100	
B	DX5915	CL-10/GS				1220			
A	DX 5416	CL-11/G	10.28-10.62	10.5	7w	910	红Red		
B	DX 5916	CL-11/GS				1220			
A	DX 5417	CL-12/G	10.63-11.03	11(70)	19w	900	蓝Blue		
B	DX 5917	CL-12/GS				1220			
A	DX 5418	CL-13/G	11.04-11.43	11.4	7w	900	绿Green	50/100	GHX-15
B	DX 5918	CL-13/GS				1220			
A	DX 5419	CL-15/G	11.96-12.22	12	7w/19w	900	黑Blcak		
B	DX 5919	CL-15/GS				1220			
A	DX 5420	CL-16/G	12.23-12.70	12.5(9.5)	19w	1145	红Red		
B	DX 5920	CL-16/GS				1440			

备注：1) A- 单支点(Single point);B-- 双支点 (Double points)
2) 表中未涵盖公司所有产品，如有需要请与本公司联系。
2) Not all products listed in the form.Please contact our company if you have any requirement.

铝包钢绞线地线单支点/双支点用预绞式悬垂线夹选型表
Selection of Single/Double points Helical Suspension Set for
Concentric-lay-stranded Aluminum-clad Steel Ground wire

产品型号 Type		对应DL-T763-2001 标准型号Standard Reference	适用铝包钢线 直径范围 Available Dia of Conductor (mm)	适用良导体钢芯 铝绞丝类型 Suitable Good ConductorACSR	线夹长度 Clamp Length (mm)	色标 Color Code	破断强度 Failure Load (kn)	配套金具 Fitting
A B	DX6412 DX 6912		7.48-7.70		670 980	蓝Blue	40/80	GHX-15
A B	DX6413 DX 6913		7.71-8.01		670 980	绿Green		
A B	DX6414 DX6914		8.02-8.31		670 980	黑Black		
A B	DX6415 DX6915		8.32-8.69		670 980	黄Yellow		
A B	DX6416 DX 6916		8.70-9.03		670 980	红Red		
A B	DX 6417 DX6917		9.04-9.50		670 980	蓝Blue		
A B	DX6418 DX 6918		9.51-9.89		670 980	绿Green	50/100	GHX-15
A B	DX6419 DX6919		9.90-10.27		920 1220	黑Black		
A B	DX6420 DX 6920		10.28-10.62		920 1220	黄Yellow		
A B	DX6421 DX6921		10.63-11.03		920 1220	红Red		
A B	DX 6422 DX 6922		11.04-11.43		920 1220	蓝Blue		
A B	DX6423 DX 6923		11.44-11.95		920 1220	绿Green		
A B	DX6424 DX6924		11.96-12.22		920 1220	黑Black		

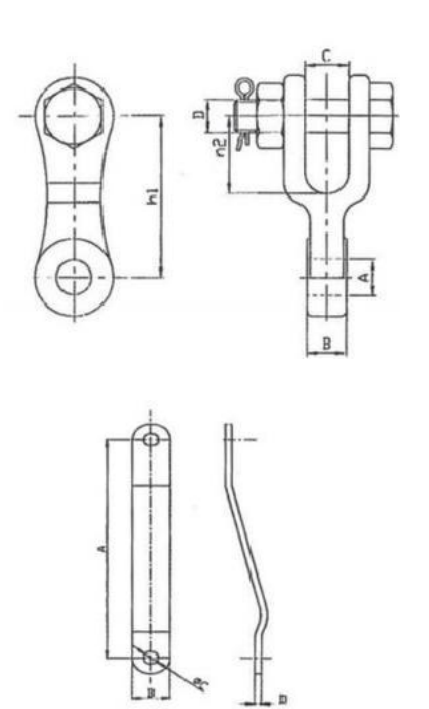
备注：1) A-单支点 (Single point);B-双支点 (Double points)
2) 铝包钢绞线单支点/双支点用预绞式导线悬垂线夹的原材料为铝包钢线：
2)Raw material of helical conductor suspension clamp for aluminum clad steel strand wire
single pivot /double pivots is aluminium-clad steel wire.
3) 表中未涵盖公司所有产品，如有需要请与本公司联系。
3)Not all products listed in the form Please contact our company if you have any requirement.

产品与技术参数Products and techmical parameters"

电力预绞式悬垂线夹

Helical Suspension Set for Transmission Line

配套金具 (Fittings)



平行拉环Parallel Ring

产品型号 Model	主要尺寸Dimensions(mm)						垂直破断强度 Vertical Breaking Load (kN)
	A	B	C	D	h1	h2	
GHX-70	18	14	21	16	79	38	70
GHX-90	18	19	21	16	79	38	90
GHX-110	18	27	21	16	79	38	110

连接板Link plate

产品型号 Model	主要尺寸 Main dimensions(mm)				破坏载荷 Breaking Load (kN)
	A	B	C	D	
LB-25	305	45	φ 18	8	110
LB-40	400	45	φ 18	8	110
LB-50	500	45	φ 18	8	110

三角挂板Triangle Link

产品型号 Model	主要尺寸Dimensions (mm)					破坏载荷 Load (k	垂直破断强度
	A	B	c	H	L		
L-1240	18	16	24	70	400	120	70
L-1250	18	16	24			120	90
L-1260	18	16	24	160	600	120	110



电力预绞式接续金具Helical Splice Fittings for Transmission Line

接续条产品分为 Splicing slip divided into

预绞式导线接续条 Helical conductor splicing

预绞式地线接续条 Helical ground wire splicing

预绞式拉线接续 Helical stay splicing

性能及特点Property and characteristics

当钢芯铝绞线外层铝线或铝导线全断时，采用导线接续条修复，可恢复100%的机械强度和电气性能。

When external layer aluminum wire of steel-cored aluminum strand wire or all aluminum conductors are broken. repair it by conductor splicing slip and 100%mechanical strength and electric property could be recovered.

钢芯铝绞线外层铝线和钢芯发生破坏时，采用钢芯铝绞线用全张力接续条，可恢复100%的机械强度和电气性能。

When external layer aluminum wire of steel-cored aluminum strand wire and steel core damaged,repair it by whole tensile force splicing for steel-core aluminum strand wire and 100%mechanical strength and electric property could be recovered

T型接续条用于插接相同线径或不同线径的导线，握力不小于导线额定拉断力的25%。

T splicing slip is used for joining conductors with same wire diameter or different diameter,the grip is not smaller than rated dragging force at break of conductor.

当钢绞线拉线/地线损伤时，采用钢绞线拉线/地线接续条修复，可恢复100%的机械强度。

When steel strand stay/grounding wire damaged,repair it by steel strand stay/ground wire splicing slid,which could recover 100%of mechanical strength.

预绞式导线接续条设计用于特定的场合，并且只能使用次，任何情况下都不能重复使用。

Helical conductor splicing designed for using in special occasion,and only use once,don't reuse it in any case.

导线在安装接续条前必须将导线表面彻底清洁打磨，去除氧化层后，将与导线相匹配的导电脂涂抹在导线表面。

Before install splicing slip,clean and polish the conductor surface completely,remove the oxide layer and coat matching conductive grease on the surface of conductor.

预绞式导线接续条(Helical Splice Rod for Conductor)

产品性能及用途Property and application

预绞式接续条用来连接导线两端，代替常规的钳压接续管和压接管，预绞式接续金具可分为导线接续条、钢芯铝绞线用全张力接续条、T型连接条、预绞式(钢绞线拉线/地线用)接续条、铝包钢绞线用接续条。每类产品依据使用环境和线路材料的不同，均有钢芯铝绞线用、铝绞线用、钢绞线用三个系列。

除钢芯铝绞线用全张力接续条外，所有接续条都为单层预绞丝：钢芯铝绞线用全张力接续条由内层钢芯接续条、填充条和外层接续条三层接续条组成。

Helical splicing is used for connecting two ends of conductor,replace the routine clamp press splicing sleeve and compression coupling pipe.Helical splicing fittings are divided into conductor splicing,whole tension splicing for steel-core aluminum strand wire,T splicing slip,helical splicing slip(for steel strand stay/ground wire)and splicing slip for aluminum coated steel strand wire.Each kind of product has thee series for steel-core aluminum strand wire,aluminum strand sire and steel strand wire according to different use environment and line material.

