



河南泉象实业有限公司

HENAN QUANXIANG INDUSTRIAL CO., LTD.

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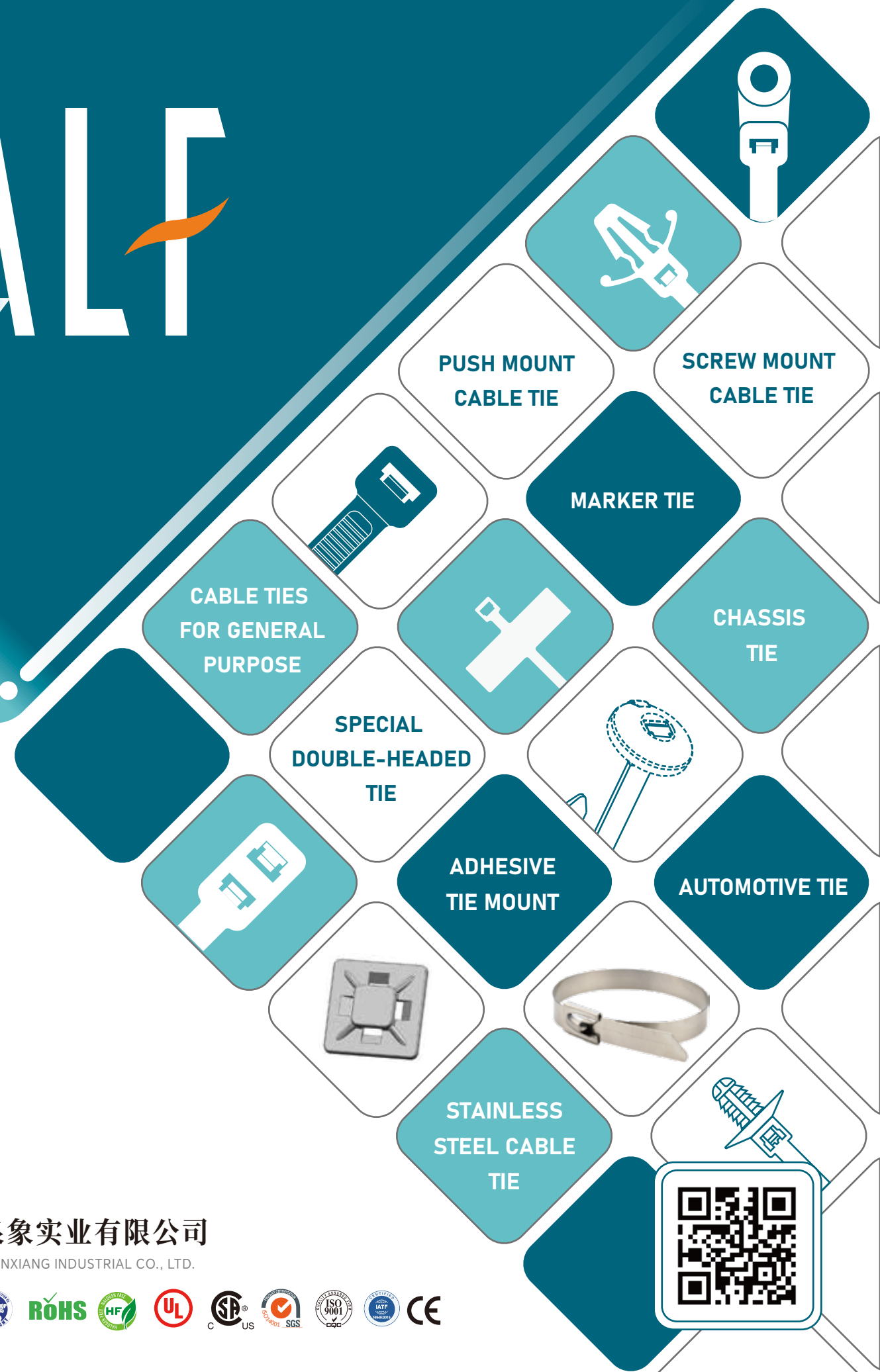
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QUANXIANG



公司简介

河南泉象实业有限公司是一家集设计、研发、生产、销售为一体的综合性企业，公司由上海泉象实业有限公司乔迁组建而成，也是平顶山市政府 2017 年招商引进的第一批企业，于 2017 年由上海映智实业有限公司和平煤神马尼龙投资管理有限公司共同出资成立，注册资本 6000 万元人民币，公司现位于河南省平顶山市化工产业集聚区化工三路北段尼龙深加工产业园内，公司面积约 15000 平方米，年产能约 10000 吨。

公司管理制度完善，始终坚持以科学发展观为指导思想，组织和培养高素质的技术和职业人才，不断发展产业技术革新，以追求业界高标准的质量要求。本公司已通过国际质量管理体系 ISO9001 认证、环境管理体系 ISO14001 认证、职业健康管理体系 ISO45001 认证，IATF16949 质量管理体系认证，有害物质管理体系 QC080000 认证，产品已通过 UL、CE、CSA 认证，符合欧盟 ROHS、REACH 及美国加州 65 的环保要求。

作为国内专业的尼龙扎带生产企业之一，公司有着先进的模具开发能力及雄厚的生产能力及已拥有多条专业生产线，企业先后被授予“高新技术企业”、“国家级科技中小企业称号”、“2021 年度民营企业工业制造行业四星级企业”、“2021 年度集聚区科技创新进步奖”、“平顶山市工程技术研究中心”、“省级专精特新”等荣誉；公司致力于为客户提供高品质，多规格的产品。目前公司的产品已远销欧洲、北美、南美、中东、东南亚等地区。公司在研发、生产制造产品的同时非常注重环保，健康及安全，勇于承担社会责任，为客户提供更具附加值的服务。

Company profile

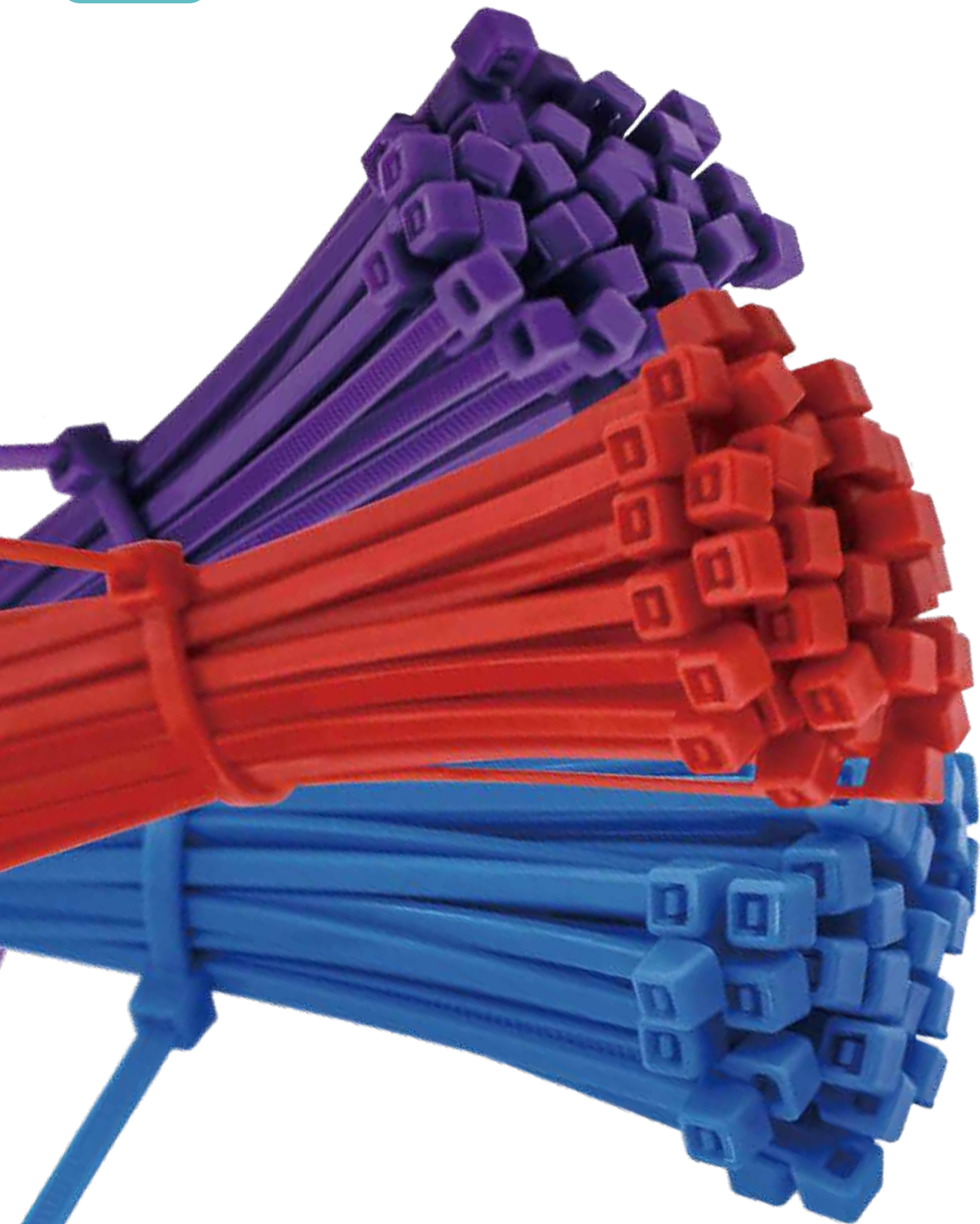
Henan Quanxiang Industrial Co., Ltd. (Hereinafter referred to as ALF) was founded in 2017. It was jointly invested by Shanghai Yingzhi Industrial Co., Ltd. and Henan Pingmei Shenma Nylon Investment Management Co., Ltd., with a registered capital of RMB 60 million, covering an area of 15,000 square meters, and the annual capacity is around 10000 tons.

Henan Quanxiang Industrial Co., Ltd. was formed by the relocation of Shanghai Quanxiang Industrial Co., Ltd., which had nearly ten years experiences in this industry. As one of the professional manufacturer of nylon cable tie, tie mounts, corrugated conduit, we concentrate on research & development, producing, and sales. We are committed to providing customers with a variety of different specifications of products. During all the process of development and manufacturing, we pay more attention to environmental protection, health, and safety. We take our social responsibilities seriously and pursue the principle of responsibility and integrity, create more value for our customers.

ALF has passed ISO9001, ISO14001, ISO45001, IATF16949 authentication and our products are also approved by UL, CAS, CE standards. In addition, we are not only producing products which meet the environmental requirements of the EU but also constantly dedicating ourselves to create new models. Thanks to the highest quality, our products are mainly exported to many countries and regions, including Europe, North America, Middle East, South America, Southeast Asia, HongKong (China), etc.



ALL LINKS FOREVER



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01



尼龙扎线带 Nylon cable ties

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40°C ~ 85°C (- 40 °F~ 185 °F)

颜 色: 自然色, 黑色, 其他颜色可定制

特 性: 最大拉力可达 250 磅 (114 公斤), 阻燃 (94V-0)、耐热、耐寒、抗紫外线、金属可探测扎带可定制

用 途: 内部锯齿可有效锁紧和固定线缆和管道, 头部的设计保证高抗拉强度, 同时允许一个非常低的插入力

NAT = Natural / white (白色) B=Black (黑色)
BR=Brown (棕色) R=Red (红色)
OR=Orange (橘色) Y=Yellow (黄色)
G=Green (绿色) BL=Blue (蓝色)
GR=Grey (灰色) PP=Purple (紫色)

Material: UL approved Nylon 66

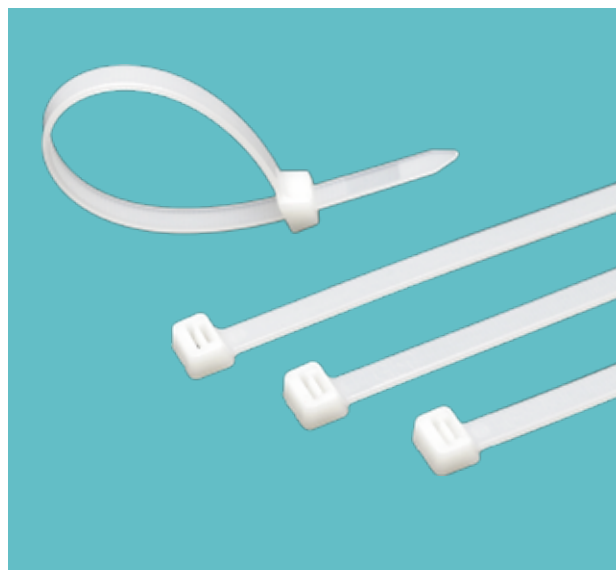
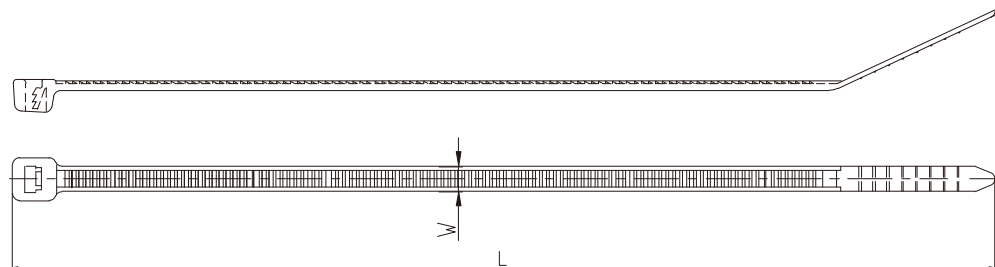
Fireproof: 94V-2

Color: Natural, black, other colors are available upon request

Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Feature: Max tensile strength up to 250lbs (114kgs); Flame-retardant (94V-0) , heat-resistant (150°C) , cold-resistant (-40°C), UV resistant, metal detectable cable ties are available upon request

Application: Internal serrations allowing for a positive hold onto cable and pipe bundles. The design of the head guarantees a high tensile strength while allowing a very low insertion force



编号 Item No.	长 Length		宽 Width		最大束径 Max Bundle		拉伸强度 Min. Tensile Strength		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[KGS]	[LBS]	[pcs]
Miniature Ties									
GW-80M	80	3.1	2.5	0.10	15	0.6	8.1	18	1000/100
GW-100M	100	3.9	2.5	0.10	22	0.9	8.1	18	1000/100
GW-120M	120	4.7	2.5	0.10	30	1.2	8.1	18	1000/100
GW-140M	140	5.5	2.5	0.10	33	1.3	8.1	18	1000/100
GW-150M	150	5.9	2.5	0.10	35	1.4	8.1	18	1000/100
GW-160M	160	6.3	2.5	0.10	37	1.5	8.1	18	1000/100
GW-200M	200	7.9	2.5	0.10	53	2.1	8.1	18	1000/100
GW-250M	250	9.8	2.8	0.11	65	2.6	14	31	1000/100
GW-300M	300	11.8	2.8	0.11	76	3.0	14	31	1000/100
Intermediate Ties									
GW-100I	100	3.9	3.6	0.14	22	0.9	18.2	40	1000/100
GW-140I	140	5.5	3.6	0.14	33	1.3	18.2	40	1000/100
GW-150I	150	5.9	3.6	0.14	35	1.4	18.2	40	1000/100
GW-180I	180	7.1	3.6	0.14	44	1.7	18.2	40	1000/100
GW-200I	200	7.9	3.6	0.14	53	2.1	18.2	40	1000/100
GW-250I	250	9.8	3.6	0.14	65	2.6	18.2	40	1000/100
GW-300I	300	11.8	3.6	0.14	76	3.0	18.2	40	1000/100
GW-370I	370	14.6	3.6	0.14	102	4.0	18.2	40	1000/100
Standard Ties									
GW-120ST	120	4.7	4.8	0.19	30	1.2	22.2	50	1000/100
GW-160ST	160	6.3	4.8	0.19	37	1.5	22.2	50	1000/100
GW-190ST	190	7.5	4.8	0.19	46	1.8	22.2	50	1000/100
GW-200ST	200	7.9	4.8	0.19	50	2.0	22.2	50	1000/100
GW-250ST	250	9.8	4.8	0.19	60	2.4	22.2	50	1000/100
GW-280ST	280	11.0	4.8	0.19	70	2.8	22.2	50	1000/100
GW-300ST	300	11.8	4.8	0.19	76	3.0	22.2	50	1000/100
GW-370ST	370	14.6	4.8	0.19	102	4.0	22.2	50	100
GW-390ST	390	15.4	4.8	0.19	105	4.1	22.2	50	100
GW-430ST	430	16.9	4.8	0.19	125	4.9	22.2	50	100
GW-450ST	450	17.7	4.8	0.19	132	5.2	22.2	50	100
GW-530ST	530	20.9	4.8	0.19	140	5.5	22.2	50	100
GW-635ST	635	25.0	4.8	0.19	178	7.0	22.2	50	100
GW-685ST	685	27.0	4.8	0.19	205	8.1	22.2	50	100
GW-730ST	730	28.7	4.8	0.19	220	8.7	22.2	50	100
GW-830ST	830	32.7	4.8	0.19	239	9.4	22.2	50	100
GW-920ST	920	36.2	4.8	0.19	263	10.4	22.2	50	100

