

RIW

STEERING & SUSPENSION MANUFACTURER



GEO 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

K K FOR BALL JOINTS	B B FOR WISHBONE and CONTROL ARMS
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)
J J FOR WISHBONES	K K FOR MOUNTINGS (RUBBER PARTS)
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)
K K FOR WISHBONES or CONTROL ARMS (5,6 or 9)	A THE PRODUCT HAS DIFFERENT OPTION
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)





GEO

METRO
1989 - 1994








Image	Product Code and Description	Details	OEM
	MI1008 BALL JOINT FRONT LOWER LH	Weight : 1,465 kg / 3.230 lb Cone Size [mm] : Ø19,4 Connection Hole Diameter : Ø12,5 Ball Pin Thread Size : M16X1,5	MB296269, MB831037
	MI1009 BALL JOINT FRONT LOWER RH	Weight : 1,465 kg / 3.230 lb Cone Size [mm] : Ø19,4 Connection Hole Diameter : Ø12,5 Ball Pin Thread Size : M16X1,5	MB831038, MR296270
	SZ2003 TIE ROD END	Weight : 0,263 kg / 0.580 lb Length : 69 mm / 2.72 inch Body Thread Size : M12X1,25 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,5	4881060B00, 48810-60B00 48810-76G00, 4881082000 48810-82000, 96052290 SU4881076G0000
	SZ3005 AXIAL JOINT	Weight : 0,565 kg / 1.246 lb Length : 291 mm / 11.46 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M12X1,25	4883060B00, 48830-60B00
	SZ6013 WISHBONE (WITH BALL JOINT) FRONT LOWER RH	Weight : 2,614 kg / 5.763 lb Material Type : Metal	4520150G10, 45201-50G10 4520160B01, 45201-60B01 4520170C00, 45201-70C00
	SZ6014 WISHBONE (WITH BALL JOINT) FRONT LOWER LH	Weight : 2,587 kg / 5.703 lb Material Type : Metal	4520250G10, 45202-50G10 45202-60B01, 4520270C00 45202-70C00, 48520260B01
	SZ12012 STRUT MOUNTING FRONT	Chassis (Front / Rear) : Front Weight : 0,465 kg / 1.025 lb	41710-50G00, 41710-60B00 41710-60B00-000, 41710-60B00-000S1 41741-60B00, 91171892 96060516
	SZ12013 STRUT MOUNTING REAR	Chassis (Front / Rear) : Rear	41910-60E00

METRO
1995 - 1997




Image	Product Code and Description	Details	OEM
	MI1007 BALL JOINT FRONT UPPER	Weight : 0,595 kg / 1.312 lb Cone Size [mm] : Ø16,1 Connection Hole Diameter : Ø8,5 Ball Pin Thread Size : M14X1,5	MB860829, MB860830
	MI1008 BALL JOINT FRONT LOWER LH	Weight : 1,465 kg / 3.230 lb Cone Size [mm] : Ø19,4 Connection Hole Diameter : Ø12,5 Ball Pin Thread Size : M16X1,5	MB296269, MB831037

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METRO
1995 - 1997







Image	Product Code and Description	Details	OEM
	MI1009 BALL JOINT FRONT LOWER RH	Weight : 1,465 kg / 3.230 lb Cone Size [mm] : Ø19,4 Connection Hole Diameter : Ø12,5 Ball Pin Thread Size : M16X1,5	MB831038, MR296270
	SZ2003 TIE ROD END	Weight : 0,263 kg / 0.580 lb Length : 69 mm / 2.72 inch Body Thread Size : M12X1,25 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,5	4881060B00, 48810-60B00 48810-76G00, 4881082000 48810-82000, 96052290 SU4881076G0000
	SZ3005 AXIAL JOINT	Weight : 0,565 kg / 1.246 lb Length : 291 mm / 11.46 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M12X1,25	4883060B00, 48830-60B00
	CV12032 STABILISER MOUNTING	Chassis (Front / Rear) : Front	4553050G10, 91173155 91173755
	CV12032K STABILISER MOUNTING KIT	Chassis (Front / Rear) : Front	4553050G10, 91173155 91173755
	SZ12012 STRUT MOUNTING FRONT	Chassis (Front / Rear) : Front Weight : 0,465 kg / 1.025 lb	41710-50G00, 41710-60B00 41710-60B00-000, 41710-60B00-000S1 41741-60B00, 91171892 96060516
	SZ12013 STRUT MOUNTING REAR	Chassis (Front / Rear) : Rear	41910-60E00

