

# RIW

## STEERING & SUSPENSION MANUFACTURER



# SSANGYONG PRODUCT CATALOG



## Products

- Ball Joint
- Tie Rod End
- Axial Joint
- Link Stabilizer
- Control Arm
- Center Rod
- Stabilizer Mounting
- Suspension Kit
- Bush
- Tie Rod Assembly
- Mounting
- Steering Bellow
- Axle Bellow



### About Us

RIW is an organization that produces high quality suspension and steering parts for passenger cars and light commercial vehicles in the automotive aftermarket industry. RIW aims to improve the automotive industry and benefit the country's economy with the target of safely using the vehicle by the end user. As one of the widest range steering and suspension parts manufacturer in the world, production and assembling facilities of RIW contains operations of the following product lines in steering and suspension group for the aftermarket; ball joint, tie rod end, axial joint (inner tie rod), tie rod assembly, link stabilizer, center rot, control arm, wishbone, bush, mount and rubber products. As a result of wide product range, high product quality, reasonable price and customer-focused studies, RIW takes the first place among the largest spare parts company in Turkey. Through execution of Research and Development in the production of the steering and suspension parts of passenger cars and light commercial vehicles, and at the most advanced and technological conditions, RIW is Turkey's most modern spare parts manufacturer.

The culture of the company takes product quality, technological development and customer satisfaction as the priority; therefore Automotive Aftermarket Industry use RIW brand product with confident. By taking advantage of latest technology machining's in its modern production facility, and also taking employee safety as the main principle in the every stage of the production; from design to production, production to quality, packaging to delivery, marketing to sales RIW has succeeded to be a respectable brand in more than 60 countries worldwide.

### Mission

Providing the latest developed item to the market in high quality as the first in the aftermarket and improving product quality in the every part of the World.

### Vision

Spreading the "RIW Standards" which is made by advanced technology and aftermarket experiences to benefit the whole world.

### Production Strategy

RIW engineers control every stage of the production processes such as product design, mold design, machining, hot and cold forging, aluminum forging, vertical and horizontal arm milling machining, control arm manufacturing, welding, painting, coating and packaging, in its facilities separately. RIW accepts each stage of production as a different unit and advocates the idea that in order to provide the fastest and highest quality product each unit should act as a separate process during its planning for assembling and production. Hence, in this competitive market conditions where it is difficult to reach large capital numbers, RIW invests in the direction of quality control and development.

In contrast to the mindset that every single step in the production is under one roof, RIW ensures that the raw materials and semi-finished products are continuously inspected by experienced engineers and always keeps its quality under control in each stage of the production process. With this system, thanks to the latest technology machinery and test equipment used to apply quality testing at every stage, RIW always offers 100% controlled products to its customers and both minimizes the risk of error to zero and aims to offer competitive prices to the customers by decreasing the product costs.

### Total Quality

RIW that aspires total quality approach has constantly increased its production capacity upon investments and quality works made and has become a preferred brand in the world aftermarket. Acting with the awareness of being a manufacturer of safety components, RIW actively exports its high-quality products too many countries located in Europe, North Africa, Middle East, Australia, North and South America.

At all stages from the start to the end of production, RIW closely monitors and checks the quality of its products and ensures that reliable and high quality products are offered to its customers. All tests and procedures are carried out by highly experienced RIW engineers until they find the right quality to develop the aftermarket industry.



- The codes which has 6 characters are suspension parts (Additional codes are exceptional)
- The codes which has 7 characters are rubber parts (Additional codes are exceptional)
- There is no any specific code for Rod Assembly.
- Rod Assembly codes are the combine of Tie Rod End and Axial Joint.
- Same parts which are used at the different cars might have the same code.