Heavy Duty Ties									
GW-150HD	150	5.9	7.6	0.3	35	1.4	54.4	120	100
GW-200HD	200	7.9	7.6	0.3	53	2.1	54.4	120	100
GW-240HD	240	9.4	7.6	0.3	63	2.5	54.4	120	100
GW-250HD	250	9.8	7.6	0.3	65	2.6	54.4	120	100
GW-300HD	300	11.8	7.6	0.3	76	3.0	54.4	120	100
GW-370HD	370	14.6	7.6	0.3	102	4.0	54.4	120	100
GW-390HD	390	15.4	7.6	0.3	105	4.1	54.4	120	100
GW-400HD-S	400	15.7	7.6	0.3	108	4.3	54.4	120	100
GW-430HD-S	430	16.9	7.6	0.3	125	4.9	54.4	120	100
GW-450HD-S	450	17.7	7.6	0.3	132	5.2	54.4	120	100
GW-530HD-S	530	20.9	7.6	0.3	140	5.5	54.4	120	100
GW-750HD-S	750	29.5	7.6	0.3	218	8.6	54.4	120	100
GW-920HD-S	920	36.2	7.6	0.3	263	10.4	54.4	120	100
GW-400HD	400	15.7	9.0	0.35	108	4.3	79.4	175	100
GW-430HD	430	16.9	9.0	0.35	125	4.9	79.4	175	100
GW-450HD	450	17.7	9.0	0.35	132	5.2	79.4	175	100
GW-530HD	530	20.9	9.0	0.35	140	5.5	79.4	175	100
GW-550HD	550	21.7	9.0	0.35	160	6.3	79.4	175	100
GW-610HD	610	24.0	9.0	0.35	178	7.0	79.4	175	100
GW-630HD	630	24.8	9.0	0.35	178	7.0	79.4	175	100
GW-710HD	710	28.0	9.0	0.35	190	7.5	79.4	175	100
GW-780HD	780	30.7	9.0	0.35	220	8.7	79.4	175	100
GW-830HD	830	32.7	9.0	0.35	239	9.4	79.4	175	100
GW-920HD	920	36.2	9.0	0.35	263	10.4	79.4	175	100
GW-1020HD	1020	40.2	9.0	0.35	295	11.6	79.4	175	100
GW-1070HD	1070	42.1	9.0	0.35	320	12.6	79.4	175	100
GW-1170HD	1170	46.0	9.0	0.35	335	13.2	79.4	175	100
GW-1220HD	1220	48.0	9.0	0.35	365	14.4	79.4	175	100
GW-1370HD	1370	53.9	9.0	0.35	412	16.2	79.4	175	100
GW-1530HD	1530	60.2	9.0	0.35	460	18.1	79.4	175	100
Extra Heavy Duty Ties									
GW-230EHD	230	9.1	12.6	0.50	50	2.0	114	250	100/1000
GW-290EHD	290	11.4	12.6	0.50	76	3.0	114	250	100/1000
GW-380EHD	380	15.0	12.6	0.50	106	4.2	114	250	100
GW-480EHD	480	18.9	12.6	0.50	120	4.7	114	250	100
GW-580EHD	580	22.8	12.6	0.50	152	6.0	114	250	100
GW-730EHD	730	28.7	12.6	0.50	220	8.7	114	250	100
GW-880EHD	880	34.6	12.6	0.50	248	9.8	114	250	100
GW-1030EHD	1030	40.6	12.6	0.50	295	11.6	114	250	100

更多选择：量大可按需求生产所需规格或定制长度。

Various specification or length are available upon request.

02

可退式扎线带 Releasable cable ties

材 质：UL 认证尼龙 66

防火等级：94V-2

操作温度：- 40°C ~85°C (- 40 °F~185 °F)

颜 色：自然色，黑色，其他颜色可定制

特 性：UL 认证、耐候、耐热、耐寒

用 途：可松开，重复使用

Material: UL approved Nylon 66

Fireproof: 94V-2

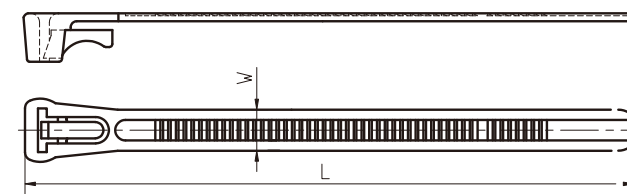
Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black, other colors are available upon request

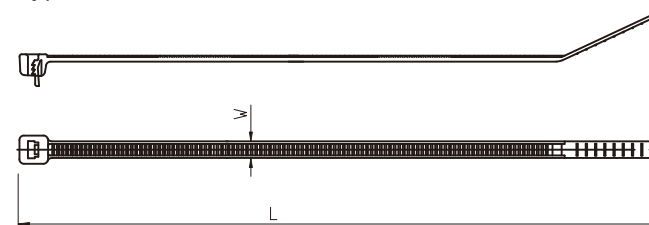
Feature: UL approved, weather-resistant, heat-resistant, and cold-resistant

Application: Releasable, reused

样式 1 Type 1



样式 2 Type 2



编号 Item No.	类型 Type	长 Length		宽 Width		最大束径 Max Bundle		拉伸强度 Min. Tensile Strength		包装 Pack Quantity
		[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
GWRN-100HD	Type 1	100	3.9	7.6	0.30	20	0.8	22.2	50	100
GWRN-120HD		120	4.7	7.6	0.30	30	1.2	22.2	50	100
GWRN-150HD		150	5.9	7.6	0.30	35	1.4	22.2	50	100
GWRN-200HD		200	7.9	7.6	0.30	50	2.0	22.2	50	100
GWRN-250HD		250	9.8	7.6	0.30	66	2.6	22.2	50	100
GWRN-300HD		300	11.8	7.6	0.30	80	3.1	22.2	50	100
GWRN-370HD		370	14.6	7.6	0.30	102	4.0	22.2	50	100
GWRP-200I	Type 2	200	8.0	3.6	0.14	53	2.1	18.2	40	100
GWRP-200ST		200	8.0	4.8	0.19	53	2.1	22.2	50	100
GWRP-300ST		300	11.8	4.8	0.19	76	3.0	22.2	50	100
GWRP-370ST		370	14.6	4.8	0.19	102	4.0	22.2	50	100
GWRP-610HD		610	24.0	9.0	0.35	178	7.0	79.4	175	100
GWRP-780HD		780	30.7	9.0	0.35	228	9.0	79.4	175	100

03



标示扎线带 Marker ties

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

颜 色: 自然色, 黑色, 其他颜色可定制

特 性: UL 认证、耐候、耐热、耐寒

用 途: 扎线带前端设有空白铭牌, 可用油性笔在
有砂纹面上书写, 标识记号

Material: UL approved Nylon 66

Fireproof: 94V-2

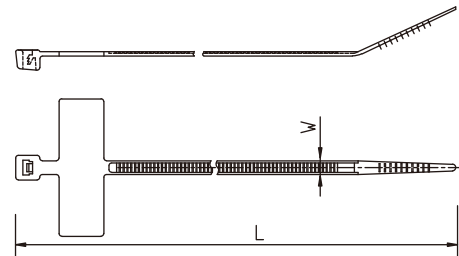
Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black, other colors are available upon request

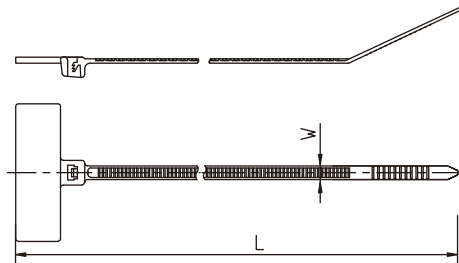
Feature: UL approved, weather-resistant, heat-resistant, and cold-resistant

Application: There is a blank pad beside the head, which is for identification number written with the marker pen on the flat area

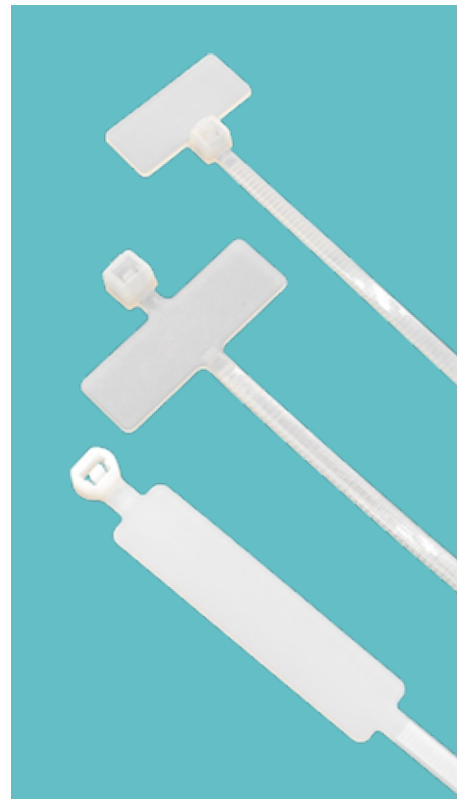
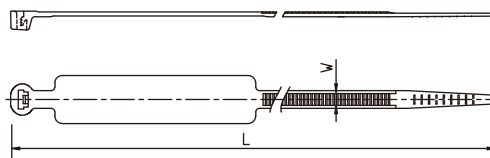
样式 1 Type 1



样式 2 Type 2



样式 3 Type 3



编号 Item No.	类型 Type	长 Length		宽 Width		最大束径 Max Bundle		拉伸强度 Min. Tensile Strength		包装 Pack Quantity
		[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
GWK-100M	Type 1	100	3.9	2.5	0.1	18	0.7	8.1	18	100/1000
GWK-200M		200	7.9	2.5	0.1	50	2.0	8.1	18	100/1000
GWK-110M	Type 2	110	4.3	2.5	0.1	18	0.7	8.1	18	100/1000
GWK-210M		210	8.3	2.5	0.1	50	2.0	8.1	18	100/1000
GWK-220ST	Type 3	220	8.7	4.8	0.19	54	2.1	22.2	50	100/1000
GWK-270ST		270	10.6	4.8	0.19	65	2.6	22.2	50	100/1000
GWK-300ST		300	11.8	4.8	0.19	76	3.0	22.2	50	100/1000
GWK-370ST		370	14.6	4.8	0.19	102	4.0	22.2	50	100

04



插销式扎线带 Push mount ties

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

颜 色: 自然色, 黑色, 其他颜色可定制

特 性: UL 认证、耐候、耐热、耐寒。机翼设计
有助于高频振动应用中扎带的稳定

用 途: 于机板孔插入扎线槽, 再将其束紧即可

Material: UL approved Nylon 66

Fireproof: 94V-2

Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black, other colors are available upon request

Feature: UL approved, weather-resistant, heat-resistant, and cold-resistant. The wing design of the mount helps stabilize the tie in high vibration applications

Application: Insert cable tie into the hole of the main board and bind up the electric wire firmly

样式 1 Type 1



样式 2 Type 2



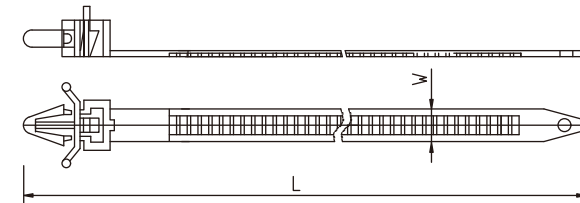
样式 3 Type 3



样式 4 Type 4



样式 5 Type 5



编号 Item No.	类型 Type	长 Length		宽 Width		最大束径 Max Bundle		拉伸强度 Min. Tensile Strength		包装 Pack Quantity
		[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
GWP-110M	Type 1	110	4.3	2.5	0.10	22	0.9	8.1	18	100/1000
GWP-130ST		130	5.1	4.8	0.19	25	1.0	22.2	50	100/1000
GWP-170ST		170	6.7	4.8	0.19	38	1.5	22.2	50	100/1000
GWP-190ST		190	7.5	4.8	0.19	45	1.8	22.2	50	100/1000
GWP-130I	Type 2	130	5.1	3.6	0.14	28	1.1	13.6	30	100/1000
GWP-150I	Type 3	150	5.9	3.6	0.14	32	1.3	13.6	30	100/1000
GWP-200ST	Type 4	200	7.9	4.8	0.19	46	1.8	22.2	50	100/1000
GWRP-150HD	Type 5	150	5.9	7.6	0.30	32	1.26	13.6	30	100

05



双孔式扎线带 Special double-headed ties

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40°C ~ 85°C (- 40 °F ~ 185 °F)

颜 色: 白色, 黑色, 其他颜色可定制

特 性: 阻燃 (94V-0), 耐热, 耐寒, 抗紫外线
可定制

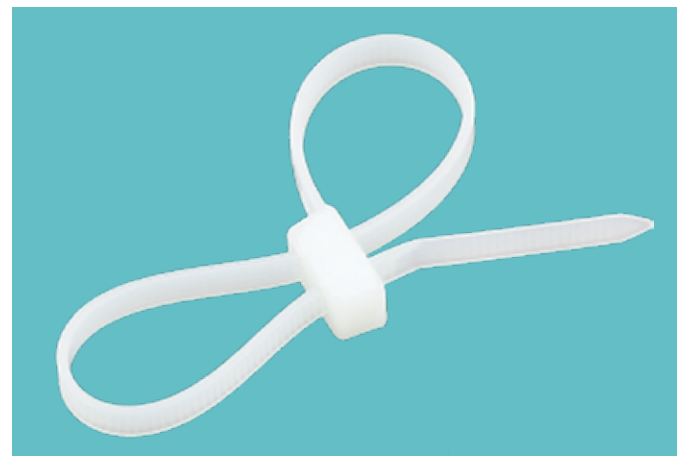
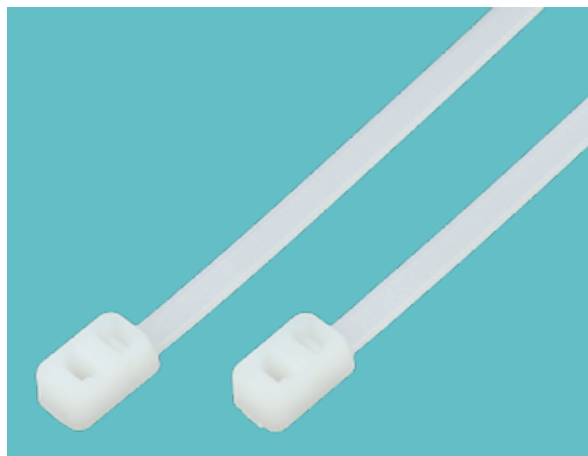
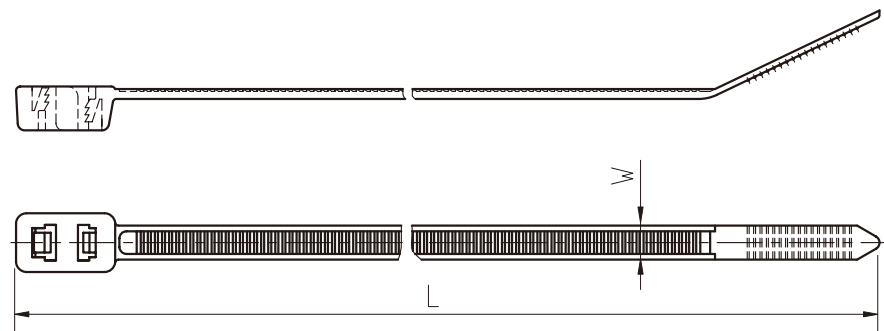
Material: UL approved Nylon 66