PRIZM
1989 - 1992





Image	Product Code and Description	Details	OEM
	TO1001 BALL JOINT FRONT LOWER RH	Weight : 0,758 kg / 1.671 lb Cone Size [mm] : Ø15,7 Connection Hole Diameter : Ø12 / M12X1,25 Ball Pin Thread Size : M14X1,5	4333019065, 43330-19065 4333019066, 43330-19066
	TO1002 BALL JOINT FRONT LOWER LH	Weight : 0,758 kg / 1.671 lb Cone Size [mm] : Ø15,7 Connection Hole Diameter : Ø12 / M12X1,25 Ball Pin Thread Size : M14X1,5	, 4334019015 43340-19015, 4334019016 43340-19016
	TO1010 BALL JOINT FRONT LOWER	Weight : 0,735 kg / 1.620 lb Cone Size [mm] : Ø15,2 Connection Hole Diameter : Ø12 / M12X1,25 Ball Pin Thread Size : M14X1,5 Ball Joint Body Diameter : Ø44	4333009030, 4333019095 43330-19095, 4333029265 43330-29265, 4333029315 43330-29315, 4333029375 43330-29375

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PRIZM
1989 - 1992

Image	Product Code and Description	Details	OEM
	TO2015 TIE ROD END	Weight : 0,325 kg / 0.717 lb Length : 83 mm / 3.27 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,6	4504609090, 45046-09090 4504619175, 45046-19175 4504629305, 45046-29305 4540629265, 45406-29265
	TO3814 AXIAL JOINT	Weight : 0,671 kg / 1.479 lb Length : 330 mm / 12.99 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5	4550319125, 45503-19125
	TO3816 AXIAL JOINT	Weight : 0,576 kg / 1.270 lb Length : 321 mm / 12.64 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5	4550319135, 45503-19135
	TO3828 AXIAL JOINT	Weight : 0,623 kg / 1.373 lb Length : 313 mm / 12.32 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5	4550319215, 45503-19215 4550329365, 45503-29365
	TO4017 LINK STABILIZER REAR	Weight : 0,275 kg / 0.606 lb Material Type : Metal Length : 104 mm / 4.09 inch Ball Pin Thread Size : M10X1,25	48830-12060, 48830-20010 48830-20040, 48830-32020 52320S-Z3003
	TO12029 ENGINE MOUNTING	Weight : 0,785 kg / 1.731 lb	12361-16090




PRIZM
1992 - 1997

Image	Product Code and Description	Details	OEM
	TO1001 BALL JOINT FRONT LOWER RH	Weight : 0,758 kg / 1.671 lb Cone Size [mm] : Ø15,7 Connection Hole Diameter : Ø12 / M12X1,25 Ball Pin Thread Size : M14X1,5	4333019065, 43330-19065 4333019066, 43330-19066
	TO1002 BALL JOINT FRONT LOWER LH	Weight : 0,758 kg / 1.671 lb Cone Size [mm] : Ø15,7 Connection Hole Diameter : Ø12 / M12X1,25 Ball Pin Thread Size : M14X1,5	, 4334019015 43340-19015, 4334019016 43340-19016
	TO1010 BALL JOINT FRONT LOWER	Weight : 0,735 kg / 1.620 lb Cone Size [mm] : Ø15,2 Connection Hole Diameter : Ø12 / M12X1,25 Ball Pin Thread Size : M14X1,5 Ball Joint Body Diameter : Ø44	4333009030, 4333019095 43330-19095, 4333029265 43330-29265, 4333029315 43330-29315, 4333029375 43330-29375
	TO2015 TIE ROD END	Weight : 0,325 kg / 0.717 lb Length : 83 mm / 3.27 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,6	4504609090, 45046-09090 4504619175, 45046-19175 4504629305, 45046-29305 4540629265, 45406-29265

