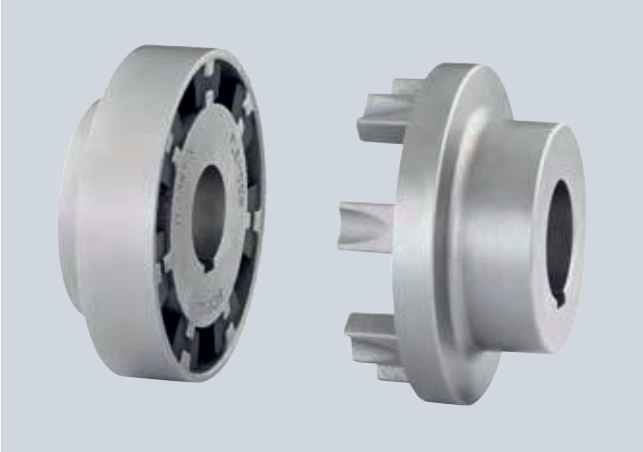
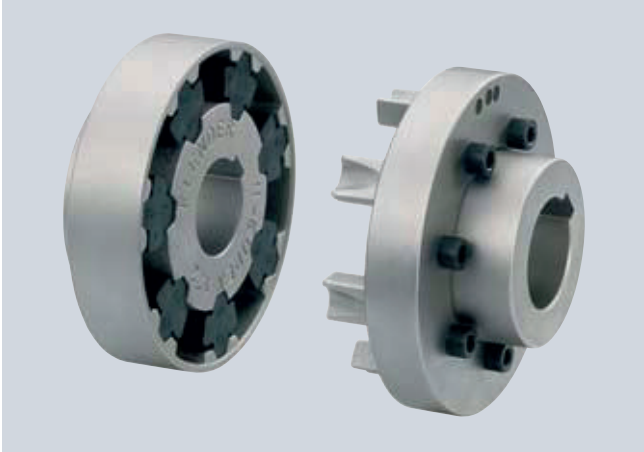
Flexible Couplings
N-EUPEX Series

General information

Overview



N-EUPEX as overload-holding, fail-safe series



N-EUPEX DS as overload-shedding, non-fail-safe series

N-EUPEX and N-EUPEX DS claw couplings connect machines. They compensate for shaft misalignment, generating only low restorative forces.

The torque is conducted through elastomer flexibles, so the coupling has typically flexible rubber properties.

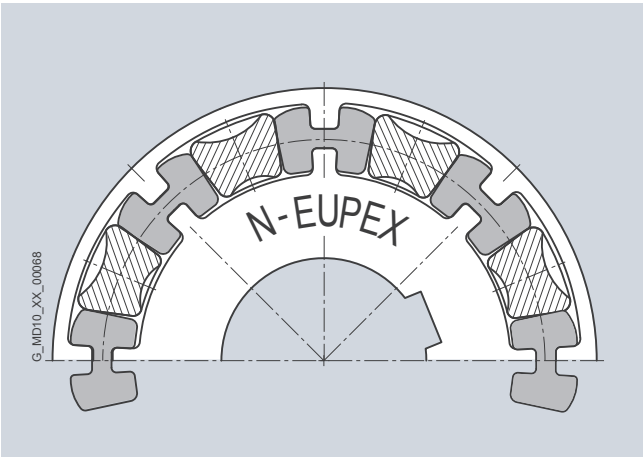
N-EUPEX couplings are overload-holding. By contrast, the N-EUPEX DS series is designed so that overload or advanced wear causes irreparable damage to the elastomer flexibles. The metal parts of N-EUPEX DS couplings can then rotate freely against one another without contact.

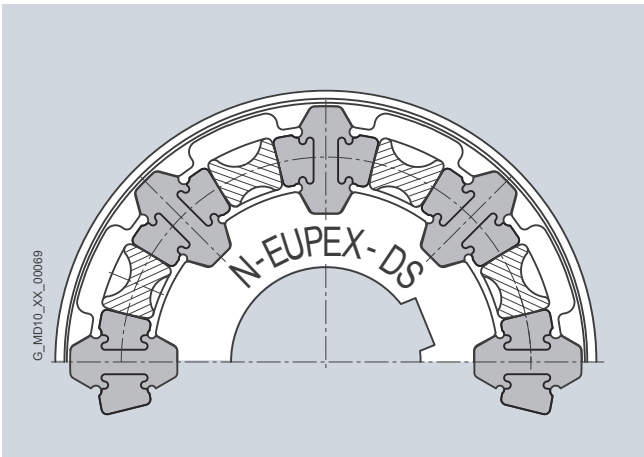
Elastomer flexible of the N-EUPEX series

Elastomer flexible of the N-EUPEX DS series

The flexibles of the N-EUPEX coupling are subjected to compression. If the flexibles are irreparably damaged, the hub parts come into contact with metal. This “emergency operation capability” is required, e.g., in the case of fire pump drives.

The flexibles of the N-EUPEX DS series are subjected to compression and bending forces. If the flexibles are irreparably damaged, the metal parts turn against one another without contact, and the power transmission is separated. Fitting new flexibles will make the coupling once more usable.
The capacity of the N-EUPEX DS series to shed overloads is especially in demand for highly sensitive machines.





