

## 结构型系列铆栓 Structural Lockbolt

产品 Product Range				
类型 Types	<b>Standard Lockbolt</b>	<b>Wide Grip Range Lockbolt</b>	<b>Max-Grip® Fasteners</b>	<b>Seal-Grip® Fasteners</b>
材料 Material	钢 Steel, 铝 Alu, 不锈钢 Stainless Steel	钢 Steel, 铝 Alu, 不锈钢 Stainless Steel	钢 Steel	铝 Alu
尺寸范围(mm) Grip Range	4.8mm,6.4mm,8.0mm,9.8mm,12.7mm	4.8mm,6.4mm,8.0mm,9.8mm	4.8mm,6.4mm,8.0mm,9.8mm	4.0mm,5.0mm,6.0mm,7.0mm,8.0mm,9.0mm,10.0mm,11.0mm,12.0mm

### 环槽铆栓 Standard LockBolt:

#### 尺寸 Sizes:

- 4.8mm (3/16")
- 6.4mm (1/4")
- 8.0mm (5/16")
- 9.6mm (3/8")

#### 材料 Materials:

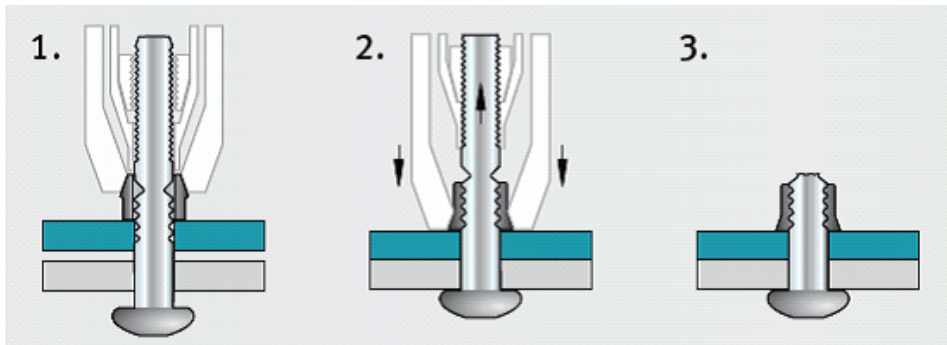
- 铝合金 Aluminium
- 碳钢 Steel
- 不锈钢 Stainless Steel

#### 槽铆栓 I 头类型 Head Styles:

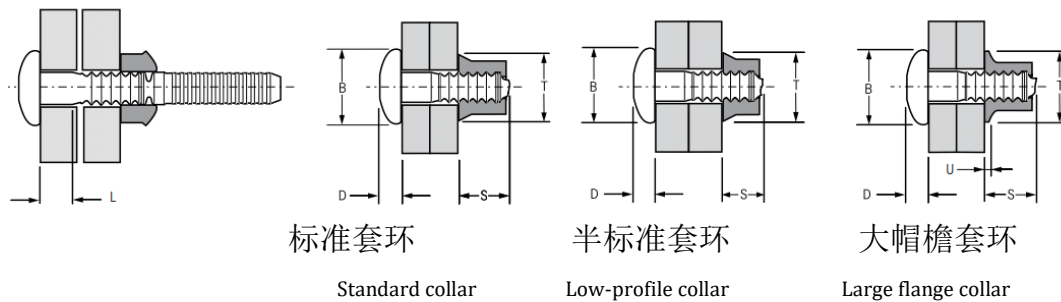
- 盘头 Dome Head Head
- 大盘头 Large Flange Head
- 沉头 Countersunk Head



### 主要特性和优点 Key Features & Benefits:

- 对应于高强度安装要求的高抗剪和抗拉强度  
Exceptional shear and tensile strength
- 高强度受控铆接提供了卓越的抗振动性  
Offers High Strength, anti-vibration to wide range of applications
- 快速安装，针对大范围的应用  
High speed assembly for wide range of applications
- 对于专用安装工具的全面性  
Easy adapt to Avdel & Huck tools
- 对于材料、尺寸、铆钉头类型和铆钉套环的宽范围选择，来满足应用的多样性  
Various material options for different application requirements



### 常用的环槽铆栓 I 规格信息如下表 Specification:



Ø 直径 Dia	 铆接范围 Grip Range		 开孔直径 Hole Size	L	B	D	标准套环 Standard Collar		大帽檐套环 Large Flange collar	
	Min	Max	参考值 Ref	Max	Max	Max	S Max	T Max	S Max	T Max
4.8 (3/16")	1.57	4.75	5.0	1.57	10.1	3.4	9.4	8.0	10.2	9.9
	3.18	6.35		3.18						
	4.75	7.92		4.75						
	6.35	9.53		6.35						

