



AEGIS

[专业防护 / 无屑可击]
Professional protection / No chips to attack

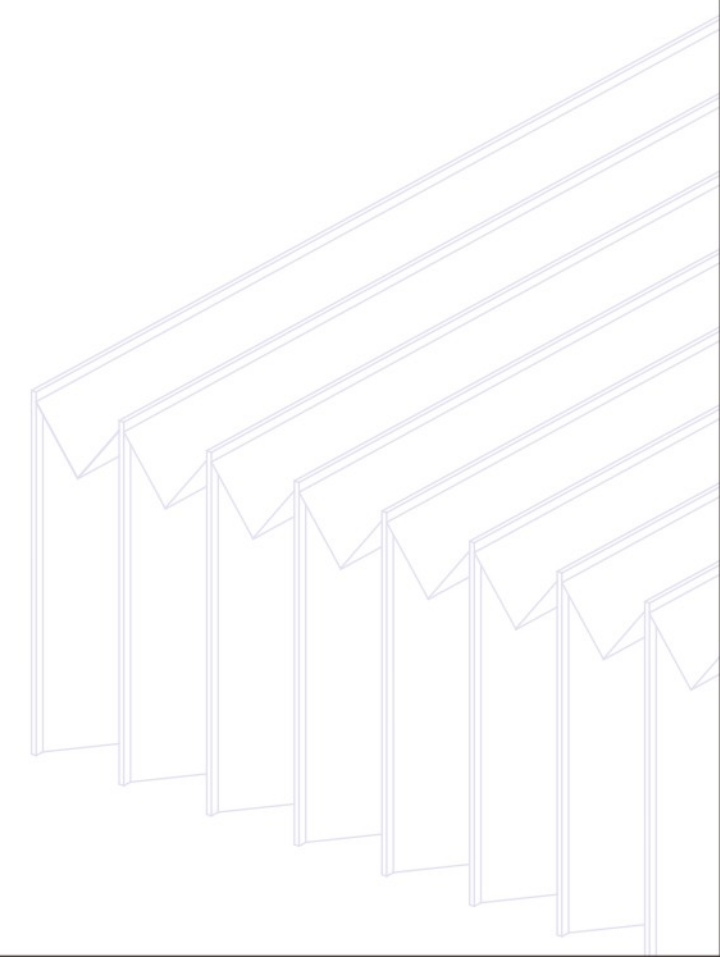
昆山壹杰斯机械防护科技有限公司

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2021版



Professional protection
No chips to attack
专业防护 / 无屑可击

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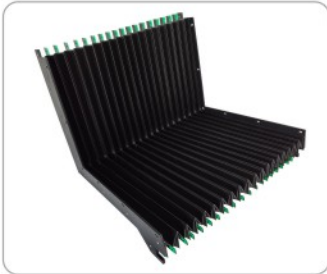
模组化盔甲护罩



顶棚式护盖



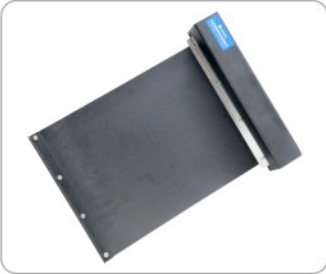
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ABOUT US

关于我们

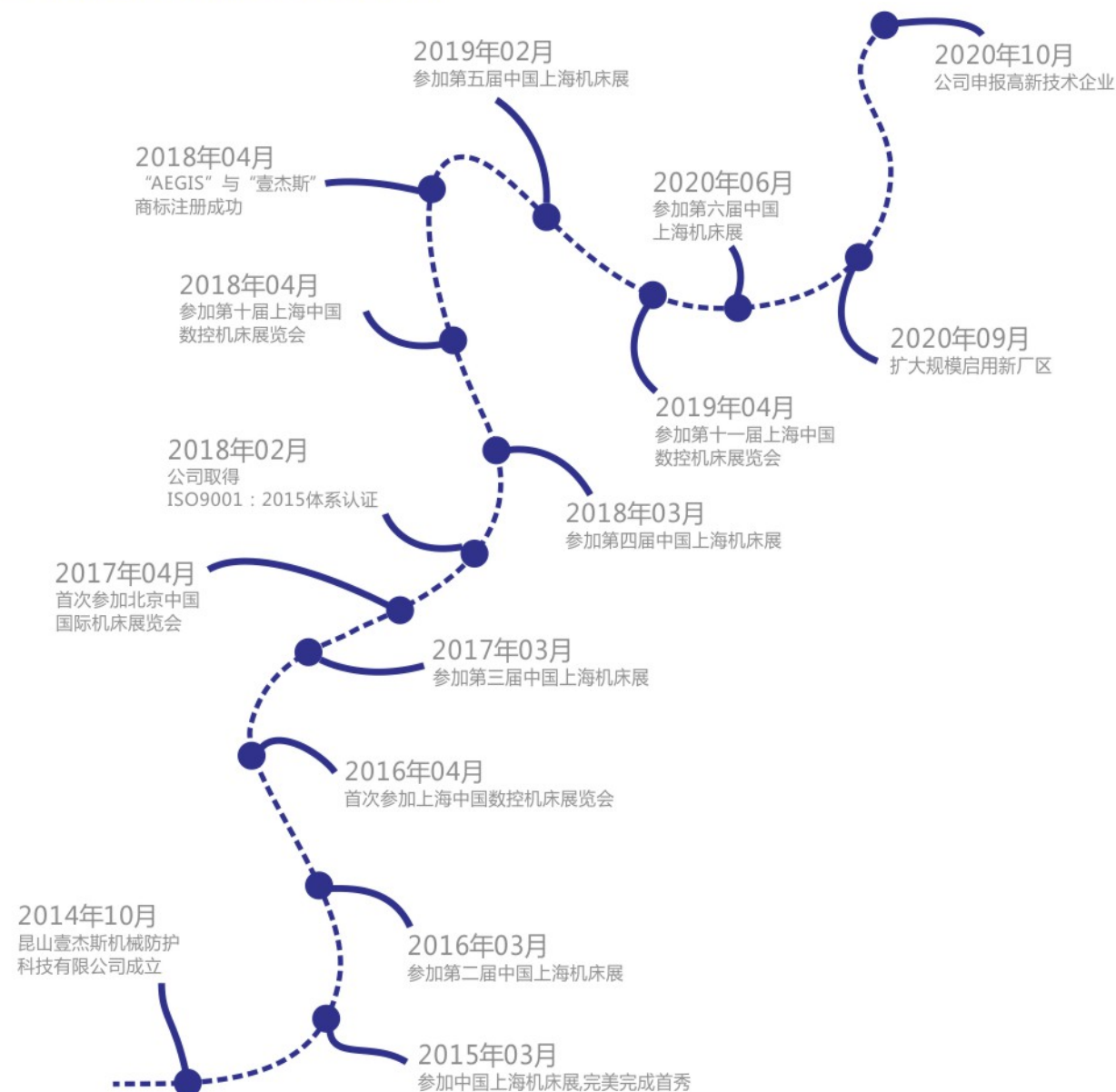
昆山壹杰斯机械防护科技有限公司，致力于机械轨道防护产品的研发，生产销售及服务，主要产品为柔性风琴式防护罩，鳞片式盔甲防护罩等，产品广泛应用于激光设备，医疗设备，加工中心，机械自动化设备等。公司秉承诚信，专业，高效，创新的经营理念，致力于提供高质量，高性价比的产品以满足市场需求。

AEGIS英文意为防护，保护之意，中文译音为 壹杰斯，在古代希腊神话里面，由天神宙斯所持的盾牌、防卫武器。后世引申有防卫、保护之意，“Y”代表防护罩的一个褶皱，以此组合是公司logo及壹杰斯机械防护科技命名的由来。

Kunshan Aegis Mechanical Protection Technology Co., Ltd. is committed to the research and development, production, sales and service of mechanical track protection products. The main products are flexible organs. Protective covers, scaly armor protective covers, etc., products are widely used in laser equipment, medical equipment, processing centers, mechanical automation equipment, etc. The company upholds integrity, Professional, efficient and innovative business philosophy, committed to providing high-quality, cost-effective products to meet market needs.

AEGIS means protection and protection in English. The Chinese translation is Yijiesi. In ancient Greek mythology, it is a shield and defense weapon held by the god Zeus. Later generations extended the meaning of defense and protection. "Y" represents a fold of the protective cover. This combination is the origin of the company's logo and the name of the company's mechanical protection technology.

公司参加历届展会及重要发展节点



Professional customized protection system 专业定制防护系统

AEGIS



1.机床防护系统

Machine tool protection system

量身定制机床防护系统可有效的保护机器和操作人员，有效的防护切屑及化学液剂对设备带来的损害，目的是提高机器的使用寿命。

The tailor-made machine tool protection system can effectively protect the machine and operators, effectively protect the equipment from damage caused by chips and chemical liquids, and the purpose is to improve the machine Service life.



2.激光切割

laser cutting

切割高温飞溅物需要特殊的防护系统，专业的防护可有效保证设备运行精度。Cutting high-temperature spatter requires a special protection system, and professional protection can effectively ensure the accuracy of equipment operation.

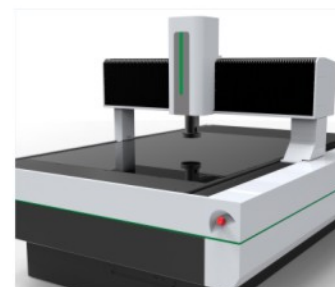


3.非金属加工

Machine tools for nonmetals

非金属加工类设备需要与之匹配的防护系统，以防护加工过程中产生的尖锐物，灰尘等。

Non-metal processing equipment requires a matching protection system to protect against sharp objects, dust, etc. generated during processing



4.测试及测量仪器

Testing and measuring instruments

精密测试测量设备，对温度，噪音控制要求较高，对防护产品的往复运行疲劳性有特殊要求。

Precision testing and measuring equipment has high requirements for temperature and noise control, and has special requirements for the reciprocating fatigue of protective products.



5.自动化行业

Automation industry

高强度的，超长度是自动化行业的特性，要求相应了防护系统具备精确性，灵活性，耐疲劳性与之完美配合。

High-strength and super-length are the characteristics of the automation industry, and the corresponding protection system is required to have accuracy, flexibility, and fatigue resistance to match it perfectly.



6.医疗行业

Medical industry

设计精美，绿色环保材质，超静音运行是医疗设备的基本要求。完美的防护系统，严格的质量保证，以满足客户需求

Exquisite design, green materials, and ultra-quiet operation are the basic requirements of medical equipment. Perfect protection system, strict quality assurance to meet customer needs



应用 Application

风琴式护罩为平面上的规则或不规则的样式变化，主要应用于没有大量切削屑，但是仍需要保护重要精密传动组件的机构防护罩，如：一般线性滑轨与硬轨上的保护，避免受外力或污染源。

Bellows cover Upon customer's request, any shape, thickness, other metal or mounting method are available.