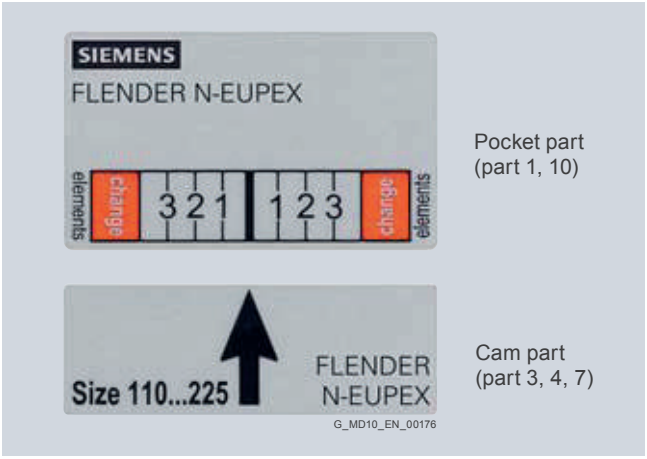
Benefits

N-EUPEX couplings are designed on the modular principle and have a very simple construction. N-EUPEX types are made up of subassemblies to suit requirements. The couplings are assembled by simply fitting the coupling halves together. Wear is restricted to the elastomer flexibles, which must be replaced at the end of their service life.
Depending on type, the elastomer flexibles can be changed without moving the coupled machines.
The coupling parts are readily available from stock and are mostly finish-machined, i.e. with finished bore, keyway, set screw and balancing.

Optionally:

The wear indicator for N-EUPEX couplings enables the condition of the flexible to be easily assessed. The wear condition can also be ascertained with the aid of a stroboscope while the coupling is rotating. The production process can thus continue undisturbed.

If the stroboscope is to be used in a potentially explosive environment, you can enquire about the equipment for this at FLENDER.



The wear indicator must be attached to the outside diameter of the coupling after the coupling has been fitted.

Application

The N-EUPEX coupling is available as a catalog standard in 23 sizes with a rated torque of between 19 Nm and 62000 Nm. The coupling is suitable for use at ambient temperatures of between –30 °C and +80 °C. By using alternative elastomer buffers, the permissible ambient temperature range can be extended to between –50 °C and +100 °C.

Frequently, the coupling is used to connect the motor to the gear unit input shaft. The coupling is suitable especially for drives with uniform to average dynamic loads. Examples of applications are pump drives, ventilator drives or crane running gear. Furthermore, N-EUPEX couplings can be used as add-on couplings, particularly on FLUDEX fluid couplings or ARPEX AKR safety couplings. In the case of drives with a diesel engine, N-EUPEX couplings are suitable for driven machines with a low mass moment of inertia.

In the case of diesel engine drives, the actual dynamic coupling load should be checked by measurement or torsional vibration calculations.

Coupling suitable for potentially explosive environments. Complies with Directive 94/9/EC for:

CE Ex II 2 G T4 / T5 / T6 D120 °C
–30 °C ≤ T_a ≤ +80 °C / +50 °C / +40 °C

CE Ex I M2

Function

The motor torque is transmitted to the hub at the drive end via the shaft-hub connection, which is mostly designed as a keyway connection. The torque is transmitted to the hub on the output side with the aid of elastomer flexibles. The hub on the output side further transmits the torque to the driven machine or a gear unit placed in between. Because of the primarily compression-loaded elastomer flexibles, the coupling has a progressive torsional stiffness.

In the case of the N-EUPEX DS coupling series, the elastomer flexible is subjected to bending and compression loads. In the event of overload or advanced wear, the coupling disconnects positively and the flexibles are irreparably damaged. The metal parts then rotate without touching one another. After new elastomer flexibles are fitted, the N-EUPEX DS coupling is once more operable.

N-EUPEX DS couplings are maintenance-free, even in potentially explosive environments, so long as the possible torque interruption does not lead to an unacceptable disruption of the production process.

General information

Design

N-EUPEX and N-EUPEX DS couplings consist of two hub parts mounted on the machine shafts. The coupling parts are connected positively by means of elastomer flexibles. On the two-part variant, the elastomer flexibles can be changed only if one of the coupled machines is moved. On the three-part variants, the bolted cam ring can be released and moved to enable the flexible to be changed without moving the coupled machines.