Fireproof: 94V-2

Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black, other colors are available upon request

Feature: Flame-retardant (94V-0), heat-resistant, cold-resistant,
UV resistant are available upon request



编号 Item No.	长 Length		宽 Width		最大束径 Max Bundle		拉伸强度 Min. Tensile Strength		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
GWB-200ST	200	7.9	4.8	0.19	47	1.9	22.2	50	100/1000
			4.8	0.19	45	1.8	22.2	50	100/1000
GWB-300ST	300	11.8	4.8	0.19	72	2.8	22.2	50	100/1000
			4.8	0.19	70	2.8	22.2	50	100/1000
GWB-370ST	370	14.6	4.8	0.19	100	3.9	22.2	50	100
			4.8	0.19	97	3.8	22.2	50	100

06



固定锁式扎线带 Screw mount cable ties

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40°C ~ 85°C (- 40 °F ~ 185 °F)

颜 色: 白色, 黑色, 其他颜色可定制

特 性: 阻燃 (94V-0)、耐热、耐寒、抗紫
外线可定制

用 途: 扎线带捆绑电缆后, 将整束电缆以螺
丝固定于基板上

Material: UL approved Nylon 66

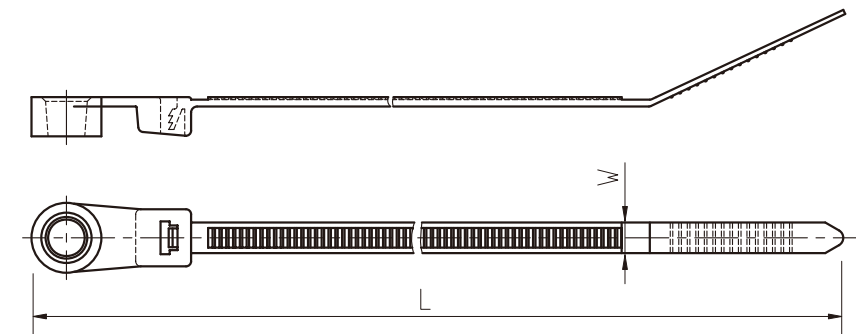
Fireproof: 94V-2

Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black, other colors are available upon request

Feature: Flame-retardant (94V-0), heat-resistant, cold-resistant,
UV resistant are available upon request

Application: The cable tie can be secured to panel with a single
bolt



编号 Item No.	长 Length		宽 Width		最大束径 Max Bundle		开孔直径 Hole Diameter	拉伸强度 Min. Tensile Strength		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[kgs]	[lbs]	[pcs]
GWM-110M	110	4.3	2.5	0.10	22	0.9	3.2	8.1	18	100/1000
GWM-150I	150	5.9	3.6	0.14	32	1.3	4.2	18.2	40	100/1000
GWM-200ST	200	7.9	4.8	0.19	50	2.0	5.5	22.2	50	100/1000
GWM-300ST	309	12.2	4.8	0.19	76	3.0	5.5	22.2	50	100/1000
GWM-370ST	380	15.0	4.8	0.19	102	4.0	5.5	22.2	50	100
GWM-200HD	215	8.5	7.6	0.30	50	2.0	5.7	54.4	120	100
GWM-300HD	315	12.4	7.6	0.30	76	3.0	5.7	54.4	120	100
GWM-380HD	382	15.0	7.6	0.30	98	3.9	6.2	54.4	120	100
GWM-400HD	400	15.7	7.6	0.30	103	4.0	6.2	54.4	120	100

07



基板固定扎线带 Chassis ties

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40°C ~ 85°C (- 40 °F ~ 185 °F)

颜 色: 白色、黑色、其他颜色可定制

特 性: 阻燃 (94V-0)、耐热、耐寒、抗紫外线可定制

用 途: 两件式设计, 带扣与带身装配成组出货。施工省力。特殊带扣设计, 在完全束紧前可将束带松开

Material: UL approved Nylon 66

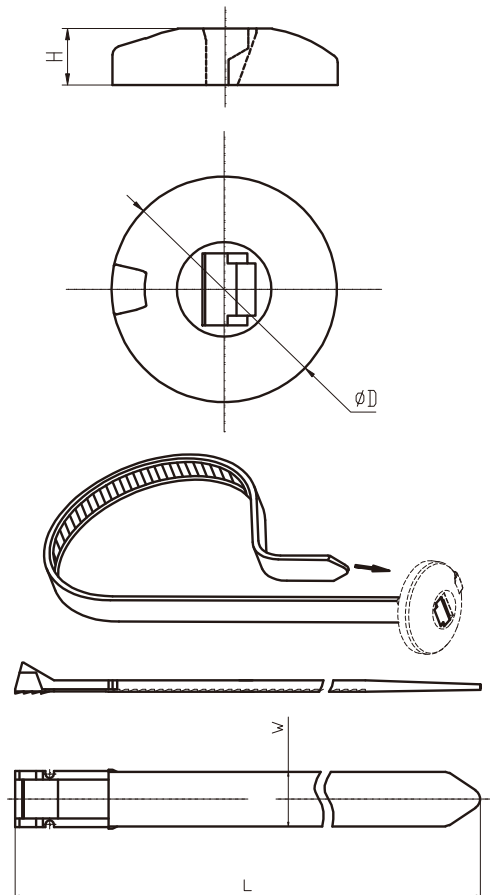
Fireproof: 94V-2

Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black, other colors are available upon request

Feature: Flame-retardant (94V-0), heat-resistant, cold-resistant, UV resistant are available upon request

Application: Two-piece design, buckle and strap are one assembly to sell. Zero insertion force, the loop is releasable till dead fasten



编号 Item No.	长 Length		宽 Width		最大束径 Max Bundle		拉伸强度 Min.Tensile Strength		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
GWA-300HD	300	11.8	7.6	0.30	76	3.0	65	144	100
GWA-370HD	370	14.6	7.6	0.30	101	4.0	65	144	100

08



钢齿扎线带 Cable ties with steel tongue as standard

材 质: UL 认证的尼龙 66, 304/316 级不锈钢

防火等级: 94V-2

操作温度: -40°C ~ 85°C (- 40 °F ~ 185 °F)

颜 色: 白色、黑色、其他颜色可定制

特 性: 头部设计优化抓地力, 硬化不锈钢齿确保极高的机械强度和最佳的抗腐蚀性

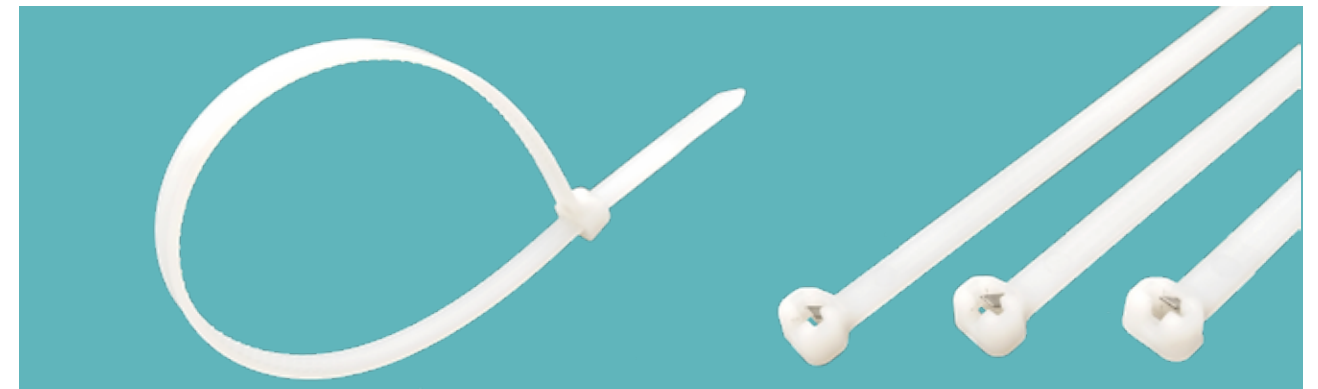
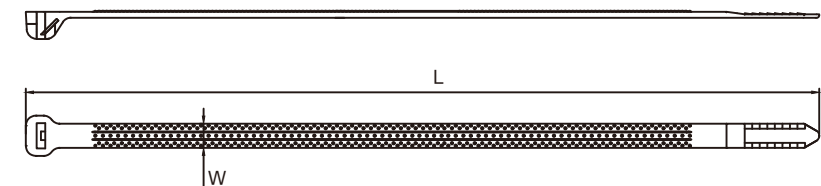
Material: UL approved Nylon 66, 304/316 grade stainless steel

Fireproof: 94V-2

Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black, other colors are available upon request

Feature: The design of the head optimizes grip, the hardened stainless steel teeth ensures extremely high mechanical strength and optimal resistance to corrosion



编号 Item No.	长度 Length		宽度 Width		最大束径 Max Bundle		拉伸强度 Min.Tensile Strength		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
Standard Ties (50 lb., 22.2 kg)									
GC-200ST	200	7.9	4.8	0.19	50	2.0	20	45	100/1000
GC-300ST	300	11.8	4.8	0.19	76	3.0	20	45	100/1000
Heavy Duty Ties (120 lb., 54.4 kg)									
GC-300HD	300	11.8	9.4	0.37	76	3.0	50	100	100
GC-370HD	370	14.6	9.4	0.37	102	4.0	50	100	100
GC-400HD	400	15.7	10.0	0.39	108	4.3	54	120	100
GC-430HD	430	16.9	10.0	0.39	125	4.9	54	120	100
GC-450HD	450	17.7	10.0	0.39	132	5.2	54	120	100
GC-530HD	530	20.9	10.0	0.39	140	5.5	54	120	100
GC-550HD	550	21.7	10.0	0.39	146	5.7	54	120	100

09



不锈钢扎线带
 Stainless steel cable ties

- 材 质:

304/316 级不锈钢
- 颜 色:

金属色
- 特 性:

强自锁机制 (不锈钢球), 插入力小;
 安装快捷、方便、可靠
- 用 途:

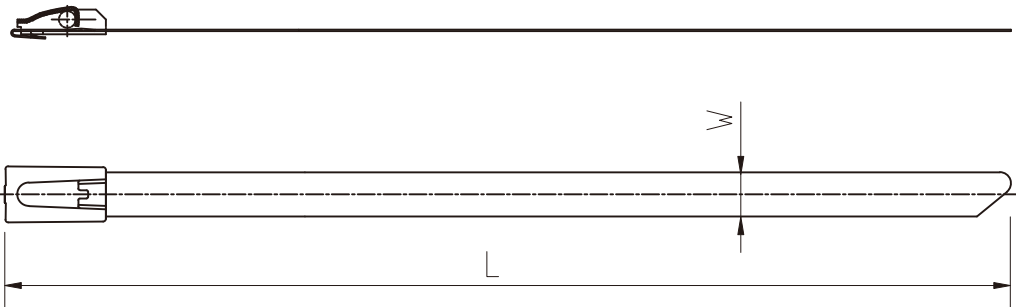
用于腐蚀、振动、风化、辐射和温度
 需要重点考虑的场所
- Material:

304/316 grade stainless steel
- Color:

Metallic
- Feature:

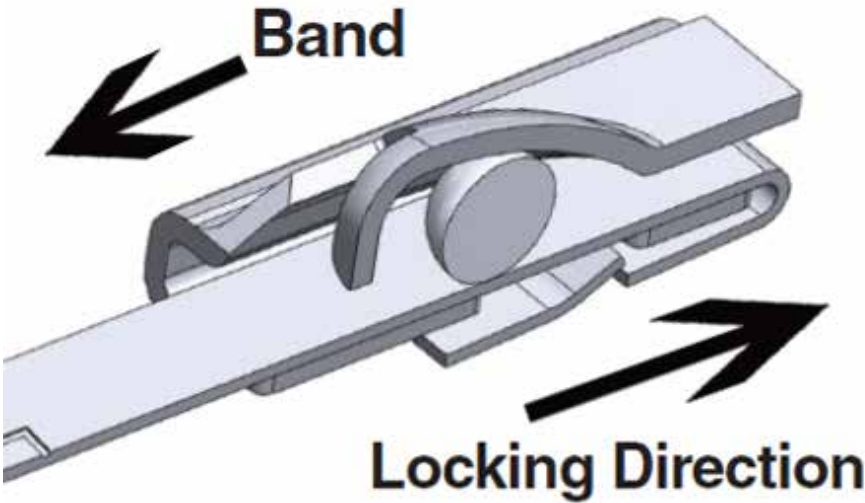
Strong self-locking mechanism (stainless steel ball),
 with low insertion force; fast, easy and reliable installation
- Application:

Used where corrosion, vibra-tion, weathering,
 radiation, and temperature are extremely concerned



更多选择：量大可按需求生产所需规格或定制长度。
 Various specification or length are available upon request.

