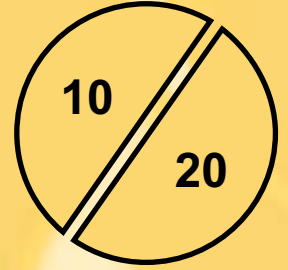




Quality products for Mechanical
& Fluid Power



RUPEX[®] PIN & BUSH COUPLINGS



N-EUPEX[®], RUPEX[®] and N-BIPEX[®]
Flexible Couplings

Flexible Flender couplings have a wide range of possible applications. A broad standard modular system as well as specially designed application specific couplings are available.



N-EUPEX
 cam couplings
 Rated torque: 19 Nm ... 85,000 Nm



RUPEX
 pin-and-bush couplings
 Rated torque: 200 Nm ... 1,300,000 Nm



N-BIPEX
 cam couplings
 Rated torque: 12 Nm ... 1,300 Nm

ELPEX[®], ELPEX-B[®] and ELPEX-S[®]
Highly Flexible Couplings

ELPEX[®] couplings are free of circumferential back-lash. Their damping capacity and low torsional stiffness make them especially well-suited for coupling machines with widely variable torque characteristics or large shaft misalignment.



ELPEX
 elastic ring couplings
 Rated torque: 1,600 Nm ... 90,000 Nm



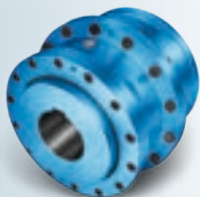
ELPEX-B
 elastic tire couplings
 Rated torque: 24 Nm ... 14,500 Nm



ELPEX-S
 rubber disk couplings
 Rated torque: 330 Nm ... 63,000 Nm

ZAPEX[®] gear couplings and ARPEX[®] all-steel couplings
Torsionally Rigid Couplings

For transmission of high torques, we offer both ARPEX all-steel disc couplings and ZAPEX gear couplings in a range of versions. The applications vary according to specific requirements, with respect to shaft misalignment, temperature and torque.



ZAPEX
 gear couplings
 Rated torque: 1,300 Nm ... 7,200,000 Nm



ARPEX
 high performance disc couplings
 Rated torque: 1,000 Nm ... 80,000 Nm



N-ARPEX and ARPEX
 all-steel disc couplings
 Rated torque: 92 Nm ... 2,000,000 Nm

BIPEX-S[®] and SIPEX[®]
Backlash-Free Couplings

The vibration-damping, electrically insulating plug-in BIPEX-S elastomer couplings and SIPEX metal bellows couplings deliver especially accurate component positioning.



BIPEX-S and SIPEX
 Rated torque: 0.1 Nm ... 5,000 Nm





FLUDEX® couplings are hydrodynamic fluid couplings which operate on the Fottinger principle.

FLUDEX® couplings limit starting and maximum torque in the drive train and, through the property of rotational slip, serve as an aid to starting the motor, as overload protection in the event of fault and for isolating torsional vibration. To compensate for shaft misalignment, the FLUDEX® coupling is combined with a displacement coupling e.g. of the N-EUPEX® type.

#FLUDEX

Railway Couplings

Couplings for rail vehicles developed, tested and produced for reliability and safety.



ZBG series [read info ...](#)



LBK series [read info ...](#)



GKG series [read info ...](#)



MBG series [read info ...](#)



MBG-ISO series [read info ...](#)



ARS series [read info ...](#)

Couplings designed for partially and fully suspended drives which can be mounted between motor and gear unit or gear unit and wheel-set shaft. Designed and tested to withstand the high forces created by axle loads of up to 32 t, motor speeds of over 6,000 rpm and driving speeds of more than 400 km/h. All models tested under extreme conditions to guarantee maximum reliability. A broad range of products in all necessary sizes and designs as standard.

FLENDER Railway Couplings offer:

- » High quality.
- » 100% component traceability.
- » Great depth within an extensive product range.
- » Component compatibility with Flender gear units for rail vehicles.
- » Low maintenance costs and a high level of serviceability.

#railway-couplings



Mechanical Power Transmission Couplings **Fitting Recommendations**

jbj **FLENDER**

Parallel Key Connections to Din 6885-1

The following fitting conditions for the shaft-hub connection, fit or recommendation for shaft-hub connection conditions in the key, including tolerances, fit and tolerances for the shaft-hub connection, the shaft and the hub, the shaft-hub connection and the shaft-hub connection.

Shaft diameter	Key width	Key height	Key length	Key depth	Key fit	Hub fit	Key fit	Key fit	Key fit
10	10	10	10	10	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
12	12	12	12	12	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
14	14	14	14	14	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
16	16	16	16	16	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
18	18	18	18	18	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
20	20	20	20	20	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
22	22	22	22	22	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
24	24	24	24	24	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
26	26	26	26	26	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
28	28	28	28	28	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
30	30	30	30	30	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
32	32	32	32	32	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
35	35	35	35	35	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
38	38	38	38	38	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
40	40	40	40	40	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
42	42	42	42	42	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
45	45	45	45	45	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
48	48	48	48	48	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
50	50	50	50	50	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
55	55	55	55	55	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
60	60	60	60	60	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
65	65	65	65	65	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
70	70	70	70	70	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
75	75	75	75	75	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
80	80	80	80	80	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
85	85	85	85	85	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
90	90	90	90	90	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
95	95	95	95	95	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9
100	100	100	100	100	H7/k9	H7/k9	H7/k9	H7/k9	H7/k9

Mechanical Power Transmission Couplings **Technical Information**

jbj **FLENDER**

Standards

Formula symbols

Key to the fitting symbols

Symbol	Meaning	Symbol	Meaning
...

Mechanical Power Transmission Couplings **Technical Information**

jbj **FLENDER**

Key to symbols

Symbol	Meaning	Symbol	Meaning
...

Selection of the Coupling Series

The coupling series is primarily determined by the drive motor or engine. Common selection criteria are:

- Torque capacity
- Shaft diameter
- Shaft length
- Shaft material
- Shaft misalignment
- Shaft speed
- Shaft temperature
- Shaft vibration
- Shaft environment
- Shaft safety

Mechanical Power Transmission Couplings **Technical Information**

jbj **FLENDER**

Typical coupling solutions for different example applications

The application is primarily determined by the drive motor or engine. Common selection criteria are:

- Torque capacity
- Shaft diameter
- Shaft length
- Shaft material
- Shaft misalignment
- Shaft speed
- Shaft temperature
- Shaft vibration
- Shaft environment
- Shaft safety

Application	Coupling Series	Application	Coupling Series
...

See the FLENDER COUPLINGS INTRODUCTION for:

- » Shaft coupling types.
- » Shaft misalignment.
- » Balancing.
- » Shaft hub connections.
- » Key to symbols & selection of coupling series.
- » Typical coupling solutions for different applications.
- » Selection of coupling size.
- » Checking shaft hub connection & environmental conditions.
- » Fitting recommendations including DIN ISO 286 details.
- » Cylindrical shaft ends, extract from DIN 748 Part 1 (long) & central holes according to DIN 332 Part 2.
- » Parallel Key Connections to Din 6885-1.

#couplings-technical-info



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TORSIONALLY FLEXIBLE COUPLINGS	<i>Page</i>
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Rupex Type RWS Technical Specifications	8 - 9
Rupex Type RFN Technical Specifications	10 - 11
Rupex Type RFS Technical Specifications	12 - 13
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Rupex Type RBS Technical Specifications (with brake drum)	19
Rupex Spare & Wear Parts	20
<i>#DriveLineHarmony</i>	22 - 23



FLENDER **Flender**
9,544 followers
1w •

<https://lnkd.in/eArCCRi>

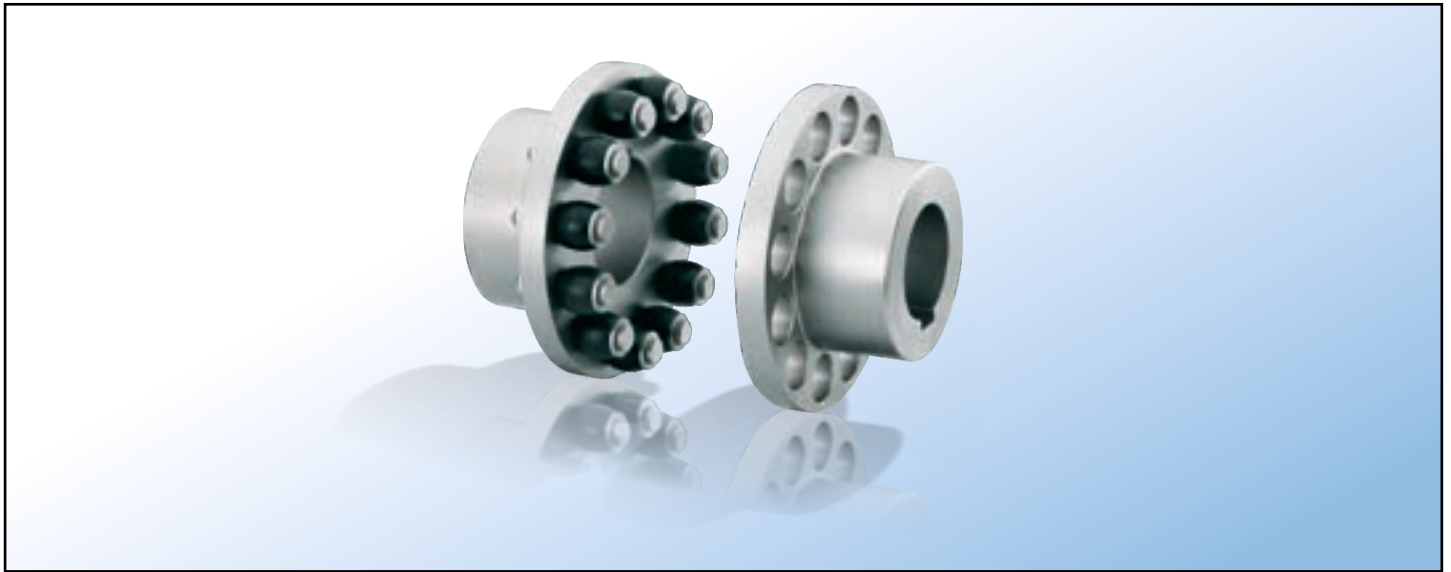
New distribution partnership in the UK: We have now partnered with **jbj Techniques Limited** as the official partner for our whole couplings range in the United Kingdom and kicked off our cooperation by a digital signing of the partnership contract. JBJ has a wealth of experience in established and niche applications, such examples are: Mechanical drives for subsea wave energy, steel works crucible handling equipment or marine winch drives. We are happy to have them on our side for our UK coupling customers, especially for the supply of the recently optimized N-EUPEX!