All splicing slip are single helical armor rod except the whole tension splicing slip for steel -core aluminum strand wire:The whole tension splicing slip for steel-core aluminum strand wire is composed of internal layer steel-core splicing slip.filling strip and external layer splicing slip.

产品示意图(Sketch map of Closure and Terminal box)

预绞式导线接续条(Helical splice rod for Conductor)



钢芯铝绞线用预绞式全张力接续条 (Heial Full Tenston splice rod for ACSR)



产品与技术参数Products and technical parameters”

电力预绞式接续金具
Helical Splice Fittings for Transmission Line

产品特点Characteristics

对于全铝、铝合金导线等单一材质的导线，预绞式接续条可完全恢复导线100%的计算拉断力。由于其内层涂覆有一层良好导电性能的导电砂，因而接续后在接续长度范围内提高了导线的导电性能。
预绞式接续条所用材料和导线一致，从而保证良好的抗腐蚀性能。
重量轻、富有弹性、抗振能力好、适应性强、使用寿命长。接续条的安装迅速、简单、方便，无需任何专用工具。
For all aluminum,aluminum alloy conductor with single material,the helical splicing slip could recover 100%calculated tensile force of conductor completely.A layer of conductive sand with good electric conductivity coated on its internal surface,so the electric conductivity of conductor improved within the range of splicing length after splicing.Material of helical splicing slip is same with conductor,so it ensures good corrosion resistance.It has advantages of light weight,elastic,good anti-vibration capacity,strong adaptability and long service life.The installation of splicing slip is rapid,easy and convenient,no special tools required.

产品选型Product selection

钢芯铝绞线用预绞式导线接续条选型表Selection of Helical Splice rod for ACSR Conductor

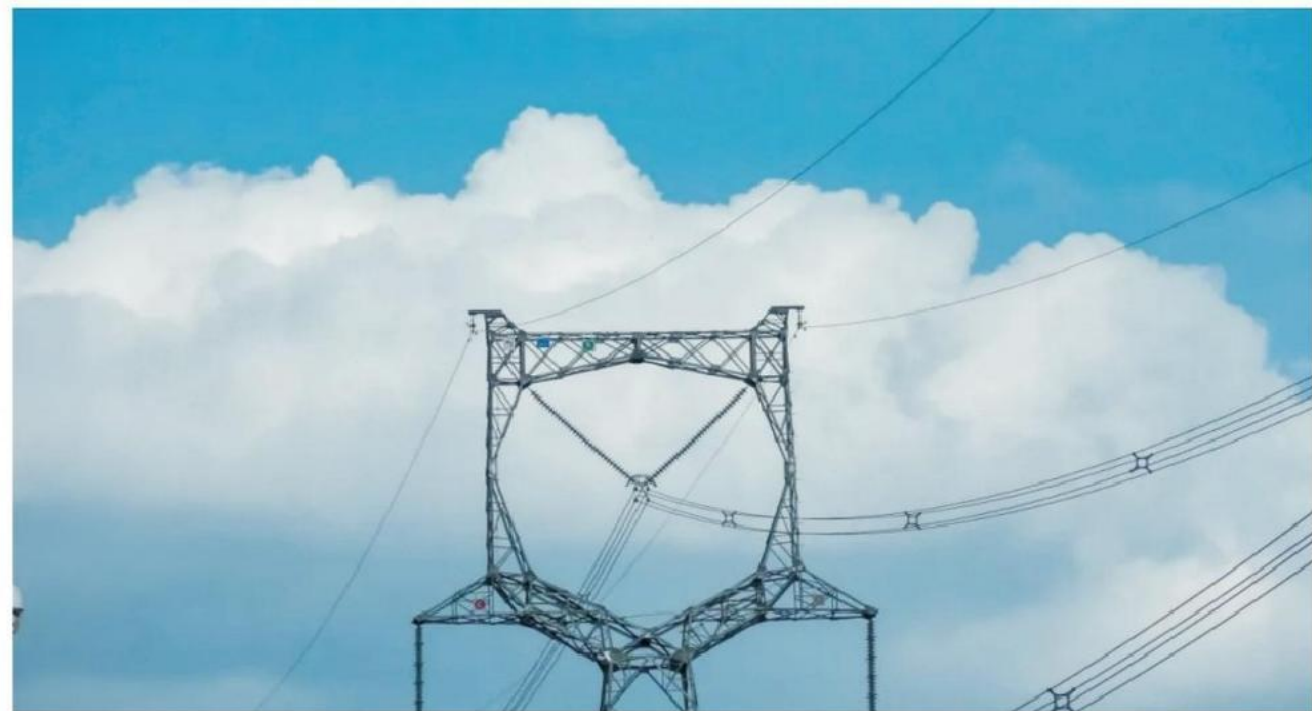
产品型号 Model	适用钢芯铝绞线直径范围 Available Conductor Dia. (mm)	适用导线类 钢芯铝绞线LGJ/LGJF GB1179-1983 (Suitable ACSR conductor)	色标 Color Code	线夹长度 Clamp Length (mm)
JX 4110	4.40-4.90	10/2	红 Red	535
JX4111	5.30-5.70	16/3	黄Yellow	580
JX 4112	6.60-7.10	25/4	蓝Blue	690
JX 4113	8.00-8.60	35/6	绿Green	795
JX 4114	9.40-9.80	50/8	黑Black	970
JX 4115	11.30-11.75	50/30, 70/10	红 Red	1070
JX 4116	13.30-13.80	90/15, 70/40	黄Yellow	1300
JX 4117	13.81-14.00	95/20	蓝Blue	1326
JX 4118	14.41-15.10	120/7, 120/20	绿Green	1550
JX 4119	15.60-16.20	120/25, 95/55, 150/8	黑Black	1700
JX 4120	16.50-17.00	150/20	红Red	1750
JX 4121	17.01-17.60	150/25, 150/35	黄Yellow	1780
JX 4122	17.80-18.20	120/70, 185/10	蓝Blue	1960
JX 4123	18.60-19.20	185/25, 185/30, 210/10	绿Green	2000
JX 4124	19.50-20.10	185/40, 210/25	黑Black	2110
JX 4125	20.20-20.96	210/40, 210/50	红Red	2135
JX 4126	21.50-21.64	240/30	黄Yellow	2180
JX 4127	21.65-22.50	240/40, 240/55	蓝Blue	2510
JX 4128	22.90-23.50	300/15, 300/20	绿Green	2670
JX 4129	23.60-24.30	300/25, 300/40, 300/50	黑Black	2745
JX 4130	24.90-25.40	300/70	红 Red	2820
JX4131	26.50-27.10	400/25	黄Yellow	3075
JX 4132	27.50-27.90	400/35, 400/50	蓝Blue	3230
JX 4133	27.91-28.20	400/65	绿Green	3480
JX4134	29.00-29.50	400/95, 500/35, 500/45	黑Black	3586
JX 4135	29.80-29.50	500/65	红 Red	3630

备注：钢芯铝绞线用预绞式导线接续条的原材料为铝合金线；表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:Raw material of helical conductor splicing for steel-core aluminum wire is aluminum alloy thread.
Not all products listed in the form.Please contat our company if you have any requirement.