编号 Item No.	长度 Length		宽度 Width		最大束径 Max Bundle		拉伸强度 Min.Tensile Strength		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
GWST-130ST	130	5.1	4.5	0.18	33	1.3	46	101.2	100
GWST-150ST	150	5.9	4.5	0.18	35	1.4	46	101.2	100
GWST-200ST	200	7.9	4.5	0.18	50	2.0	46	101.2	100
GWST-220ST	220	8.7	4.5	0.18	52	2.0	46	101.2	100
GWST-300ST	300	11.8	4.5	0.18	76	3.0	46	101.2	100
GWST-370ST	370	14.6	4.5	0.18	102	4.0	46	101.2	100
GWST-400ST	400	15.7	4.5	0.18	117	4.6	46	101.2	100
GWST-500ST	500	19.7	4.5	0.18	150	5.9	46	101.2	100
GWST-520ST	520	20.5	4.5	0.18	156	6.1	46	101.2	100
GWST-680ST	680	26.8	4.5	0.18	205	8.1	46	101.2	100
GWST-840ST	840	33.1	4.5	0.18	257	10.1	46	101.2	100
GWST-200HD	200	7.9	8.0	0.31	50	2.0	114	250.8	100
GWST-300HD	300	11.8	8.0	0.31	76	3.0	114	250.8	100
GWST-360HD	360	14.2	8.0	0.31	99	3.9	114	250.8	100
GWST-370HD	370	14.6	8.0	0.31	102	4.0	114	250.8	100
GWST-450HD	450	17.7	8.0	0.31	135	5.3	114	250.8	100
GWST-500HD	500	19.7	8.0	0.31	150	5.9	114	250.8	100
GWST-650HD	650	25.6	8.0	0.31	197	7.8	114	250.8	100
GWST-680HD	680	26.8	8.0	0.31	205	8.1	114	250.8	100
GWST-700HD	700	27.6	8.0	0.31	213	8.4	114	250.8	100
GWST-750HD	750	29.5	8.0	0.31	228	9.0	114	250.8	100
GWST-800HD	800	31.5	8.0	0.31	245	9.6	114	250.8	100
GWST-840HD	840	33.1	8.0	0.31	257	10.1	114	250.8	100
GWST-850HD	850	33.5	8.0	0.31	260	10.2	114	250.8	100
GWST-1020HD	1020	40.2	8.0	0.31	312	12.3	114	250.8	100



系列 Series	图示 Example
双孔式 Double loop ties	 GWB-200ST / GWB-300ST / GWB-370ST
固定锁式 Mountable head ties	 GWM-200HD / GWM-300HD / GWM-380HD
	 GWM-110M / GWM-150I / GWM-200ST / GWM-300ST/GWM-370ST
插销式 Push mount tie	 GWP-110M / GWP-130ST/GWP-170ST/GWP-190ST
	 GWP-130I
	 GWP-150I
	 GWP-200ST
	 GWRP-150HD
可退式 Releasable cable ties	 GWRN-100HD/GWRN-120HD/GWRN-150HD / GWRN-200HD/GWRN-250HD/GWRN-300HD/GWRN-370HD
	 GWRP-200I/GWRP-200ST/GWRP-300ST/GWRP-370ST/GWRP-610HD/GWRP-780HD
标示式 Marker ties	 GWK-100M/GWK-200M
	 GWK-110M/GWK-210M
	 GWK-220ST/GWK-270ST/GWK-300ST/GWK-370ST

注意事项:

尼龙扎线带是以高品质的尼龙 66 原料制造而成。尼龙原料的特性是具吸湿性也易释出水份，所以，尼龙扎线带需加水处理并密封在塑料袋，使品质维持在最适当的状态。因此，如何保存密封的扎线带是非常重要的。

1. 保存扎线带的理想环境，温度约在 23 度，湿度在 50% 以上。
2. 未使用扎线带前，请勿开封，一旦开封也请尽量在短时间使用完毕。如果未能在短时间内用完一包的数量，也请务必封包。
3. 不要将扎线带直接暴晒在太阳底下，否则，建议使用耐候性的扎线带。
4. 避免扎线带靠近热源，如加热器、暖气等产品。

How to keep cable ties?

Nylon cable ties are made of high-quality Nylon 66. The nylon material is very easy to absorb moisture and release water, therefore, nylon cable ties need to be sealed in plastic bag with little water, so that to keep the quality as a most appropriate situation. Likewise, how to store sealed cable ties is very important to be well aware of.

1. The ideal environment of storing cable ties: keep it in 23°C, humidity above 50%.
2. Do not open the sealed bag until you want to use it. Once you open one bag of cable ties, please use it up in the shortest time. If not, please remember to seal the bag.
3. Do not leave the cable ties to expose in the sunlight, otherwise, please use the weather resistant one instead.
4. Avoid the cable ties close to heat resources, such as heater or heating etc.

How to identify the item code?

In order to better identify the characteristics of each tie, the item No. of each product can be classified by the method as below:

Example: GWB-200ST

GW S - L T Q (GW is only for our factory)

S=Series	L=Length	T=Tensil	Q=Quantity
· B=Double loop ties · M=Mountable head ties · P=Push mount ties · RN=Releasable cable ties · K=Marker ties · A=Chassis ties · ST=Stainless steel cable ties	· L=Length (mm) · 200=200mm	· M=Miniature · I=Intermediate · ST=Standard · HD=Heavy Duty · EHD=Extra Heavy Duty	· X=10 pcs/bag · Q=25 pcs/bag · L=50 pcs/bag · C=100 pcs/bag · D=500 pcs/bag

01 两段式配线固定座 Self-adhesive cable clamp

材 质: UL 认证的尼龙 66

防火等级: 94V-2

颜 色: 自然色, 黑色

特 性: 阻燃 (94V-0)、防紫外线、耐高温、耐低温

用 途: 背胶式, 可快速拆卸, 固定电线, 维修方便, 不占空间

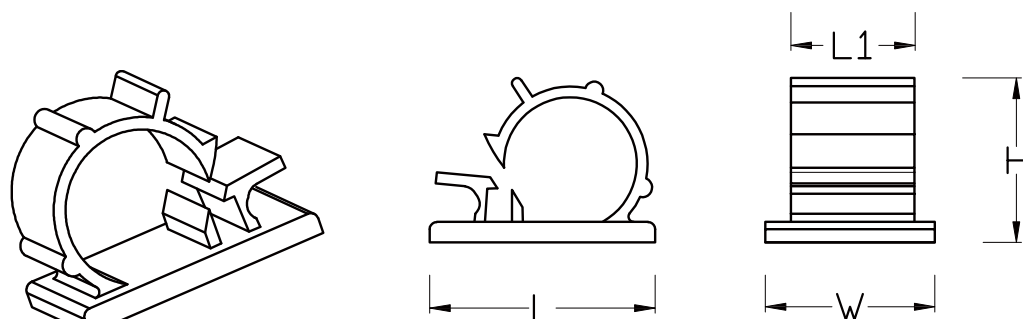
Material: UL approved Nylon 66

Fireproof: 94V-2

Color: Natural, black

Feature: Flame retardant (94V-0), UV resistant, heat-resistant, cold-resistant

Application: Backed with high-quality adhesive to fix wires, save and easy to maintenance. Two-stage lock design to accommodate different cable sizes in one clamp



编号 Item No.	L		W		H		L1		束线径 Bundle	包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[pcs]
HW-10A	21.5	0.8	17.0	0.7	15.0	0.6	12.0	0.5	9-12	100
HW-11A	21.5	0.8	18.0	0.7	12.3	0.5	8.4	0.3	8-9	100

02 扣式扭线环 Clip twist tie

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40°C ~ 85°C

(- 40 °F ~ 185 °F)

颜 色: 白色, 其他颜色可定制

特 性: 可重复使用, 易于电缆绑扎; 圆头设计不会损坏电缆

用 途: 插入电缆并拧上固定

Material: UL approved Nylon 66

Fireproof: 94V-2

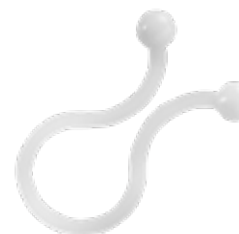
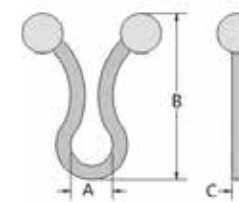
Operating temperature:

-40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, other colors are available upon request

Feature: Reusable and releasable for easy cable bundling. Round head design will not damage the cable

Application: Insert cables and twist to fix



编号 Item No.	A	B	C	束线径 Bundle Diameter Φ	包装 Pack Quantity
	[mm]	[mm]	[mm]	[mm]	[pcs]
TH-H	14.8	34	1.9	15	100

03 尼龙隔藤固定带 Nylon fixing tie for vines

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -40°C ~ 85°C (- 40 °F ~ 185 °F)

颜 色: 白色, 黑色

特 性: 可轻松变形, 易固定和取下; 倒勾设计不易掉落, 提高工作效率

用 途: 作用于花园、花卉、蔬菜等藤蔓植物的种植固定

Material: UL approved Nylon 66

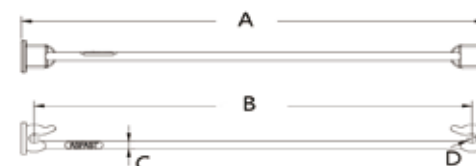
Fireproof: 94V-2

Operating temperature: -40°C to 85°C (- 40 °F to 185 °F)

Color: Natural, black

Feature: It is flexible and easy to fix and remove, thanks to the inverted hook design, it is fixed tightly

Application: Agricultural plant vines tied buckle fixed lashing hooks greenhouse garden flower ties



编号 Item No.	A	B	C	D	包装 Pack Quantity
	[mm]	[mm]	[mm]	[mm]	[pcs]
QX-AGFAST	65±0.5	60±0.2	2±0.1	2±0.2	1000
QX-ASFAST	97±0.5	92±0.2	2±0.1	2±0.2	1000

04

R 型线夹
R-clamp

材 质: UL 认证的尼龙 66

防火等级: 94V-2

颜 色: 自然色, 黑色

特 性: 阻燃 (94V-0)、防紫外线、耐高温、耐低温

用 途: 将电线或电缆放进固定钮中, 再用螺丝固定于基板

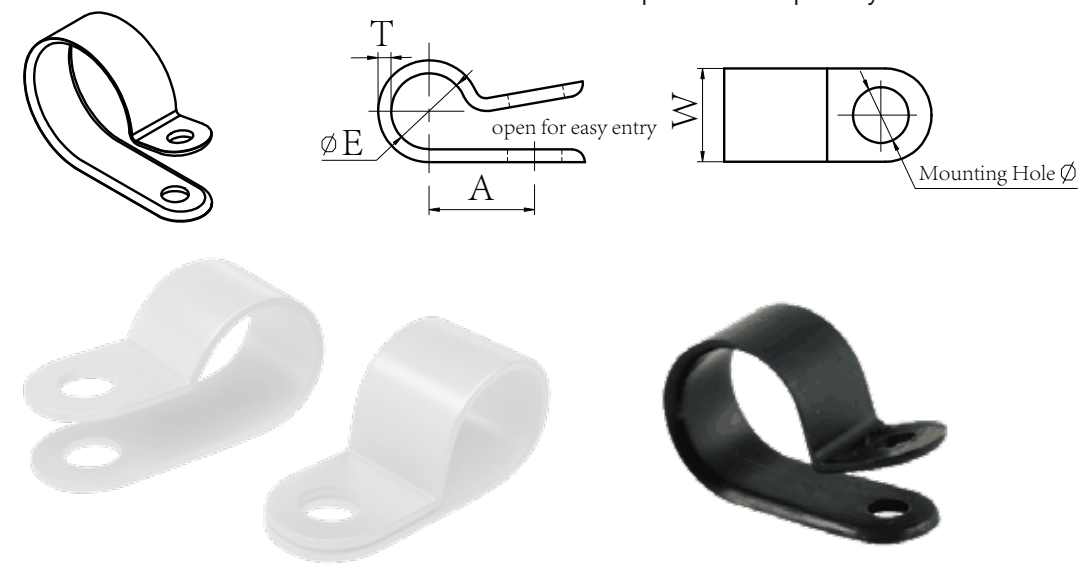
Material: UL approved Nylon 66

Fireproof: 94V-2

Color: Natural, black

Feature: Flame retardant (94V-0), UV resistant, heat-resistant, cold-resistant

Application: Put the electric wire or cable into the clamp and fix the clamp on the base plate by screws



编号 Item No.	A		W		T		最大束线径 Max Bundle Φ		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[pcs]
GCL-1/8SC	8.2	0.32	9.1	0.36	1.27	0.05	3.3	0.03	100
GCL-3/16SC	9.6	0.38	9.1	0.36	1.27	0.05	4.8	0.19	100
GCL-1/4SC	10.3	0.40	9.1	0.36	1.27	0.05	6.6	0.26	100
GCL-5/16SC	10.6	0.42	9.1	0.36	1.27	0.05	7.8	0.31	100
GCL-1/8C	9.1	0.36	12.7	0.50	1.50	0.06	2.9	0.11	100
GCL-1/4C	11.4	0.45	12.7	0.50	1.50	0.06	5.9	0.23	100
GCL-3/8SC	11.9	0.47	9.2	0.36	1.27	0.05	9.7	0.38	100
GCL-3/8C	13.4	0.53	12.7	0.50	1.50	0.06	9.1	0.36	100
GCL-9/16C	15.8	0.62	12.7	0.50	1.50	0.06	13.8	0.54	100
GCL-1/2C	15.0	0.59	12.7	0.50	1.50	0.06	12.2	0.48	100
GCL-3/4C	19.8	0.78	12.7	0.50	1.50	0.06	18.6	0.73	100
GCL-7/8C	21.4	0.84	12.7	0.50	1.50	0.06	21.8	0.86	100
GCL-1C	22.0	0.87	12.7	0.50	1.50	0.06	27.5	1.08	100
GCL-1 1/4C	27.0	1.06	13.0	0.51	5.50	0.22	33.0	1.30	100

05

扎线固定座
Saddle tie mount

材 质: UL 认证的尼龙 66

防火等级: 94V-2

颜 色: 自然色, 黑色

特 性: 阻燃 (94V-0)、防紫外线、耐高温、耐低温

用 途: 用螺丝将固定座固定, 再用扎线带从孔中绑住电线或电缆

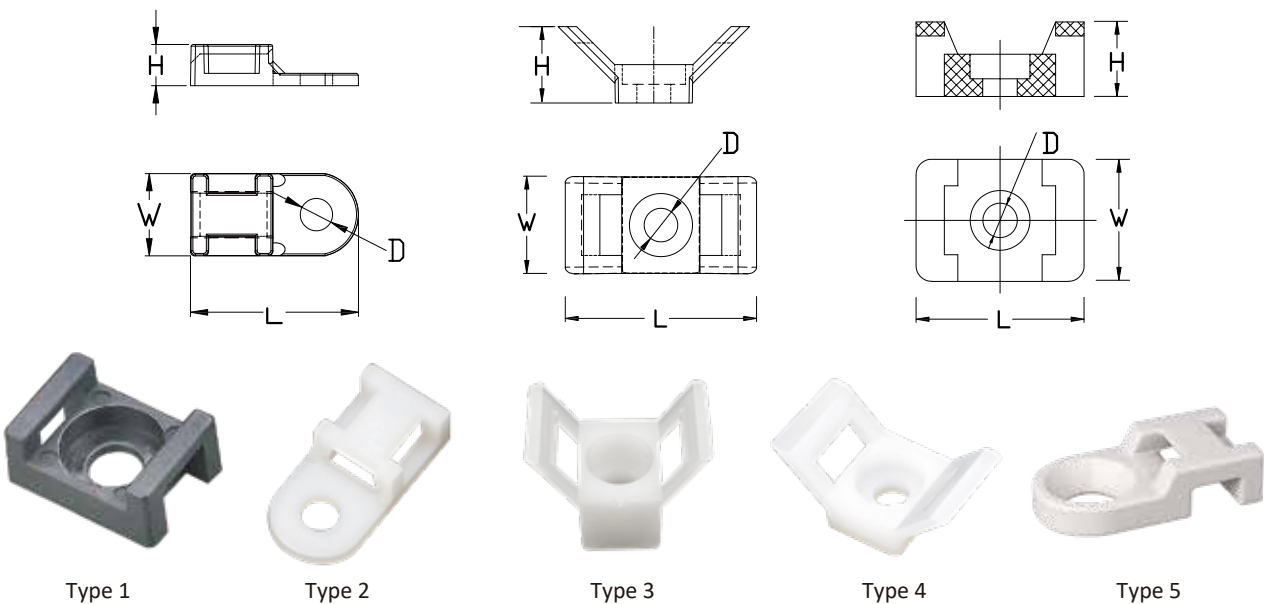
Material: UL approved Nylon 66

Fireproof: 94V-2

Color: Natural, black

Feature: Flame retardant (94V-0), UV resistant, heat-resistant, cold-resistant

Application: Fix the mounting seat with screws; thread the cable tie into the seat holes and tie up electric wire or cable thereon