# PE 6 001 J

## Brand

AC ACURA	DC DACIA	IS ISUZU	LE LEYLAND	PE PEUGEOT	SM SMART
AF ALFA ROMEO	DW DAEWOO	IV IVECO	LC LINCOLN	PO PORSCHE	SY SSANGYONG
AU AUDI	DH DAIHATSU	JG JAGUAR	LO LOTUS	PR PROTON	SU SUBARU
BW BMW	DO DODGE	JP JEEP	MZ MAZDA	RE RENAULT	SZ SUZUKI
BU BUICK	FI FIAT	KI KIA	ME MERCEDES	RR ROLLS-ROYCE	TO TOYOTA
CD CADILLAC	FO FORD	LD LADA	MC MINI COOPER	RO ROVER	VA VAUXHALL
CV CHEVROLET	HN HONDA	LR LAND ROVER	MI MITSUBISHI	SA SAAB	VW VOLKSWAGEN
CY CHRYSLER	HY HYUNDAI	LV LDV	NS NISSAN	SE SEAT	VO VOLVO
CI CITROËN	IK IKCO	LX LEXUS	OP OPEL	SK SKODA	

## Product Group

1 BALL JOINT	7 CENTER ROD & DRAG LINK	23 TIE ROD ASSEMBLY
2 TIE ROD END	8 SUSPENSION KITS	12 MOUNTING & RUBBER SUPPORT
3 AXIAL JOINT (INNER TIE ROD)	9 REAR WISHBONE AND CONTROL ARM	128 MOUNTING or RUBBER SUPPORT KIT
4 LINK STABILIZER	10 BUSH	13 BELLOW STEERING
5 CONTROL ARM	11 BUSH	14 BELLOW DRIVE SHAFT
6 WISHBONE	118 REPAIR & BUSH KIT	

## Numbers

001 Any Number ■

## Option






### ADDITIONALS CODES AND MEANINGS

<b>K K FOR BALL JOINTS</b>	<b>B B FOR WISHBONE and CONTROL ARMS</b>
VW1012K 1 = BALL JOINT K = WITH EXTRA ACCESSORIES	BW5005B 5 = CONTROL ARM B = WITHOUT BUSHING
VW1012 1 = BALL JOINT	BW5005 5 = CONTROL ARM (The similar as OE part)
<b>J J FOR WISHBONES</b>	<b>K K FOR MOUNTINGS (RUBBER PARTS)</b>
PE6001J 6 = WISHBONE J = WITHOUT BALL JOINT	CV12005K 12 = MOUNTING K = KIT, 2 PIECES or WITH EXTRA ACCESSORIES
PE6001 6 = WISHBONE (The similar as the OE part)	CV12005 12 = MOUNTING (The similar as OE part)
<b>K K FOR WISHBONES or CONTROL ARMS (5,6 or 9)</b>	<b>A THE PRODUCT HAS DIFFERENT OPTION</b>
BW6005K 6 = WISHBONE K = WITH EXTRA ACCESSORIES	FO4030A 4 = LINK STABILIZER A = OPTION (metal, rubber), plastic etc)
BW6005 6 = WISHBONE	FO4030 4 = LINK STABILIZER (The similar as OE part)








# SSANGYONG


**ACTYON**
**I**
**2005 - 2009**

Image	Product Code and Description	Details	OEM
	<b>SY1001</b> BALL JOINT FRONT LOWER	Weight : 0,766 kg / 1.689 lb	44541-09000, 44541-09001 44541-09002, 44541-09003 44541-09004, 44541-09005
	<b>SY2001</b> TIE ROD END RH	Weight : 1,046 kg / 2.306 lb	46660-09013
	<b>SY2002</b> TIE ROD END LH	Weight : 1,046 kg / 2.306 lb	46660-09004
	<b>SY3001</b> AXIAL JOINT	Weight : 0,600 kg / 1.323 lb Length : 212 mm / 8.35 inch	4650009005
	<b>SY4001</b> LINK STABILIZER REAR RH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475209000
	<b>SY4002</b> LINK STABILIZER REAR LH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475109000
	<b>SY6001</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER RH		44402-09010, 44402-09011
	<b>SY6002</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER LH		44401-09010, 44401-09011
	<b>SY6003</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER RH	Weight : 7,310 kg / 16.116 lb	4450209001, 4450209004 4450209100
	<b>SY6004</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER LH	Weight : 7,310 kg / 16.116 lb	4450109001, 4450109004 4450109100