铝绞线用预绞式导线接续条选型表
Selection of Helical Splice rod for Aluminum Stranded Conductors

产品型号 Type	对应 DL/T763-2001 标准型号 Standard DL/ T763-2001 reference	适用铝绞线 直径范围 Suitable Conductor Dia. (mm)	适用导线类 (GB1179-1983) Suitable Conductor	色标 Color Code	重量 Weight (kg)
			铝绞线LJ Aluminum Stranded Conductor		
JX 4311		4.91-5.13	16	红Red	560
JX4312		6.26-6.53	25	黄Yellow	660
JX 4313		7.35-8.26	35	蓝Blue	710
JX 4314		8.94-9.32	50	绿Green	860
JX 4315		10.52-10.8	70	黑Black	1020
JX 4316	JL-95/L	12.24-12.78	95	红Red	1170
JX 4317	JL-120/L	13.83-14.40	120	黄Yellow	1325
JX 4318	JL-150/L	15.72-16.36	150	蓝Blue	1708
JX 4319	JL-185/L	17.04-17.78	185	绿Green	1780
JX 4320	JL-210/L	18.53-19.30	210	黑Black	2010
JX 4321	JL-240/L	19.31-20.12	240	红 Red	2115
JX 4322	JL-300/L	21.62-22.50	300	黄Yellow	2520
JX 4323	JL-400/L	25.61-26.67	400	蓝Blue	3080
JX 4324	JL-500/L	27.72-30.05	500	绿Green	3586

备注：1. 铝绞线用预绞式导线接续条的原材料为铝合金线；
2. 表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:1.Raw material of helical conductor splicing for aluminum strand wire is aluminum alloy wire;
2.Not all products listed in the form.Please contact our company if you have any requirement.



产品与技术参数Products and tednical prnters

电力预绞式接续金具

Helical Splice Fittings for Transmission Line

铝包钢绞线用预绞式导线接续条选型表			
Selection of Helical Splice rod for Concentric-lay -stranded Aluminum-clad Steel Conductor			
产品型号Type	适用铝包钢绞线直径	色标Color Code	线夹长度ClampLength (mm)
	Suitable Steel Stranded Dia. (mm)		
JX 5410	4.42-4.60	红red	500
JX 5411	5.56-5.85	黄yellow	620
JX 5412	5.86-6.00	蓝blue	650
JX 5413	6.01-6.28	绿green	650
JX 5414	6.29-6.56	黑black	680
JX 5415	6.85-7.12	紫purple	695
JX 5416	6.85-7.12	红red	730
JX 5417	7.13-7.40	黄yellow	750
JX 5418	7.41-7.67	蓝blue	750
JX 5419	7.68-7.95	绿green	780
JX 5420	7.96-8.23	黑black	800
JX 5421	8.24-8.54	紫purple	800
JX 5422	8.55-8.86	红red	860
JX 5423	8.87-9.25	黄yellow	935
JX 5424	9.26-9.63	蓝blue	950
JX 5425	9.64-10.01	绿green	975
JX 5426	10.02-10.39	黑black	1040
JX 5427	10.40-10.82	紫purple	1060
JX 5428	10.83-11.23	红red	1290
JX 5429	11.24-11.66	黄yellow	1360
JX 5430	11.67-12.04	蓝blue	1390
JX 5431	12.05-12.55	绿green	1420
JX 5432	12.57-13.08	黑black	1470

备注：铝包钢绞线用预绞式导线接续条的原材料为铝合金线：表中未涵盖公司所有产品，如有需要请与本公司联系。

Remark:Raw material of helical conductor splicing for aluminum clad steel strand wire is aluminum alloy wire; Not all products listed in the form Please contact our company if you have any requirement.

电力预绞式接续金具Helical Splice Fittings for Transmission Line

钢芯铝绞线用全张力预绞式导线接续条选型表							
Selection of Full Tension Helical Splice rod for ACSR Conductor							
产品型号Type	对应DL/T763-2001标准型号Standard DL/T 763-2001Ref.	适用导线类型Suitable Conductor		色标Color Code	线夹长度Clamp Length (mm)		
		GB1179-1983	GB1179-74		钢Core	填充条Fill Bar	外层Outer
QT-50/8	JL-50/8	50/8	6/1	红Red	510	无Nil	1380
QJ-70/10	JL-70/10	70/10	6/1	黄Yellow	410	410	1500
QJ-70/40	JL-70/40	70/40	12/7	蓝Blue	745	无Nil	2245
QJ-95/15	JL-95/15	95/15	26/7	绿Green	510	510	1910
QJ-95/20	JL-95/20	95/20	7/7	黑Black	520	510	1730
QJ-95/55	JL-95/55	95/55	12/7	红Red	795	无Nil	2510
QJ-95/0	JL-95/0	95	28/7	黄Yellow	740	740	1885
QJ-120/20	JL-120/20	120/20	26/7	蓝Blue	510	510	2070
QJ-120/25	JL-120/25	120/25	7/7	黄Yellow	560	560	2170
QJ-120/0	JL-120/0	120	28/7	绿Green	615	615	2215
QJ-150/0	JL-150/0	150	28/7	黑Black	640	640	2390
QJ-150/20	JL-150/20	150/20	24/7	红Red	640	640	2420
QJ-150/25	JL-150/25	150/25	26/7	黄Yellow	640	640	2420
QJ-150/35	JL-150/35	150/35	30/7	蓝Blue	690	690	2470
QJ-185/30	JL-185/30	185/30	26/7	绿Green	660	660	2670
QJ-185/25	JL-185/25	185/25		黑Black	640	640	2646
QJ-185/0	JL-185/0	185	28/7	红Red	690	690	2696
QJ-210/25	JL-210/25	210/25	24/7	黄Yellow	640	640	2750
QJ-240/0	JL-240/0	240	28/7	蓝Blue	790	790	3230
QJ-240/30	JL-240/30	240/30	24/7	绿Green	690	690	3078
QJ-240/40	JL-240/40	240/40		黑Black	740	740	3080
QJ-240/0	JL-240/0	240	24/7	红Red	690	690	3130
QJ-300(1)	JL-300(1)	300(1)	24/7	黄Yellow	715	715	3410
QJ-300/25	JL-300/25	300/25	48/7	蓝Blue	640	640	3765
QJ-300/40	JL-300/40	300/40	24/7	绿Green	742	742	3435
QJ-300/0	JL-300/0	300	28/19	黑Black	1046	1046	3665
QJ-400/25	JL-400/25	400/25	45/7	红Red	640	640	4020
QJ-400/35	JL-400/35	400/35	48/7	黄Yellow	690	690	4326
QJ-400/50	JL-400/50	400/50	54/7	蓝Blue	792	792	4350
QJ-400/0	JL-400/0	400	28/19	绿Green	1172	1172	4220
QJ-500/45	JL-500/45	500/45	48/7	黑Black	790	790	4450
QJ-500/35	JL-500/35	500/35	45/7	红Red	700	700	4450
QJ-500/65	JL-500/65	500/65	54/7	黄Yellow	890	890	4730

备注：表中未涵盖公司所有产品，如有需要请与本公司联系。

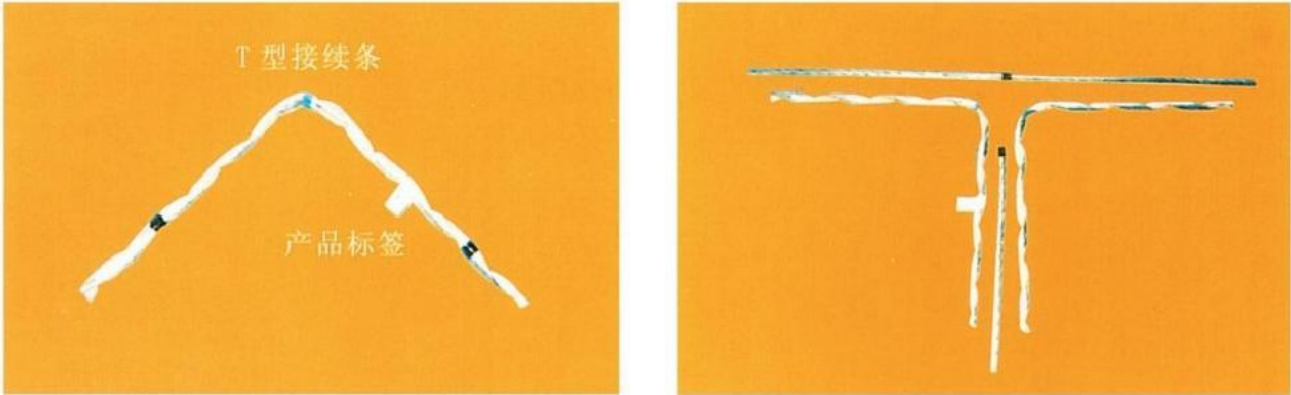
Remark:Not all products listed in the form.Please contact our company if you have any requirement.

