



**Junior**  
GAS SPRING



# POWERLIFT CATALOGUE

## Junior Gas Spring

Gas Springs

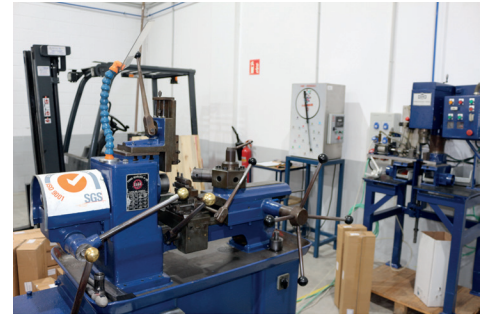
Resortes  
Neumáticos

Verins

Molle a Gas

Gasfeder

Amortecedores  
da mala



Certificate ES10/8319

The management system of

**JUNIOR DERQUI, S.L.**  
**(JUNIOR GAS SPRING)**

Complejo Ideal, Pol. Ind. Alcalá 10, C/ 2, Nave 2  
41500 Alcalá de Guadaíra (Sevilla)

has been assessed and certified as meeting the requirements of

**ISO 9001:2015**

For the following activities

**Gas springs manufacturing and distribution for automotive and furniture uses.**

in/ from the following sites

Complejo Ideal, Pol. Ind. Alcalá 10, C/ 2, Nave 2 - 41500 Alcalá de Guadaíra (Sevilla)

This certificate is valid from  
14 June 2019 until 14 June 2022.  
Issue 6. Certified with SGS since June 2010.

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## THE COMPANY

JUNIOR GAS SPRING (JUNIOR DERQUI S.L.U.) was founded in 2002 and has been consolidated throughout these 20 years of experience in the national and international market to which it supplies gas springs to OE producers for bus, furniture and industrial sector.

Currently, Junior Gas Spring has the capacity to produce 300,000 springs per year tailored to its customers and with no minimum quantity per order, thanks to a patented system by which with only 85 references they can provide service for the equivalent of a stock of 1,421 passenger cars.

The company, has been following the ISO 9001:2015 quality management system since 2009 without any non conformity, and uses management systems such as the 5's , lean manufacturing and visual management. As a result of the innovations that the company has been introducing throughout these years of evolution, today it has an average service rate of 99.5% (order fill rate) in 24 hours, (Iberian Peninsula) in its orders, agility that it achieves thanks to the qualified manufacturing team and the sales team, made up of 26 people, of which 18 are sales agents distributed in Spain, Portugal, England and France.

The weekly review of the business parameters is a work guideline that the company has followed since its inception, as it has been applying in all its processes.

The key of our successful evolution consists in having unloaded stock that is customized at the last moment. For this we use control systems where we obtain the traceability of the product both in the manufacture and in the expedition”.

Junior Gas Spring is one of the very few manufacturers in Europe dedicated mainly to automotive spare parts and has several patents for gas springs.

The company has been awarded by the CEA (Andalusian entrepreneur's organization) for its industrial excellence , also the Red Cross for its social commitment and the IIST (Instituto Internacional San Telmo Business school) .

The company follows an environmental policy using a patented system of retractable sleeves instead of painting and recycling 100% of the waste.