编号 Item No.	类型 Type	L	W	H	孔径 Hole Diameter	适用扎带型号 Suitable Ties	包装 Pack Quantity
		[mm]	[mm]	[mm]	[mm]		[pcs]
TM-2S6	Type 1	14.9	9.5	7.2	3.7	"ST" Ties	100
TM-2S8		14.9	9.5	7.2	4.5		100
TM-3S8		21.9	15.9	9.7	4.5	"HD" Ties	100
TM-3S10		21.9	15.9	9.7	5.0		100
TM-3S25		21.9	15.9	9.7	6.4		100
TM-1S8		18.0	13.0	8.2	5.0	"HD" Ties	100
HC-0	Type 2	19.7	9.5	5.0	3.8	"ST" Ties	100
HC-3	Type 3	22.4	13.9	17.5	9.5	"HD" Ties	100
HC-4	Type 4	29.7	15.0	11.7	5.2	"HD" Ties	100
HC-OR	Type 5	19.1	10.0	6.2	5.5	"HD" Ties	100

06 粘式束线固定座 Self-adhesive tie mount

材 质: UL 认证的尼龙 66

防火等级: 94V-2

颜 色: 自然色, 黑色

特 性: 阻燃 (94V-0)、防紫外线、耐高温、耐低温

用 途: 撕开背胶即可定于平板上, 再以束带穿入即可做固定作用

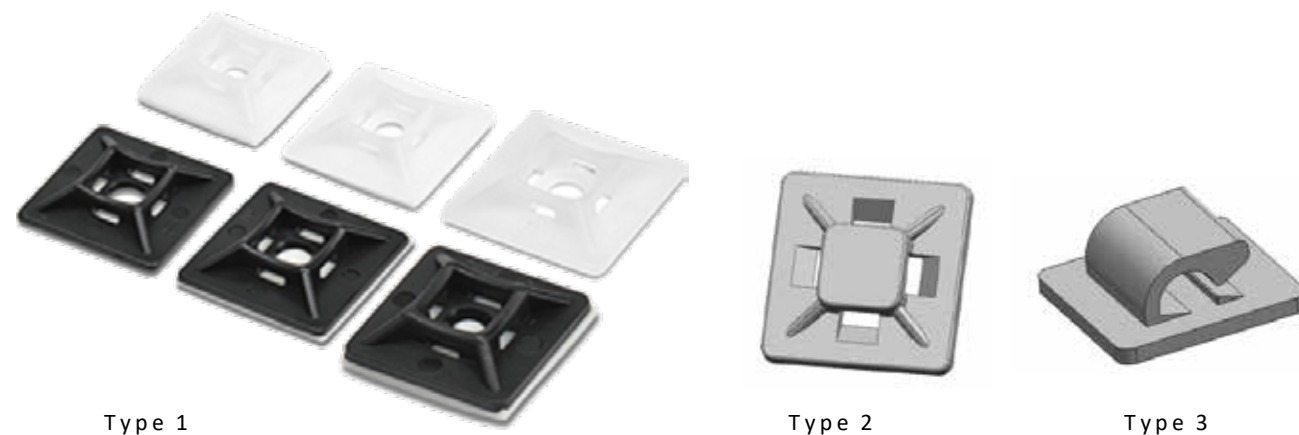
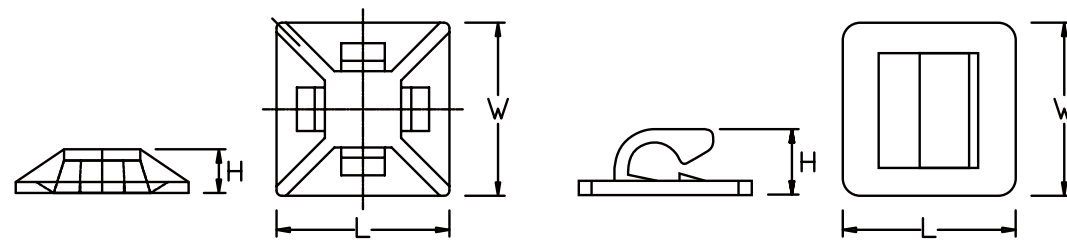
Material: UL approved Nylon 66

Fireproof: 94V-2

Color: Natural, black

Feature: Flame retardant (94V-0), UV resistant, heat-resistant, cold-resistant

Application: Just peel off the backing paper and mount on the flat place. The cable tie can be inserted to fix wires



编号 Item No.	类型 Type	L [mm]	W [mm]	H [mm]	束带穿孔 Tie Hole [mm]	螺丝孔 Screw Hole [mm]	适用扎带型号 Suitable Ties	包装 Pack Quantity [pcs]
HW-2A	Type 1	12.7	12.7	3.2	3.2	—	"M" Ties	100
HW-3A		19.0	19.0	4.4	4.0	3.5	"I" Ties	100
HW-4A		28.0	28.0	5.7	5.3	5.0	"ST" Ties	100
HC-101	Type 2	21.1	21.1	4.0	4.5	—	"I" Ties	100
CC-16	Type 3	16.0	16.0	6.1	—	—	—	100

07 束带固定座 Cable tie holders

材 质: UL 认证的尼龙 66

防火等级: 94V-2

颜 色: 自然色, 黑色

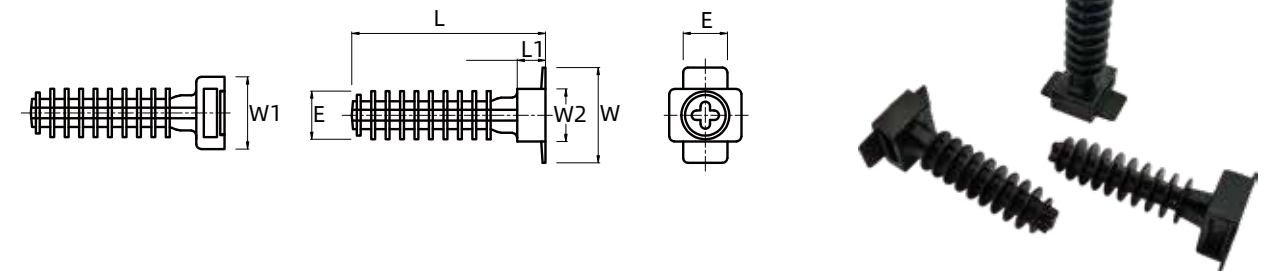
用 途: 可固定于墙壁, 与束线带配合使用, 此设计适用于孔径 Ø8

Material: UL approved Nylon 66

Fireproof: 94V-2

Color: Natural, black

Application: Cable tie can be inserted to secure wire bundles. For wall plug Ø8 hole diameter



型号 Item No.	L [mm]	L1 [mm]	W [mm]	W1 [mm]	E [mm]	W2 [mm]	包装 Pack Quantity [pcs]
TH-2	40.5	5.9	20	15	9.5	10.9	100

08 尼龙隔离束线座 Nylon dividing wire saddle

材 质: UL 认证的尼龙 66

防火等级: 94V-2

颜 色: 自然色, 黑色

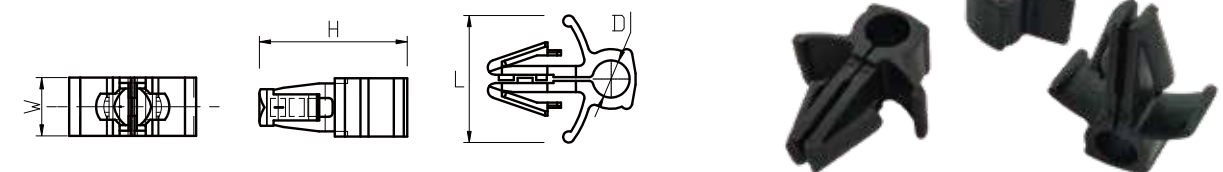
用 途: 易于安装固定, 广泛应用于电脑、电器、通讯机箱柜, 起固定、整理电线作用

Material: UL approved Nylon 66

Fireproof: 94V-2

Color: Natural, black

Application: Easy to install and fix, the product can be used widely in computer, electronics and communication cabinets to fix wires



型号 Item No.	L [mm]	H [mm]	w [mm]	D [mm]	包装 Pack Quantity [pcs]
SRC-1	17	19.8	7.8	5	1000

01

带圆盘和杉树头的一体式固定扎带，适用于圆孔

One-piece fixing tie with fir tree and disc, suitable for the round hole

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色

操作温度: -40℃ ~ 85℃
(- 40 °F ~ 185 °F)

固定方式: 杉树型固定，固定时可以防止水和灰尘的侵入，另外，一根扎带即可对应广范围板厚安装

产品说明: · 适用于带螺纹的盲孔
· 圆盘设计可调节扎带各个方向的压力，有效减少灰尘进入
· 扎带头始终处于固定位置
· 无需使用工具即可轻松安装

Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method:Fir tree for round holes, Fixed process can prevent the intrusion of water and dust, Fir tree foot part can be used for a variety of panel thicknesses

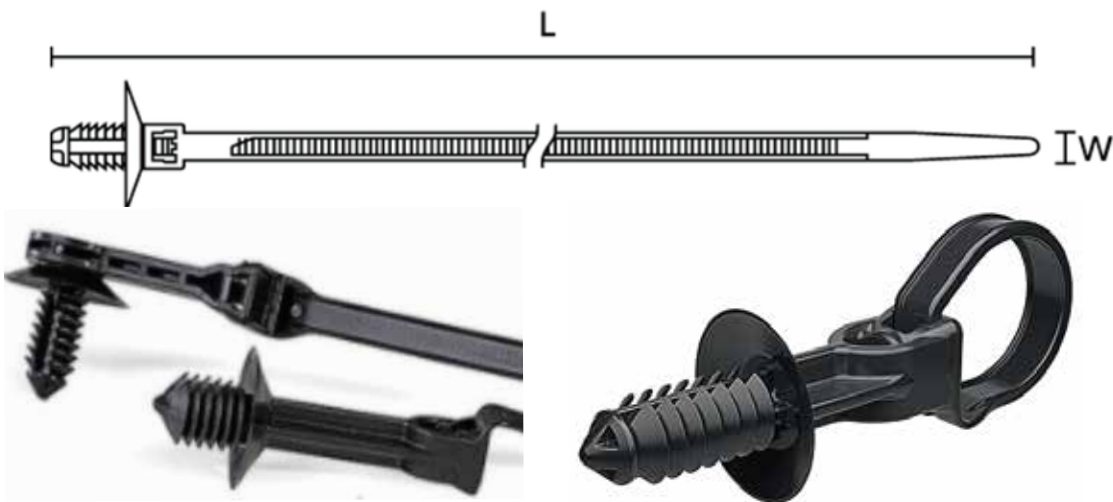
Product description:

· Suitable for use within threaded holes

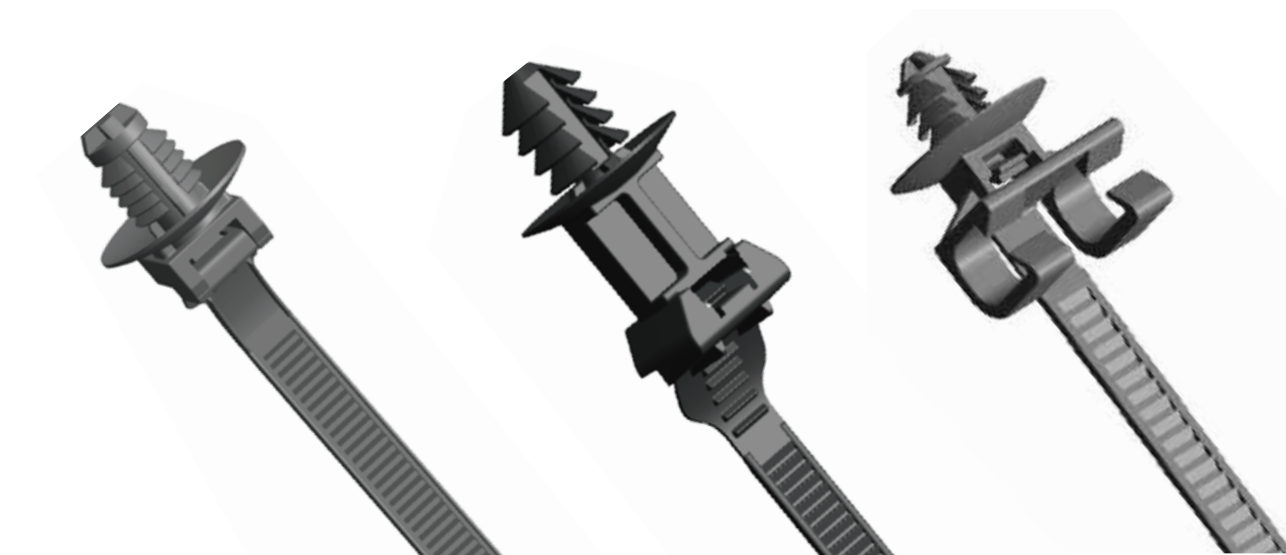
· Fir tree for round holes, Disc adjusts tie for pressure from various directions and minimizes access of dust and dirt

· Cable tie head always situated in defined position

· Easy to assemble without the need for a tool



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用 孔径 Hole (Φmm)	最大板材 厚度 Max.Panel Thickness (mm)	圆盘 Disc (Φmm)	最大捆绑 直径 Max.Bundle (mm)	环形拉断 强度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX9114101		5.4	180	6.6-7	4.5	16	45	180	100
QX157-00128		4.7	160	6.3-7	4.2	16	35	180	100
QX9101501		7.1	175	6.5-7	3.5	16	40	180	100
QX9113601		4.8	180	6.8-7.5	4	16	45	180	100
QX157-00279		4.6	163	8.0-8.5	6	16	35	180	100
QX157-00216		5.1	234	6.1-6.9	6	16	50	180	100
QX157-00215		4.7	215	6.1-7	6.6	16	50	180	100



04

带箭头和圆盘的一体式固定扎带，适用于椭圆孔

One-piece fixing ties with arrowhead, with disc

For oval hole

- 材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色

操作温度: -40℃ ~ 85℃
(- 40 °F ~ 185 °F)

固定方式: 箭头型固定，固定时可以防止水和灰尘的侵入，箭头设计，轻松锁紧；

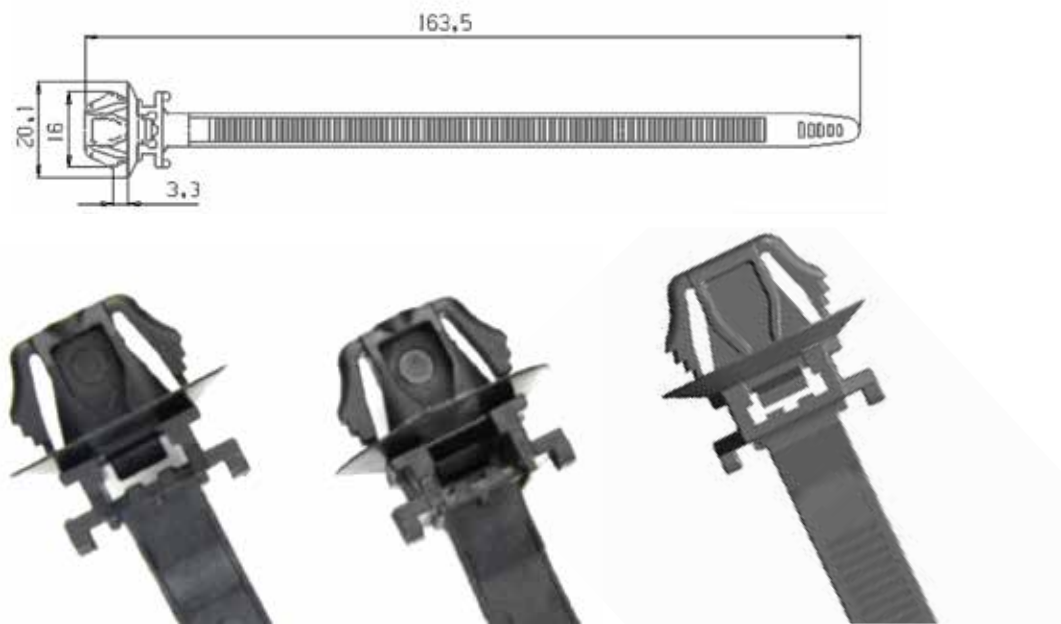
产品说明: · 具有防扭保护功能；
· 圆盘设计可调节扎带各个方向的压力，减少灰尘和污垢进入；
· 扎带头始终处于固定位置；
· 无需使用工具即可轻松安装
- Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: the arrow type fixed, fixed can prevent the intrusion of water and dust, arrow design, easy to lock