Materials

Cam parts, pocket parts, adapters and hubs

Grey cast iron EN-GJL-250

Flexible materials

- N-EUPEX series

Material/description	Hardness	Identification	Ambient temperature
NBR standard type	**80 Shore A**	**Flexible black with blue stripe**	**–30 °C … +80 °C**
NBR soft	65 Shore A	Flexible black with green stripe	–30 °C … +80 °C
NBR hard	90 Shore A	Flexible black with magenta stripe	–30 °C … +80 °C
NBR normal low-backlash	80 Shore A	Flexible black with yellow stripe	–30 °C … +80 °C
NBR soft low-backlash	65 Shore A	Flexible black with white stripe	–30 °C … +80 °C
NR for low temperature	80 Shore A	Flexible black with orange stripe	–50 °C … +50 °C
HNBR high temperature	80 Shore A	Flexible black with red stripe	–10 °C … +100 °C

- N-EUPEX DS series

Material/description	Hardness	Identification	Ambient temperature
NBR compound flexibles for sizes 66 … 272	**80/90 ShoreA 2 components**	**Flexible black**	**–30 °C … +80 °C**
NBR hard for sizes 305 ... 556	**90 Shore A**	**Flexible black**	**–30 °C … +80 °C**
PU electrically insulating	95 Shore A	Flexible blue	–30 °C … +50 °C

PU elastomer flexibles in special design on request.

The technical data and product codes do not include the flexible variants NBR low-backlash, HNBR high temperature and NR low temperature and the DS flexibles polyurethane electrically insulating.

Technical data, prices and product codes on request.

Brake disks

EN-GJS-400 spheroidal graphite cast iron or S355J2G3 steel

Brake drums

Grey cast iron EN-GJL-250

Low-temperature application

Shock loads in the drive caused by e.g. starting of drives with large masses to be accelerated (e.g. in fan drives) result in high component loads, particularly at low temperatures.
For such applications a particularly robust coupling series must be selected. Of the flexible couplings, the RUPEX pin-and-bush coupling is especially suited for this.

Types of N-EUPEX claw coupling

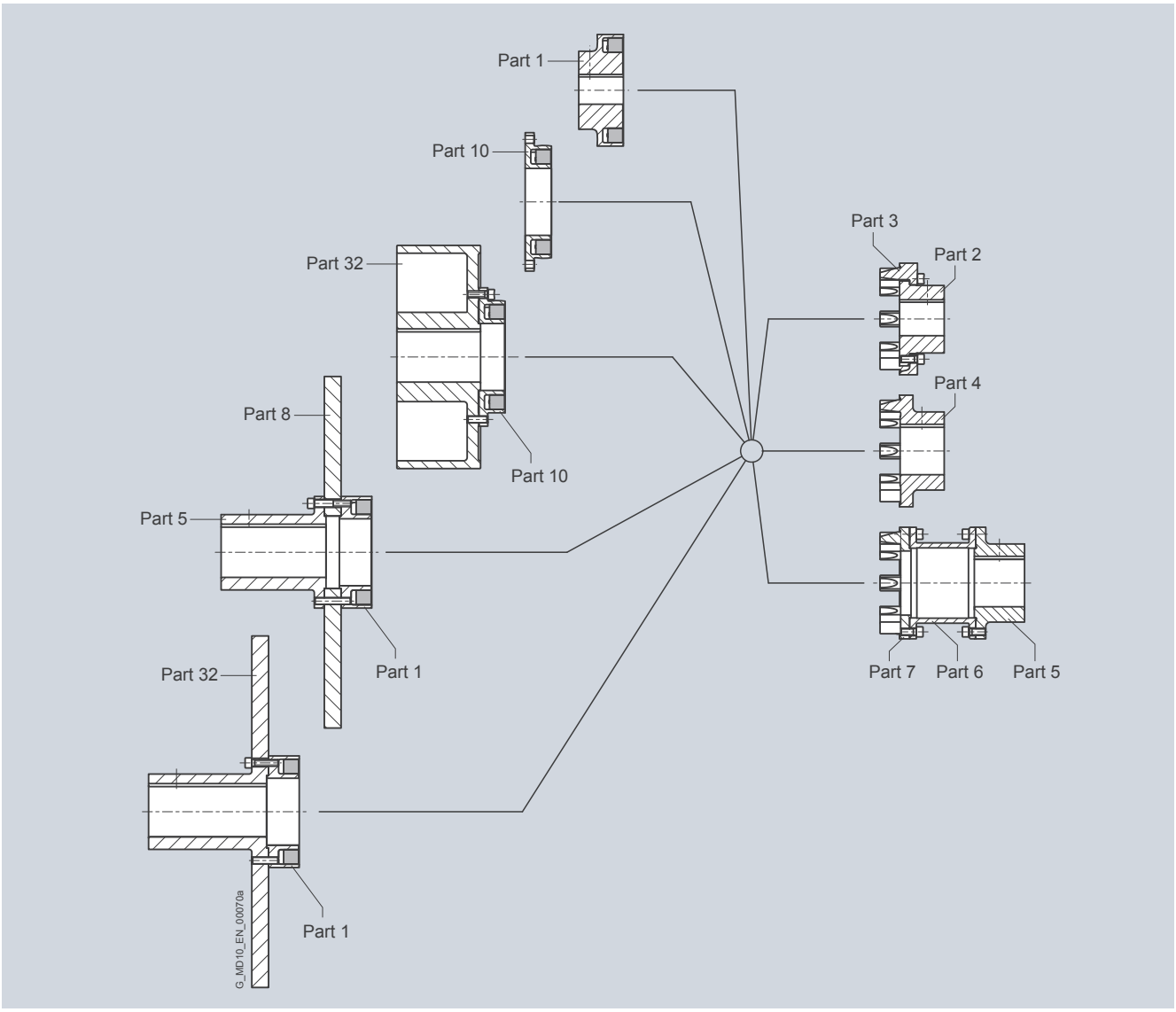
Type	Description
A	Fail-safe, 3-part
B	Fail-safe, 2-part
D	Fail-safe, 3-part, flange variant
E	Fail-safe, 2-part, flange variant
H	Fail-safe, with adapter
O	Fail-safe, 2-part, with brake drum
P	Fail-safe, 3-part, with brake drum
EBD	Fail-safe, 2-part, with brake disk
DBD	Fail-safe, 3-part, with brake disk
DBDR	Fail-safe, 3-part, with brake disk, brake disk radially dismountable
ADS	Non-fail-safe, 3-part
BDS	Non-fail-safe, 2-part
HDS	Non-fail-safe, with adapter