Get to know the industry benchmark in couplings and reach out to **Mat Jackson**, Product Manager Couplings at Flender UK, and **Mike Davis**, Managing Director at JBJ for further queries.

Learn more about our couplings range here: <https://lnkd.in/dAir-av>




#flender #couplings #neupex #newpartnership #cooperation #WeMoveTheWorld





Coupling suitable for use in potentially explosive atmospheres.

Complies with the current ATEX Directive for:

- CE  II 2G Ex h IIC T6 ... T4 Gb X
-  II 2D Ex h III C T85 °C ... 110 °C Db X
-  IM2 Ex h Mb X

RUPEX[®] pin and bush couplings link machine shafts and compensate for shaft misalignment with weak restorative forces. The torque is conducted through elastomer elements, so the coupling has typically flexible rubber properties. Thanks to their robust design, RUPEX[®] couplings are also suitable for harsh operating conditions.

Benefits

RUPEX[®] couplings can also hold loads when overloaded and are therefore especially suitable for drives for special safety and reliability requirements. Torque shock loads and changing loads are no problem for robust, compact flexible RUPEX[®] couplings. The steel variant is especially suitable for high-speed drives. RUPEX[®] couplings are fitted by putting together the coupling halves. Fitting with low torsional backlash is simplified by the barrel-shaped geometry of the buffers. RUPEX[®] couplings require little maintenance. Only the elastomer elements, as wear parts, need be replaced and the coupled machines do not need to be moved to do so. RUPEX[®] couplings are suitable for reversing operation and horizontal and vertical fitting or fitting at any required angle.

Application

RUPEX[®] couplings are available as a catalogue standard in 26 sizes with a rated torque of between 200 Nm and 1,300,000 Nm. The coupling is suitable for use at ambient temperatures of between -30°C and +80°C. By using alternative elastomer elements, the permissible ambient temperature range can be extended to between -50°C and +100°C. Frequently, the coupling is used to connect the gear shaft to the driven machine. In the case of drives without gear units, the coupling is particularly suitable for operation in harsh conditions or heavy-duty drives with electric motor drive. Ventilator drives with high ventilator mass and drives in the cement industry are typical applications. Examples of particularly safety-relevant areas of application are cable railway drives, lifting gear for crane drives or escalator drives.

Design and Configurations

A RUPEX[®] coupling comprises two hub sections which are mounted on the machine shafts. The hub parts are connected positively by steel pins and elastomer elements. The coupling can be fitted with add-on parts such as brake disks or brake drums. Up to size 360, the pins and buffers are fitted on one side. From size 400 up, the pins and buffers are fitted in the hubs on alternate sides.



Materials

- » Hubs: Types RWN and RWB made of grey cast iron EN-GJL-250.
Types RWS and RBS made of steel.
- » Flange: Types RFN, RFS made of steel.
- » Pins: Material steel 42CrMo4, surface fine-machined.
- » Brake disks: Type RWB made of EN-GJS-400 spheroidal graphite cast iron.
Type RBS made of steel.
- » Brake drums: Type RWB made of EN-GJL-250 grey cast iron.
Type RBS made of steel.

Buffer material

Material/description	Hardness	Marking	Ambient temperature
NBR standard type	80 ShoreA	Element black	-30 °C ... +80 °C
NBR electrically insulating	80 ShoreA	Element green	-30 °C ... +80 °C
NBR soft	65 ShoreA	Element black with green dot	-30 °C ... +80 °C
NBR hard	90 ShoreA	Element black with magenta dot	-30 °C ... +80 °C
NR for low temperature	80 ShoreA	Element black with white dot	-50 °C ... +50 °C
HNBR high temperature	80 ShoreA	Element black with red dot	-10 °C ... +100 °C

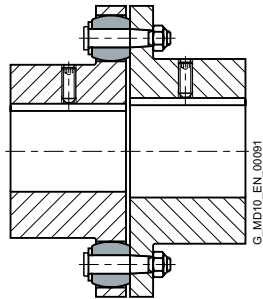
RUPEX pin and bush coupling types

Type	Description
RWN	Coupling made of grey cast iron
RWS	Coupling made of steel
RWB	Coupling made of grey cast iron with brake drum or brake disk
RBS	Coupling made of steel with brake drum or brake disk
RFN	Coupling made of grey cast iron in flange-shaft variant
RFS	Coupling made of steel in flange-shaft variant

RUPEX pin and bush coupling types on request

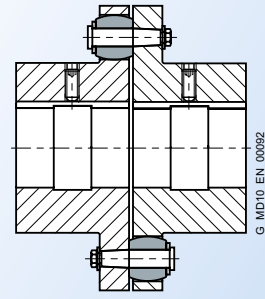
Type	Description
All	Coupling with axial backlash limitation
	Coupling with pretensioned elements
	Coupling with lengthened pins and spacer sleeves
RKS	Coupling for engaging/disengaging during standstill
RWNH, RWSH	Coupling with extension piece
RBM	Coupling with lengthened pins for sliding rotor motors
RAK	Coupling combination RUPEX with ARPEX all-steel membrane coupling

Further application-related coupling types are available.
Dimension sheets for and information on these are available on request.



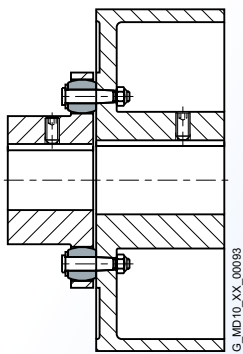
up to size 360

Types RWN/RWS – One-sided arrangement of pins and buffers

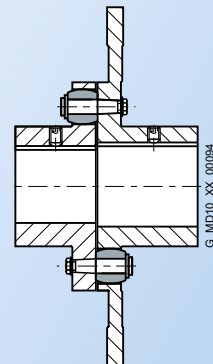


from size 400

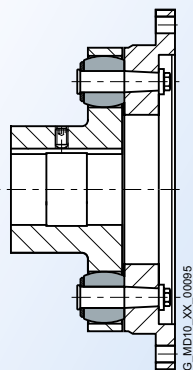
Types RWN/RWS – Alternate-sided arrangement of pins and buffers



Types RWB/RBS with brake drum



Types RWB/RBS with brake disk



Types RFN, RFS



Function

The motor torque is transmitted to the hub on the drive side via the shaft-hub connection, which is mostly designed as a keyway connection. With the aid of elastomer elements mounted on steel pins, the torque is conducted to the hub on the output side. The hub on the output side further transmits the torque to the driven machine or a gear unit located in between. Because of the primarily compression-loaded elements, the coupling has a progressive torsional stiffness.

Technical specifications

Size	Power Ratings								
	Rated Torque for Buffer Type			Torsional Stiffness at 50% Capacity Utilization for Buffer Type			Assembly Gap Dimension ΔS mm	Permitted Shaft Misalignment at $n = 1500\text{rpm}^1$	
	65 ShoreA	80 ShoreA	90 ShoreA	65 ShoreA	80 ShoreA	90 ShoreA		Radial ΔK_r mm	Angle ΔK_w Degree
T_{KN} Nm	T_{KN} Nm	T_{KN} Nm	$C_{Tdyn 50\%}$ kNm/rad	$C_{Tdyn 50\%}$ kNm/rad	$C_{Tdyn 50\%}$ kNm/rad				
105	120	200	200	5	13	21	1	0.21	0.12
125	210	350	350	9	25	37	1	0.23	0.11
144	300	500	500	15	43	64	1	0.25	0.1
162	450	750	750	20	55	83	1.5	0.27	0.1
178	570	950	950	31	85	130	1.5	0.29	0.09
198	780	1300	1300	43	123	187	1.5	0.3	0.09
228	1300	2200	2200	65	184	270	1.5	0.34	0.09
252	1650	2750	2750	92	256	380	1.5	0.36	0.08
285	2600	4300	4300	141	390	560	1.5	0.4	0.08
320	3300	5500	5500	195	540	790	1.5	0.43	0.08
360	4700	7800	7800	276	610	940	1.5	0.48	0.08
400	7500	12500	12500	410	1130	1710	1.5	0.52	0.07
450	11000	18500	18500	570	1600	2380	1.5	0.57	0.07
500	15000	25000	25000	860	2350	3600	1.5	0.62	0.07
560	23500	39000	39000	1130	3070	4700	2	0.68	0.07
630	31000	52000	52000	1640	4600	7400	2	0.75	0.07
710	50000	84000	84000	2560	7200	10900	2	0.84	0.07
800	66000	110000	110000	3900	10700	16700	2	0.93	0.07
900	90000	150000	150000	5200	14300	22500	2.5	1.03	0.07
1000	115000	195000	195000	7700	21300	33000	2.5	1.14	0.07
1120	160000	270000	270000	9800	27300	44000	2.5	1.26	0.06
1250	205000	345000	345000	14000	39000	62000	2.5	1.39	0.06
1400	320000	530000	530000	22800	62000	97000	3	1.55	0.06
1600	450000	750000	750000	37000	103000	160000	3	1.76	0.06
1800	585000	975000	975000	48000	133000	208000	4	1.96	0.06
2000	780000	1300000	1300000	73000	201000	314000	4	2.17	0.06

For maximum coupling torque:

$$T_{Kmax} = 3,0 \cdot T_{KN}$$

For overload torque:

$$T_{KOL} = 4 \cdot T_{KN}$$

For coupling fatigue torque:

$$T_{KW} = 0,20 \cdot T_{KN}$$

Note

For fitting, the maximum gap dimension of $S_{max} = S + \Delta S$ and the minimum gap dimension of $S_{min} = S - \Delta S$ are permitted.

¹⁾ The maximum speed for the respective type must be noted.

For additional information on the allowable shaft misalignment, please refer to the operating instructions.



