

(8) LR, MR round coil springs LR · MR 圆钢丝螺旋弹簧

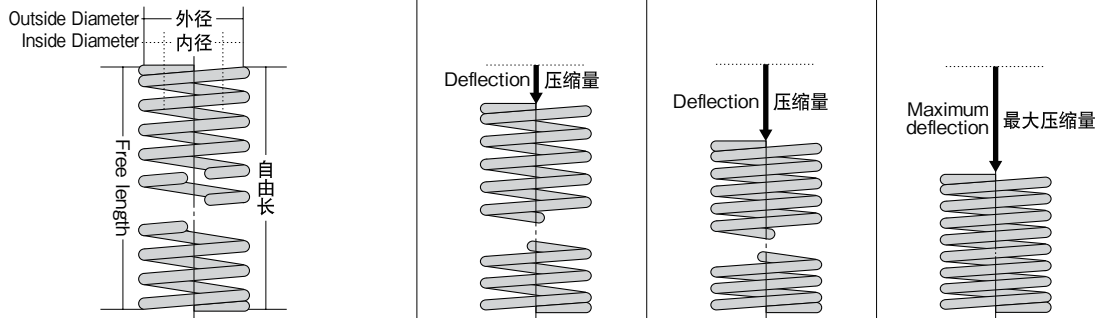
① Characteristics 特征

○ Types, materials and heat-resistant temperatures 弹簧种类、材料和耐热温度

Type 种类	Model 型号	Anti-rust treatment 防锈处理	Material 材料	Temperature range for use 使用温度
LR Round wire compression coil springs LR 圆钢丝压缩螺旋弹簧	LR	Anti-rust lubricants 涂防锈油	B-type piano wire or Oil tempered wire for mechanical spring 琴钢丝 B 种、或 弹簧用硅铬钢	- 30°C ~ 100°C
MR Round wire compression coil springs MR 圆钢丝压缩螺旋弹簧	MR	Anti-rust lubricants 涂防锈油	B-type piano wire or Oil tempered wire for mechanical spring 琴钢丝 B 种、或 弹簧用硅铬钢	- 30°C ~ 100°C

○ Dimensions related to compression ratios 压缩比及尺寸名称

Type 种类	Usage frequency 使用次数	Free length × % Deflection 自由长 × % 压缩量	Free length × % Deflection 自由长 × % 压缩量	Free length × % Deflection 自由长 × % 压缩量
LR round coil springs 圆钢丝螺旋弹簧		16.0%	24.0%	32.0%
MR round coil springs 圆钢丝螺旋弹簧		16.0%	20.0%	24.0%



Reference 参考	<ul style="list-style-type: none"> · However long-size is excluded. (Curvature and compression ratio etc. is not specified) · Regarding the number of times of use, Please contact to the sales agencies listed on page 104 for detail. · 长尺寸规格除外 (长尺寸规格不指定压缩比)。· 有关使用次数问题, 请与第 104 页本公司的垂询窗口联系。
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○ Allowable variances 许用公差

Outside Diameter 外径	Inside Diameter 内径	Free length 自由长		Load 负荷	Windings 旋向
		Below 50mm 以下	Over 55mm 以上		
+ 0 mm - 0.5mm	+ 0.7mm - 0.4mm	± 0.5mm	± 1%	± 10%	Right 右

Reference 参考	<ul style="list-style-type: none"> · However long-size is excluded. (Curvature and compression ratio etc. is not specified) · 长尺寸规格除外 (长尺寸规格不指定许用公差)
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○ The appearance of the springs 外观

外观



LR Long size 长规格



MR Long size 长规格