结构 Structure

1. 固定钣金 可以选用适当的厚度固定在两侧，亦可固定防护面料的材料及雕刻结束的支撑板，另一端固定在导轨结束端。通常是SPCC钣金。任何形状、厚度、其它金属或固定方式可以另外设计提供，以满足客户的特殊需求。

2. 支撑板 提供防护罩内表面支撑的PVC板(经过RoHS严格检验)。除了减少防护面料与轨道接触，亦可提供支撑度和刚性及耐冲击性。支撑板均是耐磨塑料，本身有自润功能，厚度0.6/1.0/1.5/2.0mm，厚度增加会影响最小压缩后的防护罩总尺寸。

3. 防护面料 具有优异的防水、防油之效果，防护面料的材质与厚度会因客户提供的不同使用环境、温度，加工条件及化学反应，会有所不同。

4. 限制带 在避免过度扩展防护罩折页并且需要快速运行速度，垂直操作时或大型防护罩时。在封闭限制的范围另外增加了限制带，可延长防护罩使用寿命。

1. Flange

Use proper thickness of plate to fix at both sides or the protective curtain or the punched stiffener, and the other side should be fixed at the guide way. Normally a SPCC sheet metal is applied. Upon customer's request, any shape, thickness, other metal or mounting method are available.

2. Stiffener

The stiffener is a PVC board (meet the RoHS) that provides a support for the inside of a protective curtain. It's not only to reduce the contact between the protective curtain and the slideway, but also to provide a solid support, rigidity and impact-resistance. The stiffener is made from wear-resistant plastic with self-lubrication feature. The available thickness is 0.6 / 1.0 / 1.5 / 2.0 mm. Note : the increased thickness of stiffener may affect the compressed size of the protective curtain.

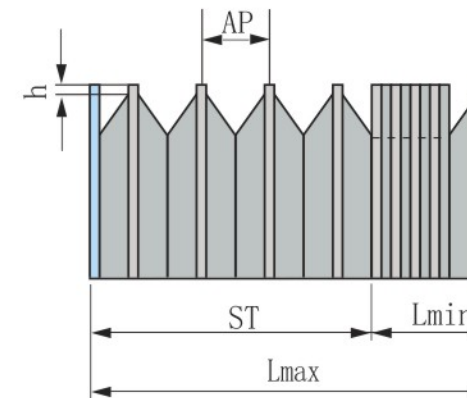
3. Protective Curtain

It features excellent water-resistance and oil-resistance. The material thickness of the protective curtain may vary with customers' environmental temperature, machining condition and chemical reaction.

4. Restricted belt

Restricted belt is necessary to prevent over-extending of corrugation, and suitable for fast moving speed, vertical movement or large-scale protective curtain. The additional restricted belt is fitted for the protective curtain used in a closed, confined space for extending the service life of protective curtain.