Torsional Stiffness and Damping

The values stated in the previous table on page 4 apply to a capacity utilization of 50 %, an excitation amplitude of 10 % TKN with the frequency 10 Hz and an ambient temperature of 20 °C. The dynamic torsional stiffness is load-dependent and increases in proportion to capacity utilization. The following table shows the correction factors for different rated loads.

$$C_{Tdyn} = CT_{dyn} 50\% \cdot FKC$$

	Load TN / TKN							
	20%	40%	50%	60%	70%	80%	90%	100%
Correction factor FKC 65/80/90 ShoreA	0.51	0.83	1	1.18	1.38	1.58	1.8	2.03

The damping coefficient is $\Psi = 1.4$

Torsional stiffness and damping is further dependent on the ambient temperature and the frequency and amplitude of the torsional vibration excitation. More precise torsional stiffness and damping parameters on request.

With flexible couplings the manufacturing process of the rubber elements and their aging primarily influence the stiffness value CT_{dyn} . For this reason calculation must be made with a tolerance for the dynamic stiffness of $\pm 20\%$. The specified damping coefficient Ψ is a minimum value with the result that the damping performance of the coupling corresponds at least to the specified value.

Permitted shaft misalignment

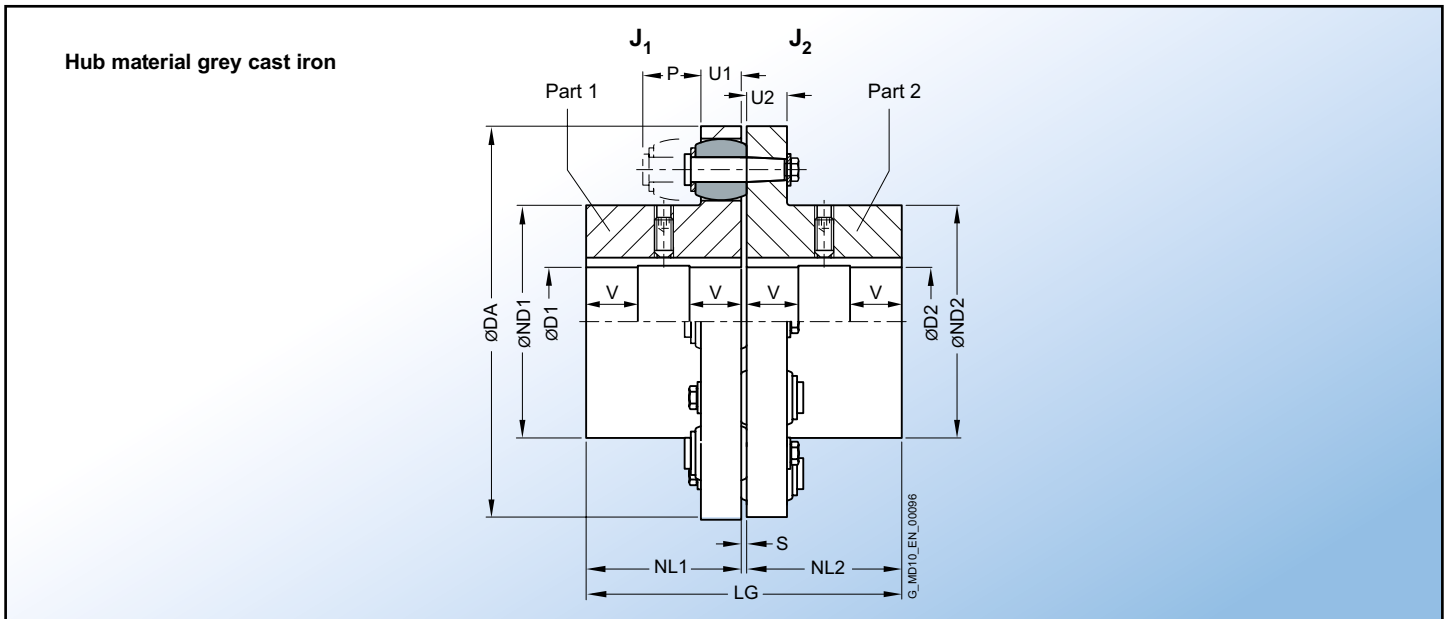
The permitted shaft misalignment depends on the operating speed. As the speed increases, lower shaft misalignment values are permitted. The correction factors for different speeds are specified in the following table. The maximum speed for the respective coupling size and type must be noted!

$$\Delta K_{perm} = \Delta K_{1500} \cdot FKV$$

	Speed in rpm			
	500	1000	1500	3000
Correction factor FKV	170	120	100	70

For fitting, the maximum gap dimension of $S_{max.} = S + \Delta S$ and the minimum gap dimension of $S_{min.} = S - \Delta S$ are permitted.

Shaft misalignments ΔK_r and ΔK_w may occur simultaneously.



Size	Rated Torque Buffer 80 ShoreA T_{KN} (Nm)	Speed n_{Kmax} (rpm)	Dimensions (mm)													Mass Moment of Inertia		Part Number ¹⁾	Weight m (kg)	
			Bore, keyway to DIN 6885				DA	ND1	ND2	NL1/ NL2	S	U1	U2	P	LG	J_1 kgm ²	J_2 kgm ²			
			D1		D2															
			min	max	min	max														
105 ²⁾	200	7000	-	32	-	38	105	53	59	45	3	13	12	30	93	0.001	0.001	2LC0130-1AA	1.9	
125 ²⁾	350	6000	-	40	-	48	125	65	68	50	3	16	15	35	103	0.003	0.003	2LC0130-2AA	3.2	
144	500	5250	-	45	-	55	144	76	84	55	3	16	15	35	113	0.004	0.006	2LC0130-3AA	4.5	
162	750	4650	-	50	-	60	162	85	92	60	3.5	20	18	40	123.5	0.007	0.013	2LC0130-4AA	6.7	
178	950	4200	-	60	-	70	178	102	108	70	3.5	20	18	40	143.5	0.014	0.022	2LC0130-5AA	9.7	
198	1300	3750	-	70	-	80	198	120	128	80	3.5	20	18	40	163.5	0.022	0.03	2LC0130-6AA	12.9	
228	2200	3300	-	80	-	90	228	129	140	90	3.5	26	24	50	183.5	0.038	0.071	2LC0130-7AA	19	
252	2750	3000	-	90	-	100	252	150	160	100	3.5	26	24	50	203.5	0.07	0.12	2LC0130-8AA	26.3	
285	4300	2650	48	100	48	110	285	164	175	110	4.5	32	30	60	224.5	0.13	0.22	2LC0131-0AA	39	
320	5500	2350	55	110	55	120	320	180	192	125	4.5	32	30	60	254.5	0.23	0.3	2LC0131-1AA	53	
360	7800	2100	65	120	65	130	360	200	210	140	4.5	42	42	75	284.5	0.41	0.7	2LC0131-2AA	78	
400	12500	2050	75	140	75	140	400	230	230	160	4.5	42	42	75	324.5	0.87	0.87	2LC0131-3AA	105	
450	18500	1800	85	160	85	160	450	260	260	180	5.5	52	52	90	365.5	1.7	1.7	2LC0131-4AA	156	
500	25000	1600	95	180	95	180	500	290	290	200	5.5	52	52	90	405.5	2.8	2.8	2LC0131-5AA	200	
560	39000	1450	100	140	100	140	560	250	250	220	6	68	68	120	446	4.6	4.6	2LC0131-6AA	280	
			140	180	140	180		300	300							5	5			290
			180	200	180	200		320	320							5.1	5.1			295
630	52000	1280	100	140	100	140	630	250	250	240	6	68	68	120	486	7.2	7.2	2LC0131-7AA	345	
			140	180	140	180		300	300							7.7	7.7			370
			180	220	180	220		355	355							8.4	8.4			400
710	84000	1150	110	160	110	160	710	290	290	260	7	80	80	140	527	13	13	2LC0131-8AA	510	
			160	200	160	200		330	330							14	14			515
			200	240	200	240		385	385							15	15			540



Size	Rated Torque Buffer 80 ShoreA	Speed	Dimensions (mm)													Mass Moment of Inertia		Part Number ¹⁾	Weight
			Bore, keyway to DIN 6885				DA	ND1	ND2	NL1/ NL2	S	U1	U2	P	LG	J ₁ kgm ²	J ₂ kgm ²		
			D1		D2														
			min	max	min	max													
800	110000	1000	125	180	125	180	800	320	320	290	7	80	80	140	587	22	22	2LC0132-0AA	670
			180	220	180	220		360	360							23	23		690
			220	260	220	260		420	420							24.5	24.5		730
900	150000	900	140	220	140	220	900	360	360	320	7.5	90	90	160	647.5	39	39	2LC0132-1AA	940
			220	260	220	260		425	425							41	41		960
			260	290	260	290		465	465							43	43		1030
1000	195000	810	150	240	150	240	1000	395	395	350	7.5	90	90	160	707.5	60	60	2LC0132-2AA	1200
			240	280	240	280		460	460							63	63		1250
			280	320	280	320		515	515							68	68		1310
1120	270000	700	160	200	160	200	1120	360	360	380	8.5	100	100	180	768.5	98	98	2LC0132-3AA	1470
			200	250	200	250		410	410							100	100		1510
			250	300	250	300		495	495							105	105		1600
			300	350	300	350		560	560							110	110		1690
1250	345000	650	180	230	180	230	1250	410	410	420	8.5	100	100	180	848.5	150	150	2LC0132-4AA	1850
			230	280	230	280		460	460							155	155		1900
			280	330	280	330		540	540							165	165		2025
			330	380	330	380		610	610							175	175		2210
1400	530000	570	200	260	200	260	1400	465	465	480	9	120	120	210	969	290	290	2LC0132-5AA	2820
			260	320	260	320		525	525							300	300		2900
			320	380	320	380		620	620							310	310		3180
			380	440	380	440		700	700							330	330		3260
1600	750000	500	260	320	260	320	1600	565	565	540	9	120	120	210	1089	490	490	2LC0132-6AA	3780
			320	380	320	380		625	625							500	500		3870
			380	440	380	440		720	720							530	530		4150
			440	480	440	480		770	770							550	550		4290
1800	975000	450	320	380	320	380	1800	660	660	600	12	140	140	240	1212	850	850	2LC0132-7AA	5550
			380	440	380	440		720	720							930	930		5630
			440	500	440	500		820	820							980	980		6000
			500	540	500	540		870	870							1050	1050		6250
2000	1300000	400	380	440	380	440	2000	760	760	660	12	140	140	240	1332	1350	1350	2LC0132-8AA	6800
			440	500	440	500		820	820							1400	1400		7000
			500	560	500	560		920	920							1500	1500		7350
			560	600	560	600		960	960							1550	1550		7620

Configurable variants¹⁾

- » ØD1 Without finished bore.
- » ØD2 Without finished bore.
- With finished bore.
- With finished bore.