PRIZM
1992 - 1997




Image	Product Code and Description	Details	OEM
	TO3814 AXIAL JOINT	Weight : 0,671 kg / 1.479 lb Length : 330 mm / 12.99 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5	4550319125, 45503-19125
	TO3816 AXIAL JOINT	Weight : 0,576 kg / 1.270 lb Length : 321 mm / 12.64 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5	4550319135, 45503-19135
	TO3828 AXIAL JOINT	Weight : 0,623 kg / 1.373 lb Length : 313 mm / 12.32 inch Body Thread Size : M14X1,5 Ball Pin Thread Size : M14X1,5	4550319215, 45503-19215 4550329365, 45503-29365
	TO4017 LINK STABILIZER REAR	Weight : 0,275 kg / 0.606 lb Material Type : Metal Length : 104 mm / 4.09 inch Ball Pin Thread Size : M10X1,25	48830-12060, 48830-20010 48830-20040, 48830-32020 52320S-Z3003
	TO12027 ENGINE MOUNTING SUPPORT UPPER RH	Chassis (Front / Rear) : Front Position : Upper Right Weight : 1,455 kg / 3.208 lb	12305-11030, 12305-15040
	TO12028 ENGINE MOUNTING	Weight : 0,615 kg / 1.356 lb	12361-11170, 12361-11180 12361-11181, 12361-15170 12361-15180
	TO12031 ENGINE MOUNTING		12371-02060, 12371-64210 94853489

TRACKER
1989 - 1992

Image	Product Code and Description	Details	OEM
	SZ1001 BALL JOINT FRONT LOWER	Weight : 1,33 kg / 2.932 lb Cone Size [mm] : Ø16,1 Connection Hole Diameter : Ø12,1 Ball Pin Thread Size : M14X1,5	45700-60A00, 45700-85C00
	SZ2005 TIE ROD END	Weight : 0,603 kg / 1.329 lb Length : 321 mm / 12.64 inch Body Thread Size : M16X1,5 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,5	4882060A00, 48820-60A00 4882077, 96058698
	SZ2007 TIE ROD END OUTER	Weight : 0,325 kg / 0.717 lb Length : 92 mm / 3.62 inch Body Thread Size : M16X1,5 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,5	48810-85C00

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TRACKER
1992 - 1997

Image	Product Code and Description	Details	OEM
	SZ1001 BALL JOINT FRONT LOWER	Weight : 1,33 kg / 2.932 lb Cone Size [mm] : Ø16,1 Connection Hole Diameter : Ø12,1 Ball Pin Thread Size : M14X1,5	45700-60A00, 45700-85C00
	SZ2005 TIE ROD END	Weight : 0,603 kg / 1.329 lb Length : 321 mm / 12.64 inch Body Thread Size : M16X1,5 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,5	4882060A00, 48820-60A00 4882077, 96058698
	SZ2007 TIE ROD END OUTER	Weight : 0,325 kg / 0.717 lb Length : 92 mm / 3.62 inch Body Thread Size : M16X1,5 Ball Pin Thread Size : M12X1,25 Ball Pin Cone Diameter : Ø12,5	48810-85C00



NOTES

Product Code	Additional Information
CV12032K STABILISER MOUNTING KIT	2 PIECES IN 1 BOX
MI1007 BALL JOINT FRONT UPPER	4WD
SZ2005 TIE ROD END	INNER
TO3814 AXIAL JOINT	MANUAL STEERING
TO3816 AXIAL JOINT	POWER STEERING