尺寸标识 Dimensions



L max = 最大拉伸长度

L min = 最小压缩长度

ST = 工作行程

W = 防护罩宽度

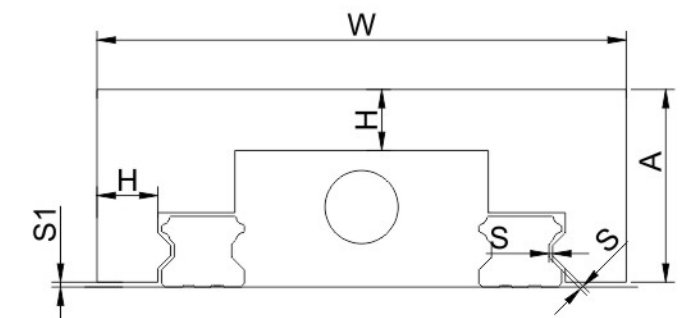
A = 防护罩高度

H = 折页高度

h = 焊接高度

S = 间隙

S1 = 间隙



Lmax = Max.stretched out length

Lmin = Min.compressed length

ST = Lmax-Lmin

W = Outside width

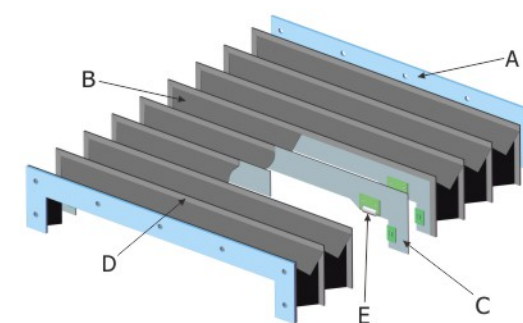
A = Outside height

H = Fold height

h = Weld height

S = Gap

S1 = Gap



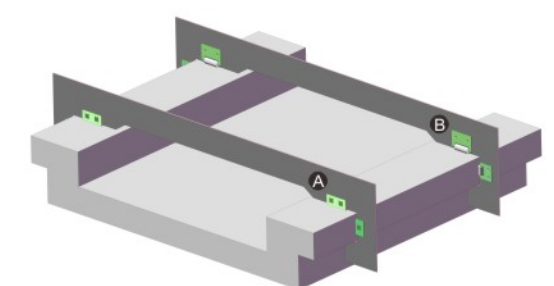
A:固定钣金 Flange

B:防护面料 Fabric material

C:支撑板 Stiffener

D:焊接成型 Weld forming

E:滑动机构 Sliding mechanism



滑块样式

A. 耐磨滑块

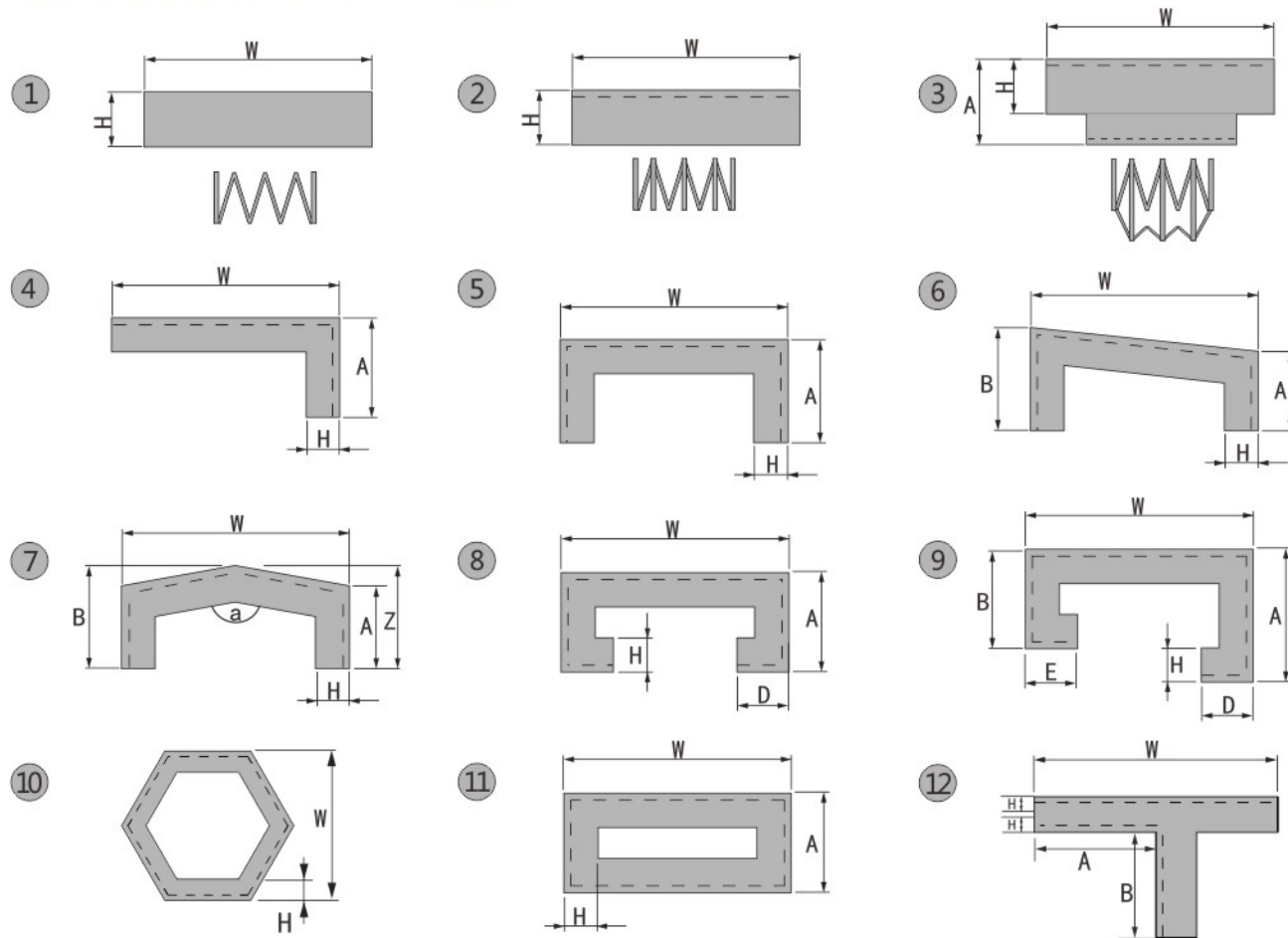
B. 滑轮

Slide Block Types

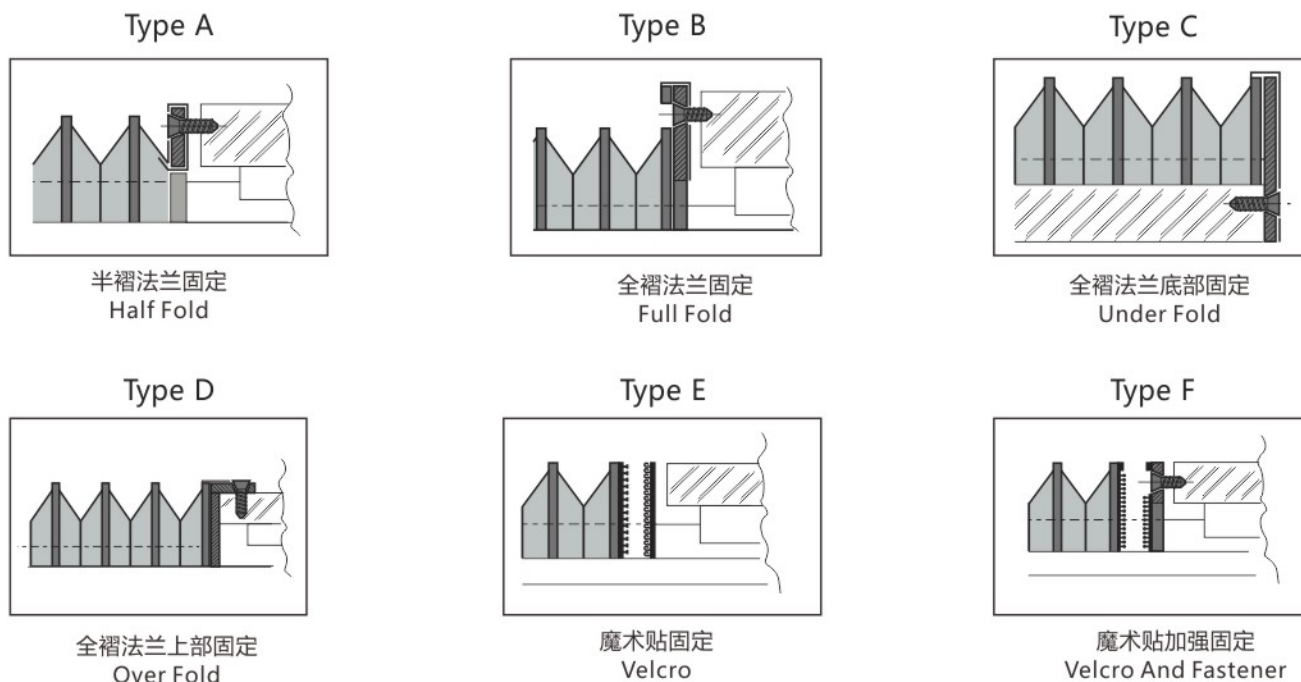
A. Wear-resistant slide block

B. Roller

防护罩样式 Standard shapes

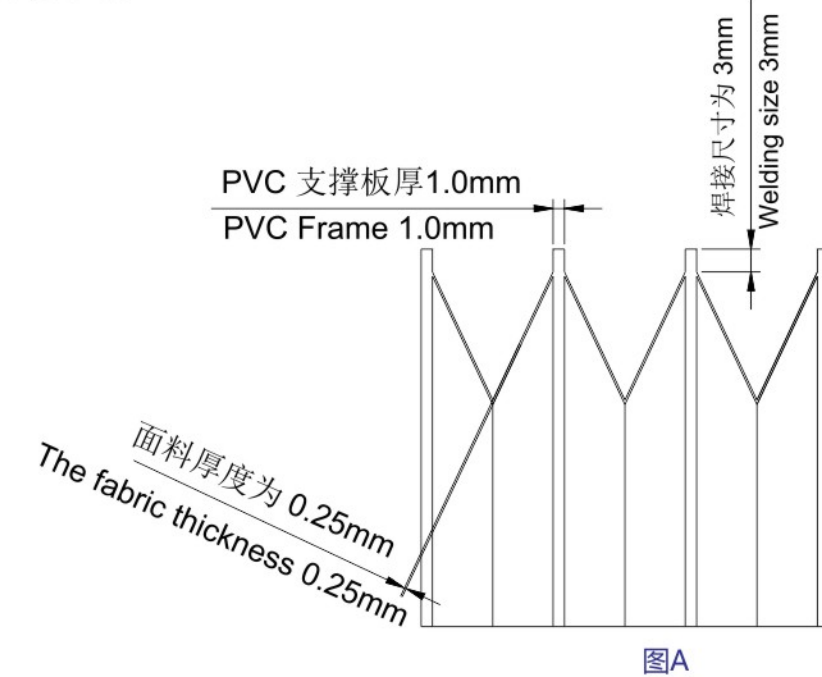


法兰固定方式 Flange fixing method



快速查看防护罩参数

Quick view of bellow cover parameter



图A

图A参数对照表 Figure A Parameter Comparison Table

Lmax	Lmin	10	15	20	25	30	35	40	45	50	55
100	37	22	19	16	13	13	13	13	13	13	10
150	53	31	22	19	16	16	16	16	13	13	13
200	68	37	28	22	19	19	19	16	16	16	13
250	83	46	34	28	22	22	22	19	19	16	16
300	99	53	37	31	25	22	22	22	19	19	16
350	114	62	43	34	28	25	22	22	22	19	19
400	130	68	50	37	31	28	25	22	22	22	19
450	145	77	53	43	34	31	28	25	22	22	22
500	160	83	59	46	37	34	31	28	25	25	22
550	176	92	65	50	40	37	31	28	28	28	25
600	191	99	68	53	43	37	34	31	28	28	25
650	207	108	74	59	46	40	37	34	31	28	28
700	222	114	80	62	50	43	37	34	31	28	28
750	238	123	83	65	53	46	40	37	34	31	28
800	253	130	89	68	56	50	43	37	34	31	28
850	268	139	96	74	59	50	46	40	37	34	31
900	284	145	99	77	62	53	46	43	37	34	31
950	300	154	105	80	65	56	50	43	40	37	34
1000	315	160	111	83	68	59	53	46	43	37	34
1500	462	238	150	123	99	83	74	65	59	53	46
2000	622	315	213	160	130	111	96	83	77	68	59
2500	776	391	265	201	160	136	117	105	92	83	74
3000	930	462	315	238	191	160	139	123	111	99	89
3500	1084	545	367	277	222	188	160	142	127	114	104
4000	1238	622	419	315	253	213	185	160	145	130	120
4500	1392	699	462	355	284	238	207	182	160	145	130
5000	1546	776	521	391	315	265	228	201	179	160	145

以上数据均以图A中的参数为依据所得，尺寸均为mm

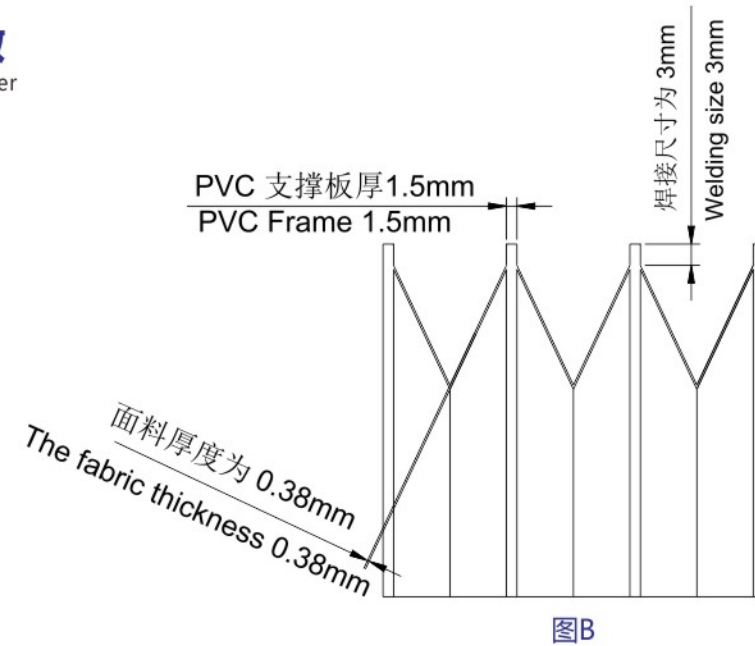
All above figure is Max or Min demensions referring to the chart A, All dimension in mm

本计算参数表，是在防护罩没有任何附件的情况下所得，如有特殊要求，请及时咨询我们

It has not any accessories, if you have demand on them, please contact us

快速查看防护罩参数

Quick view of bellow cover parameter



图B参数对照表 Figure B Parameter Comparison Table

	H	10	15	20	25	30	35	40	45	50	55
Lmax	Lmin										
100	47	27	23	18	15	15	15	15	15	15	11
150	67	39	27	23	18	18	18	15	15	15	15
200	87	47	35	27	23	23	18	18	18	18	15
250	107	59	43	35	27	27	23	23	18	18	18
300	127	67	47	39	31	27	27	23	23	23	18
350	147	79	55	43	35	31	27	27	23	23	23
400	167	87	63	47	39	35	31	27	27	27	23
450	187	99	67	55	43	39	35	31	27	27	27
500	208	107	75	59	47	43	39	35	31	31	27
550	228	119	83	63	51	47	39	35	35	35	31
600	248	127	87	67	55	47	43	39	35	35	31
650	268	139	95	75	59	51	47	43	39	39	35
700	289	147	103	79	63	55	47	43	39	39	35
750	309	159	107	83	67	59	51	47	43	43	39
800	329	167	115	87	71	63	55	47	43	43	39
850	349	179	123	95	75	63	59	51	47	47	43
900	369	187	127	99	79	67	59	55	47	47	43
950	389	199	135	103	83	71	63	55	51	51	47
1000	410	207	143	107	87	75	67	59	55	55	47
1500	612	309	208	159	127	107	95	83	75	75	67
2000	814	410	277	208	167	143	123	107	95	95	87
2500	1016	511	346	261	208	176	152	135	119	119	107
3000	1218	612	410	309	248	208	180	159	143	143	127
3500	1420	713	479	362	289	245	208	184	164	164	147
4000	1622	814	548	410	329	277	241	208	187	187	167
4500	1824	915	612	463	369	309	268	237	208	208	187
5000	2026	1016	681	511	410	346	297	260	233	233	208

以上数据均以图B中的参数为依据所得，尺寸均为mm

All above figure is Max or Min demensions referring to the chart B, All dimension in mm

本计算参数表，是在防护罩没有任何附件的情况下所得，如有特殊要求，请及时咨询我们

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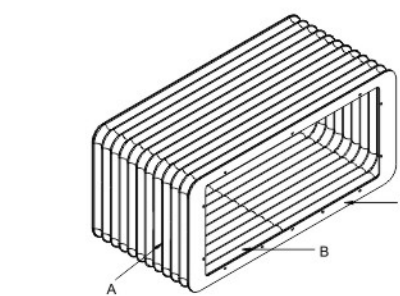


应用 Application

应用于医疗行业的风琴护罩，采用无支撑板框架式结构，整体质量轻，静音式运行。防护面料采用环保材料，多以白色为主。

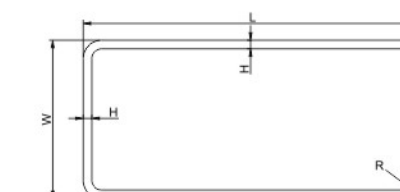
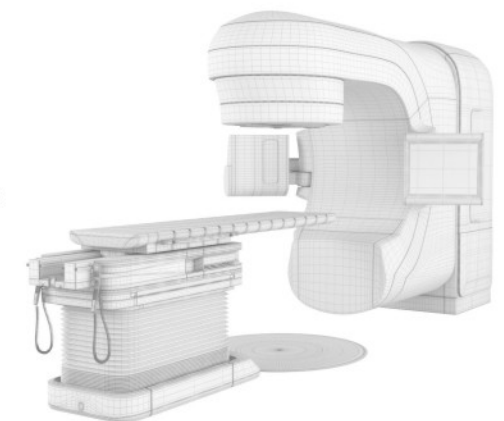
The Bellow used in the medical industry adopts a frame-type structure without support plate, the overall weight is light, and the operation is silent. The protective fabric is made of environmentally friendly materials, mostly white.

