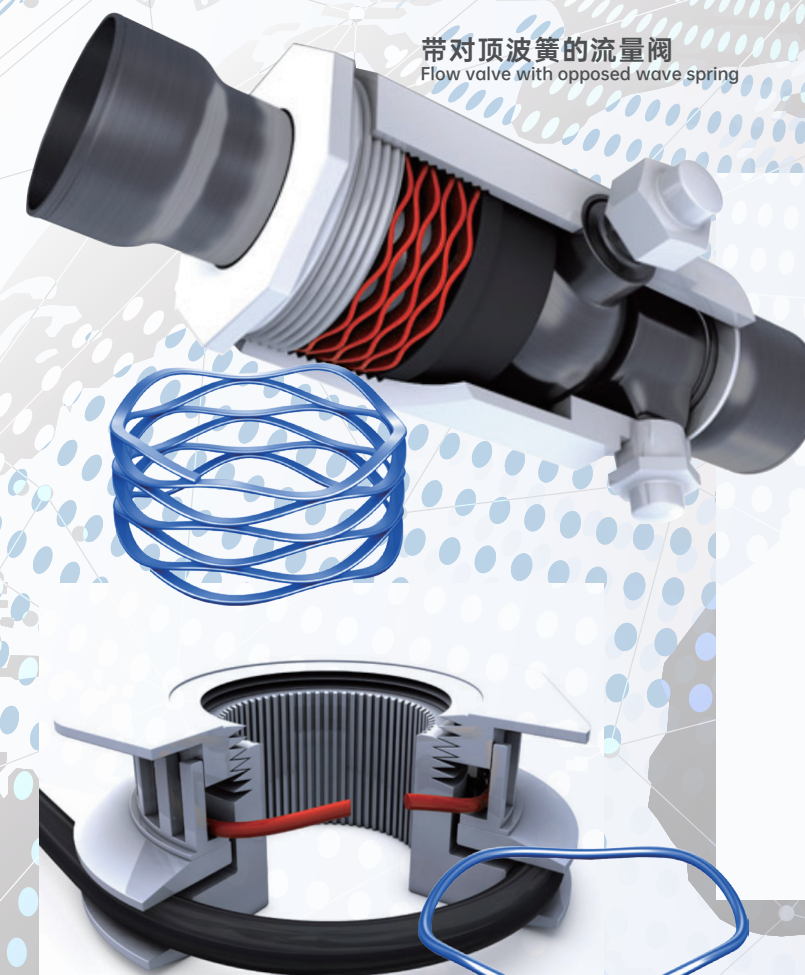


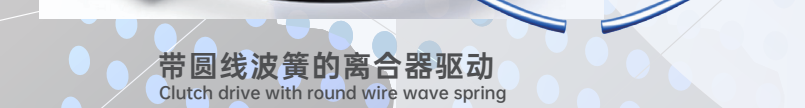


带对顶波簧的流量阀  
Flow valve with opposed wave spring

波簧及挡圈广泛应用于汽车、液压气动、精密机械、电机、泵阀、工程机械等领域，核心适配轴承预压、机械密封补偿、离合器/制动器调压、阀芯轴向定位、电机端盖缓冲、齿轮箱部件限位等紧凑空间的弹性预压与轴向固定工况。



带挡圈、搭口波簧的航空航天连接器  
Aerospace connector with retaining rings and gap-type wave spring



带圆线波簧的离合器驱动  
Clutch drive with round wire wave spring

# 为什么选择我们?

省空间

高精度

高品质

质量证书和专利证书  
Quality certificate and patent certificate



微信公众号  
WeChat Official Account



微信  
WeChat



抖音号  
Tik Tok



微信视频号  
WeChat Channels

上海敏硕机电科技有限公司  
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可定制化设计, 提供从研发、生产到售后的全流程服务, 适配非标准工况需求  
CUSTOMIZABLE DESIGN, FULL R&D, PRODUCTION & AFTER-SALES SERVICE, FOR NON-STANDARD CONDITIONS

轴向安装高度减少  
REDUCED AXIAL INSTALLATION HEIGHT

# 50%

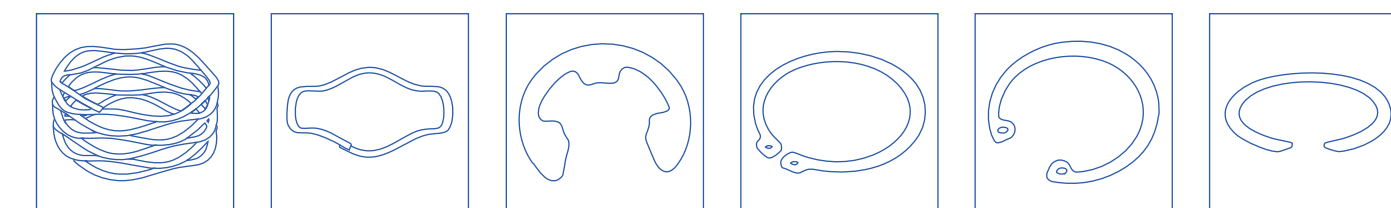
通过IATF16949:2016质量体系认证  
轴向安装高度减少50%  
标准规格 · 支持定制



Traditional Coil Spring

Multi-Turn Wave Spring

## 敏硕波簧及挡圈手册 Mascot Wave Spring and Retaining Ring Manual



规格多样 支持定制  
Diverse specifications support customization

绕制挡圈  
Winding Ring

扁线内挡圈  
Flat Wire Inner Retaining Ring



扁线外挡圈  
Flat Wire Outer Retaining Ring



冲压挡圈  
Stamped Retaining Ring

开口挡圈  
Open Retaining Ring



有耳轴用挡圈  
Retaining Ring With Lugs for Shafts

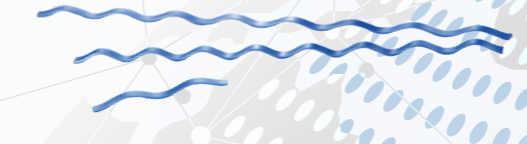


有耳孔用挡圈  
Retaining Ring With Lugs for Bores



波形弹簧  
Wave Spring

线型波簧  
Linear Springs-WL Series



侧波型  
Side Linear Springs-WE Series



绕制挡圈  
Winding Ring

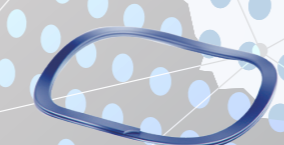
螺旋内挡圈  
Spiral Inner Retaining Ring



螺旋外挡圈  
Spiral Outer Retaining Ring



波形内挡圈  
Corrugated Inner Retaining Ring



波形外挡圈  
Corrugated Outer Retaining Ring



等截面外挡圈  
Equal Section Outer Retaining Ring



等截面内挡圈  
Equal Section Inner Retaining Ring



波形弹簧  
Wave Spring

搭口波簧  
Overlap Type-WO Series



闭口波簧  
Closed-end Type-DC Series



对顶波簧  
Counter Wave Springs



平顶波簧  
Flat Wave Springs



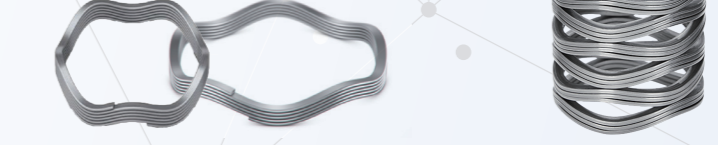
缺口波簧  
Gap Type-WG Series



圆线波簧  
Wave Springs-WR Series



叠型波簧  
Stacked Wave Springs



平垫圈  
Flat Washer Type-WF Series