1. A Gas Spring is filled with oil and highly pressurized gas. Therefore, do not try to open or drill into a Gas spring.
2. JUNIOR Gas Springs should be installed with the rod end downward.
3. First, check and compare design, length and mountings before installing the new gas spring.
4. Remember that it is the gas springs that holds the bonnet and rear hatch.
5. To avoid injuries of any kind, ensure a secure fastening of the bonnet or rear hatch when replacing springs.
6. Check mounting points in the body. If they are damaged they should be changed or repaired.
7. We recommend that the springs on the vehicle should be replaced in pairs.
8. On a car that has been extra equipped with blinds or spoilers for example. There is a risk that the rear hatch may be too heavy for gas spring designed with the original elevating power.
9. Gas Springs are design to bear axial loads only. Consequently any side load forces should be avoided. Specifically when Gas Springs are equipped with eyelet end fittings, special attention should be paid to design of connecting shafts in order to provide appropriated clearance (according to each application). As an indication only, we would advise: 0.3 to 0.5 mm clearance on shafts diameter and 0.5 to 1.0 mm clearance on each side of the eyelets.
10. The rod should be protected from particle blasting.
11. Please contact us when Gas Springs have to be working in corrosive environment or outside with the rod in extended position.
12. Make sure to avoid pollution of the rod surface by glue, putty, adhesives, corrosive products, paint, etc...
13. When the cylinder has to be repainted, be careful to protect the rod (solvents should not be used to clean the rod in order to avoid damaging the seal).
14. Protect the rod from blows, shocks, sparks from electric or grinding machines.
15. Never grip the rod with pliers or in a vice without using efficient protective lead, aluminum or copper jaws.
16. Be careful to heating effect of infrared devices (80°C maximum allowed temperature).
17. Operating temperature range : from -30°C to + 80°C Endurance behavior based on 60.000 working cycles test: 15% maximum performance loss. (test actual results will vary according to stroke length and nominal force value).
18. Nominal data are given for 20°C reference temperature. For each step of 3°C, forces variation might be 1%. Check "temperature Vs F1" in "downloads"
19. The self-contained gas (Nitrogen) is a neutral component of the atmosphere. Consequently, gas release is totally safe.
20. The Gas Spring other components, except the oil, are mainly steel so recycling of these components is similar to steel recycling.
21. To avoid pollution, used oil should be collected according to specific industrial waste regulations of each country.

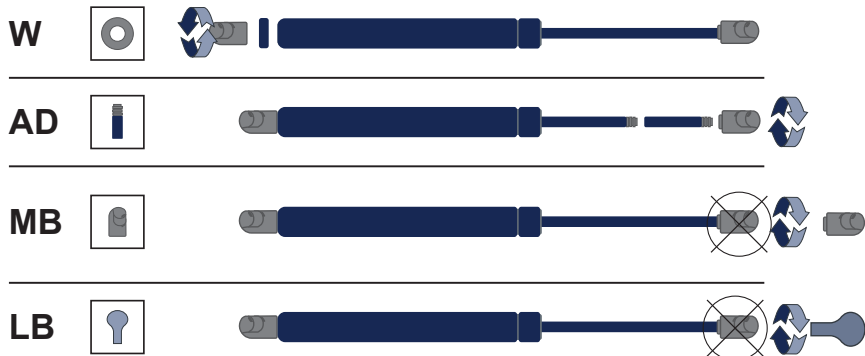
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VIDEO TUTORIAL



## JB



## AGS



## GI



# ELECTRIC



BRAND	MODEL	REF.	OE NO.
AUDI	A7/S7/RS7 Sportback 2012-2018 LH/RH	JPWLYQ54194	4G8827665B
AUDI	Q3 2015-2018 LH/RH	JPWLD2701	8U0827851
AUDI	Q5/SQ5 2017-2020 LH/ RH	JPWLD2705	80A827851A
BMW	3 Series GT F34 2013- 2020 LH	JPWLD2812L	51247298983
BMW	3 Series GT F34 2013- 2020 RH	JPWLD2812R	51247298984
BMW	5 F10 F18 2011-2016 LH	JPWLD2813L	51247207009
BMW	5 F10 F18 2011-2016 RH	JPWLD2813R	51247207010
BMW	5 G30 G38 F90 2016- 2020 LH	JPWLYQ52907	51247366403
BMW	5 G30 G38 F90 2016- 2020 RH	JPWLD2817	51247366404
BMW	5 GT F07 2010-2017 LH/ RH	JPWLD2810	51247200543
BMW	5 Series E60 2003-2010 LH	JPWLYQ51274	51247045884
BMW	5 Series E60 2003-2010 RH	JPWLYQ45856	51247141490
BMW	5 Series F10 F18 2009- 2017 LH	JPWLYQ46246	51247204366
BMW	5 Series F10 F18 2009- 2017 RH	JPWLYQ46245	51247204367
BMW	5 Series Touring E39 2001-2002 LH/RH	JPWLYQ32023	51248220072
BMW	7X0LI F02 2010-2014 RH	JPWLD2809R	51247185714
BMW	7X0LI F02 2010-2014 LH	JPWLD2809L	51247185713
BMW	X1 F48 F49 2018 LH	JPWLD2816	51247481807
BMW	X1 F48 F49 2018 RH	JPWLYQ51669	51247481803
BMW	X1 F48 2016-2017 LH/RH	JPWLD2820	51247350837
BMW	X2 F39 2018-2020 LH/RH	JPWLD2822	51249465654
BMW	X3 F25 2011-2014 LH	JPWLD2808L	51247232003
BMW	X3 F25 2011-2014 RH	JPWLD2808R	51247232004
BMW	X3 G01 G08 F97 2018- LH	JPWLYQ53348	51247497482
BMW	X3 G01 G08 F97 2018- RH	JPWLD2821	51247397322
BMW	X4 F26 2015-2017 LH	JPWLD2811L	51247339431
BMW	X4 F26 2015-2017 RH	JPWLD2811R	51247339432
BMW	X5 E70 2007-2013 LH/RH	JPWLYQ43743	51247294199

