

(2) TOHATSU JIS Standard: 70 Diameter Use Resin Guide 外径 70 的强力弹簧用树脂导向

RG series RG系列

① Characteristics 特征

1. Materials & working temperature range 材质与使用温度

Type 名称	Material 材质	Temperature range for use 使用温度
Resin guide retainer 树脂导向本体	Please refer to (2) Dimensions Table (Table 1). ②请参看尺寸表「表 1」	110°C or less 110°C以下
Attachment bolts 安装螺栓		

2. Thermal properties 树脂的热性能

Melting point 熔点	Softening temperature 软化温度	Flash temperature 闪点	Ignition temperature 燃点
165°C	162°C	350°C	450°C

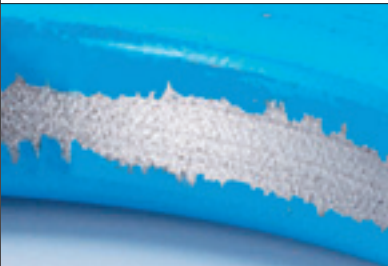
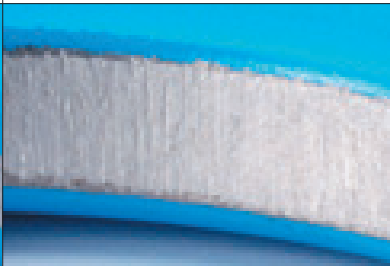


3. Evaluation 树脂导向的使用效果

Comparative tests of the resin guide and metal guide produced the following results.  
以下为树脂导向和金属导向的比较试验结果。

Test conditions (Incline load test) 试验条件(斜负荷试验)

Standard 弹簧规格	TM 70 × 250	Guide method 导向方法	Single 一端导向
Test speed 试验速度	70spm	Guide dimensions 导向的尺寸	L = 100mm
Incline angle 负荷斜度	Twice 2度	Stroke 移动行程	80mm

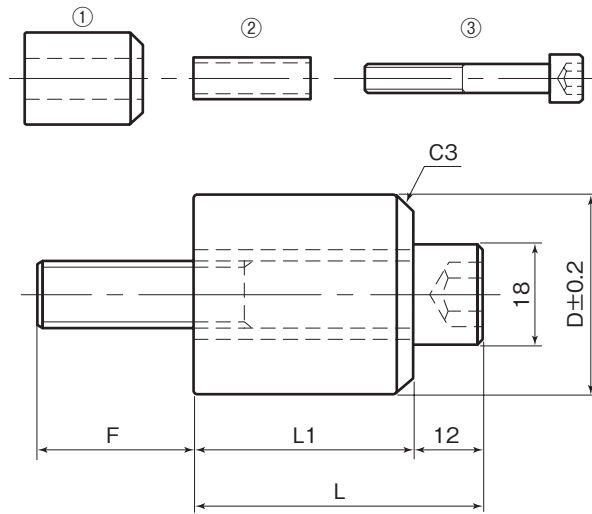
Test results 试验结果

	Resin guide 树脂导向	Steel Guide 金属导向
Time of use 试验时间	256 hour 256 小时	125 hour 125 小时
Use results 试验结果	Undamaged 未断裂	Damaged 断裂
Cutting powder 产生粉末	Minute quantities 微量	Large amount of metal powder 大量金属粉末
TM 70 × 250 Abrasion TM 70 × 250 弹簧 磨损状况		
Abrasion of Guide 导向 磨损情况		

- ① Resin guides are softer than spring steel, and have a lubricated quality, so they are less likely to produce harmful scratches on the spring inner area which result in damage.
- ② Resin guides do not damage springs, so they are able to retain shot peening effect parts, and dramatically reduced durability is uncommon.
- ① 因树脂导向比弹簧钢软，而且具有润滑性，不易在弹簧的内径上造成易于断裂的损伤
- ② 因树脂导向不会损伤弹簧，可以保持弹簧表面强化喷丸的效果，所以不会对弹簧本身的疲劳寿命造成很大的影响。

Table of standards 规格表





※ 1 表 1

No.	Part name	零件名称	Material 材料
①	Resin guide retainer	树脂导向本体	Polyacetal POM (工程塑料)
②	Fixed pipe	固定套管	SS400
③	Bolts used	安装螺栓	SCM435

Example order

Order names	Quantity
RG23-050	100

订货例

型式	数量
RG23-050	100

② Table of standards 规格表

Model 型号	D	L	L1	The size of applicable bolt 使用螺栓	F	Applicable standard 适用弹簧规格
RG 23 - 050	23	50.0	38.0	M 12 X 65 X P = 1.75	27.0	TL50 · TM50 TH50 · TB50
RG 23 - 075		75.0	63.0	M 12 X 90 X P = 1.75		
RG 23 - 100		100.0	88.0	M 12 X 115 X P = 1.75		
RG 23 - 125		125.0	113.0	M 12 X 140 X P = 1.75		
RG 26 - 050	26	50.0	38.0	M 12 X 65 X P = 1.75	27.0	TF 50
RG 26 - 075		75.0	63.0	M 12 X 90 X P = 1.75		
RG 26 - 100		100.0	88.0	M 12 X 115 X P = 1.75		
RG 26 - 125		125.0	113.0	M 12 X 140 X P = 1.75		
RG 28 - 050	28	50.0	38.0	M 12 X 65 X P = 1.75	27.0	TL60 · TM60 TH60 · TB60
RG 28 - 075		75.0	63.0	M 12 X 90 X P = 1.75		
RG 28 - 100		100.0	88.0	M 12 X 115 X P = 1.75		
RG 28 - 125		125.0	113.0	M 12 X 140 X P = 1.75		
RG 31 - 050	31	50.0	38.0	M 12 X 65 X P = 1.75	27.0	TF 60
RG 31 - 075		75.0	63.0	M 12 X 90 X P = 1.75		
RG 31 - 100		100.0	88.0	M 12 X 115 X P = 1.75		
RG 31 - 125		125.0	113.0	M 12 X 140 X P = 1.75		
RG 36 - 050	36	50.0	38.0	M 12 X 65 X P = 1.75	27.0	TF70 · TL70 · TM70 TH70 · TB70
RG 36 - 075		75.0	63.0	M 12 X 90 X P = 1.75		
RG 36 - 100		100.0	88.0	M 12 X 115 X P = 1.75		
RG 36 - 125		125.0	113.0	M 12 X 140 X P = 1.75		