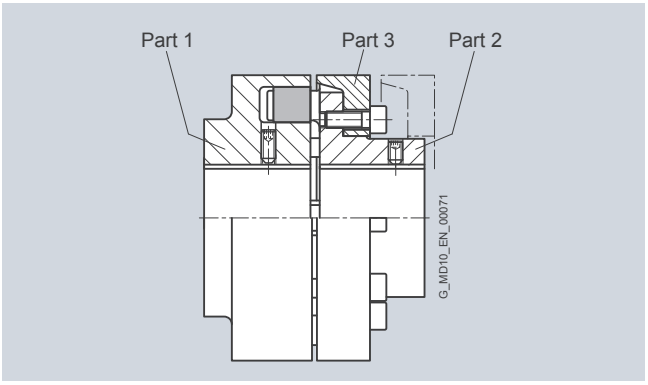
Further application-related coupling types are available. Dimension sheets for and information on these are available on request.

Types of N-EUPEX claw coupling on request

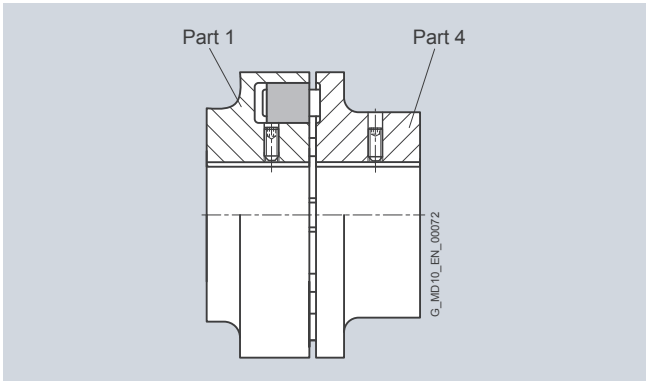
Type	Description
AT	Fail-safe, 3-part, with Taper clamping bush
BT	Fail-safe, 2-part, with Taper clamping bush
G	Fail-safe, 2-part, with intermediate shaft
F	Fail-safe, 3-part, with intermediate shaft
K	Fail-safe, 3-part, with brake drum to customer's requirement
L	Fail-safe, 2-part, with brake drum to customer's requirement
M	Fail-safe, 2-part, with flange dimensions to SAE J620d