# ELECTRIC



BRAND	MODEL	REF.	OE NO.
BMW	X5 E70 E70 LCI 2007-2013 LH	JPWLD2806L	51247332695
BMW	X5 E70 E70 LCI 2007-2013 RH	JPWLD2806R	51247332696
BMW	X5 F15 201-42017 RH (1 PLUGS)	JPWLD2807R	51247294470
BMW	X5 F15 2014-2017 LH (1 PLUGS)	JPWLD2807L	51247294469
BMW	X5 F15 F85 2014-2018 LH (2 PLUGS)	JPWLD2818L	51247434041
BMW	X5 F15 F85 2014-2018 RH (2 PLUGS)	JPWLD2818R	51247434042
BMW	X6 E71 2007-2014 LH	JPWLD2805L	51247332697
BMW	X6 E71 2007-2014 LH/RH	JPWLYQ51300	51247201939
BMW	X6 E71 2007-2014 RH	JPWLD2805R	51247332698
BMW	X6 F16 2015-2019 LH (1 PLUGS)	JPWLD2804L	51247318651
BMW	X6 F16 2015-2019 LH (2 PLUGS)	JPWLD2819L	51247434043
BMW	X6 F16 2015-2019 RH (1 PLUG)	JPWLD2804R	51247318652
BMW	X6 F16 2015-2019 RH (2 PLUG)	JPWLD2819R	51247434044
BUICK	ENVISION 2014- RH	JPWLYQ43086	23226556
BUICK	ENVISION 2016-2020 LH	JPWLD1801	22895254
BUICK	GL8 2017-2019 LH	JPWLD1804	26205647
BUICK	GL8 2017-2019 RH	JPWLYQ47199	3041108
BYD	S7 LH	JPWLD3503L	SEH-6309110A
BYD	S7 RH	JPWLD3503R	SEH-6309120A
BYD	SONG EV LH	JPWLD3507L	SA6309511
BYD	SONG EV RH	JPWLD3507R	SA6309511
BYD	TANG LH	JPWLD3506L	ST-6309511
BYD	TANG RH	JPWLD3506R	ST-6309512
CADILLAC	Escalade 2015-2020	JPWLD2002	84306929
CADILLAC	Escalade 2015-2020	JPWLYQ53203	84183515
CADILLAC	SRX 2016- LH	JPWLD2005	23294346
CADILLAC	SRX 2016- RH	JPWLYQ54200	23234077
CADILLAC	XT5 2016-2018 LH	JPWLD2003	84227758
CADILLAC	XT5 2016-2018 RH	JPWLYQ52917	23508434
CHEVY	TIGGO 8 2019-2021 LH	JPWLD1504	554000582AA
CHEVY	TIGGO 8 2019-2021 RH	JPWLYQ55035	554000583AA