Notes

- » From size 560 bores D1 and D2 are each provided with a recess of D = +1 mm halfway along the hub. V ≈ 1/3 NL
- » The hub diameter of the component part is assigned according to the diameter of the finished bore.
Where bore diameters overlap, the component with the smaller hub diameter is always selected.
- » Weight and mass moments of inertia apply to maximum bore diameters.
- » The product codes apply to standard elements of NBR material in the 80 ShoreA variant; the article number for alternative element types is available on request.

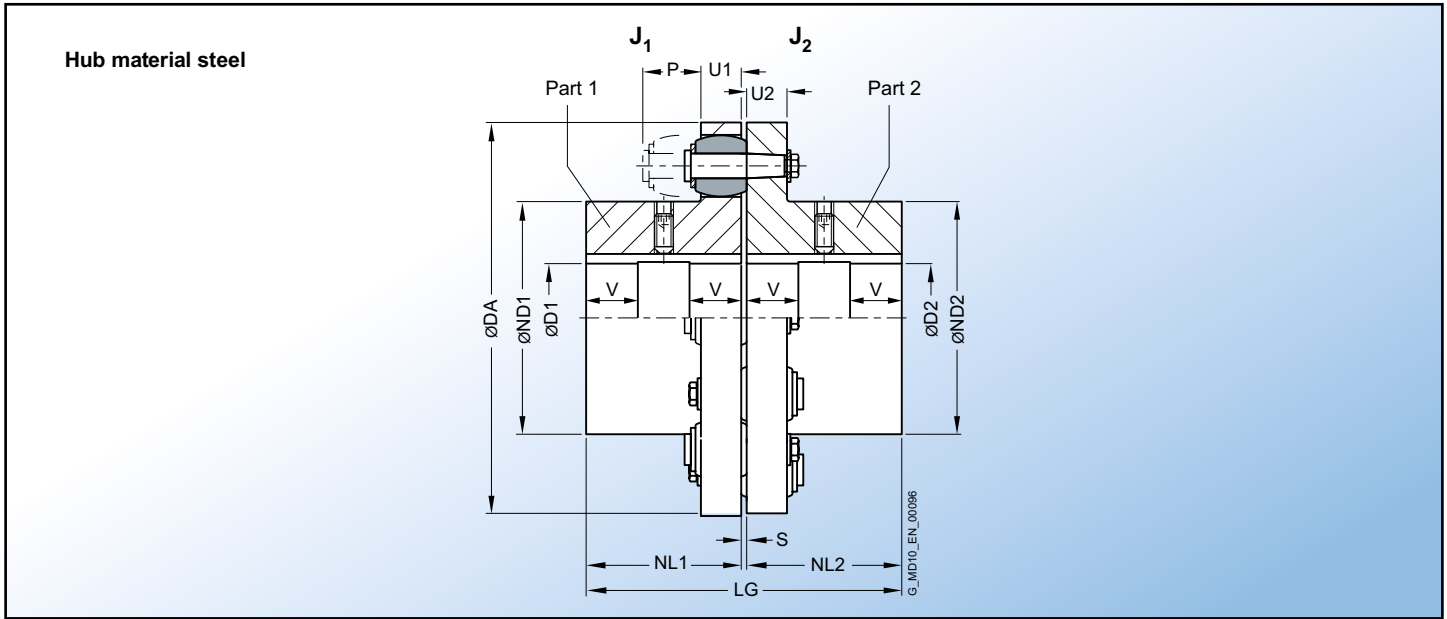
Ordering example

- » RUPEX RWN coupling, size 710
- » Part 1: Hub left with bore 180H7 mm, with keyway to DIN 6885 and set screw
- » Part 2: Hub right with bore 200H7 mm, with keyway to DIN 6885 and set screw.

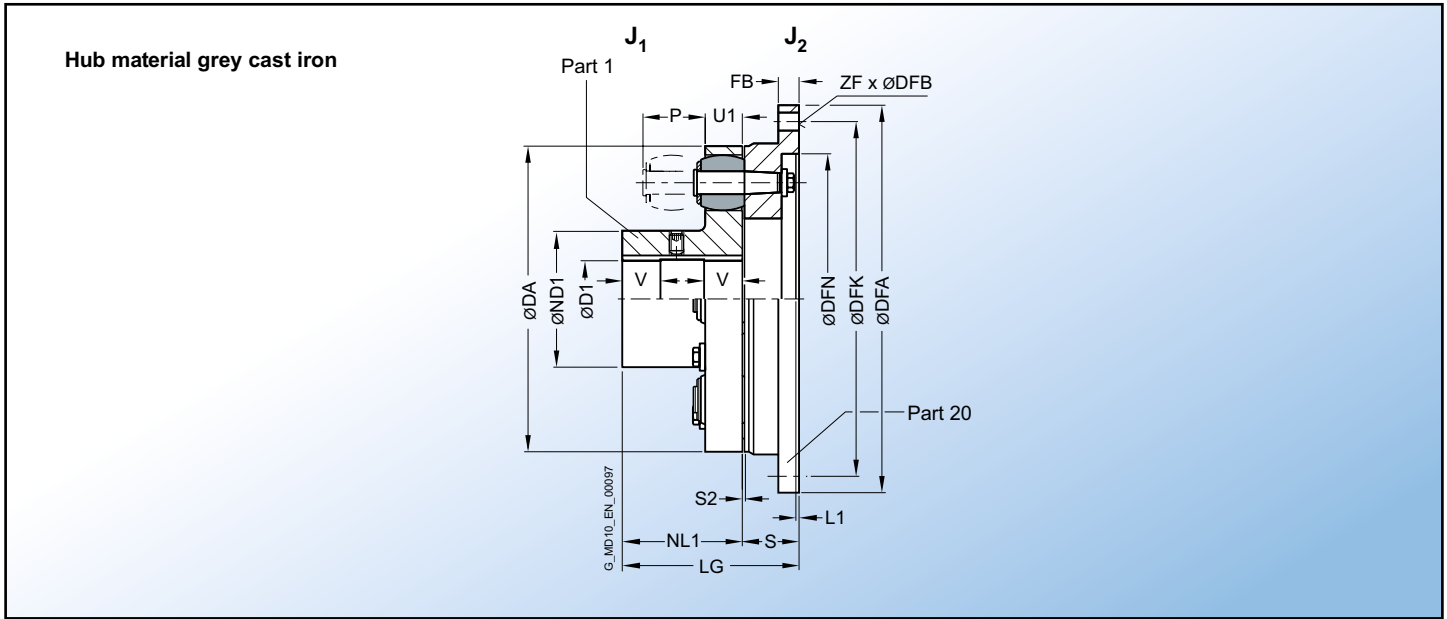
Ordering Code: 2LC0131-8AA99-0AA0-ZL2B+M2D

¹⁾To identify complete item numbers specifying the available finish boring options and further order options, please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk

²⁾Hub material spheroidal graphite iron EN-GJS 400.



Size	Rated Torque Buffer 80 ShoreA	Speed	Dimensions (mm)													Mass Moment of Inertia		Part Number ¹⁾	Weight
			Bore, keyway to DIN 6885				DA	ND1	ND2	NL1/ NL2	S	U1	U2	P	LG				
			D1		D2														
			min	max	min	max										J ₁ kgm ²	J ₂ kgm ²		
105	200	10000	-	32	-	38	105	53	59	45	3	13	12	30	93	0.001	0.001	2LC0130-1AB	1.9
125	350	9000	-	42	-	48	125	65	68	50	3	16	15	35	103	0.003	0.003	2LC0130-2AB	3.2
144	500	7800	-	50	-	60	144	76	84	55	3	16	15	35	113	0.004	0.006	2LC0130-3AB	4.5
162	750	6900	-	55	-	65	162	85	92	60	3.5	20	18	40	123.5	0.007	0.013	2LC0130-4AB	6.7
178	950	6300	-	70	-	75	178	102	108	70	3.5	20	18	40	143.5	0.014	0.022	2LC0130-5AB	9.7
198	1300	5600	-	80	-	85	198	120	128	80	3.5	20	18	40	163.5	0.022	0.030	2LC0130-6AB	12.9
228	2200	4900	-	85	-	95	228	129	140	90	3.5	26	24	50	183.5	0.038	0.071	2LC0130-7AB	19
252	2750	4400	-	100	-	110	252	150	160	100	3.5	26	24	50	203.5	0.07	0.12	2LC0130-8AB	26.3
285	4300	3900	-	110	-	120	285	164	175	110	4.5	32	30	60	224.5	0.13	0.21	2LC0131-0AB	39
320	5500	3500	55	125	55	130	320	180	192	125	4.5	32	30	60	254.5	0.23	0.32	2LC0131-1AB	53
360	7800	3100	65	135	65	140	360	200	210	140	4.5	42	42	75	284.5	0.41	0.69	2LC0131-2AB	78
400	12500	2800	75	150	75	150	400	230	230	160	4.5	42	42	75	324.5	0.92	0.92	2LC0131-3AB	110
450	18500	2500	85	170	85	170	450	260	260	180	5.5	52	52	90	365.5	1.7	1.7	2LC0131-4AB	163
500	25000	2200	95	190	95	190	500	290	290	200	5.5	52	52	90	405.5	2.8	2.8	2LC0131-5AB	217
560	39000	2000	100	165	100	165	560	250	250	220	6	68	68	120	446	4.8	4.8	2LC0131-6AB	274
			165	200	165	200		300	300							5.2	5.2		292
			200	210	200	210		320	320							5.4	5.4		305
630	52000	1800	100	165	100	165	630	250	250	240	6	68	68	120	486	7.6	7.6	2LC0131-7AB	352
			165	200	165	200		300	300							7.9	7.9		370
			200	235	200	235		355	355							8.7	8.7		400
710	84000	1600	110	190	110	190	710	290	290	260	7	80	80	140	527	14.4	14.4	2LC0131-8AB	507
			190	220	190	220		330	330							14.6	14.6		530
			220	250	220	250		385	385							15.9	15.9		560