产品与技术参数Products and techical eraneters”

电力预绞式接续金具
Helical Splice Fittings for Transmission Line

T型预绞式导线接续条(Helical T Splice rod for ACSR Conductor)

T型接续条示意图T splicing slip diagram



a)T 型接续条T Splice rod

b) 安装示意图Installation sketch map

用途Use

主要用于主导线与叉接导线的T型连接。
It is mainly used in T connection of main conductor and branch conductor.

产品特点Characteristics

T型接续条的握力不小于小直径导线额定拉断力的25%。

导电性达到小直径导线导电性能的100%。

安装方便，无需任何专用工具。

预绞丝材质与导线完全一致，具备优异的抗电化学腐蚀能力

The grip of T splicing slip is not smaller than 25%of rated dragging force at break of diameter conductor

Electrical conductivity is 100%of small diameter conductor.

Simple installation,no special tools required.

The material of helical armor rod is same with conductor,it has excellent electrochemical corrosion resistance.

重要提示Important tips

T 型接续条不得重复使用。

选配T型接续条时，必须提供相对应的主导线和叉接导线规格型号。

安 装T型接续条前，导线表面必须彻底清洁打磨，去除氧化层，并涂抹上与之相匹配的导电脂。

T splicing slip could not be reused.

When select T splicing slip,provide specification and model ofmatching main conductor and branch conductor is necessary.

Before install T splicing slip,clean and polish the conductor surface completely,remove the oxide layer and coat matching conductive grease.

钢芯铝绞线用T型预绞式接续条选型表
Selection of Helical T-Splice for ACSR Conductor

产品型号 Type	适用钢芯铝绞线 直径范围Suitable Conductor Dia. (mm)	适用导线类GB1179-1983 Suitable Conductor 钢芯铝绞线LGJ/LGJF (ACSR)	色标 Color Code	线夹长度 Clamp Length (mm)
TX 4116	8.00-8.60	35/6	红Red	585
TX 4117	9.40-9.80	50/8	黄Yellow	696
TX 4118	11.30-11.75	50/30, 70/10	蓝Blue	815
TX 4119	13.30-13.80	70/40, 90/15	绿Green	980
TX 4120	13.81-14.00	95/20	黑Black	1000
TX 4121	14.41-15.10	120/7, 120/20	红 R e d	1080
TX 4122	15.60-16.20	95/55, 120/25, 150/8	黄Yellow	1150
TX 4123	16.50-17.00	150/20	蓝Blue	1410
TX 4124	17.01-17.60	150/25, 150/35	绿Green	1480
TX 4125	17.80-18.20	120/70, 185/10	黑Black	1530
TX 4126	18.60-19.20	185/25, 185/30, 210/10	红Red	1560
TX 4127	19.50-20.10	185/45, 210/50	黄Yellow	1640
TX 4128	20.20-20.96	210/35, 210/50	蓝Blue	1710
TX 4129	21.50-22.50	240/30, 240/40, 240/55	绿Green	1860

备注：钢芯铝绞线用T型预绞式接续条的原材料为铝合金线：表中未涵盖公司所有产品，如有需要请与本公司联系。

Remark:Raw material ofT helical splicing for Steel-core aluminum strand wire is aluminum alloy wire;

Not all products listed in the form.Please contact our company if you have any requirement.

铝绞线用T型预绞式接续条选型表
Selection of Helical T-Splice rod for Aluminum Stranded Conductor

产品型号 Type	适用钢芯铝绞线 直径范围Suitable Conductor Dia. (mm)	适用导线类GB1179-1983 Suitable Conductor	色标 Color Code	线夹长度 Clamp Length (mm)
		钢芯铝绞线LGJ/LGJF (ACSR)		
TX 4315	7.35-7.60	35	红Red	585
TX 4316	8.90-9.25	50	黄Yellow	670
TX 4317	10.50-10.90	70	蓝Blue	770
TX 4318	12.25-12.75	95	绿Green	820
TX 4319	13.81-14.00	120	黑Black	1000
TX 4320	15.60-16.20	150	红Red	1150
TX 4321	17.01-17.60	185	黄Yellow	1480
TX 4322	18.60-19.20	210	蓝Blue	1560
TX 4323	19.50-20.10	240	绿Green	1640
TX 4324	21.50-22.50	300	黑Black	1860

备注：铝绞线用T型预绞式接续条的原材料为铝合金线；表中未涵盖公司所有产品，如有需要请与本公司联系。

Remark:Raw material of T helical splicing for aluminum strand wire is aluminum alloy wire;

Not all products listed in the form.Please contact our company if you have any requirement.

产品与技术参数nesndteniel

电力预绞式接续金具

Helical Splice Fittings for Transmission Line

导线接续管补强接续条选型表Selection of Helical T-Splice rod for Aluminum Stranded Conductor

产品型号 Type	钢 芯 铝 绞 线 直径范围 Conductor Dia. (mm)	适用导线类GB1179-1983(Suitable Conductor)			接续管最大长度 Length (mm)	线夹长度 Clamp Length (mm)
		钢芯铝绞线LGJ/LGF(ACSR)	铝绞线 L J	接续管类型 Type		
BJX 4216	12.24-12.78			95	JT-95L	280
BJX 4217	13.26-13.82	95/45	JT			690
BJX 4218	13.83-14.40	90/20	JT	120	JT/120L	690
BJX 4219	14.41-15.09	120/20	JY/JTB			430
BJX 4220	15.72-16.36	120/25	JY	150	JT/JY-150L	490
BJX 4221	16.37-17.04	150/20	JY/JTB			470
BJX 4222	17.05-17.78	150/25, 150/35	JY/JTB	185	JT/JY-185L	530
BJX 4223	18.53-19.30	185/25, 185/30	JY/JTB	210	JY-210L	540
BJX 4224	19.31-20.12	85/45, 210/25	JY/JTB	240	JY-240L	570
BJX 4225	20.13-20.96	210/35, 210/50	JY/JTB			600
BJX 4226	20.97-21.61	240/30	JY/JTB			570
BJX 4227	21.62-22.50	240/40, 240/55	JY/JTB	300	JY-300L	640
BJX 4228	22.51-23.60	300/10, 300/20	JY/JTD			580
BJX 4229	23.61-24.59	300/25, 300/40, 300/50	JY/JTD			660
BJX 4230	24.60-25.60	300/70	JY/JTD			720
BJX 4231	25.61-26.67	400/25	JY/JTD	400	JY-400L	660
BJX 4232	26.68-27.71	400/35, 400/50	JY/JTD			730
BJX 4233	27.72-28.87	400/65	JY/JTD			760
BJX 4234	28.88-30.05	400/95, 500/35, 500/45	JY/JTD	500	JY-500L	830

备注：接续管补强用预绞式导线接续条的原材料为铝合金线：表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:Raw material of reinforced helical splicing slip for aluminum strand conductor is aluminum alloy wire;
Not all products listed in the form.Please contact our company if you have any requirement.

预绞式地线接续条(Helical Ground Splice)

钢绞线用预绞式地线接续条选型表Selection of Helical Splice rod for Galvanized Stranded Ground Wire

产品型号Type	适用钢绞线截面积 Suitable Wire Section Area(mm²)	色标 Color Code	线夹长度 Clamp Length(mm)
DJ 10025	25	黄Yellow	1200
DJ 10035	35	红Red	1420
DJ 10050	50	蓝Blue	1600
DJ 10070	70	绿Green	1990

预绞式拉线接续条(Helical Stay wire Splice)

钢绞线用预绞式拉线接续条选型表Selectionof Helical Splice rod for Galvanized Stranded Stay wire

产品型号 Type	对应DL/T763-2001标准型号 Standard DL/T763-2001 Ref	适用钢绞线截面积 Suitable Wire Section Area(mm²)	色标 Color Code	线夹长度 Clamp Length(mm)
LJ10025	JL-25/G	25	黄Yellow	920
LJ10035	JL-35/G	35	红Red	1080
LJ10050	JL-50/G	50	蓝Blue	1230
LJ10070	JL-70/G	70	绿Green	1460

备注：铝绞线用T型预绞式接续条的原材料为铝合金线：表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:Raw material ofT helical splicing slip for aluminum strand conductor is aluminum alloy wire;
Not all products listed in the form.Please contact our company if you have any requirement.