尺寸标识 Dimensions



A: 支撑架
B: 防护面料
C: 法兰

A: Support frame
B: Protective fabric
C: Flange



Lmax = 最大拉伸长度

Lmin = 最小压缩长度

AP = 单折拉伸

H = 折页高度

W = 防护罩宽度

L = 防护罩长度

R = 半径

Lmax = Max.stretched out length

Lmin = Min.compressed length

AP = Single fold stretching

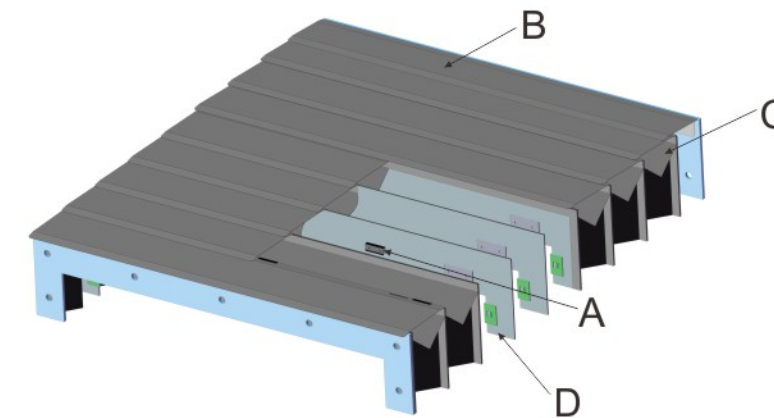
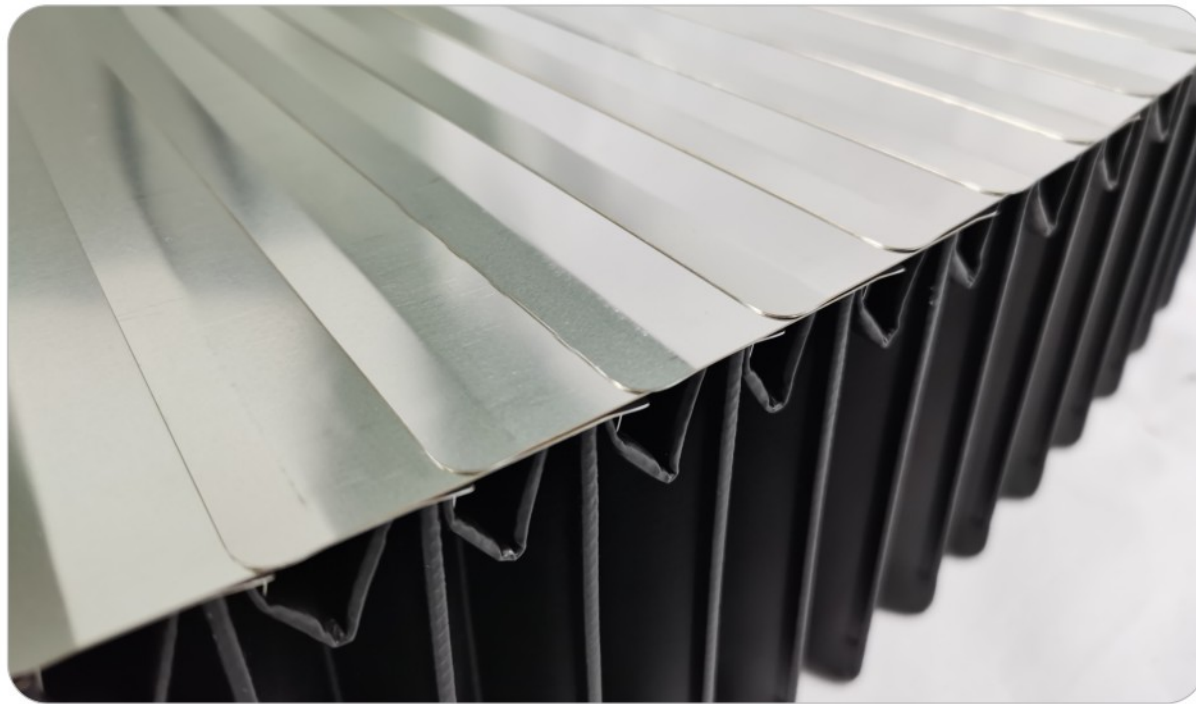
H = Fold height

W = Bellow width

L = Bellow length

R = Radius

尺寸标识 Dimensions



- A. 固定卡扣
B. 高硬度不锈钢
C. 风琴式伸缩护罩
D. 支撑板

- A. Fastener
B. High hardness stainless steel
C. Bellows cover
D. Stiffener

应用 Application

鳞片式盔甲护罩应用于工作区域有大量的高温切削屑，超大行程或钣金式护罩安装空间不足的解决方案，如：卧式加工中心机、动柱式加工中心机及各类型的CNC加工中心均可使用，可防止高温切削屑破坏，防护效果佳。

耐高温切屑，质量轻。风琴式护罩搭配高硬度不锈钢，

适用于金属加工切屑。优异成型技术与结构设计，可应用于超大行程轨道防护。低噪音、高寿命、使用滑动与同步机构，可快速位移。

耐快速位移120米/分

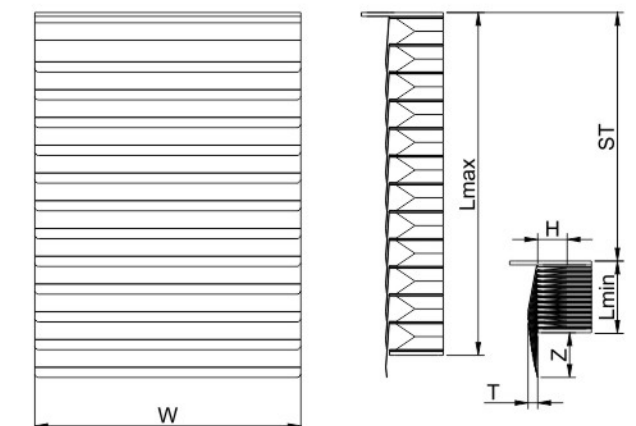
The finned bellows cover are suitable for large amounts of high-temperature chips, ultra large travel and insufficient space for mounting metal sheet guard. Applicable machines include horizontal machining centers, traveling column machining centers and various CNC machining centers. The corrugation top is equipped with stainless steel or aluminum alloy sheet for surface protection to prevent high temperature from damaging the cover while ensuring superior protection effect.

Resist high temperature Chips, Light weight. Bellows cover in combination with high hardness stainless steel make it suitable for metal cutting chips. Outstanding forming technology and structure design enable the series of cover to be ideal for protecting slide ways with extra large traveling. Low noise and long service life. Available to equip with sliding and synchronized mechanism for rapid traverse.

Allows for traverse rate 120 M/min

固定式 Fixed type

1. 风琴式护罩搭配高硬度不锈钢片，适用于金属加工切屑
 2. 低噪音，高寿命，配合耐磨片及滑轮实现高速位移
 3. 客制化生产
1. The bellow cover is matched with high-hardness stainless steel plate, suitable for metal processing
 2. Low noise, long life, with wear-resistant plates and pulleys to achieve high-speed displacement
 3. Customized production



L max = 最大拉伸长度

L min = 最小压缩长度

ST = 工作行程

H = 折页高度

W = 盔甲片宽度

Z = 盔甲片延伸长度

T = 盔甲片累积厚度

Lmax = Max.stretched out length

Lmin = Min.compressed length

ST = Lmax-Lmin

H = Fold height

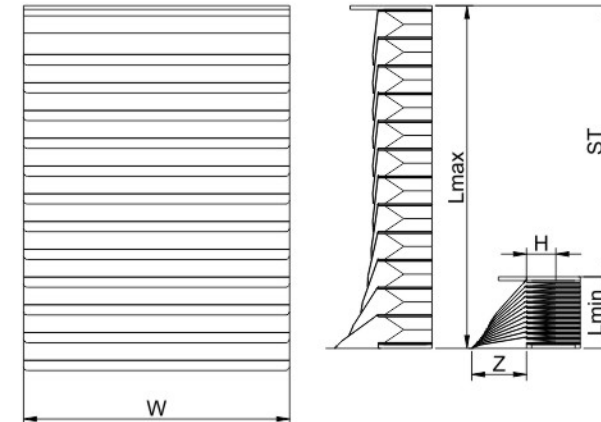
W = Sheet metal width

Z = Extending length of protective sheet metal

T = Accumulated thickness of protective metal sheet

可掀式 Lift type

1. 盔甲片可以灵活翻转
2. 适用于狭小空间及最小行程不足时安装
3. 客制化生产
1. The stainless steel sheet can be flexibly flipped
2. Suitable for installation in small spaces and insufficient minimum stroke
3. Customized production



L max = 最大拉伸长度

Lmax = Max.stretched out length

L min = 最小压缩长度

Lmin = Min.compressed length

ST = 工作行程

ST = Lmax-Lmin

H = 折页高度

H = Fold height

W = 盔甲片宽度

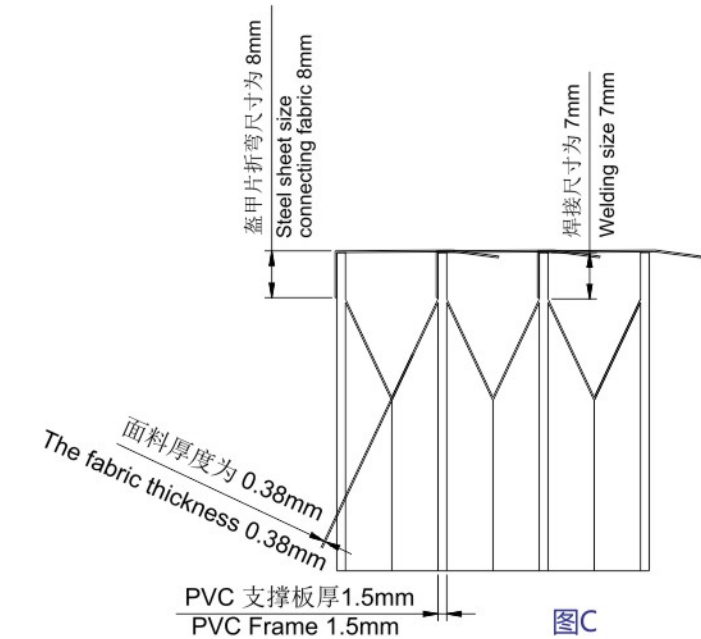
W = Sheet metal width

Z = 盔甲片延伸长度

Z = Extending length of protective sheet metal

快速查看防护罩参数

Quick view of bellow cover parameter



图C

图C参数对照表 Figure C Parameter Comparison Table

Lmax	Lmin	H	15	20	25	30	35	40	45	50	55
100			56	31	26	21	16	16	16	16	16
150			81	46	31	26	21	21	21	16	16
200			106	56	41	31	26	26	21	21	21
250			131	71	51	41	31	31	26	26	21
300			156	81	56	46	36	31	31	26	26
350			181	96	66	51	41	36	31	31	26
400			206	106	76	56	46	41	36	31	31
450			231	121	81	61	51	46	41	36	31
500			256	131	91	71	56	51	46	41	36
550			281	146	101	76	61	56	51	46	41
600			306	156	106	81	66	61	56	51	46
650			331	171	116	91	71	66	61	56	51
700			356	181	126	96	76	71	66	61	56
750			381	206	141	101	81	76	71	66	61
800			406	216	146	106	86	81	76	71	66
850			431	231	156	111	91	86	81	76	71
900			456	246	166	116	96	91	86	81	76
950			481	256	171	121	101	96	91	86	81
1000			506	271	181	131	106	101	96	91	86
1500			-	-	256	196	156	131	116	101	91
2000			-	-	341	256	206	176	151	131	121
2500			-	-	426	321	256	216	186	166	146
3000			-	-	506	381	306	256	221	196	176
3500			-	-	591	446	356	296	256	226	201
4000			-	-	676	506	406	336	291	256	231
4500			-	-	756	571	456	376	326	291	256
5000			-	-	841	631	506	416	361	321	286