Modular principle of N-EUPEX types



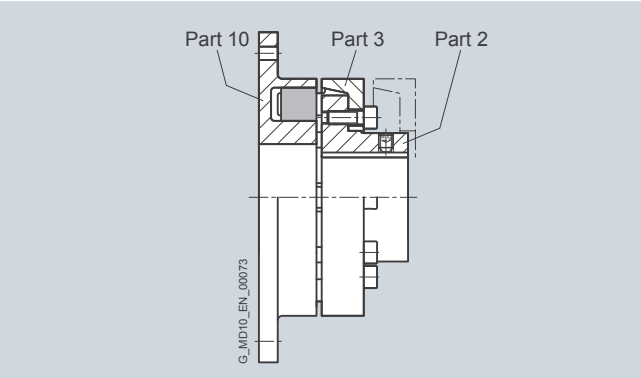


Types A and ADS

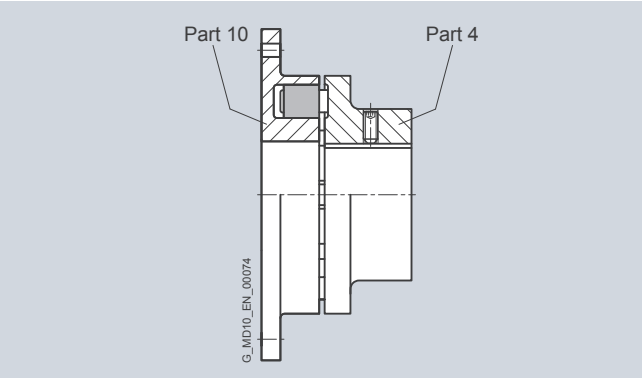


Types B and BDS

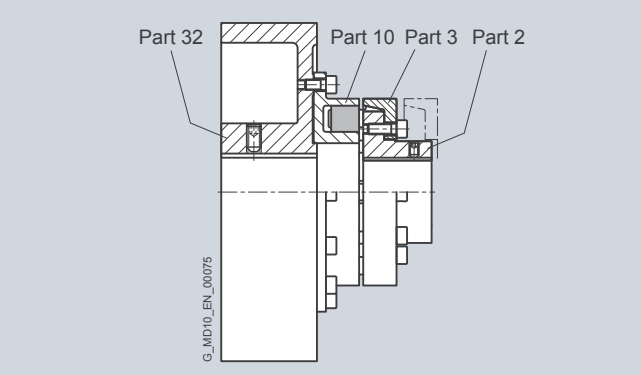
General information



Type D



Type E



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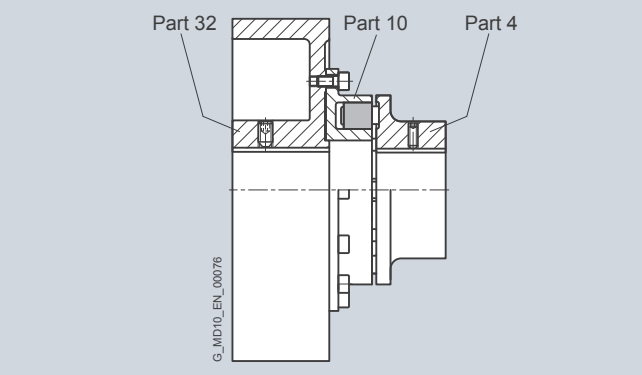
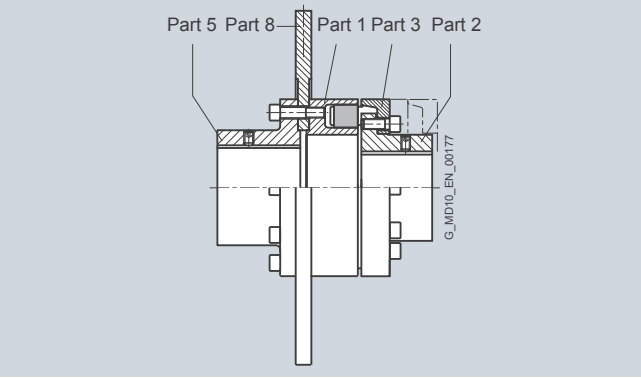
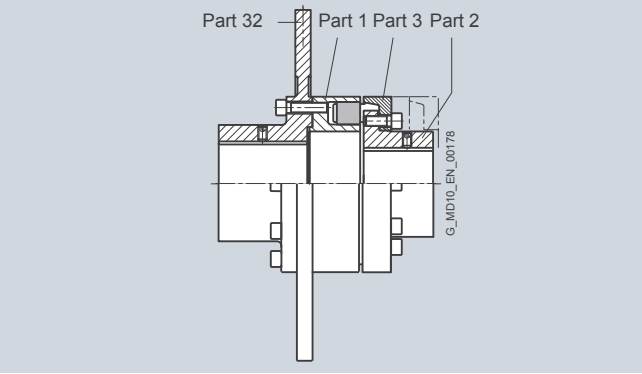