**ACTYON**
**II**
**2010 -**

Image	Product Code and Description	Details	OEM
	<b>SY1001</b> BALL JOINT FRONT LOWER	Weight : 0,766 kg / 1.689 lb	44541-09000, 44541-09001 44541-09002, 44541-09003 44541-09004, 44541-09005
	<b>SY6001</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER RH		44402-09010, 44402-09011
	<b>SY6002</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER LH		44401-09010, 44401-09011
	<b>SY6003</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER RH	Weight : 7,310 kg / 16.116 lb	4450209001, 4450209004 4450209100
	<b>SY6004</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER LH	Weight : 7,310 kg / 16.116 lb	4450109001, 4450109004 4450109100

**CHAIRMAN**
**H**
**1997 - 2014**

Image	Product Code and Description	Details	OEM
	<b>ME12135</b> JOINT, PROPSHAFT	Weight : 0,635 kg / 1.400 lb	1244110115, 1244110615 2024100315
	<b>ME12136</b> JOINT, PROPSHAFT	Weight : 0,895 kg / 1.973 lb	1244100215, 2014101715 2024101315

**KORANDO**
**KJ**
**1996 - 1999**









Image	Product Code and Description	Details	OEM
	<b>DW1003</b> BALL JOINT FRONT UPPER	Weight : 0,736 kg / 1.623 lb Cone Size [mm] : Ø17,5 Connection Hole Diameter : Ø8,5 Ball Pin Thread Size : M16X1,5	4443003011, 44430-03011
	<b>DW1004</b> BALL JOINT FRONT LOWER	Weight : 1,45 kg / 3.197 lb Cone Size [mm] : Ø17,5 Connection Hole Diameter : Ø12,5 Ball Pin Thread Size : M16X1,5	4550505001, 45505-05001

\* Name of all vehicles, brands, models, symbols and logos, OE numbers and other third party numbers in this website and catalog are used for reference purposes only.









**KORANDO**
**KJ**
**1996 - 1999**

Image	Product Code and Description	Details	OEM
	<b>DW2011</b> TIE ROD END	Weight : 0,405 kg / 0.893 lb Length : 84 mm / 3.31 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5 Ball Pin Cone Diameter : Ø16	4666005500, 46660-05500 4666005501, 46660-05501 4666005502



**KYRON**
**2005 - 2006**

Image	Product Code and Description	Details	OEM
	<b>SY1001</b> BALL JOINT FRONT LOWER	Weight : 0,766 kg / 1.689 lb	44541-09000, 44541-09001 44541-09002, 44541-09003 44541-09004, 44541-09005
	<b>SY3001</b> AXIAL JOINT	Weight : 0,600 kg / 1.323 lb Length : 212 mm / 8.35 inch	4650009005
	<b>SY4001</b> LINK STABILIZER REAR RH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475209000
	<b>SY4002</b> LINK STABILIZER REAR LH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475109000
	<b>SY6001</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER RH		44402-09010, 44402-09011
	<b>SY6002</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER LH		44401-09010, 44401-09011
	<b>SY6003</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER RH	Weight : 7,310 kg / 16.116 lb	4450209001, 4450209004 4450209100
	<b>SY6004</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER LH	Weight : 7,310 kg / 16.116 lb	4450109001, 4450109004 4450109100