Size	Rated Torque Buffer 80 ShoreA T _{KN} (Nm)	Speed n _{Kmax} (rpm)	Dimensions (mm)														Mass Moment of Inertia		Part Number ¹⁾	Weight m (kg)
			Bore, keyway to DIN 6385		DA	ND1	NL1	S	LG	DFA h8	FB	DFN H7	L1	DFK	ZF	DFB	J ₁ kgm ²	J ₂ kgm ²		
			D1 min	D1 max																
105	200	7000	-	32	105	53	45	26	71	158	10	-	-	142	6	9	0.001	0.005	2LC0130-1AJ	2.3
125	350	6000	-	40	125	65	50	31	81	180	13	-	-	160	6	11	0.003	0.012	2LC0130-2AJ	4.2
144	500	5250	-	45	144	76	55	31	86	200	13	-	-	180	7	11	0.004	0.018	2LC0130-3AJ	5.0
162	750	4650	-	50	162	85	60	37.5	97.5	220	13	-	-	200	8	11	0.007	0.032	2LC0130-4AJ	7.3
178	950	4200	-	60	178	102	70	37.5	107.5	248	16	-	-	224	8	14	0.014	0.055	2LC0130-5AJ	10
198	1300	3750	-	70	198	120	80	37.5	117.5	274	16	-	-	250	8	14	0.022	0.08	2LC0130-6AJ	13
228	2200	3300	-	80	228	129	90	45.5	135.5	314	20	-	-	282	8	18	0.038	0.18	2LC0130-7AJ	20
252	2750	3000	-	90	252	150	100	45.5	145.5	344	20	-	-	312	8	18	0.07	0.26	2LC0130-8AJ	25
285	4300	2650	48	100	285	164	110	55.5	165.5	380	22	-	-	348	9	18	0.13	0.46	2LC0131-0AJ	38
320	5500	2350	55	110	320	180	125	55.5	175.5	430	25	-	-	390	9	22	0.23	0.76	2LC0131-1AJ	50
360	7800	2100	65	120	360	200	140	70.5	210.5	480	25	-	-	440	10	22	0.41	1.4	2LC0131-2AJ	76
400	12500	2050	75	140	400	230	160	74.5	234.5	520	50	380	4	480	10	22	0.87	1.8	2LC0131-3AJ	125
450	18500	1800	85	160	450	260	180	85.5	265.5	575	45	428	6	528	12	26	1.7	3.2	2LC0131-4AJ	170
500	25000	1600	95	180	500	290	200	85.5	285.5	620	45	475	6	570	12	26	2.8	4.3	2LC0131-5AJ	205



Size	Rated Torque Buffer 80 ShoreA T_{KN} (Nm)	Speed n_{Kmax} (rpm)	Dimensions (mm)														Mass Moment of Inertia		Part Number ¹⁾	Weight m (kg)	
			Bore, keyway to DIN 6885		DA	ND1	NL1	S	LG	DFA h8	FB	DFN H7	L1	DFK	ZF	DFB	J_1 kgm ²	J_2 kgm ²			
			D1																		
		min	max																		
560	39000	1450	100	140	560	250	220	106	326	700	65	532	8	650	16	26	4.6	8.2	2LC0131-6AJ	330	
			140	180		300											5			330	
			180	200		320											5.1			340	
630	52000	1280	100	140	630	250	240	106	346	785	60	602	8	725	16	33	7.2	13.8	2LC0131-7AJ	390	
			140	180		300											7.7			400	
			180	220		355											8.4			420	
710	84000	1150	110	160	710	290	260	127	387	875	80	675	10	815	18	33	13	26	2LC0131-8AJ	550	
			160	200		330											14			550	
			200	240		385											15			570	
800	110000	1000	125	180	800	320	290	127	417	1000	70	765	10	930	16	39	22	45	2LC0131-9AJ	680	
			180	220		360											23			690	
			220	260		420											24.5			710	

Configurable variants¹⁾

- » ØD1 Without finished bore.
With finished bore.

Notes

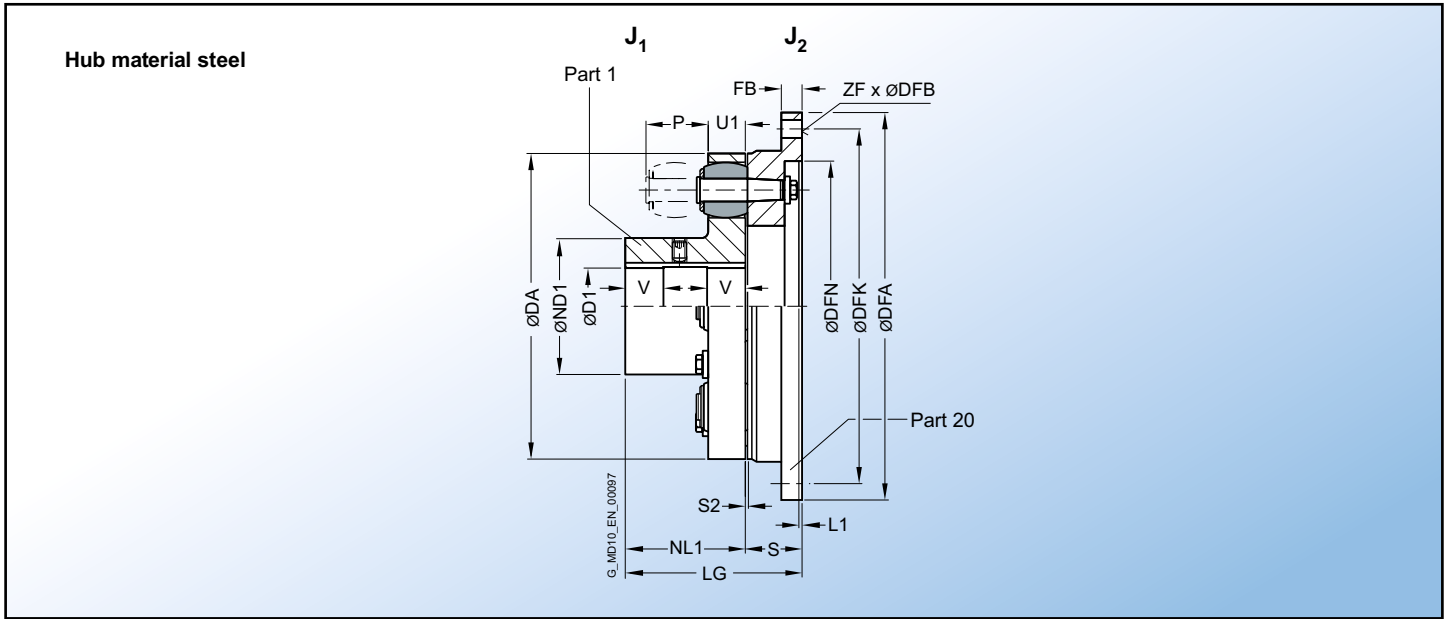
- » For dimensions U1, P and S2, see type RWN on pages 6 to 7.
- » From size 560 bore D1 is provided with a recess of D = +1 mm halfway along the hub.
 $V \approx 1/3 NL$
- » Weight and mass moments of inertia apply to maximum bore diameters.
- » The product codes apply to standard elements of NBR material in the 80 ShoreA variant; the article number for alternative element types is available on request.

Ordering example

- » RUPEX RFN coupling, size 560
- » Part 1: Hub left with bore 180H7 mm, with keyway to DIN 6885 and set screw.

Ordering Code: [2LC0131-6AJ91-0AA0-ZL2B](#)

¹⁾To identify complete item numbers specifying the available finish boring options and further order options, please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk



Size	Rated Torque Buffer 80 ShoreA T _{KN} (Nm)	Speed n _{Kmax} (rpm)	Dimensions (mm)														Mass Moment of Inertia		Part Number ¹⁾	Weight m (kg)
			Bore, keyway to DIN 6385		DA	ND1	NL1	S	LG	DFA h8	FB	DFN H7	L1	DFK	ZF	DFB	J ₁ kgm ²	J ₂ kgm ²		
			D1 min	D1 max																
105	200	10000	-	32	105	53	45	26	71	158	10	142	-	-	6	9	0.001	0.005	2LC0130-1AK	2.3
125	350	9000	-	42	125	65	50	31	81	180	13	160	-	-	6	11	0.003	0.012	2LC0130-2AK	4.2
144	500	7800	-	50	144	76	55	31	86	200	13	180	-	-	7	11	0.004	0.018	2LC0130-3AK	5
162	750	6900	-	55	162	85	60	37.5	97.5	220	13	200	-	-	8	11	0.007	0.032	2LC0130-4AK	7.3
178	950	6300	-	70	178	102	70	37.5	107.5	248	16	224	-	-	8	14	0.014	0.055	2LC0130-5AK	10
198	1300	5600	-	80	198	120	80	37.5	117.5	274	16	250	-	-	8	14	0.022	0.08	2LC0130-6AK	13
228	2200	4900	-	85	228	129	90	45.5	135.5	314	20	282	-	-	8	18	0.038	0.18	2LC0130-7AK	20
252	2750	4400	-	100	252	150	100	45.5	145.5	344	20	312	-	-	8	18	0.07	0.26	2LC0130-8AK	25
285	4300	3900	48	110	285	164	110	55.5	165.5	380	22	348	-	-	9	18	0.13	0.46	2LC0131-0AK	38
320	5500	3500	55	125	320	180	125	55.5	175.5	430	25	390	-	-	9	22	0.23	0.76	2LC0131-1AK	50
360	7800	3100	65	135	360	200	140	70.5	210.5	480	25	440	-	-	10	22	0.41	1.4	2LC0131-2AK	76
400	12500	2800	75	150	400	230	160	74.5	234.5	520	50	380	4	480	10	22	0.92	1.8	2LC0131-3AK	125
450	18500	2500	85	170	450	260	180	85.5	265.5	575	45	428	6	528	12	26	1.7	3.2	2LC0131-4AK	175
500	25000	2200	95	190	500	290	200	85.5	285.5	620	45	475	6	570	12	26	2.8	4.3	2LC0131-5AK	210