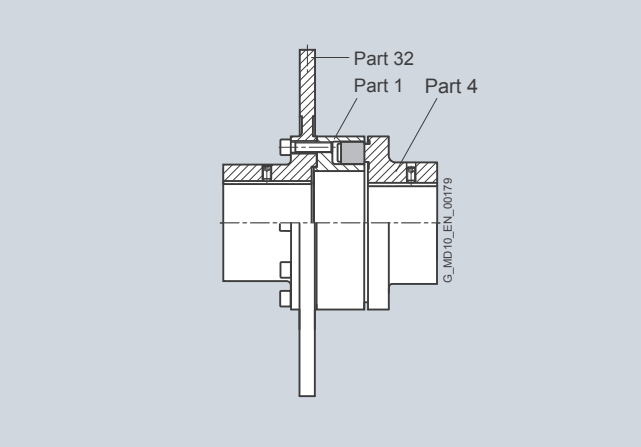
Type O



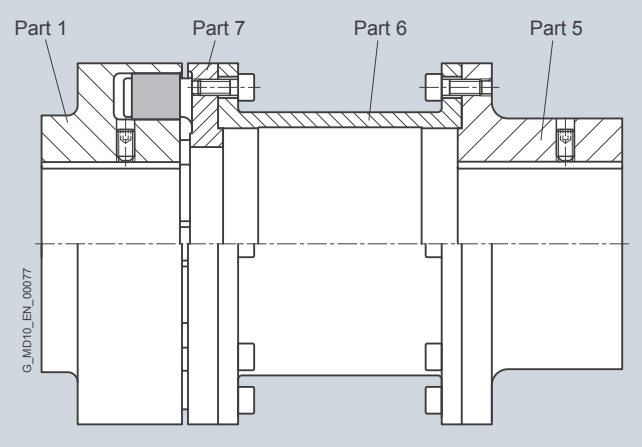
Type DBDR



Type DBD



Type EBD



Types H and HDS

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

Technical data

Power ratings of the N-EUPEX series

Size	Rated torque for flexible type			Torsional stiffness at 50 % capacity utilization for flexible type			Assembly	Permitted shaft misalignment at n = 1500 rpm [1]		
	65 ShoreA	**80 ShoreA**	90 ShoreA	65 ShoreA	**80 ShoreA**	90 ShoreA	Gap dimension	Axial	Radial	Angle
	T_{KN} Nm	T_{KN} Nm	T_{KN} Nm	$C_{Tdyn\ 50\ \%}$ kNm/rad	$C_{Tdyn\ 50\ \%}$ kNm/rad	$C_{Tdyn\ 50\ \%}$ kNm/rad	ΔS mm	ΔK_a mm	ΔK_r mm	ΔK_w °
58	11	**19**	19	0.22	**0.5**	0.9	1.0	0.2	0.2	0.15
68	21	**34**	34	0.4	**0.9**	1.7	1.0	0.2	0.2	0.15
80	37	**60**	60	0.9	**2.4**	4.2	1.0	0.2	0.2	0.12
95	63	**100**	100	1.5	**4**	7	1.0	0.2	0.2	0.12
110	100	**160**	160	2.5	**6**	11	1.0	0.2	0.2	0.10
125	150	**240**	240	3.5	**9**	16	1.0	0.25	0.25	0.10
140	230	**360**	360	5.5	**14**	23	1.0	0.25	0.25	0.10
160	350	**560**	560	11	**28**	48	2.0	0.3	0.3	0.10
180	550	**880**	880	18	**48**	83	2.0	0.3	0.3	0.10
200	850	**1340**	1340	30	**80**	130	2.0	0.3	0.3	0.09
225	1260	**2000**	2000	50	**125**	200	2.0	0.35	0.35	0.09
250	1760	**2800**	2800	65	**170**	290	2.5	0.35	0.35	0.08
280	2460	**3900**	3900	95	**250**	400	2.5	0.4	0.4	0.08
315	3500	**5500**	5500	160	**410**	660	2.5	0.4	0.4	0.08
350	4850	**7700**	7700	230	**590**	940	2.5	0.5	0.5	0.08
400	6500	**10300**	10300	330	**860**	1400	2.5	0.5	0.5	0.08
440	8500	**13500**	13500	470	**1200**	2000	2.5	0.6	0.6	0.08
480	10500	**16600**	16600	560	**1500**	2300	2.5	0.6	0.6	0.07
520	13300	**21200**	21200	660	**1700**	2750	2.5	0.65	0.65	0.07
560	18300	**29000**	29000	1200	**3100**	4200	3.0	0.65	0.65	0.07
610	24000	**38000**	38000	1600	**4200**	5500	3.0	0.75	0.75	0.07
660	30900	**49000**	49000	2000	**5100**	6700	3.0	0.8	0.8	0.07
710	39000	**62000**	62000	2600	**6700**	8700	3.0	0.9	0.9	0.07

For maximum coupling torque:
$T_{Kmax} = 3.0 \cdot T_{KN}$

For coupling overload torque:
$T_{K0L} = 3.5 \cdot T_{KN}$

For coupling fatigue torque: $T_{KW} = 0.15 \cdot T_{KN}$, where $T_N > T_W$ must be adhered to.

Torsional stiffness and damping

The values stated in the above table apply to a capacity utilization of 50 %, an excitation amplitude of 10 % T_{KN} with the frequency 10 Hz and an ambient temperature of 20 °C. Dynamic torsional stiffness is dependent on load and increases in proportion to capacity utilization. The following table shows the correction factors for different nominal loads.

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

	Capacity utilization T_N / T_{KN}						
	20 %	40 %	50 %	60 %	70 %	80 %	100 %
Sizes 58 ... 520							
Correction factor FKC 65/80 ShoreA	0.5	0.8	1	1.2	1.3	1.6	2.0
Correction factor FKC 90 ShoreA	0.7	0.9	1	1.1	1.2	1.3	1.5
Sizes 560 ... 710							
Correction factor FKC 65/80 ShoreA	0.4	0.8	1	1.2	1.4	1.6	2.2
Correction factor FKC 90 ShoreA	0.5	0.8	1	1.2	1.3	1.5	1.9

The damping coefficient is Ψ = 1.4

Furthermore, torsional stiffness and damping depend on the ambient temperature and the frequency and amplitude of the torsional vibration excitation. More precise torsional stiffness and damping parameters on request.

[1] The maximum speed of the respective type must be noted. For further information on permissible shaft misalignment, please see the operating instructions.

Permitted shaft misalignment

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

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

	Speed in rpm			
	500	1000	1500	3000
Correction factor FKV	1.7	1.2	1.0	0.70

The axial misalignment may occur dynamically at frequencies up to 10 Hz. For fitting, a maximum gap dimension of $S_{max} = S + \Delta S$ and a minimum gap dimension of $S_{min} = S - \Delta S$ are permitted.
Shaft misalignments ΔK_a, ΔK_r and ΔK_w may occur simultaneously.