以上数据均以图C中的参数为依据所得，尺寸均为mm

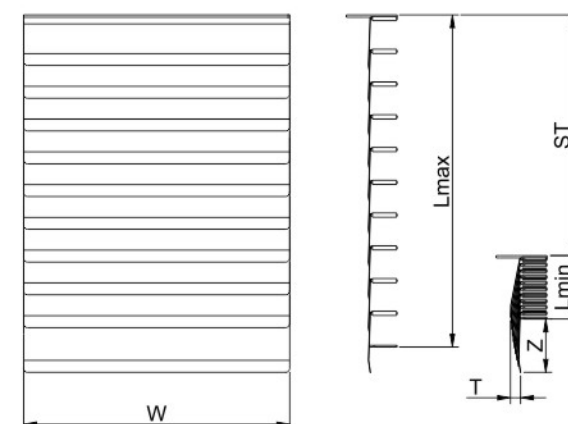
All above figure is Max or Min demensions referring to the chart C, All dimension in mm

本计算参数表，是在防护罩没有任何附件的情况下所得，如有特殊要求，请及时咨询我们

It has not any accessories, if you have demand on them, please contact us

轻量式 Lightweight type

1. 轻量化不锈钢片组合结构，或由织物作为载体结构。
2. 适用于狭小空间最小行程不足时安装。
3. 无需线轨或硬轨载体导向，配合导向槽安装使用
4. 客制化生产
1. Lightweight stainless steel sheet combined structure, or fabric as carrier structure.
2. It is suitable for installation when the minimum stroke is insufficient in a small space.
3. No need for linear rail or hard rail carrier guidance, install and use with guide groove
4. Customer production



L max = 最大拉伸长度

Lmax = Max.stretched out length

L min = 最小压缩长度

Lmin = Min.compressed length

ST = 工作行程

ST = Lmax-Lmin

H = 折页高度

H = Fold height

W = 盔甲片宽度

W = Sheet metal width

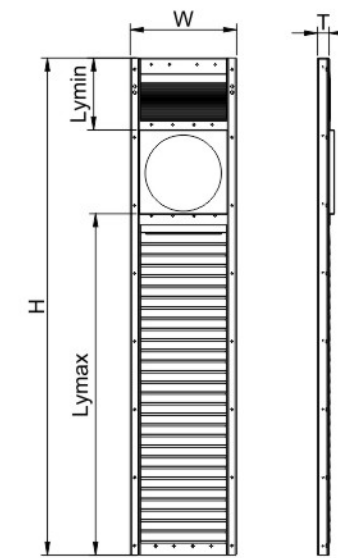
Z = 盔甲片延伸长度

Z = Extending length of protective sheet metal

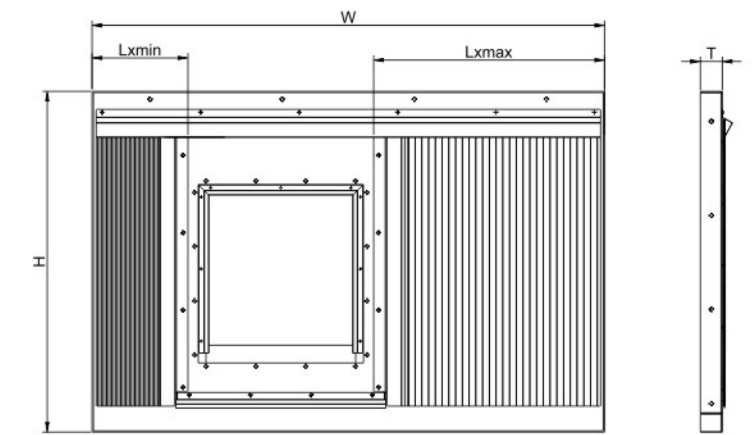
T = 盔甲片累积厚度

T = Accumulated thickness of protective metal sheet

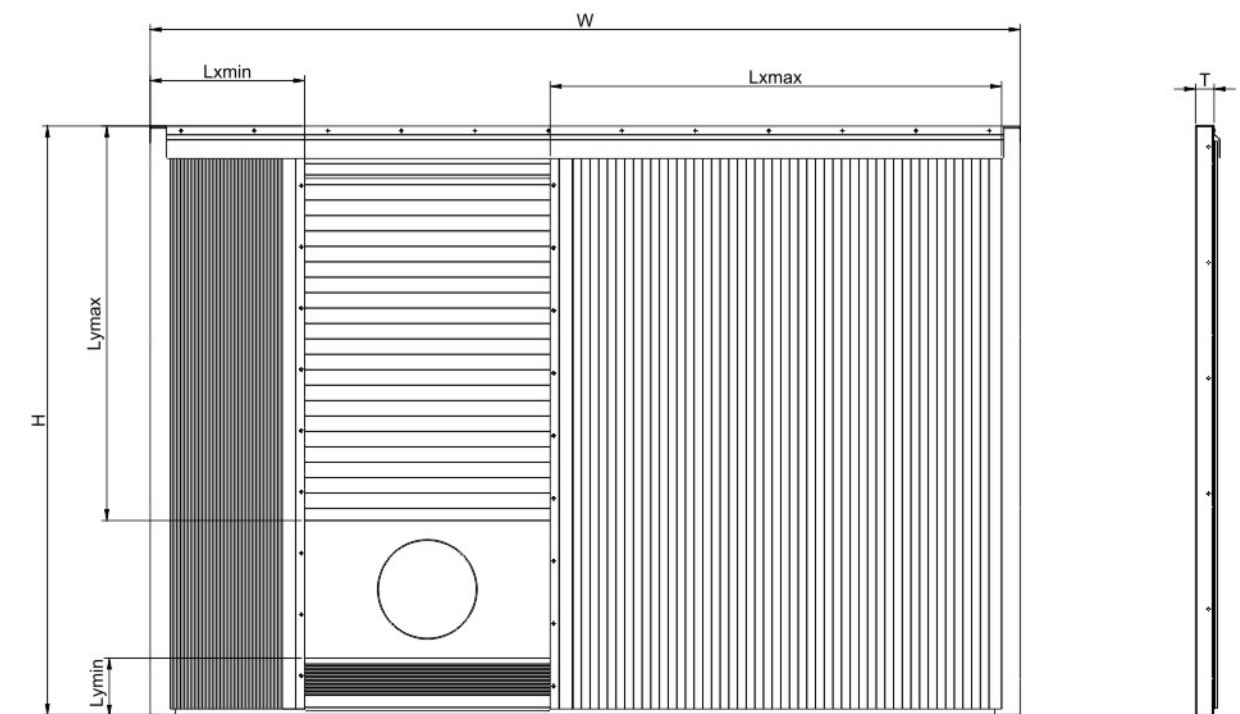
尺寸标识 Dimensions



Type A



Type B



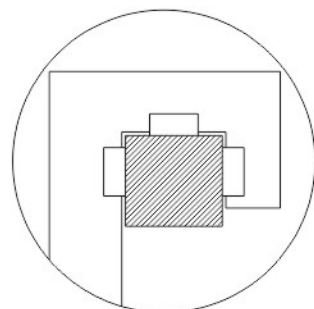
Type C

应用 Application

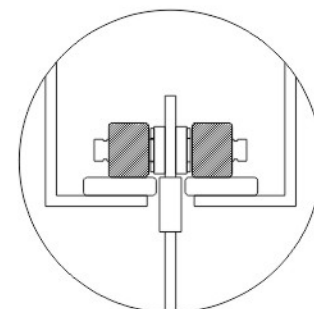
模组化盔甲防护罩又称为联动式盔甲防护罩，多用于卧式加工中心机。

The modular finned bellows also known as linkage type finned bellows cover, is mostly used for horizontal machining center.

- | | |
|--|--|
| <p>1. 高速位移，标准滑块导向，速度高达60m/min，标准滑轨导向，速度高达80m/min。</p> <p>2. 外形设计美观，整体运地具备低噪音性。</p> <p>3. 可快速便捷维修，综合成本低于单件设计。</p> | <p>1. High-speed displacement, standard slide guide, speed up to 60m/min, standard slide guide, speed up to 80m/min.</p> <p>2. Beautiful appearance design, low noise for overall transportation.</p> <p>3. It can be repaired quickly and conveniently, and the overall cost is lower than that of a single-piece design.</p> |
|--|--|



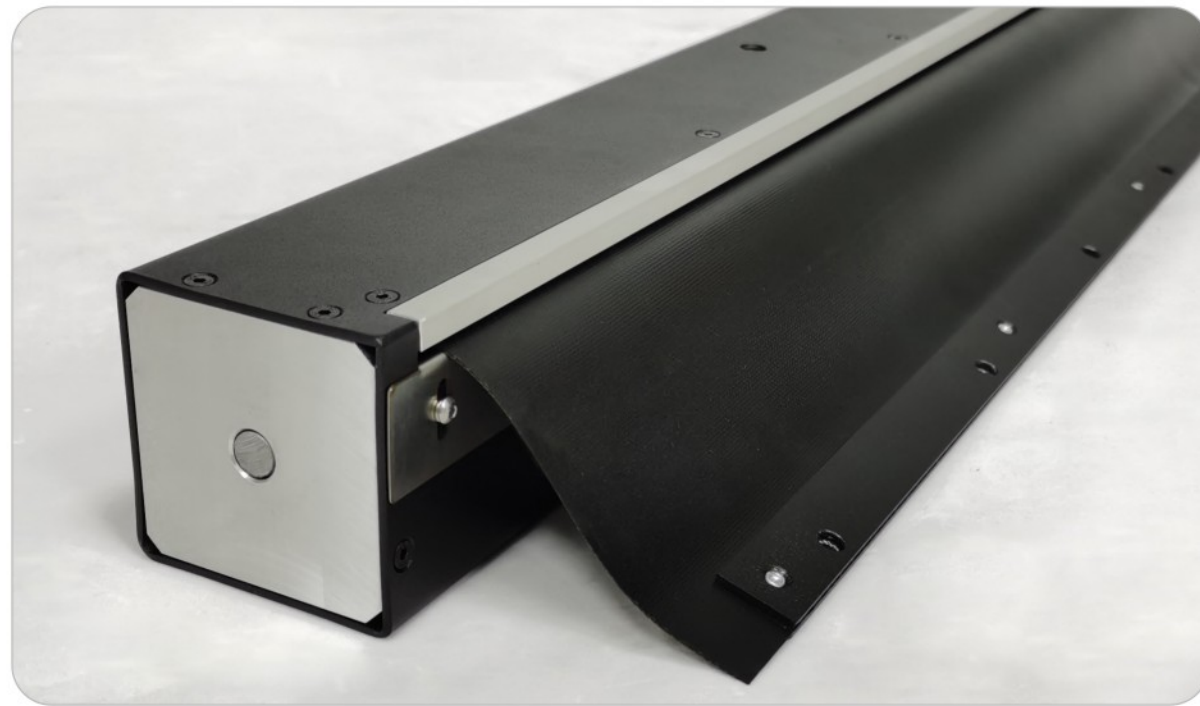
>40m



>60m

Lxmax = X轴最大拉伸
 Lxmin = X轴最小压缩
 Lymax = Y轴最大拉伸
 Lymin = Y轴小压缩
 W = 外框宽度
 H = 外框高度
 T = 外框厚度