Product description:
· With a shake protection function;
· Disc design can adjust the pressure of cable tie in all directions, reduce entrance of dust and dirt;
· Calbe head is always in a fixed position;
· They can be easily installed without using tools



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用孔径 Hole (Φmm)	最大捆绑直径 Max.Bundle (mm)	环形拉断强度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX9104302		7	160	7*12	35	180	100

05

带箭头和圆盘的一体式固定扎带，适用于椭圆孔

One-piece fixing ties with arrowhead, with disc

For oval hole

- 材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色

操作温度: -40℃ ~ 85℃
(- 40 °F ~ 185 °F)

固定方式: 箭头型固定，轻松锁紧；有不同尺寸的适用板厚和孔径大小可供选择

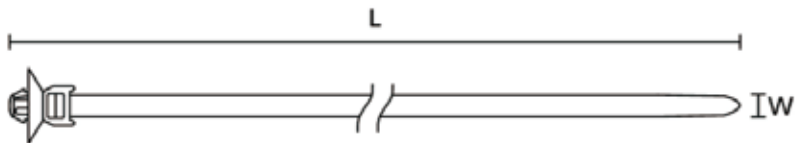
产品说明: · 圆盘设计可调节扎带各个方向的压力，减少灰尘进入
· KSFT 型特殊圆形箭头设计缩小安装高度
· 箭头设计，轻松锁紧
· 扎带头始终处于固定位置
· 无需使用工具即可轻松安装
- Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: Arrow type fixed, relaxed lock; offering a variety of panel thicknesses and hole sizes to suit all kinds of application

Product description:
· Easy to install without the need for a tool
· Arrowhead simply locks into place
· Disc adjusts tie for pressures from various directions and minimizes ingress of dust and dirt
· Cable tie head always situated in a defined position
· KSFT-types with specially rounded arrowhead minimize the assembly height



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用孔径 Hole (Φmm)	最大板材厚度 Max.Panel Thickness (mm)	最大捆绑直径 Max.Bundle (mm)	环形拉断强度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX126-00218		4.6	160	6.3-6.7	1.3	35	225	100

10

一体式焊接螺栓固定扎带

One-piece fixing ties for weld studs

材 质: UL 认证的尼龙 66, 阻燃等级 94V-2

颜 色: 黑色

操作温度: -40℃ ~ 85℃

(- 40 °F ~ 185 °F)

固定方式: 适用于需要焊接螺栓或 ISO 螺栓来捆绑固定的各种应用

- 产品说明:
- 线束固定在螺栓上方, 与面板保持一定距离; 或者紧靠螺栓
 - 扎带头始终处于固定位置
 - 无需使用工具即可轻松安装

Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: can be used in a wide variety of applications where weld studs or ISO bolts are used and cables need to be bundled and secured.

Product description:

- Cable tie head always situated in defined position
- Easy to install without the need for a tool
- Bundles are routed very close to stud, cable routing alongside the stud



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用孔径 Hole (Φmm)	最大捆绑直径 Max.Bundle (mm)	环形拉断强度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX157-00210		4.7	160	5	35	225	100
QX157-00207		4.7	160	5	35	225	100
QX157-00066		5.7	175	M8	35	150	100
QX9114201		4.7	160	M6	35	225	100

11

并行布线适用的电缆扎带

Cable ties for parallel routing

材 质: UL 认证的尼龙 66, 阻燃等级 94V-2

颜 色: 黑色

操作温度: -40℃ ~ 85℃

(- 40 °F ~ 185 °F)

固定方式: 适用于两条并行但分离的电缆线束

- 产品说明:
- 内外齿“8”字型设计, 一根扎带即可分开捆绑
 - 最大捆绑直径是组合捆绑的最大值
 - 多种材料可供选择
 - 手动或使用工具捆绑, 操作方便

Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

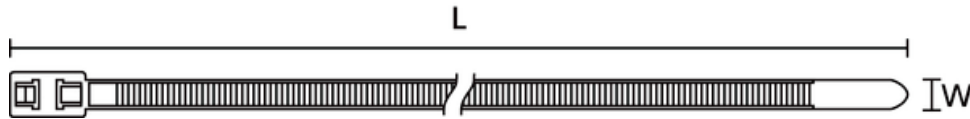
Fixation Method: Double loop head ties are ideal for separation of two cable runs without the need for additional cable ties

Product description:

- Possibility to separate bundles with only one cable tie
- Cable tie with two heads creating an inside and outside serrated loop

Available in a wide range of materials

- Bundles can be of different diameter
- Maximum bundle diameter is a maximum combined bundle
- Easy application either manually or with a processing tool



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	最大捆绑直径 Max.Bundle (mm)	环形拉断强度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX117-05050		4.7	210	38	225	100

12 带管夹的分体式固定扎带，可 360°旋转 Two-piece fixing ties with pipe clip Twistable 360°

材 质：UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色：黑色

操作温度：-40℃ ~ 85℃ (- 40 °F ~ 185 °F)

固定方式：可将电线或软管连接到已有线束，电线或软管相对于主线束可沿任何方向进行 360° 旋转

产品说明：可简单地夹在电线或软管上；电缆线束相对于固定点可以沿任何电缆方向移动

Materials: UL approved nylon 66, Flame Resistance 94v-2

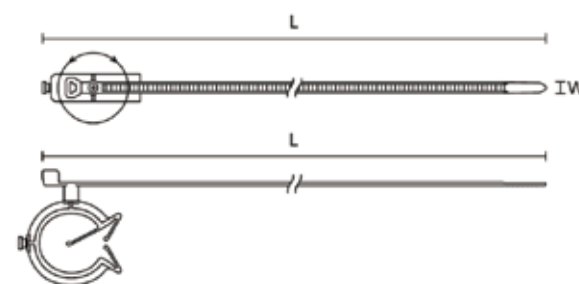
Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: These inside serrated fixing ties provide the opportunity to attach a wire or hose to an existing harness. Offering a full 360 degrees rotation, the wire/hose can be oriented in any direction in relation to the main harness.

Product description:

- Simply clip on a wire or hose
- Fixing clip offers full 360° rotation
- Routed cable can move in any direction in relation to the fixing point
- Inside serrated cable tie
- Ideally used in the Automotive Industry



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	最大捆绑直径 Max.Bundle (mm)	环形拉断强度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX156-00772		4.7	155	35	180	100
QX156-01032		4.7	155	35	180	100
QX156-00696		4.7	155	35	180	100

13 带管夹的分体式固定扎带，可 90°旋转 Two-piece fixing ties with pipe clip Twistable 90 fixing

材 质：UL 认证的尼龙 66, 耐燃等级 94V-2

操作温度：-40℃ ~ 85℃ (- 40 °F ~ 185 °F)

颜 色：黑色

固定方式：可转 90°安装

产品说明：

- 适用于预先安装电缆后附加电缆线束的安装
- 多方位扭转，灵活布线

Materials: UL approved nylon 66, Flame Resistance 94v-2

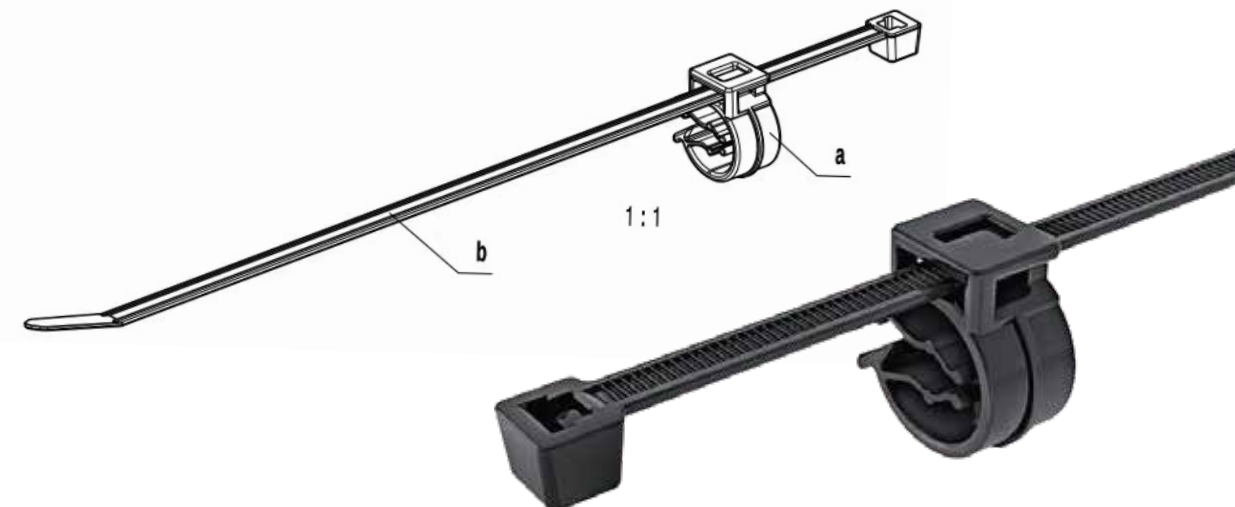
Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: Omega Clips, turn 90 ° installation

Product description:

- For addition of cables to preassembled cable looms
- Variety of twist angles and loop directions provides flexibility for cable routing



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用孔径 Hole (Φmm)	最大捆绑直径 Max.Bundle (mm)	包装 Pack Quantity (pcs/bag)
QX156-01145		4.6	202	4-10	45	100

14

分体式焊接螺栓固定扎带
Two-piece fixing ties for weld studs

- 材 质:** UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色

操作温度: -40℃ ~ 85℃
(- 40 °F ~ 185 °F)

固定方式: 适用于需要 5mm 焊接螺栓或 5mm ISO 螺栓来捆绑固定的各种应用

产品说明:

 - 圆盘设计在固定时保证绝缘
 - 椭圆形孔可横向调节
 - 螺栓固定件可预先安装
 - 捆绑后扎带头可移动
 - 无需使用工具即可轻松安装
- Materials:** UL approved nylon 66, Flame Resistance 94v-2

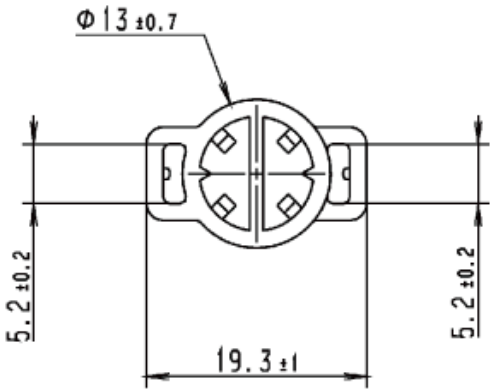
Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: can be used in a wide variety of applications where 5mm weld studs or 5mm ISO bolts are used and cables need to be bundled and secured

Product description:

 - Pre-assembled with cable tie and weld stud mounting base
 - Quick and easy installation
 - Head rotates into perfect position for installation
 - 'Soft-push' design for tool-free installation
 - Mushroom-shaped SBH handles insulation or a sound-deadening blanket
 - SBS ideal for installation prior to attaching cable (i.e. no lateral tolerances required)
 - SB5 allow lateral tolerance for fixing point



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用孔径 Hole (Φmm)	最大捆绑直径 Max.Bundle (mm)	包装 Pack Quantity (pcs/bag)
QX156-00768		4.6	200	8	45	100

15

带杉树头的管夹类分体式固定扎带
Two-piece fixing ties with a fir tree pipe clip

- 材 质:** UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色

操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

固定方式: 杉树型固定, 固定时可以防止水和灰尘的侵入

产品说明:

 - 无需使用工具即可轻松安装
 - 捆绑直径固定
 - 管夹可夹入孔内
 - 便于线束后期安装
- Materials:** UL approved nylon 66, Flame Resistance 94v-2

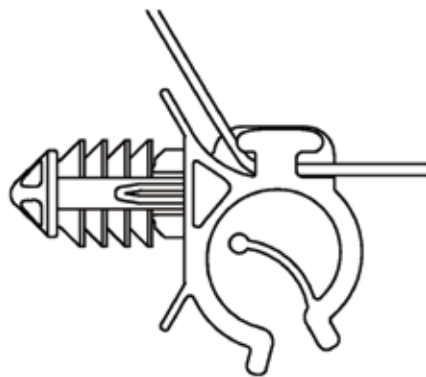
Color: Black

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: The fasteners interconnect two different bundles of goods, of various size and type. The mobility of the fixing provides a secure grip and protects the cables or bundles, even in difficult conditions.

Product description:

 - Pre-assembled two piece fixing tie
 - Easy to install without the need for a tool
 - Bundle diameter is defined
 - Clips to be attached into bore hole
 - Suitable for post-installation of bundles



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用孔径 Hole (Φmm)	最大捆绑直径 Max.Bundle (mm)	环形拉断强度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX156-01551		4.6	150	5.0-9.0	30	225	100

16 带圆盘和杉树头的分体式固定扎带 适用于圆孔 Two-piece fixing ties with fir tree, with disc For round holes

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色

操作温度: -40°C ~ 85°C (- 40 °F ~ 185 °F)

固定方式: 杉树型固定, 固定时可以防止水和灰尘的侵入

产品说明: · 杉树头固定件可预先组装

- 适用于带螺纹的盲孔
- 圆盘设计可调节扎带各个方向的压力, 减少灰尘和污垢进入
- 箭头设计, 轻松锁紧
- 捆绑后扎带头可移动
- 无需使用工具即可轻松安装

Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black

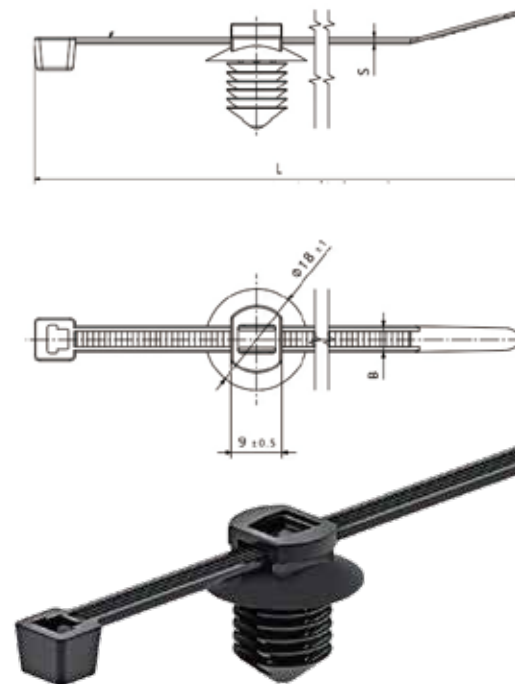
Operating temperature: -40°C ~ 85°C (- 40 °F ~ 185 °F)

Fixation Method: The two-piece design enables the head of the tie to be orientated to the required position to ease assembly, whilst the 'disc' on the top of the fir tree covers the hole and minimizes the ingress of water and dirt.