General information

Power ratings of the N-EUPEX DS series

Size	Rated torque	Torsional stiffness at 50 % capacity utilization	Assembly	Permitted shaft misalignment at speed n = 1500 rpm		
			Gap dimension	Axial	Radial	Angle
	T_{KN}	C_{Tdyn}	ΔS	ΔK_a	ΔK_r	ΔK_w
	Nm	kNm/rad	mm	mm	mm	°
66	19	0.7	1.0	0.2	0.2	0.15
76	34	1.3	1.0	0.2	0.2	0.15
88	60	2.5	1.0	0.2	0.2	0.12
103	100	3.8	1.0	0.2	0.2	0.12
118	160	6	1.0	0.2	0.2	0.10
135	240	10	1.0	0.25	0.25	0.10
152	360	13	1.0	0.25	0.25	0.10
172	560	26	2.0	0.3	0.3	0.10
194	880	45	2.0	0.3	0.3	0.10
218	1340	67	2.0	0.3	0.3	0.09
245	2000	101	2.0	0.35	0.35	0.09
272	2800	142	2.5	0.35	0.35	0.08
305	3900	204	2.5	0.4	0.4	0.08
340	5500	335	2.5	0.4	0.4	0.08
380	7700	459	2.5	0.5	0.5	0.08
430	10300	699	2.5	0.5	0.5	0.08
472	13500	941	2.5	0.6	0.6	0.08
514	16600	1209	2.5	0.6	0.6	0.07
556	21200	1474	2.5	0.65	0.65	0.07

Flexibles of sizes 66 to 272 are of the compound type with a hard core and soft thrust pieces.
Sizes 305 to 556 are completely made of 90 ShoreA NBR material.

For maximum coupling torque:
$T_{Kmax} = 2.0 \cdot T_{KN}$

For coupling overload torque:
$T_{K0L} = 3.0 \cdot T_{KN}$

For coupling fatigue torque:
$T_{KW} = 0.15 \cdot T_{KN}$

Torsional stiffness and damping

The values stated in the above table apply to a capacity utilization of 50 %, an excitation amplitude of 10 % T_{KN} with the frequency 10 Hz and an ambient temperature of 20 °C. Dynamic torsional stiffness is dependent on load and increases in proportion to capacity utilization. The following table shows the correction factors for different rated loads.

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

	Capacity utilization T_N / T_{KN}						
	20 %	40 %	50 %	60 %	70 %	80 %	100 %
Correction factor FKC	0.7	0.9	1	1.1	1.2	1.3	1.5

The damping coefficient is Ψ = 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.

Permitted shaft misalignment

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

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

	Speed in rpm			
	500	1000	1500	3000
Correction factor FKV	1.6	1.20	1.0	0.70

The axial misalignment may occur dynamically at frequencies up to 10 Hz. For fitting, a maximum gap dimension of $S_{max} = S + \Delta S$ and a minimum gap dimension of $S_{min} = S - \Delta S$ are permitted.

Shaft misalignments ΔK_a, ΔK_r and ΔK_w may occur simultaneously.

Assignment of N-EUPEX sizes to IEC standard motors

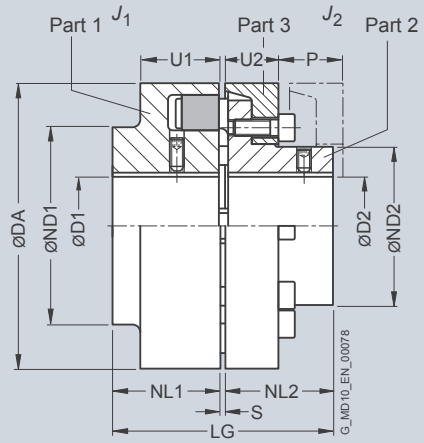
The assignment applies to an application factor of 1.25.