Size	Rated Torque Buffer 80 ShoreA T_{KN} (Nm)	Speed n_{Kmax} (rpm)	Dimensions (mm)														Mass Moment of Inertia		Part Number ¹⁾	Weight m (kg)
			Bore, keyway to DIN 6885		DA	ND1	NL1	S	LG	DFA h8	FB	DFN H7	L1	DFK	ZF	DFB	J_1 kgm ²	J_2 kgm ²		
			D1																	
		min	max																	
560	39000	2000	100	165	560	250	220	106	326	700	65	532	8	650	16	26	4.8	8.2	2LC0131-6AK	330
			165	200		300											5.2			340
			200	210		320											5.4			340
630	52000	1800	100	165	630	250	240	106	346	785	60	602	8	725	16	33	7.6	13.8	2LC0131-7AK	390
			165	200		300											7.9			400
			200	235		355											8.7			420
710	84000	1600	110	190	710	290	260	127	387	875	80	675	10	815	18	33	14.4	26	2LC0131-8AK	550
			190	220		330											14.6			560
			220	250		385											15.9			580
800	110000	1400	125	210	800	320	290	127	417	1000	70	765	10	930	16	39	23.1	45	2LC0131-9AK	690
			210	240		360											23.3			730
			240	280		420											25.7			

Configurable variants¹⁾

- » ØD1 Without finished bore.
With finished bore.

Notes

- » For dimensions U1, P and S2, see type RWS on pages 8 to 9.
- » From size 560 bore D1 is provided with a recess of D = +1 mm halfway along the hub.
 $V \approx 1/3 NL$
- » Weight and mass moments of inertia apply to maximum bore diameters.
- » The product codes apply to standard elements of NBR material in the 80 ShoreA variant; the article number for alternative element types is available on request.

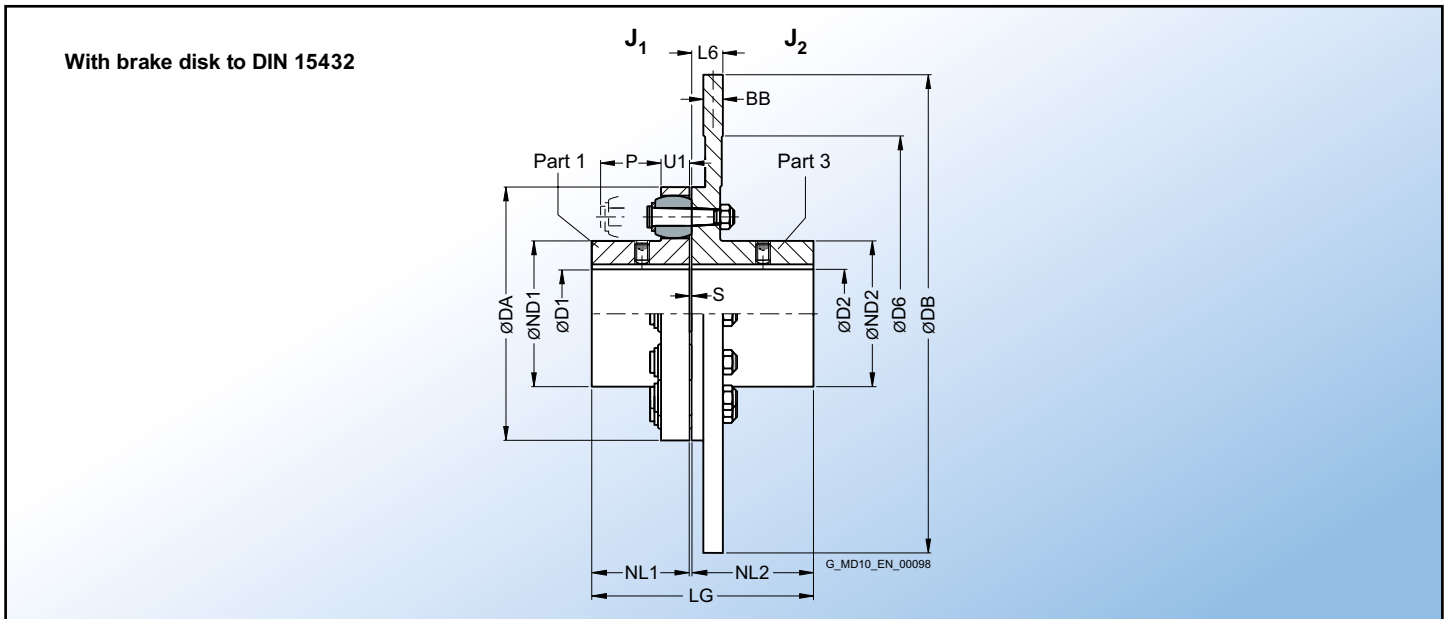
Ordering example

- » RUPEX RFS coupling, size 560
- » Part 1: Hub left with bore 180H7 mm, with keyway to DIN 6885 and set screw.
- » Coupling micro-balanced G6.3 at 1500 rpm in accordance with half parallel key standard.

Ordering Code: 2LC0131-6AK91-0AA0-ZL2B+W02+Y95

Plain text to Y95: G 6.3 N, n = 1500 rpm

¹⁾To identify complete item numbers specifying the available finish boring options and further order options, please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk



Size	Rated Torque Buffer 80 ShoreA	Dimensions (mm)																		Part Number ¹⁾
		Bore, keyway to DIN 6885						Brake Disc												
		D1		D1		DA	ND1	ND2	NL1	NL2	S	U1	P	LG max	DB ²⁾	DB	D6 min	BB ²⁾	L6	
		min	max	min	max									max						
144	500	-	45	-	45	144	76	84	55	219	3	16	35	277	500	315	175	30	34	2LC0130-3AE
162	750	-	50	-	50	162	85	92	60	219	3.5	20	40	282.5	560	315	175	30	34	2LC0130-4AE
178	950	-	60	-	60	178	102	108	70	219	3.5	20	40	292.5	560	355	200	30	34	2LC0130-5AE
198	1300	-	70	-	70	198	120	128	80	219	3.5	20	40	302.5	560	355	200	30	34	2LC0130-6AE
228	2200	-	80	-	80	228	129	140	90	219	3.5	26	50	312.5	800	355	250	30	34	2LC0130-7AE
252	2750	-	90	38	100	252	150	160	100	219	3.5	26	50	322.5	800	400	280	30	34	2LC0130-8AE
285	4300	48	100	48	110	285	164	175	110	219	4.5	32	60	333.5	800	400	310	30	34	2LC0131-0AE
320	5500	55	110	55	120	320	180	192	125	219	4.5	32	60	348.5	1000	450	350	30	34	2LC0131-1AE

Configurable variants¹⁾

- » ØD1 Without finished bore.
- » ØD2 Without finished bore.
- » With finished bore.
- » With finished bore.

Notes

- » Brake disk diameter DB in accordance with customer specification.
- » Additional sizes are available on request.
- » Further dimensions for part 3 on request.
- » Maximum speed in rpm: $n_{kmax} = 1146/DB$ (DB in m)
- Observe maximum speed of type RWN!
- » Mass moments of inertia and weights can be sufficiently precisely determined as follows:
Mass moments of inertia in kgm^2 :
 $J1 = J1$ from type RWN
 $J2 = J2$ from type RWN + $710 \times BB \times DB4$ (BB and DB in m).
- » Weight in kg: $m = m$ from type RWN + $5700 \times BB \times DB^2$ (BB and DB in m).
- » The product codes apply to standard elements of NBR material in the 80 ShoreA variant; the article number for alternative element types is available on request.

Ordering example

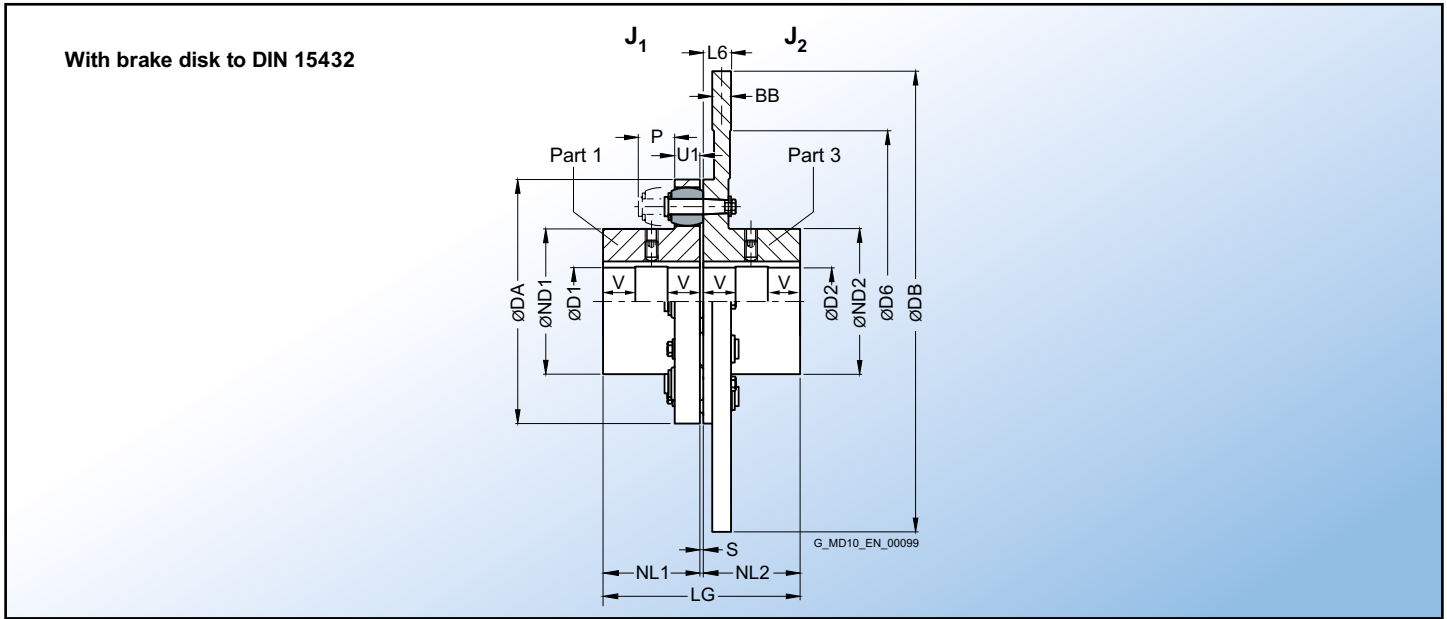
- » RUPLEX RWB coupling, size 252, brake disk 630 x 30 mm.
- » Part 1: Bore D1 = 48H7 mm, keyway to DIN 6885-1 and set screw.
- » Part 3: Bore 42H7 mm, keyway to DIN 6885-1 P9 and set screw.
- » Coupling micro-balanced G6.3 at 1500 rpm in accordance with half parallel key standard.
- » Mass moment of inertia: $J1 = 0.07 kgm^2$
 $J2 = 0.12 kgm^2 + 3.3 kgm^2 = 3.42 kgm^2$
- » Weight: $m = 26.3 kg + 68 kg = 94.3 kg$

Ordering Code: 2LC0130-8AE99-0KA0-ZL1B+M0X+W02+Y95

Plain text to Y95: G 6.3 N, n = 1500 rpm.