# ELECTRIC



BRAND	MODEL	REF.	OE NO.
CHEVROLET	Equinox 2018-2020 LH	JPWLD2102	84569355
CHEVROLET	Equinox 2018-2020 RH	JPWLYQ53201	84133944
FORD	Edge 2009-2013 LH	JPWLD1106	FK7BR402A55AC
FORD	Edge 2009-2013 RH	JPWLYQ54722	FK7BR402A74AB
FORD	Edge 2015-2018 LH	JPWLD1108	FT4Z14B351A
FORD	Edge 2015-2018 RH	JPWLYQ53199	FT4Z58406A10B
FORD	Expedition 2018-2020 LH/RH / Lincoln Navigator 2018-	JPWLD1111	KL1Z14B351A
FORD	Explorer 2011-2013 RH	JPWLYQ53188	BB5Z78406A10B
FORD	Explorer 2015 LH	JPWLD1105	FB5Z14B351A
FORD	Explorer 2016-2019 LH	JPWLD1109	GB5Z14B351A
FORD	Explorer 2016-2019 RH	JPWLYQ53189	GB5Z78406A10A
FORD	Grand C-Max 2010-2019 RH	JPWLD1107R	"2359182
FORD	Grand C-Max 2010-2019 LH	JPWLD1107L	"2359184
FORD	KUGA & Escape 2013-2019 LH	JPWLD1102	CJ54S402A55AD
FORD	KUGA & Escape 2013-2019 RH	JPWLYQ53200	CJ5Z78406A10B
FORD	Mondeo 2015-2020 LH	JPWLD1110	DS73N402A55AE
FORD	Mondeo 2015-2020 RH	JPWLYQ54409	DS73N402A74AC
FORD	S-MAX 2015- LH	JPWLD1112	EM2BR402A55AB
FORD	S-MAX 2015- RH	JPWLYQ54408	EM2BR402A74AC
GEELY	DNL-5	JPWLD1604L	5062026800
GEELY	DNL-5	JPWLD1604R	5062027600
GEELY	NL-3BA	JPWLD1605L	5062025700
GEELY	NL-3BA	JPWLD1605R	5062025600
GEELY	VF11	JPWLD1606L	5062022600
GEELY	VF11	JPWLD1606R	5062022500
GEELY	VF12	JPWLD1607L	5062037700
GEELY	VF12	JPWLD1607R	5062037600
GMC	Terrain 2018-2020 RH	JPWLYQ53202	84321803
HONDA	CR-V 5-DOOR 2017-2020 LH	JPWLD2407	74961TLA305
HONDA	CR-V 5-DOOR 2017-2020 RH	JPWLYQ53354	74981TLA305
HONDA	PILOT 5-DOOR 2016-2017 LH	JPWLD2406	74961TG7315
HONDA	PILOT 5-DOOR 2016-2017 RH	JPWLYQ53355	74981TG7315



