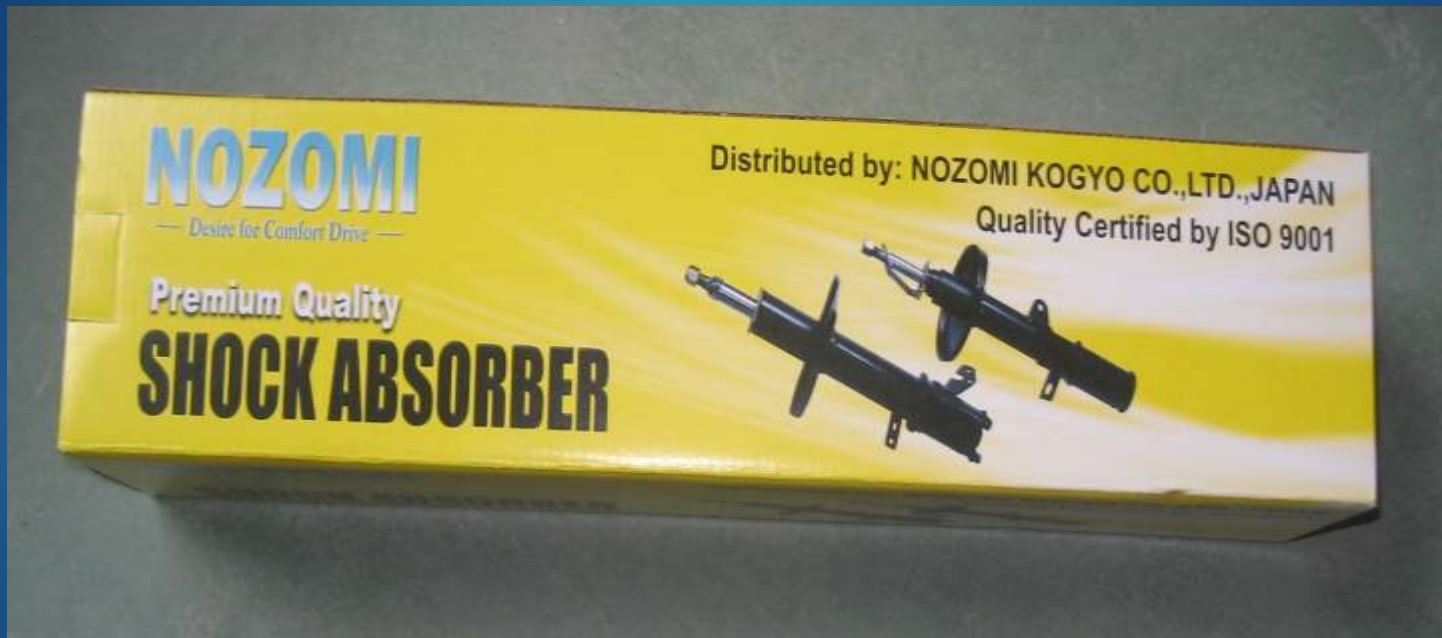




Quality Control



*Quality guaranteed by
Nozomi Kogyo Co., Ltd., Japan*

Quality Policy

Quality Policy

Quality First
Continuous Improvement

Customer-Centered
Pursuing Excellence

Quality Target

Quality Target

Qualified of product 100%
Customer satisfaction 100%



Quality control in raw material

Stringent requirements on the raw materials of the important parts

- 1、 The material of spring is 55CrSiA
- 2、 Using fine tube for working cylinder
- 3、 Using SAPH440 high – strength stamping steel material

Stringent requirements on the suppliers of the important parts

- 1、 Using Powder metallurgy steel for spring and piston rod
- 2、 Using “NOK” brand oil seal
- 3、 Using “NOK” brand grease
- 4、 Using “Fengli” brand steel tube
(one of the biggest steel company in China).