Lxmax = X axle max stretched out length
 Lxmin = X axle min compressed length
 Lymax = Y axle max stretched out length
 Lymin = Y axle min compressed length
 W = Frame width
 H = Frame height
 T = Frame thickness



应用 Application

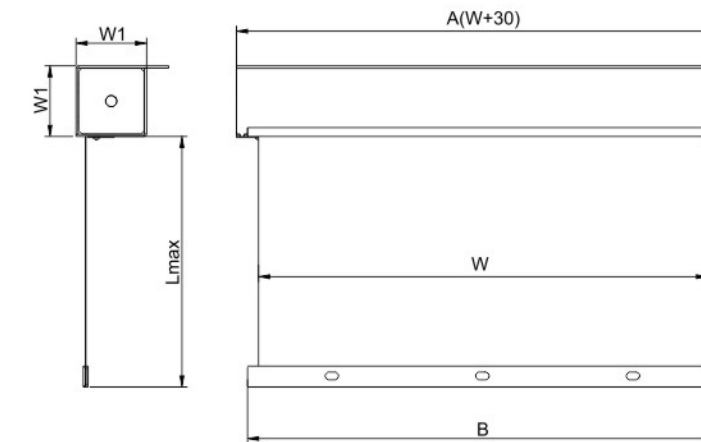
卷帘式伸缩护罩，大量应用于狭小的安装空间及无法主动收回的平面防护区域安装，例如车床的尾座后方防护，产品有安装刮刷功能，可防止外物及污染源入侵。

The roller covers are normally applied for a confined space and the condition that the cover can't withdraw, such as the back side of the lathe tailstock. The series of cover features wiping function to prevent foreign object and dust from entering

在压缩空间有限的情况下卷帘护罩是不二选择，卷帘护罩市场反馈不良问题集中在使用寿命及收缩速度方面，AEGIS针对客户反应问题点，改革创新新型收缩结构，松紧可调，且运行速度可达60米/分

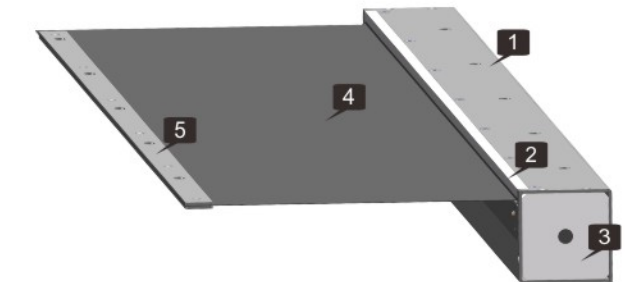
In the case of limited compression space, roller shutter guards are the best choice. The poor feedback from the roller shutter guard market focuses on service life and shrinkage speed. AEGIS reforms and innovates new shrinkage structure with adjustable elasticity in response to customer response problems. And the running speed can reach 60 m/min

尺寸标识 Dimensions



A : 本体宽
B : 拉柄宽
W : 防护宽度
W1 : 本体尺寸
Lmax: 最大拉伸量

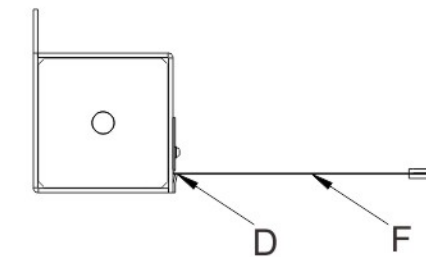
A : Body width
B : Width of pull bar
W : Width of protective curtain
W1 : Body size
Lmax : Max.stretched out length



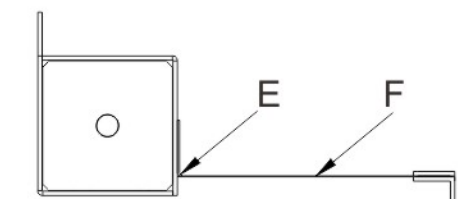
1.本体
2.刮条
3.铝合固定座
4.防护材料
5.拉柄

1.Body
2.Wiper
3.Aluminum alloy fixing unit
4.Protective curtain
5.Pulling lever

刮屑方式 Scraping type

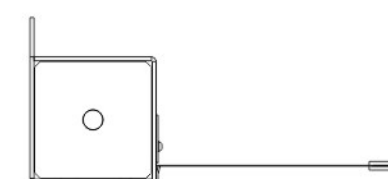


D: 胶条
E: 不锈钢片
F: 防护面

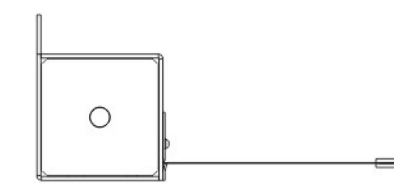


D: Adhesive strips
E: Stainless steel sheet
F: Protective surface

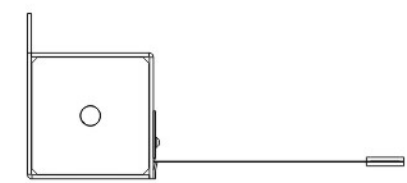
拉柄样式 Type of pulling levers



Type A



Type B



Type C

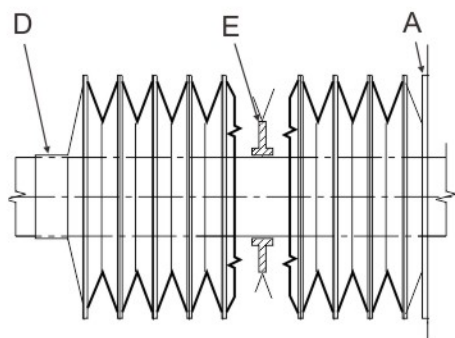


应用 Application

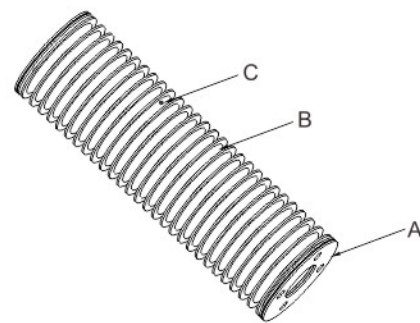
圆型伸缩护套主要应用于液压杆及丝杆的外部保护，具有耐水、耐油、耐温、耐化学性的特性，具有高效的防护功能，传统圆罩采用钢圈结构，压缩比较大，外观美观度不够，AEGIS采用特有技术，压缩比可以正常控制在1:10，内圈最小可以做到20mm，精准模具控制，使其整体外观统一整齐。

Round bellows used to protect external hydraulic rod and screw, with water, oil, temperature, chemical resistance properties, with efficient protection, the use of conventional steel ring eyelet structure, compression is relatively large, the appearance of beautiful is not enough, AEGIS uses special technology, the compression ratio can be properly controlled at 1:10, the inner ring can do the smallest 20mm, precision Mould control to overall uniform appearance neat.

尺寸标识 Dimensions

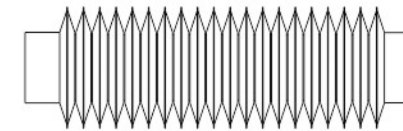


A : 法兰
B : 防护材料
C : 透气孔
D : 衣领结构
E : 支撑环

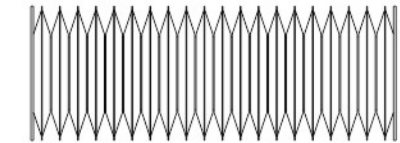


A : Flange
B : Protective curtain
C : Venting hole
D : Collar
E : Support ring

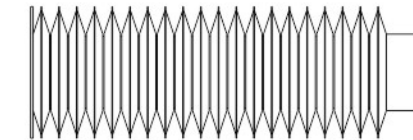
圆形护罩类型 Round Bellows Type



Type B



Type A



Type C

设计参考 Design reference

Lmax = 最大拉伸量

Lmin = 最小压缩量

AD = 外径

FB = 折宽

ID = 内径

FAZ = 单折拉伸

FZD = 单折压缩

SD = 被防护丝杆的最大直径

ST = 工作行程

Lmax = Max.stretched out length

Lmin = Min.compressed length

AD = Outer diameter

FB = Folding width

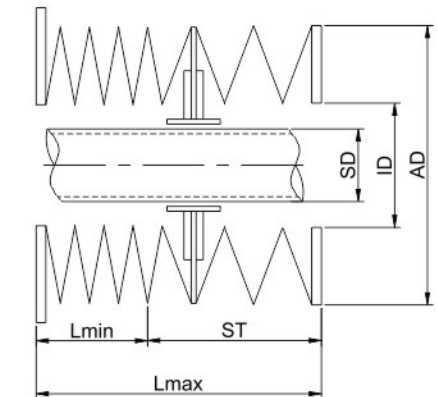
ID = Internal diameter

FAZ = Single fold stretching

FZD = Single fold compression

SD = Maximum diameter of the product to be protected

ST = Lmax-Lmin



参数对照表 Parameter comparison table

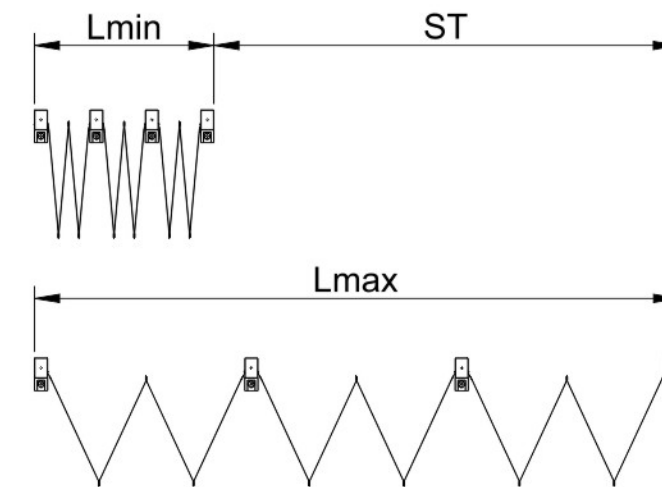
Model	AD	ID	FB	FAZ	FZD	Material
M40	40	20	10	4	1.2	TPU045
M60	60	40	10	4	1.2	TPU045
M66	66	28	19	16	1.2	TPU045
M84	84	52	16	12	1.2	TPU045
M90	90	50	20	17	1.2	TPU045
M95	95	60	17.5	14	1.2	TPU045
M110/1	110	50	30	29	2.2	TPU080
M110/2	110	65	22.5	20	1.2	TPU045
M130/1	130	60	35	35	2.2	TPU080
M130/2	130	70	30	29	2.2	TPU080
M150	150	80	35	35	2.2	TPU080
M160	160	60	50	53	2.2	TPU080
M167	167	97	35	35	2.2	TPU080
M170	170	110	30	29	2.2	TPU080
M185	185	90	47.5	50	2.2	TPU080
M200	200	110	45	47	2.2	TPU080
M210	210	130	40	41	2.2	TPU080
M290	290	200	45	47	2.2	TPU080
M310	310	230	40	41	2.2	TPU080
M350	350	240	55	59	2.2	TPU080