预绞式保护金具Helical Protect Fittings

预绞式护线条(Helical Armor Rods)

产品性能及特性Helical and characteristic

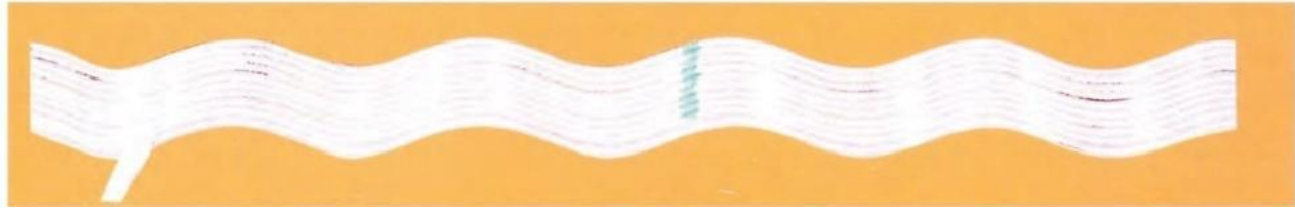
预绞式护线条具有保护及修补导线的作用。
Helical amour rod has functions of protecting and repairing conductor.
护线条安装在船型悬垂线夹中或支柱绝缘子上，用来保护导线免受振动、线夹压应力、摩擦磨损、电弧等其他损伤。
The armour rod installed on the ship suspension clamp or support insulator,for preventing damages.
such as vibration,press stress,frictional wear and electric arc of conductor.

作为修补条时，用来修补已受到损伤的导线，使它恢复原来的机械强度及导电性能。
When it used as repair rod,it could repair the damaged conductor,make it to recover its'original mechanical strength and electrical conductivity.

护线条不能作为接续条和补修条用。
The armour rods could not be used as splicing rod and repair rod.

示意图Diagram

a) 铝合金护线条Aluminum alloy armor rods



b)铝包钢护线条Aluminum Clad steel armor rods

产品特点Characteristics

护线条能分散导线所受应力，提高导线抗振能力，延长导线使用寿命。
Armour rods could disperse stress of conductor,improve the anti-vibration capacity of conductor,prolong the service life of conductor.

安装简便，无需任何专用工具，徒手便可现场安装，一个人即可完成，并且安装质量易于保证：不需训练，肉眼即可现场检验，外观简洁美观。
Simple installation,no special tools needed,you could install on-spot by hand,one person is enough.It is easy to ensure the installation quality;no training required,inspect on-sport by naked eyes.It has simple and beautiful appearance.

由于护线条紧握导线，避免了导线滑移，因而可以把导线的磨损减至最小。
As armour rod held the conductor firmly,the conductor sliding could be avoided,so it minimizes the wear for conductor.

预绞丝护线条具有紧握弹性，可保持长期不松动。
Helical armour rods have hold elastic,which could keep no looseness for long term.

通用性强，可与多种金具配套使用。
Strong universality,it could be used with many fittings together.

当钢芯铝绞线外层铝线及铝导线中有少于50%的线条发生破断时，用短护线或修补条进行修复，可恢复100%的机械强度和电气性能。
When external layer aluminum wire of steel-cored aluminum strand wire and less than 50%or wires in aluminum conductor broken,repair it by short protective line or repair rod and 100%mechanical strength and electric property could be recovered.



产品与技术参数Products and technical parameters》

预绞式保护金具

Helical Protect Fittings

钢绞线用预绞式拉线接续条选型表Selection of Helical Splice rod for Galvanized Strand Guy

标准型号 Type	适用导线Suitable Conductor		护线条线径 Armour Length (mm)	线夹长度 Clamp Length (mm)	每组根数 Rod number/set	重量 Weight (Kg)
	型号 Type	外径 Dia. (mm)				
FYH-95/15	LGJ-95/15	13.61	3.60	1400	13	0.53
FYH-95/20	LGJ-95/20	13.87				0.54
FYH-95/55	LGJ-95/55	16.00				0.62
FYH-120/7	LGJ-120/7	14.5	3.60	1400	14	0.55
FYH-120/20	LGI-120/20	15.07				0.57
FYH-120/25	LGJ-120/25	15.74				0.58
FYH-120/70	LGJ-120/70	18.00	4.60	1800	14	0.75
FYH-150/8	LGJ-150/8	16.00				0.62
FYH-150/20	LGJ-150/20	16.67				0.65
FYH-150/25	LGJ-150/25	17.10	3.60	1500	16	0.64
FYH-150/35	LGJ-150/35	17.50				0.66
FYH-185/10	LGJ-185/10	18.00				1.24
FYH-185/25	LGJ-185/25	18.90	4.60	1800	14	1.25
FYH-185/30	LGJ-185/30	18.88				1.25
FYH-185/45	LGJ-185/45	19.60				1.26
FYH-210/10	LGJ-210/10	19.00	4.60	1800	14	1.27
FYH-210/25	LGJ-210/25	19.98				1.28
FYH-210/35	LGJ-210/35	20.38				1.28
FYH-210/50	LGJ-210/50	20.86	4.60	1900	16	1.30
FYH-240/30	LGJ-240/30	21.60				1.44
FYH-240/40	LGJ-240/40	21.66				1.44
FYH-240/55	LGJ-240/55	22.40	6.30	2000	13	1.59
FYH-300/15	LGJ-300/15	23.01				2.30
FYH-300/20	LGJ-300/20	23.43				2.30
FYH-300/25	LGJ-300/25	23.76	6.30	2200	14	2.33
FYH-300/40	LGJ-300/40	23.94				2.34
FYH-300/50	LGJ-300/50	24.26				2.34
FYH-300/70	LGJ-300/70	25.20	6.30	2200	14	2.54
FYH-400/20	LGJ-400/20	26.91				2.80
FYH-400/25	LGJ-400/25	26.64				2.80
FYH-400/35	LGJ-400/35	26.82	6.30	2500	16	2.80
FYH-400/50	LGJ-400/50	27.63				2.80
FYH-400/65	LGJ-400/65	28.00				2.83
FYH-400/95	LGJ-400/95	29.14	7.80	2500	15	2.85
FYH-500/35	LGJ-500/35	30.00				3.48
FYH-500/45	LGJ-500/45	30.00				3.48
FYH-500/65	LGJ-500/65	30.96	7.80	2500	15	3.50
FYH-630/45	LGJ-630/45	33.60				5.32

标准型号 Type	适用导线Suitable Conductor		护线条径 Armour rod Dia. (mm)	线夹长度 Clamp Length (mm)	每组根数 Rod number/set	重量 Weight (Kg)
	型号 Type	外径 Dia. (mm)				
FYH-630/55	LGJ-630/55	34.32	7.80	2500	15	5.40
FYH-630/80	LGJ-630/80	34.82				5.40
FYH-800/55	LGJ-800/55	38.40				6.02
FYH-800/70	LGJ-800/70	38.58	7.80	2500	17	6.10
FYH-800/100	LGJ-800/100	38.98				6.20

备注：钢芯铝绞线用预绞式护线条的原材料为铝合金线：表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:Raw material of helical armour rods for(ACSR)is aluminum alloy wire;
Not all products listed in the form.Please contact our company if you have any requirement.