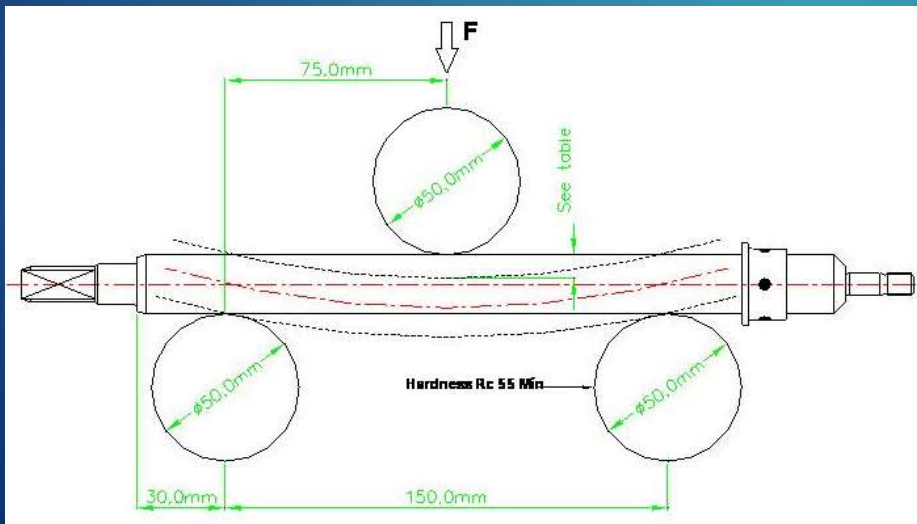


采购产品检查结果报告及审理单													
产品名称		产品代号		来料日期		检验日期		抽检数					
规格或状态		来货数量		出厂质量证明书 号(批次)		生产单位				以样 留产 其他		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
检查项目		1	2	3	4	5	判定	<div> <div> <div>专 业 技 术 人 员 意 见</div> <div> 签字: _____ 日期: _____ </div> </div> <div> <div>研 究 部 主 管 意 见</div> <div> 签字: _____ 日期: _____ </div> </div> <div> <div>批 准</div> <div> 签字: _____ 日期: _____ </div> </div> </div>					
尺 寸	①												
	②												
	③												
	④												
	⑤												
	⑥												
	⑦												
	⑧												
	⑨												
内 观	材质: (以化学成分判定)												
其 它	外观: (以图纸资料判定)												
备注				检验 <input type="checkbox"/> OK <input type="checkbox"/> NG		备注		1. 进料检查《进料检验管理办法》和《统计制程计划》执行; 2. 接收标准按《外观检验标准》、Q86301995.1-2009的规定;					
QC		审核		处理 结论		本单由QC填写一式三份,品管、库管、采购各一份							

编号: QC-F-024-A1

Regularly experiment on important parts

1、Piston rod: salt spray test & bend test



Regularly experiment on important parts

2、Spring: forced standing test & endurance test



Regularly experiment on important parts

3、Upper mount and other rubber parts: baking anti-aging test & endurance test



Regularly experiment on important parts

4、Cushion pad and other plastic parts

Durable impact test

**High - temperature anti-aging and
oil resistance test**

Low - temperature anti-craking test



Regularly experiment on important parts

5、Performance test of the damping oil

上海海联润滑材料科技有限公司				
图样: 02-10-301		修改号: 5	报告编号: 0102011090600	
测 试 报 告				
品 名: HIRI 281 SV-3 减振器油		抽 号: 1109061		
项 目	合格范围	实测数值	测试方法	
外 观	浅黄色透明液体	浅黄色透明液体	HR.03.T0	
运动粘度 mm^2/s				
40 $^{\circ}\text{C}$	13 - 16	14.12	GB/T265	
100 $^{\circ}\text{C}$	≥ 3.5	4.05		
-30 $^{\circ}\text{C}$	≤ 1000	852		
粘度指数	V1 ≥ 190	208	GB/T2541	
倾 点 $^{\circ}\text{C}$	≤ -50	-51	GB/T3535	
闪 点 (开口) $^{\circ}\text{C}$	≥ 150	170	GB/T3536	
泡沫特性 (ml/ml)				
93.5 $^{\circ}\text{C}$	$\leq 30/0$	30/0	GB/T12579	
四球试验 PB N	≥ 588	598	GB/T3142	
$D_{4+0.05}$ mm	≤ 0.4	0.39	SH/T0189	
水 分 %	\leq 痕迹	无	GB/T260	
机械杂质 %	无	无	GB/T511	
备注:				
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>测试者: 王园园</p> </div> <div style="text-align: center;">  <p>复核者: 尤静</p> </div> <div style="text-align: center;"> <p>审核: 曾强</p> <p>日期: 2011年10月6日</p> </div> </div>				

Quality control in production process

Quality control in production process

Carry out Lean Production:

- ◆ Do not accept defective products
- ◆ Do not produce defective products
- ◆ Do not deliver defective products



Quality control in production process

Quality control in production process

- 1、 Three-time Inspection on the initial workpie by the operator, PQC and the class monitor



Quality control in production process

Quality control in production process

1、Patrol Inspection by the operator and PQC



迅速 丁寧 安心
モノづくりを支える
品質管理サポート

NOZOMI

Quality control in production process

Quality control in production process

100% inspection before the package





Quality control in production process

Quality control in production process

100% leakage test after welding



Quality control in production process

Quality control in production process

100% damping force test



Quality control in production process

Quality control in production process

Doing welding strength test regularly



Quality control in production process

Doing adhesion test and salt spray test on painted surfaces regularly.





Quality control in production process

Quality control in production process

Doing bench test and
comparing with the original
sample



Quality control in production process

Quality control in production process

Doing car test when releasing the new number and changing the suppliers of the important parts



Quality control in production process

Quality control in production process

Strength testing Machine



NOZOMI

Quality control in production process

Quality control in production process

Corrosion resistance
testing machine



NOZOMI

Quality control in production process

Quality control in production process

DF (Damping Force)
Damping Force Testing Machine



Quality control in production process

Quality control in production process

Durability testing machine





Provide better service constantly to make customer satisfied

- ◆ Determine customer's requirement and meanwhile reach a service agreement with customer.
- ◆ Establish service projects to meet customer's requirement and verify their effectiveness.
- ◆ Provide necessary technology and service to ensure customer satisfaction, and strive to exceed customer's expectation.



Customer's feedback is wake progress

- ◆ Establish control procedures for customer's complaints, and ensure effective communication between customer feedback and manufacturing, engineering and designing departments.
- ◆ Take effective corrective and preventive actions.
- ◆ Conduct customer satisfaction surveys ,submit management accessment, implement the continuous improvement.

Thank you!
Muchas gracias!
ありがとうございます!

Visit our website at www.ldgtt.com
Call us toll free at **800 - 4LDG**



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