# ELECTRIC



BRAND	MODEL	REF.	OE NO.
HONDA	PILOT 5-DOOR 2018-2020 LH	JPWLD2408	74961TG7325
HONDA	PILOT 5-DOOR 2018-2020 RH	JPWLYQ54279	74981TG7306
HONDA	HS 5 LH/RH	JPWLD3601	6309615D002
HYUNDAI	Santa Fe 2013-2019 LH	JPWLD1904L	81771B8100
HYUNDAI	Santa Fe 2013-2019 RH	JPWLD1904R	81780B8100
HYUNDAI	Santa Fe Sport/ix45 2015-2018 LH	JPWLD1905L	817702W600
HYUNDAI	Santa Fe Sport/ix45 2015-2018 RH	JPWLD1905R	817802W600
HYUNDAI	Tucson 2016-2019 LH	JPWLD1902L	81770D3100
HYUNDAI	Tucson 2016-2019 RH	JPWLD1902R	81780D3100
INFINITI	FX50 2011-2013 LH/RH	JPWLD4301	905603FY0A
INFINITI	QX60 2013-2016 LH/RH	JPWLD4302	905603JA0A
JAGUAR	FSPACE 2016-2018 LH/RH	JPWLD4201	HK8370354AA
JEEP	CHEROKEE 2015-2019 LH	JPWLD1203	68231345AC
JEEP	CHEROKEE 2015-2020 RH	JPWLYQ50693	68103066AB
JEEP	CHEROKEE 2020- LH	JPWLD1205	68289846AB
JEEP	GRAND CHEROKEE 2014-2021 RH	JPWLYQ51683	68165052AE
JEEP	GRAND CHEROKEE 2015-2021 LH	JPWLD1204	68333901AD
KIA	SORENTO 2016-2020 LH/RH	JPWLD4901	81770C5100
LEXUS	NX 2015-2017 LH	JPWLD1405L	6892079016
LEXUS	NX 2015-2017 RH	JPWLD1405R	6891079016
LEXUS	NX 2017-2019 LH	JPWLD1406L	6892079017
LEXUS	NX 2017-2019 RH	JPWLD1406R	6891079017
LEXUS	RX 2016-2019 LH (VIN starts with J, JTJB) Made in Japan	JPWLD1407L	6892048031
LEXUS	RX 2016-2019 RH (VIN starts with J, JTJB) Made in Japan	JPWLD1407R	6891048071
LINCON	LYNK&CO 01	JPWLD5301	8891181673
LINCON	LYNK&CO 05	JPWLD5302	8888542306
MASERATI	LEVANTE 2017- LH	JPWLD5401L	670109048
MASERATI	LEVANTE 2017- RH	JPWLD5401R	670109047

# ELECTRIC



BRAND	MODEL	REF.	OE NO.
MERCEDES BENZ	GL GLS (X166) 2013-2019 LH	JPWLYQ53357	A1669803764
MERCEDES BENZ	GL GLS (X166) 2013-2019 RH	JPWLD2605	A1668900100
MERCEDES BENZ	GLA (X156)2013-2020 LH	JPWLD2607	A1568900230
MERCEDES BENZ	GLA (X156)2013-2020 RH	JPWLYQ54195	A1569800764
MERCEDES BENZ	GLE C292 2015-2018 LH	JPWLD2606L	A2928900300
MERCEDES BENZ	GLE C292 2015-2018 RH	JPWLD2606R	A2928900400
MERCEDES BENZ	W164 2007-2012 LH	JPWLYQ51591L	1647400345
MERCEDES BENZ	W164 2007-2012 RH	JPWLYQ51591R	1647400445
MERCEDES BENZ	W166 2013-2015 RH	JPWLD2603	1668901130
MERCEDES BENZ	W166 2013-2015 LH	JPWLYQ47198	1669802164
MERCEDES BENZ	W251, V251 2006-2019 RH	JPWLYQ51634	2519801064
MERCEDES BENZ	X164 2007-2012 LH	JPWLYQ51697L	1647400545
MERCEDES BENZ	X164 2007-2012 RH	JPWLYQ51698R	1647400645
NISSAN	Murano 2015-2020 LH	JPWLD4804L	905615AA1A
NISSAN	Murano 2015-2020 RH	JPWLD4804R	905605AA1A
NISSAN	Pathfinder 2017-2019 LH/RH	JPWLD4805	905609PJ0A
NISSAN	ROGUE 2014-2019 LH/RH	JPWLD4806	905614BA4A
PORSCHE	CAYENNE 2011-2014 LH/RH	JPWLD3903	95851285104
PORSCHE	CAYENNE 2015-2017 LH/RH	JPWLD3902	95851285107
PORSCHE	CAYENNE 2018 LH/RH	JPWLD3906	9Y0827851A
PORSCHE	MACAN 2014-2017 LH/RH	JPWLD3904	95B827851B
PORSCHE	PANAMERA 2009-2016 LH/RH	JPWLD3901	97051257312
PORSCHE	"PANAMERA 2017-2020		
RANGE ROVER	Discovery 5 2017-2019 LH/RH	JPWLD4009	LR083139
RANGE ROVER	DISCOVERY SPORT 2014-2017 LH/RH	JPWLD4005	LR075420
RANGE ROVER	EVOQUE 2011-2019 LH/RH	JPWLD4001	LR061667
RANGE ROVER	EVOQUE 2020- LH/RH	JPWLD4010	LR114632
RANGE ROVER	SPORT 2010-2013 LH/RH	JPWLD4002	LR051443-01