产品与技术参数Products and tehnicah pereaneters”

预绞式保护金具

Helical Protect Fittings

预绞式保护线/修补条(Helical Armor or Repair Rod)

钢芯铝绞线用预绞式护线/修补条选型表Selection of Helical Armor or Repair Rod for ACSR

产品型号Type		适用钢芯铝绞线直径范围 Available Conductor Dia. (mm)	适用导线类型钢芯铝绞线 LGJ/LGJF Suitable ACSR Conductor (GB1179-1983)	色 标 Color Code	线夹长度 Clamp Length (mm)
支点(Point)	Type				
A B	HX 3110 HX 3610	7. 85-8. 28	35/6	红Red	1180 1420
A B	HX 3113 HX 3613	9. 31-9. 88	50/8	黑Black	1270 1580
A B	HX 3116 HX 3616	11. 10-11. 76	50/30, 70/10	蓝Blue	1370 1680
A B	HX 3119 HX 3619	13. 24-14. 00	70/40, 95/15, 95/20	绿Green	1470 1780
A B	HX 3120 HX 3620	14. 01-14. 86	120/7	黄Yellow	1526 1830
A B	HX 3121 HX 3621	14. 87-15. 39	120/20	红Red	1575 1880
A B	HX 3122 HX 3622	15. 40-16. 00	95/55, 120/25, 150/8	黑Black	1626 1930
A B	HX 3124 HX 3624	16. 66-17. 25	150/20, 150/25	蓝Blue	1680 1980
A B	HX 3125 HX 3625	17. 30-17. 86	150/35	绿Green	1730 2030
A B	HX 3126 HX 3626	17. 87-18. 80	120/70, 185/10	黄Yellow	1830 2130
	HX 3127 HX 3627	18. 81-19. 86	185/25, 185/30 185/45, 210/10	红Red	1830
	HX 3128	19. 87-20. 68	210/25, 210/35	黑Black	1930
	HX 3129	20. 69-21. 46	210/50	蓝Blue	1930
	HX 3130	21. 47-23. 04	240/30, 240/40 240/55, 300/15	绿Green	1980
	HX 3131	23. 05-23. 60	300/20	黄Yellow	2030
	HX 3132	23. 61-24. 79	300/25, 300/40 300/50	红Red	2235
	HX 3133	24. 80-25. 81	300/70	黑Black	2336
	HX 3134	25. 82-26. 29		蓝Blue	2390
	HX 3135	26. 30-27. 89	400/20, 400/25 400/35	绿Green	2440
	HX 3136	27. 04-27. 89	400/50	黄Yellow	2440
	HX 3137	27. 90-28. 93	400/65	红Red	2540
	HX 3138	28. 94-29. 49	400/95	黑Black	2540
	HX 3139	29. 50-30. 68	500/35, 500/45	蓝Blue	2540

铝绞线用预绞式护线/修补条选型表

Selection of Helical Armor or Repair Rod for Aluminum Stranded Conductor

产品型号Type		适用钢芯铝绞线直径范围 Available Conductor Dia. (mm)	适用导线类型钢芯铝绞线 LGJ/LGJF Suitable ACSR Conductor (GB1179-1983)	色 标 Color Code	线夹长度 Clamp Length (mm)
支点(Point)	Type				
A B	HX 3112 HX 3612	8. 81-9. 30	50	红Red	1220 1520
A B	HX 3115 HX 3615	10. 50-11. 07	70	黄Yellow	1340 1630
A B	HX 3118 HX 3618	12. 47-13. 23	95	绿Green	1430 1730
A B	HX 3119 HX 3619	13. 24-14. 10	120	黄Yellow	1470 1780
A B	HX 3122 HX 3622	15. 40-16. 00	150	黑Black	1626 1930
A B	HX 3125 HX 3625	17. 30-17. 86	185	绿Green	1730 2030
	HX 3126	17. 87-18. 80	210	黄Yellow	1830
	HX 3129	20. 69-21. 46	240	黑Black	1930
	HX 3130 HX 3134	21. 47-23. 04 25. 82-26. 29	300 400	绿Green 蓝Blue	1980 2390

备 注：1)A-单支点(Single Point);B-双支点(Double Points)
Remark:2) 铝绞线用预绞式护线/修补条的原材料为铝合金线：
2) Raw material of helical armour/repair rods for aluminum strand conductor is aluminum alloy wire;
3)表中未涵盖公司所有产品，如有需要请与本公司联系。
3)Not all products listed in the form.Please contact our company if you have any requirement.

钢绞线用预绞式护线/修补条选型表

Selection of Helical Armor or Repair Rod for Aluminum Stranded Conductor

产品类型Model	适用导线直径范围 Suitable Conductor Dia Range (mm)	适用的绞线面积 Suitable Conductor Area (mm²) (GB1200-75)	色 标 Color Code	线夹长度 Clamp Length (mm)
HX 3410	6. 20-6. 58	25	黄Yellow	1020
HX 3910				1330
HX 3413	7. 37-7. 82	35	黑Black	1120
HX 3913				1430
HX 3416	8. 81-9. 47	50	绿Green	1220
HX 3916				1530
HX 3419	10. 52-11. 07	70	红Red	1330
HX 3919				1630
HX 3422	12. 47-13. 23	95/100	蓝Blue	1430
HX 3922				1730

备 注：1)钢绞线用预绞式护线/修补条的原材料为镀锌钢线；2)表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:1)Raw material of helical armour/repair rods for steel strand conductor is galvanized steel wire;
2)Not all products listed in the form.Please contact our company if you have any requirement.

产品与技术参数Products and techmnical paraneters》

预绞式保护金具

Helical Protect Fittings

钢芯铝绞线/铝绞线用预绞式短护线/修补条选型表
Selection of Helical Short Armor or Repair Rod for ACSR/Aluminum Stranded

产品类型 Model		适用导线直径范围 Suitable Conductor Dia. (mm)	适用导线类GB1179-1983 Suitable Conductor		色标 Color Code	线夹长度 Clamp Length (mm)
			铜芯铝绞线	铝绞线		
			LGJ/GJF (ACSR)	LJ		
A	DH 3210	7. 85-8. 28	35/6		红Red	530
B	DH 3710					840
A	DH 3212	8. 81-9. 30		50	黄Yellow	580
B	DH 3712					890
A	DH 3213	9. 31-9. 88	50/8		黑Black	580
B	DH 3713					890
A	DH 3215	10. 50-11. 07	50/30, 70/10	70	绿Green	630
B	DH 3715					940
A	DH 3216	11. 10-11. 76			蓝Blue	680
B	DH 3716					990
A	DH 3218	12. 47-13. 23	70/40, 95/15, 95/20	95	红Red	730
B	DH 3718					1040
A	DH 3219	13. 24-14. 00	120/7	120	绿Green	730
B	DH 3719					1040
A	DH 3220	14. 01-14. 86	120/20		黄Yellow	780
B	DH 3720					1090
A	DH 3221	14. 87-15. 39	120/20	150	红Red	780
B	DH 3721					1090
A	DH 3222	15. 40-16. 00	95/55, 120/25, 150/8		黑Black	830
B	DH 3722					1140
A	DH 3224	16. 66-17. 25	150/20, 150/25	185	蓝Blue	880
B	DH 3724					1190
A	DH 3225	17. 30-17. 86	150/35		绿Green	880
B	DH 3725					1190
A	DH 3226	17. 87-18. 80	120/70, 185/10	210	黄Yellow	940
B	DH 3726					1250
A	DH 3227	18. 81-20. 12	185/25, 185/30 185/45, 210/10 210/25	240	红Red	990
B	DH 3727					1290
A	DH 3228	20. 13-21. 34	210/35, 210/50		黑Black	990
B	DH 3728					1290

产品类型 Model		适用导线直径范围 Suitable Conductor Dia. (mm)	适用导线类GB1179-1983 Suitable Conductor		色 标 Color Code	线夹长度 Clamp Length (mm)
			铜芯铝绞线 LGJ/GJF (ACSR)	铝绞线 LJ		
A	DH 3229	21. 35-22. 81	240/30, 240/40, 240/55	300	绿Green	1040
B	DH 3729					1350
A	DH 3230	22. 82-24. 23	300/15, 300/20 300/25, 300/40		黄Yellow	1090
B	DH 3730					1390
A	DH 3231	24. 24-25. 04	300/50		红Red	1140
B	DH 3731					1450
A	DH 3232	25. 05-25. 81	300/70		黑Black	1150
B	DH 3732					1450
A	DH 3233	25. 82-27. 03	400/25, 400/20, 400/35	400	绿Green	1200
B	DH 3733					1500
A	DH 3234	27. 04-27. 66	400/50		黄Yellow	1250
B	DH 3734					1560

备 注：1)A-单支点(Single Point); B-双支点(Double Points)
Remark:2) 钢芯铝绞线/铝绞线用预绞式短护线/修补条的原材料为铝合金线;
2) Raw material of helical armour/repair rods for aluminum conductor steel reinforced/ aluminum strand conductor is aluminum alloy wire;
3)表中未涵盖公司所有产品，如有需要请与本公司联系。
3) Not all products listed in the form.Please contact our company if you have any requi rement.