To identify complete item numbers specifying the available finish boring options and further order options, please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk

²⁾For the available DB·BB brake disk dimensions, please contact jbj Techniques Ltd. technical office, as above.



Size	Rated Torque Buffer 80 ShoreA	Dimensions (mm)																Part Number ¹⁾		
		Bore, keyway to DIN 6885						DA	ND1	ND2	NL1	NL2	S	U1	P	LG	Brake Disc			
		D1		D1		D6 ²⁾ min	BB ²⁾										L6			
		min	max	min	max															
400	12500	75	150	75	150	400	230	230	160	225	4.5	42	75	389.5	410	30	40	2LC0131-3AH		
450	18500	85	170	85	170	450	260	260	180	225	5.5	52	90	410.5	460	30	40	2LC0131-4AH		
500	25000	95	190	95	190	500	290	290	200	225	5.5	52	90	430.5	510	30	40	2LC0131-5AH		
560	39000	100	165	100	210	560	250	320	220	225	6	68	120	451	570	30	40	2LC0131-6AH		
		165	200				300													
		200	210				320													
630	52000	100	165	100	235	630	250	300	355	240	240	6	68	120	486	670	30	55	2LC0131-7AH	
		165	200				355													
		200	235				355													
710	84000	110	190	110	250	710	290	385	260	260	7	80	140	527	760	30	75	2LC0131-8AH		
		190	220				330													
		220	250				385													
800	110000	125	210	125	280	800	320	420	290	290	7	80	140	587	840	30	75	2LC0132-0AH		
		210	240				360													
		240	280				420													
900	150000	140	210	140	310	900	320	465	320	-	7.5	90	160	647.5	950	30	75	2LC0132-1AH		
		210	240				360													
		240	280				425													
		280	310				465													
1000	195000	150	230	150	340	1000	355	515	350	-	7.5	90	160	707.5	1050	30	75	2LC0132-2AH		
		230	260				395													
		260	300				460													
		300	340				515													



Configurable variants¹⁾

- » ØD1 Without finished bore.
With finished bore.
- » ØD2 Without finished bore.
With finished bore.

Notes

From size 560 bores D1 are provided with a recess of $D = +1$ mm halfway along the hub.

$V \approx 1/3$ NL

- » Brake disk diameter DB in accordance with customer specification.
- » Additional sizes are available on request.
- » Further dimensions for part 3 on request.
- » Maximum speed in rpm: $n_{Kmax} = 1528/DB$ (DB in m)

Observe maximum speed of type RWN!

- » Mass moments of inertia and weights can be sufficiently precisely determined as follows:

Mass moments of inertia in kgm^2 :

$J1 = J1$ from type RWS

$J2 = J2$ from type RWS + $770 \times BB \times DB^4$ (BB and DB in m).

- » Weight in kg: $m = m$ from type RWS + $6160 \times BB \times DB^2$ (BB and DB in m).

- » The product codes apply to standard elements of NBR material in the 80 ShoreA variant; the article number for alternative element types is available on request.

Ordering example

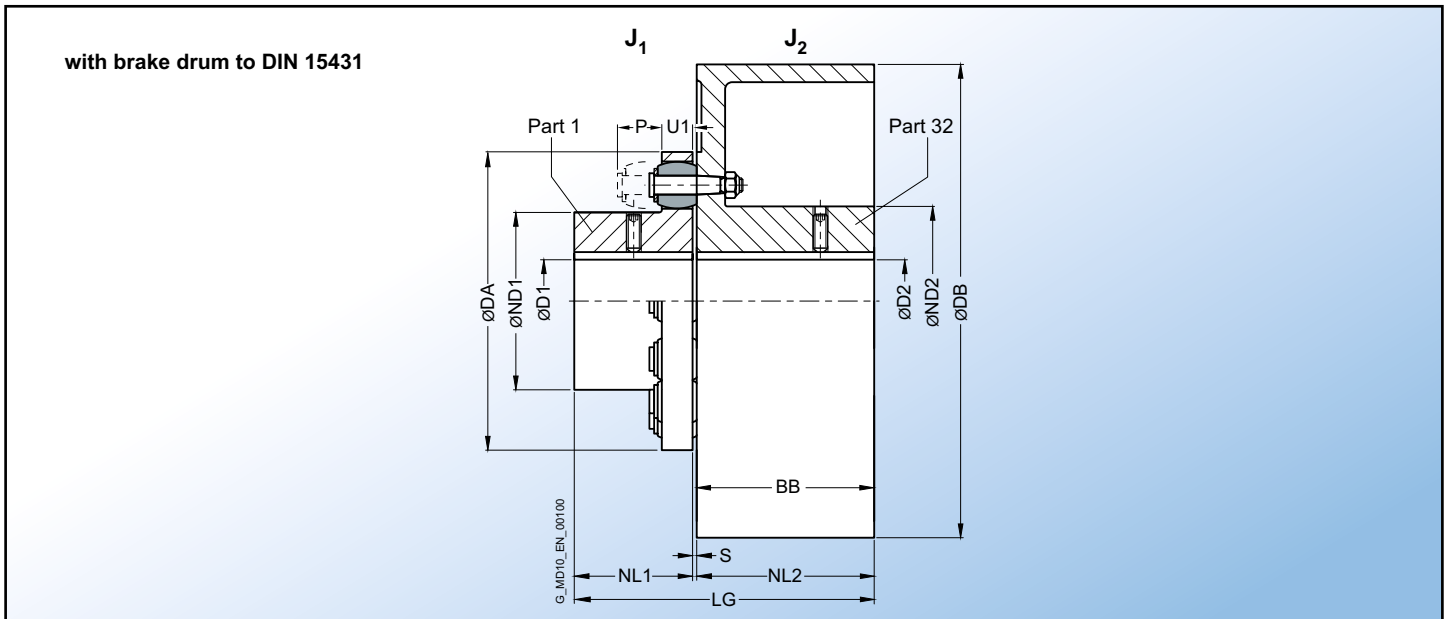
- » RUPEX RWS coupling, size 450, brake disk 900 x 30 mm.
- » Part 1: Bore D1 = 130H7 mm, keyway to DIN 6885-1 and set screw.
- » Part 3: Bore 120H7 mm, keyway to DIN 6885-1 P9 and set screw.
- » Coupling micro-balanced G6.3 at 1500 rpm in accordance with half parallel key standard.
- » Mass moment of inertia: $J1 = 1.74 kgm^2$
 $J2 = 1.74 kgm^2 + 15 kgm^2 = 16.74 kgm^2$
- » Weight: $m = 25.8 kg + 149 kg = 174.8 kg$

Product no: 2LC0131-4AH99-0NA0-Z L1U+M1S+W02+Y95

Plain text to Y95: G 6.3 N, n = 1500 rpm.

¹⁾To identify complete product codes specifying the available finish boring options and further order options, please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk

²⁾For the available DB·BB brake disk dimensions, please please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk



Size	Rated Torque Buffer 80 ShoreA T _{KN} (Nm)	Speed n _{Kmax} (rpm)	Dimensions (mm)											Mass Moment of Inertia		Part Number ¹⁾	Weight m (kg)	
			Bore, keyway to DIN 6885				DA	ND1	ND2	NL1	NL2/BB	S	DB	LG	J ₁ kgm ²			J ₂ kgm ²
			D1		D2													
min	max	min	max															
144	500	4800	-	45	-	55	144	76	84	55	75	3	200	133	0.004	0.04	2LC0130-3AC	9.5
162	750	3800	-	50	-	60	162	85	92	60	95	3.5	250	158.5	0.007	0.11	2LC0130-4AC	17
178	950	3800	-	60	-	70	178	102	108	70	95	3.5	250	168.5	0.014	0.12	2LC0130-5AC	20
		118	315	191.5	0.31	2LC0130-5AC					28							
198	1300	3800	-	70	-	80	198	120	128	80	95	3.5	250	178.5	0.022	0.13	2LC0130-6AC	24
		118	315	201.5	0.32	2LC0130-6AC					32							
228	2200	2400	-	80	-	90	228	129	140	90	150	3.5	400	243.5	0.038	1	2LC0130-7AC	54
252	2750	2400	-	90	38	100	252	150	160	100	150	3.5	400	253.5	0.07	1	2LC0130-8AC	63
		190	500	293.5	2.8	2LC0130-8AC					93							
285	4300	1900	48	100	48	110	285	164	175	110	190	4.5	500	304.5	0.13	2.8	2LC0131-0AC	104
		236	630	350.5	7.8	2LC0131-0AC					157							
320	5500	1500	55	110	55	120	320	180	192	125	236	4.5	630	365.5	0.23	7.9	2LC0131-1AC	172
		265	710	394.5	13.9	2LC0131-1AC					217							
360	7800	1500	65	120	65	130	360	200	210	140	236	4.5	630	380.5	0.41	8.1	2LC0131-2AC	191
		265	710	409.5	14	2LC0131-2AC					236							

Configurable variants¹⁾

- » ØD1 Without finished bore.
- » ØD2 Without finished bore.
- » With finished bore.
- » With finished bore.