Product description:

- Pre-assembled 2-piece fixing tie with fir tree foot part
- Cable tie head can be moved after bundling
- Easy to assemble without the need for a tool
- Disc adjusts tie for pressure from various directions and minimizes access of dust, dirt and water
- Fir tree foot part can be used for a variety of panel thicknesses

Suitable for use within threaded holes



编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	圆盘 Disc (Φmm)	适用 孔径 Hole (Φmm)	最大板材 厚度 Max.Panel Thickness (mm)	最大捆绑 直径 Max.Bundle (mm)	环形拉断强 度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX156-00290		4.6	200	18	9.7-10	5	45	225	100

17 分体式焊接螺栓固定扎带, 带圆盘 Two-piece fixing ties for weld studs, with disc For isolation material

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色

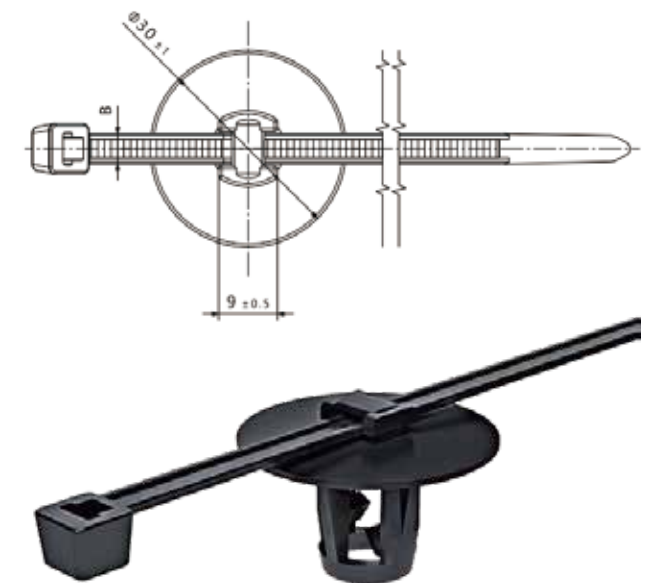
操作温度: -40°C ~ 85°C

(- 40 °F ~ 185 °F)

固定方式: 适用预备 5 毫米焊接螺柱或 5 毫米 ISO 螺栓和电缆需要被捆扎并固定。

产品说明:

- 焊接螺栓安装座可预先安装
- 手推式, 快速捆绑, 便于安装
- 头部旋转到最佳位置进行安装



Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black

Operating temperature: -40°C ~ 85°C (- 40 °F ~ 185 °F)

Fixation Method: these parts can be used in a wide variety of applications where 5mm weld studs or 5mm ISO bolts are used and cables need to be bundled and secured

Product description:

- Pre-assembled with cable tie and weld stud mounting base
- Quick and easy installation
- Head rotates into perfect position for installation
- 'Soft-push' design for tool-free installation
- Mushroom-shaped SBH handles insulation or a sound-deadening blanket
- SBS ideal for installation prior to attaching cable (i.e. no lateral tolerances required)
- SB5 allow lateral tolerance for fixing point

编号 Item No.	示意图 Sketch Map	宽度 W (mm)	长度 L (mm)	适用孔径 Hole (Φmm)	最大捆绑直径 Max.Bundle (mm)	环形拉断强 度(最小值) Min.loop Tensile Strength (N)	包装 Pack Quantity (pcs/bag)
QX150-92904		4.6	200	5	45	225	100

18 带杉树头的固定管夹，适用于圆孔

Bundling clips with fir tree

For round holes

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色 / 白色

操作温度: -40℃ ~ 85℃

(- 40 °F ~ 185 °F)

固定方式: 杉树型固定，固定时可以防止水和灰尘的侵入

产品说明:

- 无需使用工具即可轻松安装
- 杉树头固定座适用于不同的板厚
- 适用于螺纹孔
- 孔上方的圆盘设计有效减少灰尘和污垢进入
- 线束与固定座分隔一定的距离

Materials: UL approved nylon 66, Flame Resistance 94v-2

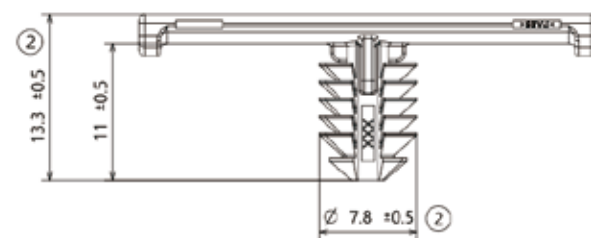
Color: Black/white

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: Widespread use in cable harness production; a quick and easy means of fixing cables and lines securely in various parts of cars.

Product description:

- Bundling Clip for round holes 6.5 mm.
- Easy to install without the need for a tool
- One fir tree foot part can be used for a variety of panel thicknesses
- Suitable for use within threaded holes
- Holding tabs prevent the tie slipping sideways
- Versions for oval holes feature anti-twist protection



编号 Item No.	示意图 Sketch Map	长度 L (mm)	适用孔径 Hole (Φmm)	最大板材厚度 Max.Panel Thickness (mm)	包装 Pack Quantity (pcs/bag)
QX151-00942		37	6.3-7	5.1	100
QX151-01215		55	6.3-7	5.1	100
QX151-008207		55	6.3-7	5.1	100
QX151-00830		50	6.5-7	2.5	100
QX151-00790		27	6.3-7	4	100

19 带杉树头的固定管夹，适用于椭圆孔

Bundling clips with fir tree

For oval holes

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色 / 白色

操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

固定方式: 杉树型固定，固定时可以防止水和灰尘的侵入

产品说明: · 无需使用工具即可轻松安装，

- 杉树头固定座适用于不同的板厚
- 适用于螺纹孔
- 孔上方的圆盘设计有效减少灰尘和污垢进入
- 线束与固定座分隔一定的距离

Materials: UL approved nylon 66, Flame Resistance 94v-2

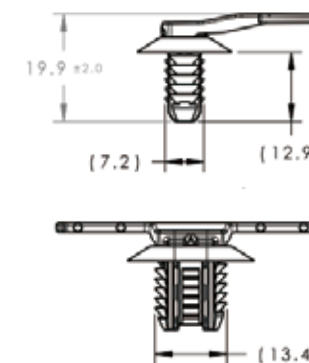
Color: Black/white

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: Widespread use in cable harness production; a quick and easy means of fixing cables and lines securely in various parts of cars.

Product description:

- Easy to install without the need for a tool
- One fir tree foot part can be used for a variety of panel thicknesses
- Suitable for use within threaded holes
- Holding tabs prevent the tie slipping sideways



编号 Item No.	示意图 Sketch Map	长度 L (mm)	适用孔径 Hole (Φmm)	最大板材厚度 Max.Panel Thickness (mm)	包装 Pack Quantity (pcs/bag)
QX151-01281		55	7.0*12	6	100
QX151-01269		50	6.5*13.0	6.7	100
QX151-01213		50	7.0*12	6	100
QX151-00629		56	6.5-7	5.7	100

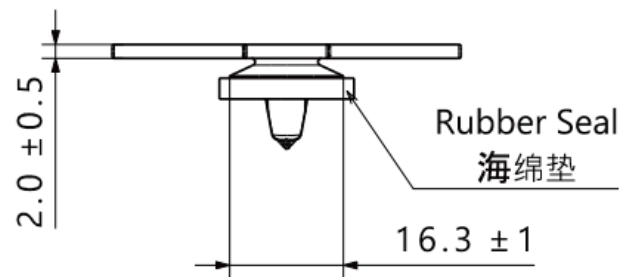
20 带箭头的固定管夹，适用于圆孔 带密封圈 Bundling clips with arrowhead For distance routing, round holes, sealed

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2
颜 色: 黑色 / 白色
操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)
固定方式: 箭头型固定，密封圈可以防止水和灰尘的侵入
产品说明:

- 无需使用工具即可轻松安装
- 扎带头始终处于固定位置
- 带密封圈的可调节扎带
- 可承受来自各个方向的压力，并最大程度减少灰尘和污垢的进入

Materials: UL approved nylon 66, Flame Resistance 94v-2
Color: Black/white
Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)
Fixation Method: arrowhead fixation, Sealing ring can prevent the intrusion of water and dust
Product description:

- Always can be easily installed without using tools and cable tie head in a fixed position,
- the adjustable tie with seals,
- under pressure from all directions,
- minimize dust and dirt to enter



编号 Item No.	示意图 Sketch Map	长度 L (mm)	适用孔径 Hole (Φmm)	最大板材厚度 Max.Panel Thickness (mm)	包装 Pack Quantity (pcs/bag)
QX151-01067		50	6.3-6.7	1.6	100
QX151-01255		50	7.0*12	2	100

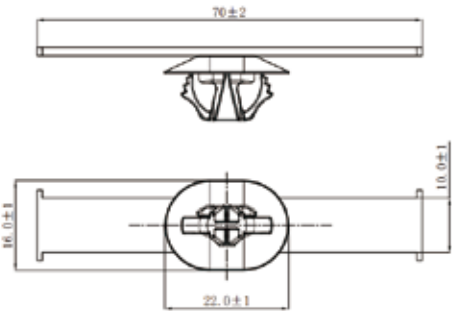
21 带箭头的固定管夹，适用于椭圆孔 Bundling clips with arrowhead For oval holes

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2
颜 色: 黑色 / 白色
操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)
固定方式: 箭头型固定，密封圈可以防止水和灰尘的侵入
产品说明:

- 特别适用于电缆和线束的捆绑，
- 可使用电缆扎带或胶带固定多种基本几何形状
- 适用于各种金属规格和孔径

Materials: UL approved nylon 66, Flame Resistance 94v-2
Color: Black/white
Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)
Fixation Method: arrowhead fixation, Sealing ring can prevent the intrusion of water and dust
Product description:

- Particularly applicable to cable and wire bundle
- can use cable tie or tape fixed
- a variety of basic geometric shape, suitable for all kinds of metal specifications and aperture



编号 Item No.	示意图 Sketch Map	长度 L (mm)	适用孔径 Hole (Φmm)	最大板材厚度 Max.Panel Thickness (mm)	包装 Pack Quantity (pcs/bag)
QX151-01036		70	7.0-12	3.2	100
QX9209202		52.6	7.0-12	2.2	100
QX9209403		41	7.0-12	3	100
QX9220301		42	7.0-12	3	100

22

可横向调整的焊接螺柱固定管夹
Bundling clips for weld studs, lateral adjustment

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色 / 白色

操作温度: -40℃ ~ 85℃
(- 40 °F ~ 185 °F)

产品说明:

- 扁平设计,
- 适用于 5mm 焊接螺柱
- 水平长度公差补偿
- 适用于减小重量和直径的电缆线束

Materials: UL approved nylon 66, Flame Resistance 94v-2

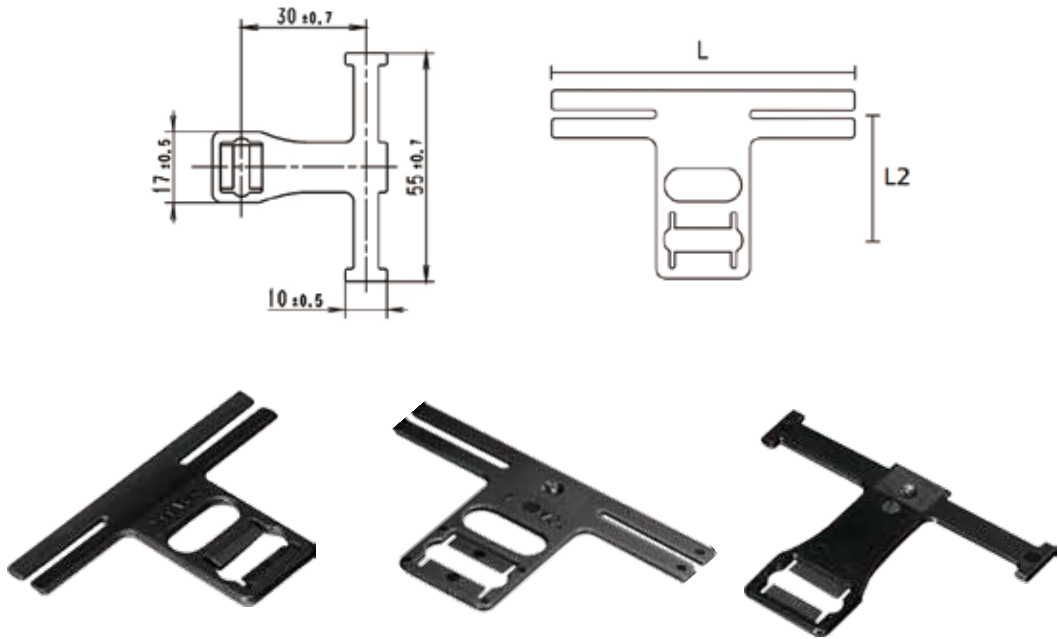
Color: Black/white

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: Weld Stud Fixing

Product description:

- Flat design, suitable for welding stud level 5 mm
- length tolerance compensation
- applicable to reduce the weight and the diameter of the cable harness



编号 Item No.	示意图 Sketch Map	长度 L 1 (mm)	长度 L2 (mm)	适用 螺柱 Stud (Φ mm)	包 装 Pack Quantity (pcs/bag)
QX151-00016		55	30	5	100

23

适用于圆孔的连接器卡扣，带杉树头
Connector clips for round holes with fir tree head

材 质: UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色 / 白色

操作温度: -40℃ ~ 85℃
(- 40 °F ~ 185 °F)

固定方式: 箭头型固定，密封圈可以防止水和灰尘的侵入

产品说明:

- 手推式，推入即可轻松安装
- 可无损伤的拆卸，可重复利用
- 杉树头部分适用于各种板厚
- 圆盘设计有效减少灰尘和污垢进入
- 扭转保护

Materials: UL approved nylon 66, Flame Resistance 94v-2

Color: Black/white

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: fir tree fixing, The connector clips used here have been designed for electronic cables and cable sets used in the automotive industry.

Product description:

- Connector easily installed by simply pushing into place
- Connection can be released (non-destructive)
- One fir tree foot part can be used for a variety of panel thicknesses
- For twist protection:



编号 Item No.	示意图 Sketch Map	适用孔径 Hole (Φmm)	最大板材厚度 Max.Panel Thickness (mm)	包装 Pack Quantity (pcs/bag)
QX151-01279		6.4-7.1	5.1	100

24

适用于椭圆孔的连接器卡扣，带杉树头
Connector clips for oval holes with fir tree head

- 材 质:** UL 认证的尼龙 66, 耐燃等级 94V-2

颜 色: 黑色 / 白色

操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

固定方式: 杉树型固定, 固定时可以防止水和灰尘的侵入

产品说明:

 - 用手轻推即可轻松固定安装
 - 可无损伤拆卸, 重复利用
 - 操作简便, 易于组装
 - 适用于不同板厚
 - 扭转保护
- Materials:** UL approved nylon 66, Flame Resistance 94v-2

Color: Black/white

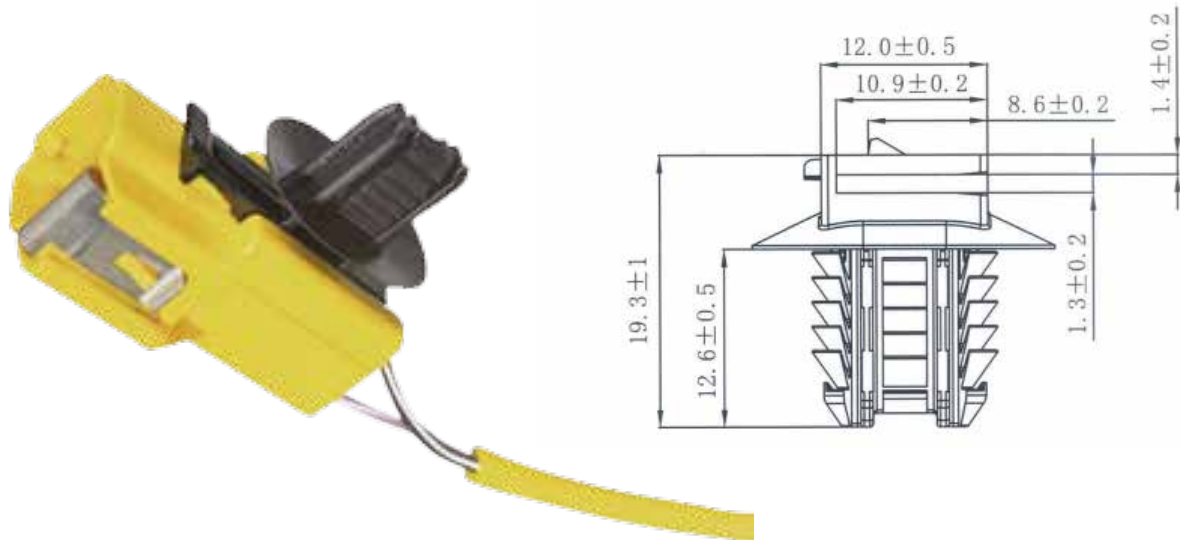
Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

Fixation Method: fir tree fixing, Oval fir tree ensures a tight connection without rotation.