产品与技术参数Prodcts and technical parameters

电气化铁路用预绞式金具

Helical set for Electrified Railway line

电气化铁路用预交式护线条Helial Amor Rods for Electrified Railway line

产品用途及特性Application and characteristics

电气化铁道架空守线、承力索，特别是铝包钢、铜或钢合金导线以及承力索等在运行中容易与滑轮之间引起磨损，引发断股、断线等事故。
When the aerial conductor,catenary of electric railway,especially aluminum coated steel,cooper or copper alloy conductor and catenary runs,it is easy to cause wear with pulley and initiate strand and wire broken.

为有效防止导线或承力索的磨损导致事故发生，在导线或承力索上与滑轮接触的部位采用预绞丝保护条，用以解导线和承力索的磨损问题，为线路的正常运行提供有力保障。
In order to prevent accident from wear problem of conductor or catenary,install helical armour rod on the contacting part between conductor or catenary and pulley,which solve the wear problem of conductor and catenary and provide strong guarantee for normal run of line.

预绞丝护线条具有优良的耐腐蚀性能：安装便携，不需要任何专用工具，一人可徒手完成现场安装操作：适用性强，可与多种铁路金具配合使用。
Helical armor rod has excellent corrosion resistance.It is easy to install and no special tools required.One person could finish the installation on-spot.It has strong applicability,could be used with many railway fittings together.

产品特点Characteristics

磨损小：由于护线条紧握导线或承力索，避免了导线、承力索滑移，因而可以把导线或承力索的磨损减至最小。
Low wear:As armour rod held the conductor or catenary wire firmly,the conductor and catenary wire sliding could be avoided,so it minimizes the wear for conductor or catenary wire.

安装简单：无需任何专用工具，徒手就可以快捷简便地现场安装，一个人即可完成。安装质量易于保证：不需专门训练，肉眼可以进行检验，外观简洁美观。
Simple installation:No special tools needed,you could install on-spot by hand rapidly and simply,one person is enough.It is easy to ensure the installation quality;no special training required,inspect by naked eyes. It has simple and beautiful appearance.

通用性强：可与多种铁路金具配套使用。
Strong universality:It could be used with many railway fittings together.

示意图Diagram



a) 镀锌钢型护线条Galvanized steel armor rod

b)铜包钢型护线条Copper clad steel armor rod

铜绞线承力索用护线条选型表
Selection of Helical Armor Rods for Steel Stranded Catenary Wire

房号	型号 Type	适用导线截面 Suitable wire Area(mm)	长 度 Length (mm)	材料 Material
1	BHT-D-35/*-T	35	*	铜包钢丝 Copper-clad steel wire
2	BHT-D-50/*-T	50	*	
3	BHT-D-70/*-T	70	*	
4	BHT-D-95/*-T	95	*	
5	BHT-D-100/*-T	100	*	
6	BHT-D-120/*-T	120	*	
7	BHT-D-150/*-T	150	*	

备注：1) “*” 代表长度，一般有：500、800、1200、1500、2000m;也可根据用户要求提供。
2)表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:1)“*”represents length,includes 500、800、1200、1500、2000m.We also could produce according to customer's requirement.
2)Not all products listed in the form.Please contact our company if you have any requirement.

电气化铁路用预绞式金具Helical set for Electrified Railway line

钢绞线承力索用护线条选型表
Selection of Helical Armor Rods for Steel Stranded Catenary Wire

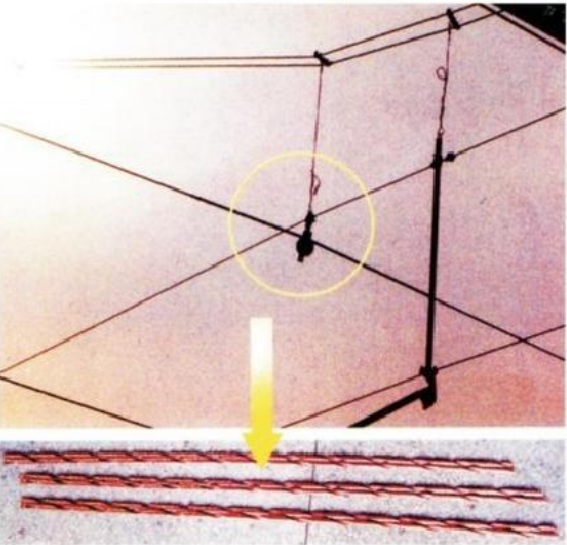
序号 NO.	型号 Type	适用导线截面 Suitable wire Area (mm²)	长度 Length (mm)	材料 Material
1	BHT-35/*	35	*	镀锌钢丝 Galvanized steel wire
2	BHT-50/*	50	*	
3	BHT-70/*	70	*	
4	BHT-95/*	95	*	
5	BHT-100/*	100	*	
6	BHT-120/*	120	*	
7	BHT-150/*	150	*	

备注：1) “*” 代表长度，一般有：500、800、1200、1500、2000m;也可根据用户要求提供。
2)表中未涵盖公司所有产品，如有需要请与本公司联系。
Remark:1)“*”represents length,includes 500、800、1200、1500、2000m.We also could produce according to customer's requirement.
2 Not all products listed in the form.Please contact our company if you have any requirement.

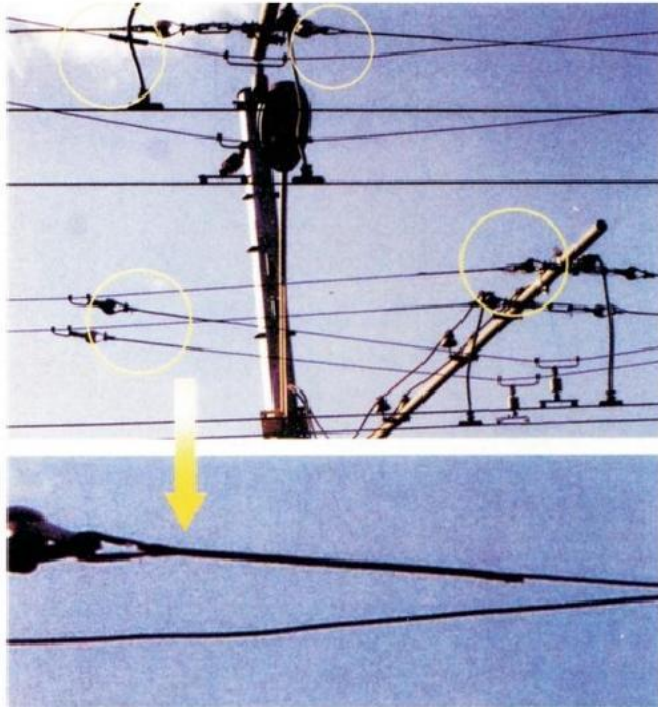
电气化铁路用预绞式耐张金具Helical Tension set for Electrified Railway line

与线路耐张金具相同，请参照线路金具部分。
Refer to Helical Tension Set(part 1),please.