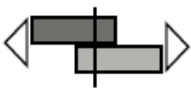



	7.92	11.10		7.92						
	9.53	12.70		9.53						
	11.10	14.27		11.10						
	12.70	15.88		12.70						
	14.27	17.45		14.27						
	15.88	19.05		15.88						
	17.45	20.62		17.45						
	19.05	22.23		19.05						
	20.62	23.80		20.62						
	22.23	25.40		22.23						
	23.80	26.97		23.80						
	25.40	28.58		25.40						
	26.97	30.15		26.97						
	28.58	31.75		28.58						
30.15	33.32	30.15								
6.4 (1/4")	1.57	4.75	6.6	1.57	13.4	4.1	12.2	10.6	13.2	13.1
	3.18	6.35		3.18						
	4.75	7.92		4.75						
	6.35	9.53		6.35						
	7.92	11.10		7.92						
	9.53	12.70		9.53						
	11.10	14.27		11.10						
	12.70	15.88		12.70						
	14.27	17.45		14.27						
	15.88	19.05		15.88						
	17.45	20.62		17.45						
	19.05	22.23		19.05						
	20.62	23.80		20.62						
	22.23	25.40		22.23						
23.80	26.97	23.80								
26.97	30.15	26.97								
30.15	33.32	30.15								
8.0 (5/16")	3.18	9.53	8.2	3.18	16.7	5.5	15.5	13.3	16.8	16.3
	6.35	12.70		6.35						
	9.53	15.88		9.53						
	12.70	19.05		12.70						
	15.88	22.23		15.88						
	19.05	25.40		19.05						
	22.23	28.58		22.23						
	25.40	31.75		25.40						
	28.58	34.93		28.58						
	31.75	38.10		31.75						
	34.93	41.28		34.93						
	38.10	44.45		38.10						

	41.28	47.63		41.28						
	44.45	50.80		44.45						
	47.63	53.98		47.63						
9.6 (3/8")	3.18	9.53	9.8	3.18	20.1	6.7	18.6	15.5	20	20
	6.35	12.70		6.35						
	9.53	15.88		9.53						
	12.70	19.05		12.70						
	15.88	22.23		15.88						
	19.05	25.40		19.05						
	22.23	28.58		22.23						
	25.40	31.75		25.40						
	28.58	34.93		28.58						
	31.75	38.10		31.75						
	34.93	41.28		34.93						
	38.10	44.45		38.10						
	41.28	47.63		41.28						
	44.45	50.80		44.45						
47.63	53.98	47.63								

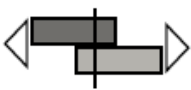

环槽铆栓 I (钢) 的抗拉力和抗剪力数据参考如下表:

**Structural Lockbolt - Steel Performance Data:**

Ø 直径	 抗剪力 Min (KN)	 抗拉力 Min (KN)
3/16"(4.8mm)	8.63	7.34
1/4"(6.4mm)	14.73	13.35
5/16"(8.0mm)	22.38	21.81
3/8"(9.6mm)	32.08	28.93

环槽铆栓 I (铝) 的抗拉力和抗剪力数据参考如下表:

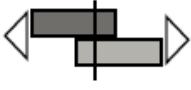

**Structural Lockbolt - Aluminium Performance Data:**

Ø 直径 Dia	 抗剪力 Shear Min (KN)	 抗拉力 Tensile Min (KN)

3/16"(4.8mm)	4.67	4.72
1/4"(6.4mm)	8.34	7.92
5/16"(8.0mm)	13.02	12.68
3/8"(9.6mm)	18.69	18.68

环槽铆栓 I（不锈钢）的抗拉力和抗剪力数据参考如下表：

**Structural Lockbolt - Stainless Steel Performance Data:**

Ø 直径 Dia	 抗剪力 Shear Min (KN)	 抗拉力 Tensile Min (KN)
3/16"(4.8mm)	7.79	9.26
1/4"(6.4mm)	14.55	17.71
5/16"(8.0mm)	22.24	29.80
3/8"(10mm)	31.58	37.81