Product description:

 - Connector easily installed by simply pushing into place
 - Connection can be released (non-destructive)
 - One fir tree foot part can be used for a variety of panel thickness-es
 - Disc covers the hole to prevent dirt and water gaining access
 - For twist protection:

编号 Item No.	示意图 Sketch Map	适用孔径 Hole (Φmm)	最大板材厚度 Max.Panel Thickness (mm)	包装 Pack Quantity (pcs/bag)
QX151-02122		6.5-13	2.8	100



25

雪地车轮防滑扎带
Zip tie tyre traction

- 材 质:** 符合 UL 标准的尼龙 66

操作温度: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

颜 色: 橘色, 黄色, 黑色, 其他颜色可根据要求提供

防火等级: UL 94V-2

其他特性: · 无卤素、无硅

 - 雪地行驶时, 请大家在使用本产品时车速控制在 30km/h 以下
 - 本产品可以用于雪地轮胎打滑、泥地打滑以及结冰的场合。
 - 本产品使用方便迅速可以在任何场合和温度的情况下使用。
- Material:** UL approved Nylon 66

Operating temperature: -40℃ ~ 85℃ (- 40 °F ~ 185 °F)

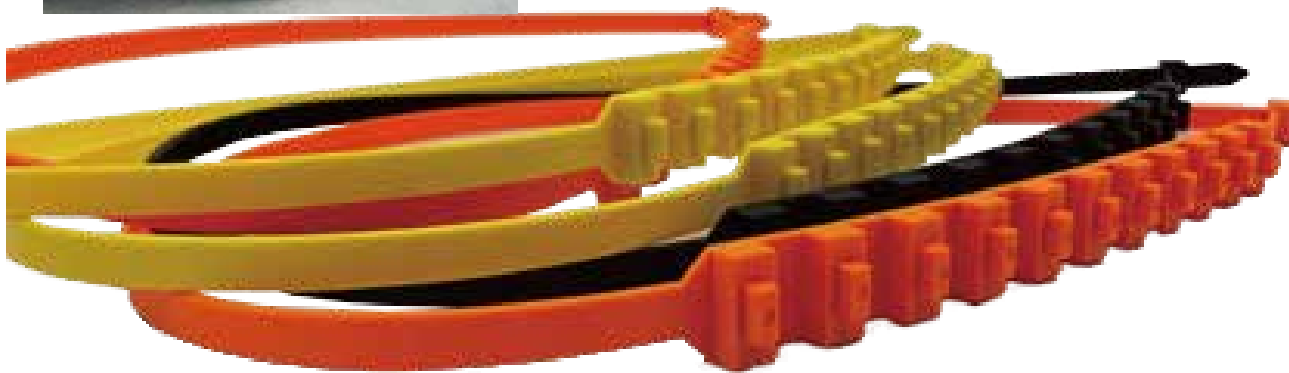
Color: Orange, yellow, black and others can be customized

Flammability rating: UL 94V-2

Other properties: Halogen free, Silicone free

Characteristics

 - Zip tie tyre traction is designed for automotive safety and design of the use of automotive safety supplies.
 - Anti-Skid chains allows drivers to quickly get their vehicles "unstuck" from ice, mud, and snow. Easy to install, fits most passenger vehicle tires and installs in minutes.
 - Attention should be paid to the choice of skid chains that match the wheel size. Install anti-skid chain, the driving speed is generally not more than 30Km / hour.
 - Snow chain is not only in winter and rain and snow weather can play a role in the same skiing, cross-country, field exploration, mountain driving and other Vehicle driving situation has an irreplaceable role. Stable driving safety



编号 Item No.	长 Length		宽 Width		最大束径 Max Bundle		拉伸强度 Min. Tensile Strength		包装 Pack Quantity
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[kgs]	[lbs]	[pcs]
GWZT-880HD	880	34.6	9	0.35	239	9.4	79.4	175	10

01

波纹管
Corrugated conduit

材 质: UL 认证的尼龙 6

防火等级: 94V-2

操作温度: -20℃ ~ 85℃ (- 4 °F ~ 185 °F)

颜 色: 黑色, 彩色可定制

特 性: 柔韧性、抗变形和弯曲性能好, 耐久耐用;
耐酸、耐润滑油、耐冷却液等

用 途: 机械制造、电气绝缘保护、照明设备、汽车
制造、航空设备、地铁、火车、自动控制
等行业

Material: UL approved Nylon 6

Fireproof: 94V-2

Operating temperature: -20℃ to 85℃ (- 4 °F to 185 °F)

Color: Black, other colors are available upon request

Feature: Good flexibility, good resistance to distortion and bending, heavy duty; acid, lubricating oil & coolant liquid resistance, etc

Application: Machinery manufacturing, electrical insulation protection, lighting equipment, automobile manufacturing, aviation equipment, subway, train, automatic control and other industries



规格 Specification		内径*外径 (mm) I.D.*O.D.	弯曲半径(mm) Curved Radius	包装(m/roll) Pack Quantity
密封型 Unsplit	剖开型 Split			
AD13.0	ADO13.0	10.0*13.0	20	100
AD15.8	ADO15.8	12.0*15.8	30	100
AD18.5	ADO18.5	14.3*18.5	40	100
AD21.2	ADO21.2	17.0 *21.2	45	100
AD25.0	ADO25.0	20.0*25.0	45	50
AD28.5	ADO28.5	23.0*28.5	50	50
AD31.5	ADO31.5	26.0*31.5	55	50
AD34.5	ADO34.5	29.0*34.5	60	50
AD42.5	ADO42.5	36.0*42.5	70	25
AD54.5	ADO54.5	48.0*54.5	90	25

02

波纹管固定头
Conduit adaptor

材 质: UL 认证的尼龙 66

防火等级: 94V-2

操作温度: -20℃ ~ 85℃ (- 4 °F ~ 185 °F)

颜 色: 黑色

特 性: 一体式设计, 安装方便快捷, 无需工具

用 途: 将波纹管推入固定头, 旋转使其固定

Material: UL approved Nylon 66

Fireproof: 94V-2

Operating temperature: -20℃ to 85℃ (- 4 °F to 185 °F)

Color: Black

Feature: One piece design, easy and faster installation without tool

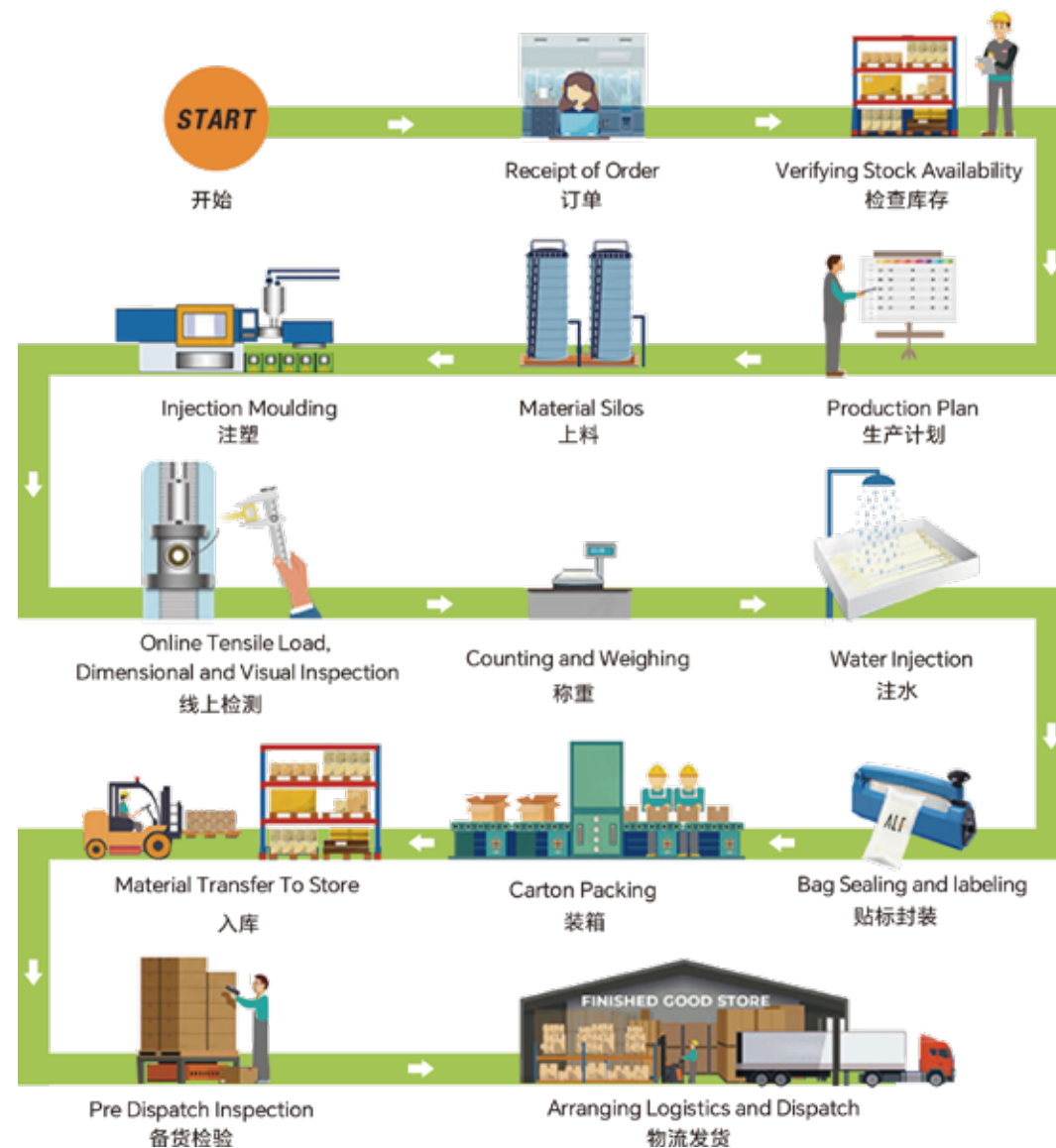
Application: Insert conduit into adaptor and rotate to secure it



规格 Specification	螺牙规格 External Thread	螺纹外径(mm) Thread Diameter	适用波纹管 Suitable Conduit	包装 Pack Quantity
PAQ-AD13.0	M16x1.5	16.0	AD13.0	50
	PG9	15.2		50
PAQ-AD15.8	M18x1.5	18.0	AD15.8	50
	PG11	18.6		50
PAQ-AD18.5	M20x1.5	20.0	AD18.5	50
	PG13.5	20.4		50
PAQ-AD21.2	M22x1.5	22.0	AD21.2	50
	PG16	22.5		50
PAQ-AD25.0	M25x1.5	25.0	AD25.0	50
	PG19	25.0		50
PAQ-AD28.5	M30x1.5	30.0	AD28.5	25
	PG21	28.3		25
PAQ-AD31.5	M32x1.5	32.0	AD31.5	25
	PG25	32.0		25
PAQ-AD34.5	M36x1.5	36.0	AD34.5	25
	PG29	37.0		25
PAQ-AD42.5	M40x1.5	40.0	AD42.5	10
	PG36	47.0		10
PAQ-AD54.5	M50x1.5	50.0	AD54.5	10
	PG48	59.3		10

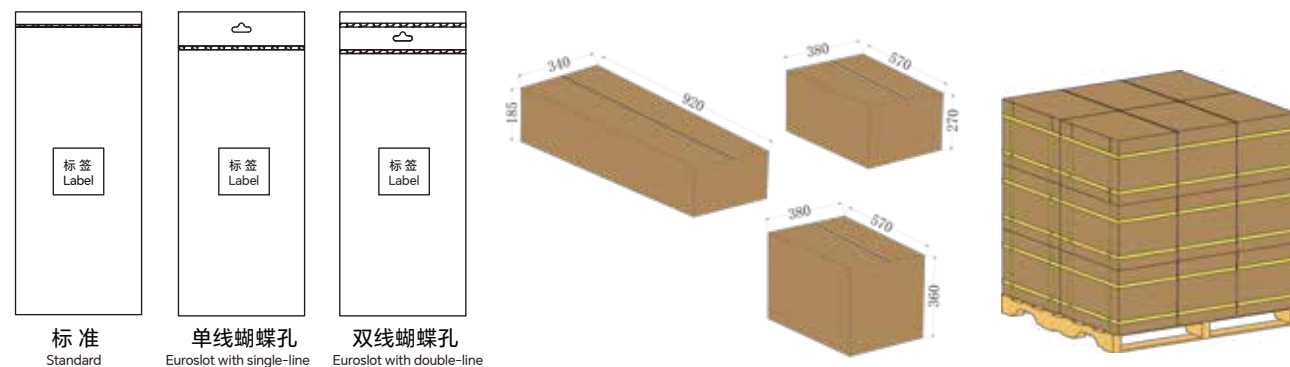
生产流程工艺图

Process flow of nylon cable ties



产品包装

Package



技术资料

Technical Data

ALF 各项管理认证 Various management certifications

图 示 Graphical Representation	名 称 Designation	说 明 Description	证书编号 Ecode
	ISO 9001	国际品质管理体系认证 International Quality Management System Certification Standards	08922Q52031R0M
	ISO 14001	国际环境管理系统认证 International Environmental Management System Certification	08922E31558R0M
	ISO 45001	职业安全卫生管理系统认证 Occupational Safety and Health Management System Certification	08922S31860R0M
	IATF 16949	汽车产业品质管理系统认证 International Automotive Task Force	0388203

ALF 各项安全规范 Various safety specifications

图 示 Graphical Representation	国家/区域 Country/Region	说 明 Description	证书编号 Ecode
	欧盟 European Union	UL认可的化学品注册、评估、许可和限制 UL Recognized Registration, Evaluation, Authorization and Restriction of Chemicals	TSNEC2202765001
	美国 USA	加州65提案 California 65 Proposal	TSNEC2200481501
	欧盟 European Union	欧盟有害物质限用指令 Restriction of Hazardous Substances Directive	TSNEC2200182901
	国际 International	IEC(国际电工委员会)-IEC 61249-2-21的最终要求 IEC(International Electrotechnical Commission)- Finalized requirements of IEC 61249-2-21	TSNEC1900874403
	美国 USA	UL认可的美国产品认证 UL Recognized Product Marks for USA	E508546
	美国 USA	UL认可的安全工厂制造风管和空气连接器标准 UL Recognized Safety Factory Manufacturing Standards for Air Ducts and Air Connectors	UL-US-2315499-0
	加拿大+美国 Canada & USA	加拿大标准协会认证-美国及加拿大 Canada Standards Association for Canada & USA	80171314