以上尺寸均为mm / The above dimensions are in mm

尺寸标识 Dimensions



Lmax= 最大拉伸
 Lmin = 最小压缩
 ST = 工作行程
 W = 导轨跨距
 W1 = 折页宽度
 H = 折页高度



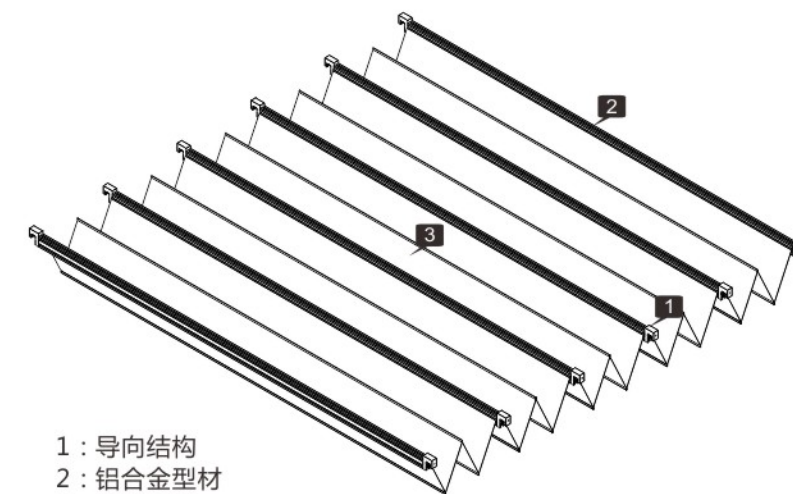
Lmax = Max.stretched out length
 Lmin = Min.compressed length
 ST = Lmax-Lmin
 W = Width
 W1 = Fold width
 H = Fold height



应用 Application

顶棚式护盖主要应用于龙门加工中心机，可防止铁、铝屑、油气、粉尘往外扩污染加工场所。可移动式横梁的设计，配合CNC 程式控制机构，不阻碍行车吊挂作业，更方便加工物件移动。搭配风琴护罩设计达到整机全密闭式设计。我们采用高强度铝合金型材以及导轨，顶棚系统可以便捷的安装到现有机床或者新的机床上，由于顶棚的结构特点，机床能被有效的密封。

The Roof Cover can apply to bridge type machining centers to prevent iron chips, aluminum chips, dust, oil and gas from the working environment. The movable horizontal design with a mechanism switch controller would jobs and is more convenient for workpiece movement. It can be used together with a bellows cover to achieve a fully enclosed guard. We use high-strength aluminum alloy profiles and guide rails. The ceiling system can be easily installed on existing or new machine tools. Due to the structural characteristics of the ceiling, the machine can be effectively sealed.



1 : 导向结构
 2 : 铝合金型材
 3 : 防护材料

1 : Guide structure
 2 : Aluminum alloy frame
 3 : Protective material

1.不同的尺寸、结构、固定方式及环境可依机械结构要求订制。
 2.快速位移可达60M/min，低噪音且高防尘、防水、防油效果。
 3.防护幕材质：耐候性佳、防泼水、抗静电、抗撕裂、强度高。
 4.导轨间最大宽度范围6-8米。
 5.如果需要其他尺寸，请与我们联系。

1.Different sizes, construction and mounting methods are available to meet various working environments and machine structures.
 2.Allows for maximum moving speed up to 60 M/min. with low noise and resistance of dust, coolant and oil.
 3.Protection screen material: great weather resistance, water repellent, antistatic, tear resistance, high strength.
 4.The maximum width is 6-8M.
 5.If there' s another dimension needed, please contact us.

设计参考 Design reference

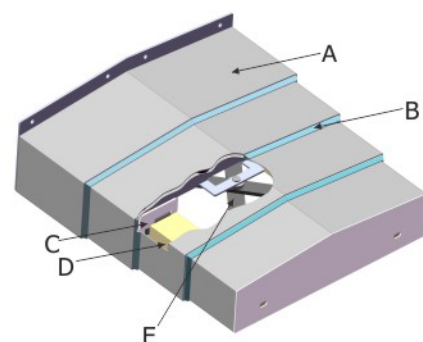


应用/Application

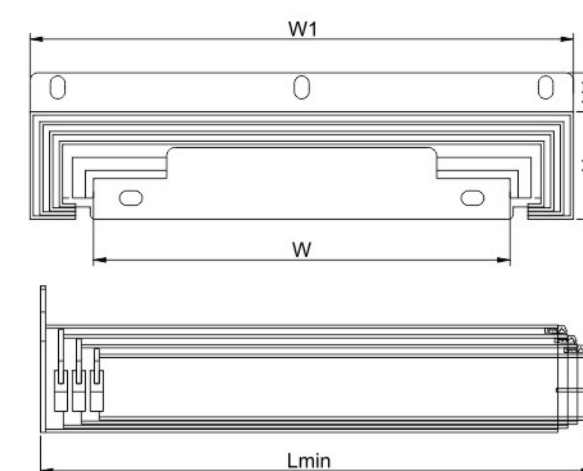
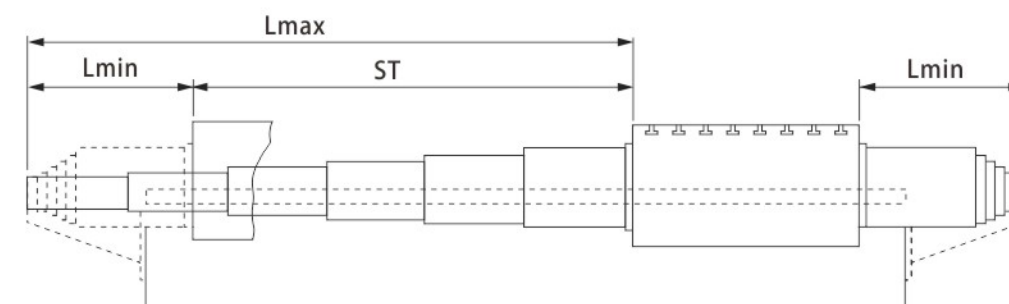
钢板伸缩护罩多用于CNC加工中心X, Y, Z轴, 适用于各类立式加工中心, 龙门铣床, 移动速度可达20m/min-60m/min, 运行平移, 顺畅, 防水防尘效果好。
可根据客户床身, 立柱铸件形状设计制作平面型, 人字型等内防护罩。

The telescopic steel cover is mostly used for CNC machining center X, Y, Z axis, suitable for all kinds of vertical machining center, gantry milling machine, moving speed can reach 20m/min-60m/min, running translation, smooth, good waterproof and dustproof effect.
According to the customer's bed, column casting shape design and production of flat, flat and other inner protective cover.

尺寸标识 Dimensions



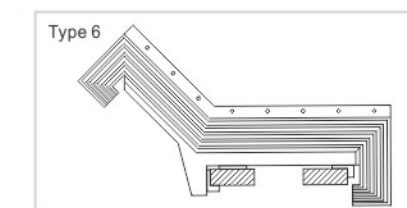
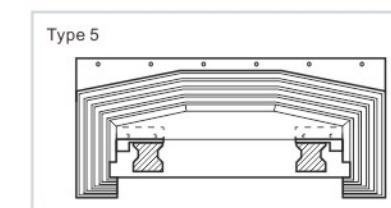
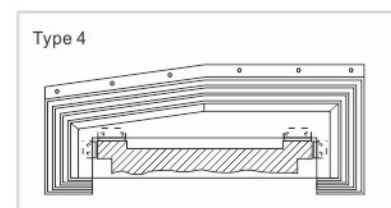
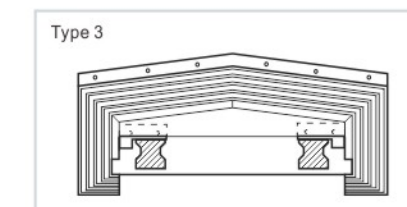
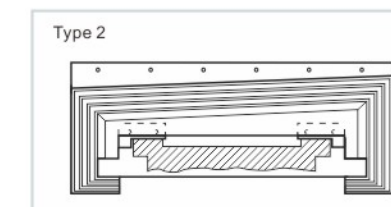
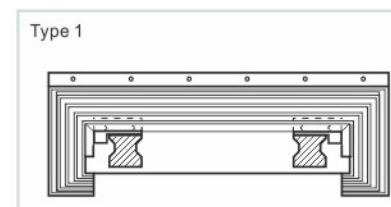
- | | |
|---------|-------------------|
| A: 本体 | A: Steel body |
| B: 刮屑条 | B: Scraping strip |
| C: 支撑滑轮 | C: Support pulley |
| D: 导轨 | D: Slideway |
| E: 绞链机构 | E: Hinges |



- Lmax = 最大拉伸
Lmin = 最小压缩
ST = 工作行程
W = 导轨宽度
W1 = 本体宽度
H = 本体高度
H1 = 安装位置高度

- Lmax = Max.stretched out length
Lmin = Min.compressed length
ST = Lmax-Lmin
W = Slideway width
W1 = Body width
H = Body height
H1 = Installation height

钢板护罩构型 Configurations



注: 以上所图示的护罩结构仅为标准护罩类型
NOTE: Only a few standard configurations of telescopic steel covers are shown above.



应用 Application

工业吹尘枪，强力吹风，低消耗，节约能源。细长管的喷嘴喷射高速，狭窄的气流，可射入深孔，盲孔，以及窄缝等不易清理的场合。

适于用各种加工类生产行业需要吹尘的场所使用，方便安全，风力强劲，品质保证，不生锈，使用时间长。

工业冲水枪，采用一体化铝合金枪体设计，TPR材质包裹枪身，握感舒适。PA材质压力手柄，更有独特的省力开关设计，铝合金枪头，出水量及出水形状可调。

适用于各类型加工机床，用于对生产加工中产生的切屑，灰尘，油污的清洁，方便操作人员对加工产品的操作，检查、检验等。

对于各场合的设备日常保养，清洁等，工业冲水枪及吹尘枪已成为不可缺少的配套产品。

Industrial dust blowing gun, powerful blowing, low consumption and energy saving. The nozzle of the slender tube sprays high speed and narrow air flow, which can be injected into deep holes, blind holes, and narrow slits that are not easy to clean.

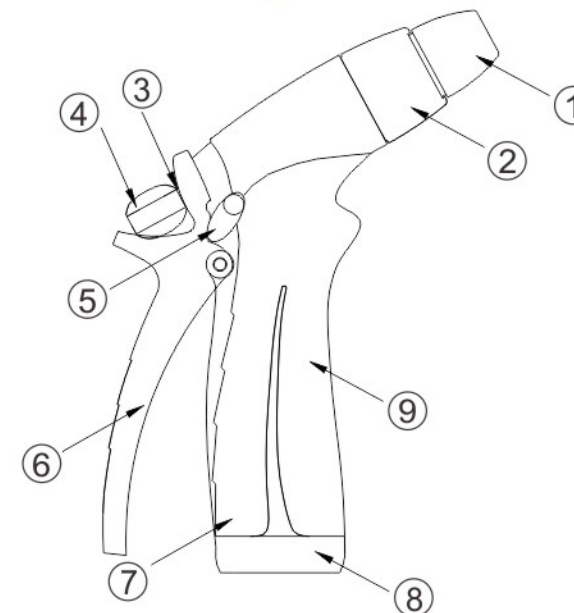
It is suitable for use in places where dust blowing is required in various processing and production industries. It is convenient and safe, with strong wind, quality assurance, no rust, and long use time.