Notes

- » For dimensions U1 and P, see type RWN on pages 6 to 7.
- » Weight and mass moments of inertia apply to maximum bore diameters.
- » The product codes apply to standard elements of NBR material in the 80 ShoreA variant; the product code for alternative element types is available on request.

Ordering example

- » RUPLEX RWB coupling, size 252.
- » Part 1: Bore 48H7 mm, keyway to DIN 6885-1 and set screw.
- » Part 3: 500 x 190, bore 42H7 mm, keyway to DIN 6885-1 P9 and set screw.
- » Coupling micro-balanced G6.3 at 1500 rpm in accordance with half parallel key standard.

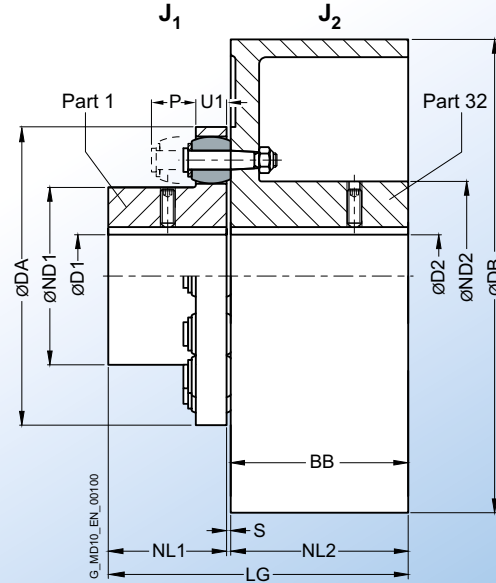
Ordering Code: 2LC0130-8AC99-0FA0-ZL1B+M0X+W02+Y95

Plain text to Y95: G 6.3 N, n = 1500 rpm.

¹⁾To identify complete product codes specifying the available finish boring options and further order options, please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk



with brake drum to DIN 15431



Size	Rated Torque Buffer 80 ShoreA T_{KN} (Nm)	Speed n_{Kmax} (rpm)	Dimensions (mm)												Mass Moment of Inertia		Part Number ¹⁾	Weight m (kg)
			Bore, keyway to DIN 6885				DA	ND1	ND2	NL1	NL2/BB	S	DB	LG	J_1 kgm ²	J_2 kgm ²		
			D1		D2													
			min	max	min	max												
144	500	5000	-	50	-	60	144	76	84	55	75	3	200	133	0.004	0.04	2LC0130-3AD	10
162	750	5000	-	55	-	65	162	85	92	60	95	3.5	250	158.5	0.007	0.13	2LC0130-4AD	18
178	950	4900	-	70	-	75	178	102	108	70	95	3.5	250	168.5	0.014	0.13	2LC0130-5AD	22
		4350	118	315	191.5	0.34					2LC0130-5AD		30					
198	1300	4600	-	80	-	85	198	120	128	80	95	3.5	250	178.5	0.022	0.14	2LC0130-6AD	26
		4350	118	315	201.5	0.35					2LC0130-6AD		35					
228	2200	3400	-	85	-	95	228	129	140	90	150	3.5	400	243.5	0.038	1.1	2LC0130-7AD	60
252	2750	3400	-	100	38	110	252	150	160	100	150	3.5	400	253.5	0.067	1.1	2LC0130-8AD	68
		2750	190	500	293.5	3.1					2LC0130-8AD		103					
285	4300	2750	48	110	48	110	285	164	175	110	190	4.5	500	304.5	0.13	3.1	2LC0131-0AD	115
		2150	236	630	350.5	8.5					2LC0131-0AD		171					
320	5500	2150	55	125	55	125	320	180	192	125	236	4.5	630	365.5	0.23	8.6	2LC0131-1AD	185
		1900	265	710	394.5	14.8					2LC0131-1AD		230					
360	7800	2150	65	135	65	135	360	200	210	140	236	4.5	630	380.5	0.41	8.9	2LC0131-2AD	210
		1900	265	710	409.5	15.1					2LC0131-2AD		255					

Configurable variants¹⁾

- » ØD1 Without finished bore.
- » ØD2 Without finished bore.
- With finished bore.
- With finished bore.

Notes

- » For dimensions U1 and P, see type RWS on pages 8 to 9.
- » Weight and mass moments of inertia apply to maximum bore diameters.
- » The product codes apply to standard elements of NBR material in the 80 ShoreA variant; the product code for alternative element types is available on request.

Ordering example

- » RUPLEX RBS coupling, size 252.
- » Part 1: Bore 48H7 mm, keyway to DIN 6885-1 and set screw.
- » Part 3: 500 x 190, bore 42H7 mm, keyway to DIN 6885-1 P9 and set screw.
- » Coupling micro-balanced G6.3 at 1500 rpm in accordance with half parallel key standard.

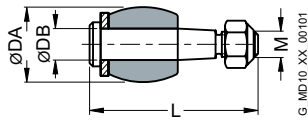
Ordering Code: 2LC0130-8AD99-0FA0-ZL1B+M0X+W02+Y95

Plain text to Y95: G 6.3 N, n = 1500 rpm.

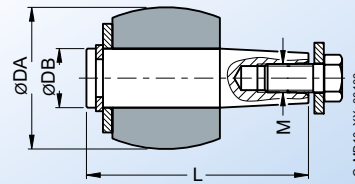
¹⁾To identify complete product codes specifying the available finish boring options and further order options, please contact jbj Techniques Ltd. technical office, telephone: +44 (0)1737 767493 or email: info@jbj.co.uk



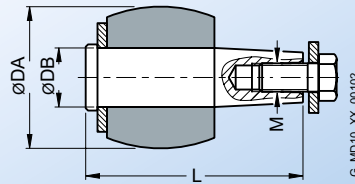
Buffers and pins



Sizes 105 to 400



Sizes 710 to 2000



Sizes 450 to 630

The buffers of RUPEX couplings are wear parts. The service life depends on the operating conditions.

Size	Marking	Number	Dimensions				Product Code for a Set of Buffers (Buffer Perbunan 80ShoreA)	Weight m (kg)	Product Code for a Set of Pins (pin complete with fasteners)	Weight m (kg)
			DA (mm)	DB (mm)	L (mm)	M				
105	105	8	20	8	45	M6	2LC0130-1WA00-0AA0	0.043	2LC0130-1WB00-0AA0	0.14
125	125	8	24	10	53.5	M8	2LC0130-2WA00-0AA0	0.098	2LC0130-2WB00-0AA0	0.28
144 1)	125	10	24	10	53.5 59.5	M8	2LC0130-3WA00-0AA0	0.12	2LC0130-3WB00-0AA0 ASE36074885	0.35 0.4
162 1)	162	9	30	12	64.5 67.5	M10	2LC0130-4WA00-0AA0	0.17	2LC0130-4WB00-0AA0 ASE36074964	0.57 0.6
178 1)	162	10	30	12	64.5 67.5	M10	2LC0130-5WA00-0AA0	0.19	2LC0130-5WB00-0AA0 ASE36075371	0.65 0.67
198 1)	162	12	30	12	64.5 67.5	M10	2LC0130-6WA00-0AA0	0.23	2LC0130-6WB00-0AA0 ASE36075396	0.76 0.8
228	228	11	40	16	79	M12	2LC0130-7WA00-0AA0	0.42	2LC0130-7WB00-0AA0	1.4
252	228	12	40	16	79	M12	2LC0130-8WA00-0AA0	0.45	2LC0130-8WB00-0AA0	1.5
285	285	11	48	20	98	M16	2LC0131-0WA00-0AA0	0.81	2LC0131-0WB00-0AA0	2.5
320	285	12	48	20	98	M16	2LC0131-1WA00-0AA0	0.88	2LC0131-1WB00-0AA0	2.8
360	360	10	64	25	123	M18	2LC0131-2WA00-0AA0	1.6	2LC0131-2WB00-0AA0	4.4
400	360	14	64	25	123	M18	2LC0131-3WA00-0AA0	2.2	2LC0131-3WB00-0AA0	6.1
450	450	12	78	32	123	M16	2LC0131-4WA00-0AA0	3.5	2LC0131-4WB00-0AA0	11
500	450	14	78	32	123	M16	2LC0131-5WA00-0AA0	4	2LC0131-5WB00-0AA0	13
560	560	12	101	42	158	M20	2LC0131-6WA00-0AA0	7.1	2LC0131-6WB00-0AA0	25
630	560	14	101	42	158	M20	2LC0131-7WA00-0AA0	8.3	2LC0131-7WB00-0AA0	29
710	710	14	120	50	185.5	M24	2LC0131-8WA00-0AA0	14	2LC0131-8WB00-0AA0	49
800	710	16	120	50	185.5	M24	2LC0132-0WA00-0AA0	16	2LC0132-0WB00-0AA0	56
900	900	16	136	55	207.5	M24	2LC0132-1WA00-0AA0	24	2LC0132-1WB00-0AA0	71
1000	900	18	136	55	207.5	M24	2LC0132-2WA00-0AA0	27	2LC0132-2WB00-0AA0	80
1120	1120	18	155	60	232.5	M30	2LC0132-3WA00-0AA0	41	2LC0132-3WB00-0AA0	110
1250	1120	20	155	60	232.5	M30	2LC0132-4WA00-0AA0	45	2LC0132-4WB00-0AA0	125
1400	1400	20	175	70	274	M30	2LC0132-5WA00-0AA0	65	2LC0132-5WB00-0AA0	185
1600	1400	24	175	70	274	M30	2LC0132-6WA00-0AA0	78	2LC0132-6WB00-0AA0	225
1800	1800	22	200	80	327	M36	2LC0132-7WA00-0AA0	115	2LC0132-7WB00-0AA0	320
2000	1800	26	200	80	327	M36	2LC0132-8WA00-0AA0	135	2LC0132-8WB00-0AA0	380

1) For types RWB/RBS with brake disk BB = 30 only



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