**任意断点型环槽铆栓 Wide Range Lockbolt:**

**尺寸 Sizes:**

- 4.8mm (3/16")
- 6.4mm (1/4")
- 8.0mm (5/16")
- 9.6mm (3/8")

**材料 Material:**

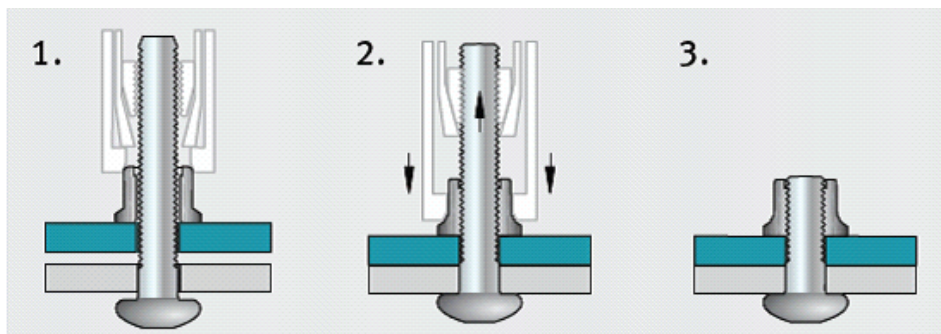
- 铝合金 Aluminium
- 碳钢 Steel

**任意断点型环槽铆栓 I 头类型 Head Styles:**

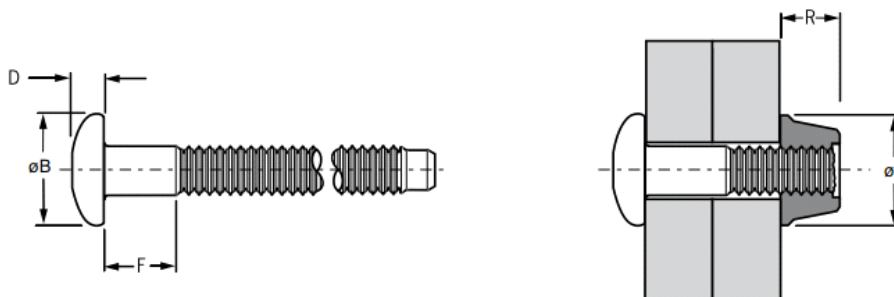
- 盘头 Dome Head
- 大盘头 Large Flange Head
- 沉头 Countersunk Head



### 主要特性和优点 Key Features & Benefits:

- 宽铆接范围减少了紧固件库存和简化了库存控制，适应材料厚度的宽变化范围  
Wide grip range reduce inventory, simplifies stock control, and accommodates wide variations in material thickness
- 对于高强度组装的高抗剪和抗拉强度  
High shear strength and tensile strength
- 高强度受控铆接提供了卓越的抗振性  
High, controlled clamp provides excellent vibration resistance
- 快速安装，针对大范围的应用  
Quick installation for a wide range of applications
- 便于检查撞击  
Easy to inspect tampering
- 对于专用安装工具的大范围选择  
Wide range of special purpose installation tools



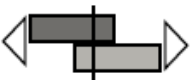

### 常用的任意断点型环槽铆栓 I 规格信息如下表 Specifications:



Ø 直径 Dia	 铆接范围 Grip Range		 开孔直径 Hole Size	ØB	D	F	R	ØT
	Min	Max	Max	Max	Max	Max	Min	Max
4.8 (3/16")	1.6	15.9	5.16	10.1	3.2	2.3	8.7	10.1
	7.9	31.7				8.4		
6.4 (1/4")	1.6	15.9	6.75	13.3	3.9	2.2	13.5	13.2
	7.9	31.7				9.1		

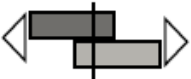

任意断点型环槽铆栓 I (钢) 的抗拉力和抗剪力数据参考如下表:

**Wide Range Lockbolt ( Steel ) Performance Data:**

Ø 直径 Dia	 抗剪力参考值 Shear (KN)	 抗拉力参考值 Tensile (KN)
3/16"(4.8mm)	8.25	10.01
1/4"(6.4mm)	11.79	16.01

任意断点型环槽铆栓 I (铝) 的抗拉力和抗剪力数据参考如下表:

**Wide Range Lockbolt ( Aluminium ) Performance Data:**

Ø 直径 Dia	 抗剪力参考值 Shear (KN)	 抗拉力参考值 Tensile (KN)
3/16"(4.8mm)	4.23	5.78
1/4"(6.4mm)	7.45	9.79