附：预绞丝金具在电气化铁路中的应用实例图片
Attached:Example Picture for Helical armor rods applied in electrified railway



铁路护线条应用实例 (1)
Armor Rod using for Railway line(1)

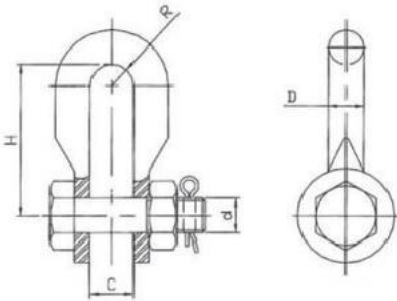


电气化铁路预绞式耐张金具应用实例 (2)
Helical Dead-end using for Electrified Railway line (2)

产品与技术参数Products and technical paraneters”

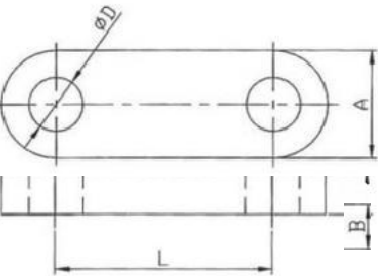
附录：连接金具(标准件) 参数资料
Appendix:Link Fittings Parameter

01U型挂环 U-Clevis



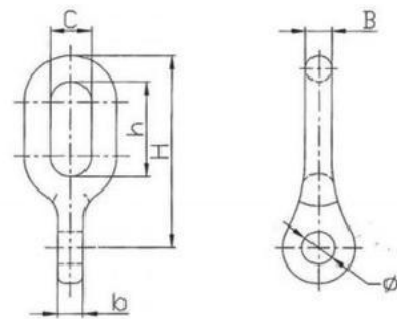
型号 Type	主要尺寸 Main dimensions (mm)					破坏载荷 Devastat ing Load (kn)	重量 Weight (kg)
	c		D	H	R		
U-5	20	12	12.5	70	10	50	0.35
U-7	20	16			10	70	0.5
U-10	22	18	18	85	11	100	0.6
U-12	24	22	20	90	12	120	1.0
U-16	26	24	22	90	13	160	1.5
U-7	20	16	16	120	22	70	0.7
U-10	22	18	18	140	24	100	0.9
U-12	24	22	20	140	18	120	1.1

02U挂板 shackle



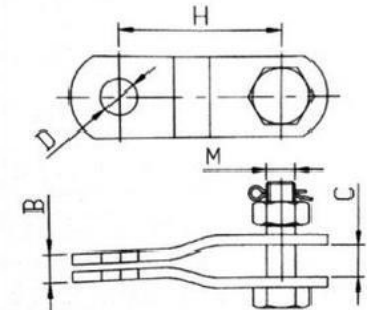
型号 Type	主要尺寸 Main dimensions (mm)				破坏载荷 Devastating Load (kn)	重量 Weight (kg)
	B	D	L	A		
PD-7	16	18	70	40	70	0.5
PD-10	16	20	80	40	100	0.7
PD-12	16	24	100	40	120	0.9
PD-16	22	26	130	60	160	1.4

0 3 直角环 Eye Chain Link



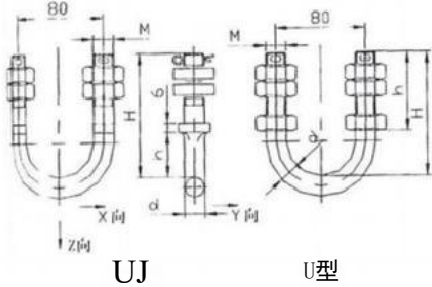
型号 Type	主要尺寸 Main dimensions (mm)						破坏载荷 Devastating Load (kn)	重量 Weight (kg)
	C	h	H	b	B	φ		
ZH-7	24	57	95	16	16	20	70	0.5
ZH-10	24	57	100	16	18	20	100	1.1
ZH-12	24	65	115	16	18	24	120	1.2
ZH-16	26	75	135	18	22	26		1.8

04挂板 (PS 型) PS-Shackle



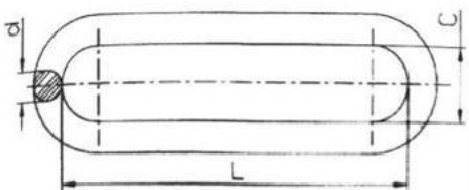
型号 Type	主要尺寸 Main dimensions (mm)					破坏载荷 Devastating Load (kn)	重量 Weight (kg)
	C			D	H		
PS-7			16	20	90	70	0.6
PS-10	20	18	18	20	90	100	0.9
PS-12	20	20	22	24	95	120	1.5
PS-16	26	24	24	26	155	160	2.2

05 U型螺栓 U-Bolt



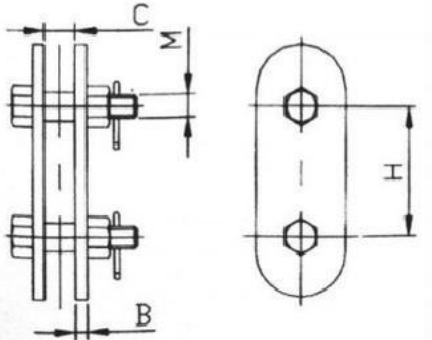
型号 Type	主要尺寸 Main dimensions (mm)				破坏载荷 Devastating Load (kn)			重量 Weight (kg)
	d	h	H	M	H	H	H	
UJ-1880	18	39	105	18	18	5.3	35	0.85
UJ-2080	20	43	120	20	24	7.4	47	1.10
UJ-2280	22	45	126	22	28	10.8	57	1.40
U-1880	18	60	90	18	18	3.5	35	0.80
U-2080	20	70	100	20	18	5.3	35	1.10
U-2280	22	90	118	22	24	4.9	47	1.30

06延长环 Chain Link



型号 Type	主要尺寸 Main dimensions (mm)			破坏载荷 Devastating Load (kn)	重量 Weight (kg)
	C	d	L		
PH-7	20	16	80	70	0.4
PH-10			100	100	0.6
PH-12	24	20	120	120	0.9
PH-16	26	22	140	160	1.5

0 7 挂板 (P 型) P-Shackle

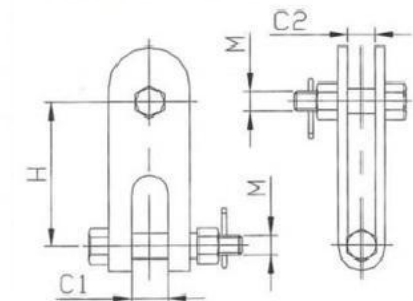


型号 Type	主要尺寸 Main dimensions (mm)				破坏载荷 Devastating Load (kn)	重量 Weight (kg)
	B	c	M	H		
P-7	6	18	16	60	70	0.6
P-10	8	20	18	70	100	0.9
P-12	10	24	22	80	120	1.5
P-16	12	26	24	90	160	2.4

产品与技术参数Products and technical parameters》

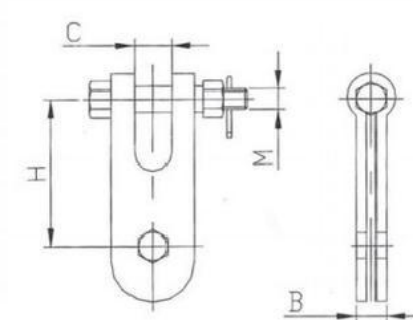
附录：连接金具(标准件)参数资料
Appendix:Link Fittings Parameter

08 挂板 (Z型) Z-Shackle



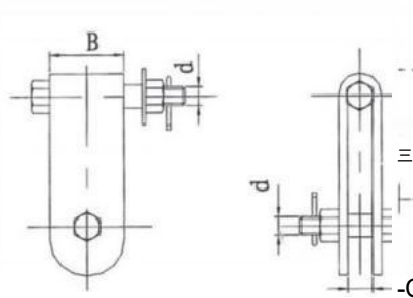
型号 Type	主要尺寸 Main dimensions (mm)				破坏载荷 Devastating (kg)	重量 Weight (kg)
	c1	C2	M	H		
Z-7	18	18	16	60	70	0.6
Z-10	20	20	18	70	100	0.8
Z-12	24	24	22	80	120	1.3
Z-16	26	26	24	90	160	2.5

09 挂板 (ZS型) zs-Shackle



型号 Type	主要尺寸 Main dimensions (mm)					破坏载荷 Devastating (kg)	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

10 挂板 (UB型) UB-Shackle



型号 Type	主要尺寸 Main dimensions (mm)				破坏载荷 Devastating (kg)	重量 Weight (kg)
	C	d	H	B		
UB-7	18	16	70	45	70	0.75
UB-10	20	18	80	45	100	1.08
UB-12	24	22	100	60	120	2.28
UB-16	26	24	100	60	160	2.90

11 调整板 (DB型) Sag.Adjusting Plate(Type DB)