The industrial flush gun adopts an integrated aluminum alloy gun body design, and the gun body is wrapped in TPR material for a comfortable grip. PA material pressure handle, more unique labor-saving switch design, aluminum alloy gun head, adjustable water output and shape.

It is suitable for all types of processing machine tools to clean the chips, dust and oil generated in the production and processing, so as to facilitate the operation, inspection and inspection of the processed products by the operator.

For the daily maintenance and cleaning of equipment in various occasions, industrial flushing guns and dust blowing guns have become indispensable products.

工业冲水枪 Industrial flush gun



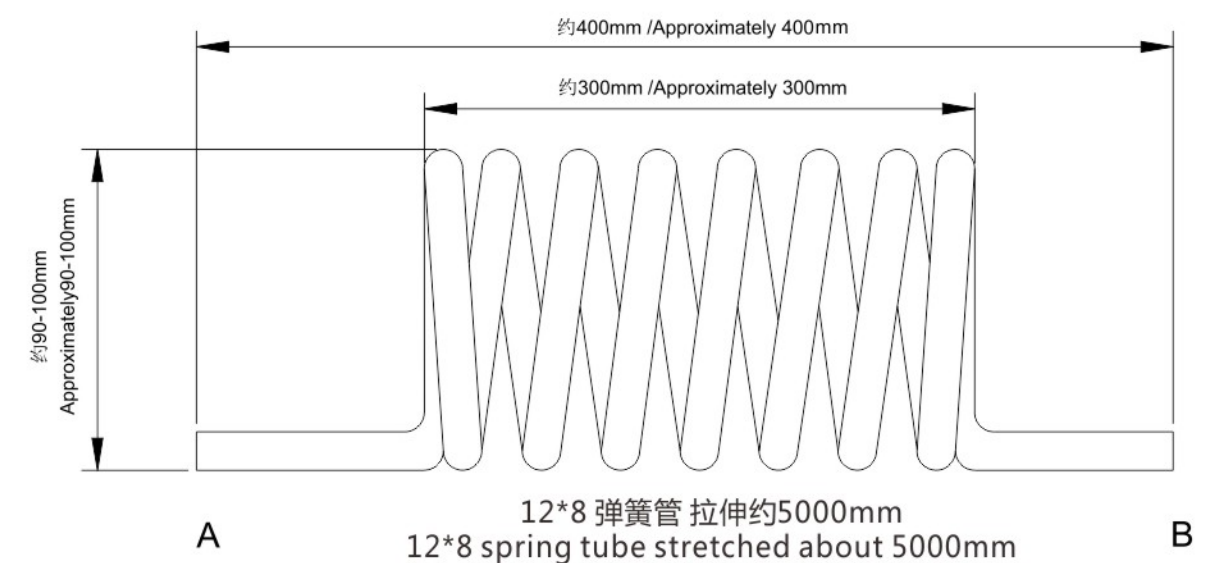
尺寸标识 Dimensions

序号/No.	名称/Name	
1	铝制枪头	Aluminum gun head
2	出水形状调节开关	Water outlet shape adjustment switch
3	铜拉杆	Copper tie rod
4	调节开关	Adjustment switch
5	省力开关	Labor-saving switch
6	压力手柄	Pressure handle
7	铝合金枪体	Aluminum gun body
8	TPR手柄	TPR handle
9	接3/4快拧铜接头	Connect 3/4" quick copper connector

工作环境 Working environment

工作温度:5°C +50°C	Working temperature: 5°C +50°C
工作压力:0-8巴	Working pressure: 0-8 bar
耐压力:10巴	Pressure resistance: 10 bar

组装构成 Assembly composition

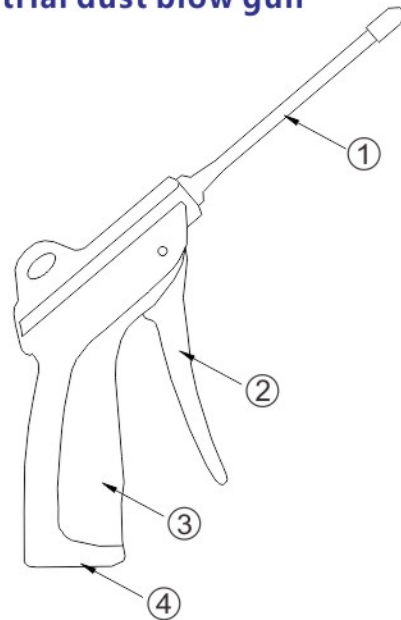


类型/Model	A	B
1	3/4 "快拧铜接头 3/4 "Quick Copper Connector	3/4 "快拧铜接头 3/4 "Quick Copper Connector
		1/2 "快拧铜接头 1/2 "Quick Copper Connector
		3/8 "快拧铜接头 3/8 "Quick Copper Connector

注：弹簧管长度及材质可定制/Note: The length and material of the spring tube can be customized

工业吹尘枪

Industrial dust blow gun



尺寸标识 Dimensions

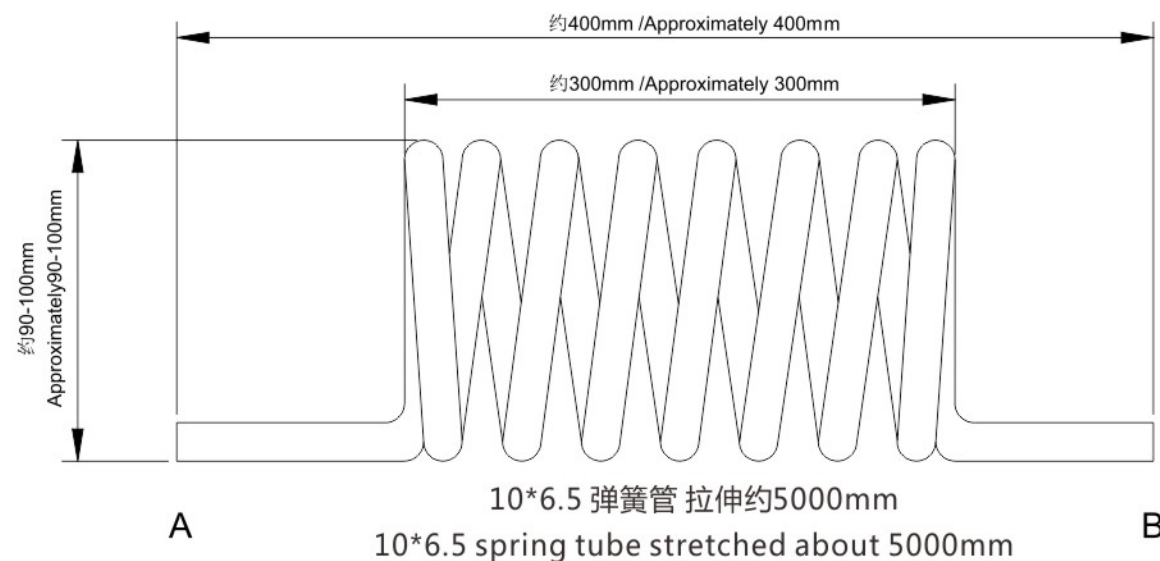
序号/No.	名称/Name	
1	不锈钢枪嘴	Stainless steel nozzle
2	压力手把	Pressure handle
3	POM枪体	POM gun body
4	接1/4接头 (PM-20)	Connect to 1/4 "connector (PM-20)

枪嘴规格/Muzzle model	长度/Long
1	18mm/standard muzzle
2	130mm/Long muzzle
3	300mm/Long muzzle
备注/Remarks	枪嘴长度可订制/Barrel length can be customized

工作环境 Working environment

工作温度:-5°C +60°C	Working temperature: -5°C +60°C
工作压力:0-8公斤	Working pressure: 0-8 kg
耐压力:10公斤	Pressure resistance: 10 kg

组装构成 Assembly composition



类型/Model	A	B
1	SP-30快速接头 SP-30 quick connector	PP-30快速接头 PP-30 quick connector

注：弹簧管长度及材质可定制/Note: The length and material of the spring tube can be customized



应用/Application

万向曲管可任意调整长度、角度、变换口径，专门用来输送流体（液体、气体）。可用于金属机械加工给水、给油、吹气。

Length and angle can be freely adjusted, suitable for most fluids(liquids and gases), hose orifice can be changed as needed. Can be used for air or for water/oil supply to metal processing machinery.

- 1.材料使用高质量的POM塑胶原料，具有抗化学性、油性、药品性。
- 2.最高使用温度：65°C
- 3.使用万向曲管时，会因使用情况的不同，而影响曲管的最大压力，建议使用时做测试。

- 1.Made using superior POM plastic steel; is strongly resistant to oils and chemicals.
- 2.Maximum use temperature: 65°C
- 3.When using Adjustable Coolant Hose, changes in the situation may affect the maximum pressure. It is recommended that tests be performed whenever changes are made.

尺寸标识 Dimensions



常用类型 Commonly used type

型号/Type	外牙接头/PT Connector	产品节数/Product Link	嘴型/Nozzle Type					
			圆嘴/Round Nozzle(mm)			扁嘴/Flat Nozzle(mm)		
1/4	1/4	依需定制/custom made	3	6		10	25	16孔/16 Hole
3/8	3/8	依需定制/custom made	6	9		32	64	
1/2	3/8	依需定制/custom made	6	9	12	32	64	
	1/2							

曲管压力与流量 Hose Pressure and Flow Characteristics

尺寸/Size	建议压力/Recommended pressure	建议流量/Recommended flow
1/4" system	2.0~3.0 kg/cm ²	900 L/H
3/8" system	2.0~3.0 kg/cm ²	1500 L/H
1/2" system	1.4~2.0 kg/cm ²	1700 L/H

Note:

常用材料推荐 Recommended Common Materials

材料 Material	PVC025	PVC038	PVC080	PU080	PU020	PU031	ZR035	YL020	YL080
适合制作风琴护罩 Suitable for bellows									
适合制作卷帘护罩 Suitable for roller									
防水性 Waterproof									
耐油性 Resistant to oil									
耐弱酸弱碱性 Resistance to weak acid and alkali									
阻燃性 Flame retardant									
颜色 Colour	黑色/black	黑色/black	黑色/black	黑色/black	黑色/black	黑色/black	黑色/black	白色/white	白色/white
厚度 Thickness width	0.25mm	0.38mm	0.8mm	0.8mm	0.2mm	0.31mm	0.35mm	0.2mm	0.8mm
推荐使用温度范围 Recommended temperature range	-15°Cto+70°C	-15°Cto+70°C	-15°Cto+70°C	-15°Cto+100°C	-15°Cto+100°C	-15°Cto+100°C	-15°Cto+350°C	-15°Cto+70°C	-15°Cto+70°C
基础材料 Basis of material	polyester	polyester	polyester	polyester	polyester	polyester	aramid	polyester	polyester

☒ 合适/suitable ☐ 不合适not suitable

推荐的为常用材料，特殊类型材料可依客户需求定制。
Recommended materials are commonly used, special materials can be customized according to customer requirements.