# ELECTRIC




BRAND	MODEL	REF.	OE NO.
RANGE ROVER	SPORT 2014-2020 LH/ RH	JPWLD4003	LR044161
RANGE ROVER	VELAR 2017- LH/RH	JPWLD4011	LR126176
RANGE ROVER	VOGUE 2012-2016 LH/ RH	JPWLD4004	LR058305
RANGE ROVER	VOGUE 2013-2017(lower tailgate)	JPWLD4008	LR058306
ROEWE	MARVEL X LH/RH	JPWLD1004	10331292
ROEWE	RX5 LH	JPWLD1003	10470513
ROEWE	RX5 RH	JPWLYQ53434	10248276
ROEWE	RX8 LH	JPWLD1002	10366143
ROEWE	RX8 RH	JPWLYQ53433	10366144
SKODA	OctaviaIII COMBI (5E) 2012-2020 LH	JPWLD5104L	5E9827851F
SKODA	OctaviaIII COMBI (5E) 2012-2020 RH	JPWLD5104R	5E9827852F
SKODA	SuperB II gen.combi 2010-2015 LH	JPWLD5101L	3T9827851C
SKODA	SuperB II gen.combi 2010-2015 RH	JPWLD5101R	3T9827852C
SKODA	SuperB III gen combi 2015-2020 LH	JPWLD5102L	3V9827851B
SKODA	SuperB III gen combi 2015-2020 RH	JPWLD5102R	3V9827852B
SKODA	SuperB III gen liftback 2016-2020 LH/RH	JPWLD5103	3V0827851A
Tesla	Model S	JPWLD1701	600661000B
TOYOTA	Highlander 2014-2019 LH	JPWLD3304L	6891009130
TOYOTA	Highlander 2014-2019 RH	JPWLD3304R	6891009120
TOYOTA	RAV4 2013-2018 LH	JPWLD3305L	6892009010
TOYOTA	RAV4 2013-2018RH	JPWLD3305R	6891009010
TOYOTA	RAV4 2019- LH	JPWLD3303L	6892042020
TOYOTA	RAV4 2019- RH	JPWLD3303R	6891042060
TRUMPCHI	GM8	JPWLD2504	5840006AMV0000
TRUMPCHI	GS8	JPWLD2503	5840006CAD000
VOLKSWAGEN	Passat B8 combi 2014- 2020 LH/RH	JPWLD1308	3G9827851C
VOLKSWAGEN	Sharan 2010-2019 LH/RH	JPWLD1304	7N0827851E
VOLKSWAGEN	Teramont 2017- LH/RH	JPWLD1305	3CN827851905
VOLKSWAGEN	Tiguan L 2016-2019 LH/ RH	JPWLD1302	5NA827851A


# ELECTRIC




BRAND	MODEL	REF.	OE NO.
VOLKSWAGEN	TOUAREG 7P 2010-2018 LH/RH	JPWLD1303	7P6827851D
VOLKSWAGEN	Touran L 2015-2021 LH/ RH	JPWLD1309	5TA827851C
VOLVO	V90 2017-2019 LH	JPWLD4104L	31385256
VOLVO	V90 2017-2019 RH	JPWLD4104R	31385257
VOLVO	XC60 2012-2015 LH	JPWLD4101L	31386705
VOLVO	XC60 2012-2015 RH	JPWLD4101R	31386706
VOLVO	XC60 2019-2020 LH/RH	JPWLD4105	32136006
VOLVO	XC60 ASIA PACIFIC EDI- TION 2015-2017 LH/RH	JPWLD4103	31457566
VOLVO	XC90 2015-2020 LH/RH	JPWLYQ54283	31420214
VOLVO	XC90 2016-2019 LH/RH	JPWLD4102	31457610



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# GAS SPRING