**KYRON**
**2007 - 2014**

Image	Product Code and Description	Details	OEM
	<b>SY1001</b> BALL JOINT FRONT LOWER	Weight : 0,766 kg / 1.689 lb	44541-09000, 44541-09001 44541-09002, 44541-09003 44541-09004, 44541-09005
	<b>SY3001</b> AXIAL JOINT	Weight : 0,600 kg / 1.323 lb Length : 212 mm / 8.35 inch	4650009005
	<b>SY4001</b> LINK STABILIZER REAR RH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475209000
	<b>SY4002</b> LINK STABILIZER REAR LH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475109000
	<b>SY6001</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER RH		44402-09010, 44402-09011
	<b>SY6002</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER LH		44401-09010, 44401-09011
	<b>SY6003</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER RH	Weight : 7,310 kg / 16.116 lb	4450209001, 4450209004 4450209100
	<b>SY6004</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER LH	Weight : 7,310 kg / 16.116 lb	4450109001, 4450109004 4450109100


**MUSSO**
**1999 - 2005**

Image	Product Code and Description	Details	OEM
	<b>DW2011</b> TIE ROD END	Weight : 0,405 kg / 0.893 lb Length : 84 mm / 3.31 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5 Ball Pin Cone Diameter : Ø16	4666005500, 46660-05500 4666005501, 46660-05501 4666005502
	<b>DW3006</b> AXIAL JOINT	Weight : 0,571 kg / 1.259 lb Length : 274 mm / 10.79 inch	








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**MUSSO**
**1999 - 2005**

Image	Product Code and Description	Details	OEM
	<b>DW4006</b> LINK STABILIZER FRONT	Weight : 0,254 kg / 0.560 lb Length : 111 mm / 4.37 inch Ball Pin Thread Size : M10X1,25	4775005001, 47750-05001

**REXTON**
**2003 - 2006**

Image	Product Code and Description	Details	OEM
	<b>SY3001</b> AXIAL JOINT	Weight : 0,600 kg / 1.323 lb Length : 212 mm / 8.35 inch	4650009005
	<b>SY4001</b> LINK STABILIZER REAR RH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475209000
	<b>SY4002</b> LINK STABILIZER REAR LH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475109000
	<b>SY6001</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER RH		44402-09010, 44402-09011
	<b>SY6002</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER LH		44401-09010, 44401-09011
	<b>SY6003</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER RH	Weight : 7,310 kg / 16.116 lb	4450209001, 4450209004 4450209100
	<b>SY6004</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER LH	Weight : 7,310 kg / 16.116 lb	4450109001, 4450109004 4450109100

**REXTON**
**2007 - 2012**

Image	Product Code and Description	Details	OEM
	<b>SY1001</b> BALL JOINT FRONT LOWER	Weight : 0,766 kg / 1.689 lb	44541-09000, 44541-09001 44541-09002, 44541-09003 44541-09004, 44541-09005

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**REXTON**
**2007 - 2012**

Image	Product Code and Description	Details	OEM
	<b>SY2001</b> TIE ROD END RH	Weight : 1,046 kg / 2.306 lb	46660-09013
	<b>SY2002</b> TIE ROD END LH	Weight : 1,046 kg / 2.306 lb	46660-09004
	<b>SY3001</b> AXIAL JOINT	Weight : 0,600 kg / 1.323 lb Length : 212 mm / 8.35 inch	4650009005
	<b>SY4001</b> LINK STABILIZER REAR RH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475209000
	<b>SY4002</b> LINK STABILIZER REAR LH	Weight : 0,345 kg / 0.761 lb Length : 167,5 mm / 6.59 inch	4475109000
	<b>SY6001</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER RH		44402-09010, 44402-09011
	<b>SY6002</b> CONTROL ARM (WITH BALL JOINT) FRONT UPPER LH		44401-09010, 44401-09011
	<b>SY6003</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER RH	Weight : 7,310 kg / 16.116 lb	4450209001, 4450209004 4450209100
	<b>SY6004</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER LH	Weight : 7,310 kg / 16.116 lb	4450109001, 4450109004 4450109100



# NOTES

Product Code	Additional Information
<b>SY1001</b> BALL JOINT FRONT LOWER	L=98mm
<b>SY6003</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER RH	4WD
<b>SY6004</b> CONTROL ARM (WITH BALL JOINT) FRONT LOWER LH	4WD