Outputs P_M of IEC motors and assigned N-EUPEX couplings

Three-phase motor	Output at ≈ 3000 rpm	N-EUPEX coupling	Output at ≈ 1500 rpm	N-EUPEX coupling	Output at ≈ 1000 rpm	N-EUPEX coupling	Output at ≈ 750 rpm	N-EUPEX coupling	DE shaft end D x E to IEC	
Size	P_M kW	Size	P_M kW	Size	P_M kW	Size	P_M kW	Size	D mm	E mm
56	0.09	**58**	0.06	**58**					9	20
	0.12	**58**	0.09	**58**						
63	0.18	**58**	0.12	**58**					11	23
	0.25	**58**	0.18	**58**						
71	0.37	**58**	0.25	**58**					14	30
	0.55	**58**	0.37	**58**						
80	0.75	**58**	0.55	**58**	0.37	**58**			19	40
	1.1	**58**	0.75	**58**	0.55	**58**				
90 S	1.5	**68**	1.1	**68**	0.75	**68**			24	50
90 L	2.2	**68**	1.5	**68**	1.1	**68**			24	50
100 L	3	**80**	2.2	**80**	1.5	**80**	0.75	**80**	28	60
			3	**80**			1.1	**80**		
112 M	4	**80**	4	**80**	2.2	**80**	1.5	**80**	28	60
132 S	5.5	**95**	5.5	**95**	3	**95**	2.2	**95**	38	80
	7.5	**95**								
132 M			7.5	**95**	4	**95**	3	**95**	38	80
					5.5	**95**				
160 M	11	**95**	11	**95**	7.5	**95**	4	**95**	42	110
	15	**95**					5.5	**95**		
160 L	18.5	**95**	15	**110**	11	**110**	7.5	**110**	42	110
180 M	22	**110**	18.5	**110**					48	110
180 L			22	**125**	15	**125**	11	**125**	48	110
200 L	30	**125**	30	**125**	18.5	**125**	15	**125**	55	110
	37	**125**			22	**140**				
225 S			37	**140**			18.5	**140**	55	110
									60	140
225 M	45	**125**	45	**140**	30	**140**	22	**140**	55	110
									60	140
250 M	55	**140**	55	**160**	37	**160**	30	**160**	60	140
									65	140
280 S	75	**160**	75	**180**	45	**180**	37	**180**	65	140
									75	140
280 M	90	**160**	90	**180**	55	**180**	45	**180**	65	140
									75	140
315 S	110	**160**	110	**200**	75	**200**	55	**200**	65	140
									80	170
315 M	132	**160**	132	**200**	90	**200**	75	**200**	65	140
									80	170

Type A for easy elastomer flexible replacement

Selection and ordering data



Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm Bore with keyway to DIN 6885													Mass moment of inertia	Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1/ NL2	S	U1	U2	P	LG	J_1/J_2		m
	Nm	rpm														kgm^2		kg
110	160	5300		48		38	110	86	62	40	3	34	20	33	83	0.003	**2LC0100-4AB ■ ■ -0AA0**	3
125	240	5100		55		45	125	100	75	50	3	36	23	38	103	0.005	**2LC0100-5AB ■ ■ -0AA0**	4.8
140	360	4900		60		50	140	100	82	55	3	34	28	43	113	0.008	**2LC0100-6AB ■ ■ -0AA0**	6
160	560	4250		65		58	160	108	95	60	4	39	28	47	124	0.014	**2LC0100-7AB ■ ■ -0AA0**	8.4
180	880	3800		75		65	180	125	108	70	4	42	30	50	144	0.025	**2LC0100-8AB ■ ■ -0AA0**	12
200	1340	3400		85		75	200	140	122	80	4	47	32	53	164	0.04	**2LC0101-0AB ■ ■ -0AA0**	17
225	2000	3000		90		85	225	150	138	90	4	52	38	61	184	0.08	**2LC0101-1AB ■ ■ -0AA0**	23
250	2800	2750	46	100		95	250	165	155	100	6	60	42	69	206	0.13	**2LC0101-2AB ■ ■ -0AA0**	31
280	3900	2450	49	110	54	105	280	180	172	110	6	65	42	73	226	0.20	**2LC0101-3AB ■ ■ -0AA0**	41
315	5500	2150	49	100	46	100	315	165	165	125	6	70	47	78	256	0.32	**2LC0101-4AB ■ ■ -0AA0**	57
			90	120	90	120		200	200							0.35		61
350	7700	2000	61	110	61	110	350	180	180	140	6	74	51	83	286	0.54	**2LC0101-5AB ■ ■ -0AA0**	78
			90	140	90	140		230	230							0.61		82
400	10300	1700	66	120	66	120	400	200	200	160	6	78	56	88	326	1.0	**2LC0101-6AB ■ ■ -0AA0**	112
			100	150	100	150		250	250							1.1		117
440	13500	1550	80	130	80	130	440	215	215	180	7	86	64	99	367	1.5	**2LC0101-7AB ■ ■ -0AA0**	147
			120	160	120	160		265	265							1.7		155
480	16600	1400	90	145	90	145	480	240	240	190	7	90	65	104	387	2.3	**2LC0101-8AB ■ ■ -0AA0**	184
			136	180	136	180		300	300							2.6		200
520	21200	1300	100	150	100	150	520	250	250	210	7	102	68	115	427	3.3	**2LC0102-0AB ■ ■ -0AA0**	234
			140	190	140	190		315	315							3.7		254
560	29000	1200	120	200	120	200	560	320	320	220	9	115	80	125	449	6.0	**2LC0102-1AB ■ ■ -0AA0**	329
610	38000	1100	130	220	130	220	610	352	352	240	9	121	88	135	489	9.0	**2LC0102-2AB ■ ■ -0AA0**	416
660	49000	1000	140	240	140	240	660	384	384	260	9	132	96	145	529	13.5	**2LC0102-3AB ■ ■ -0AA0**	546
710	62000	1000	140	260	140	260	710	416	416	290	9	138	102	155	589	19	**2LC0102-4AB ■ ■ -0AA0**	680

ØD1:	• Without finished bore – Without order codes	**1**
	• Without finished bore sizes 315 to 520 for 2nd diameter range D1 – Without order codes	**2**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• Without finished bore sizes 315 to 520 for 2nd diameter range D2 – Without order codes	**2**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

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.

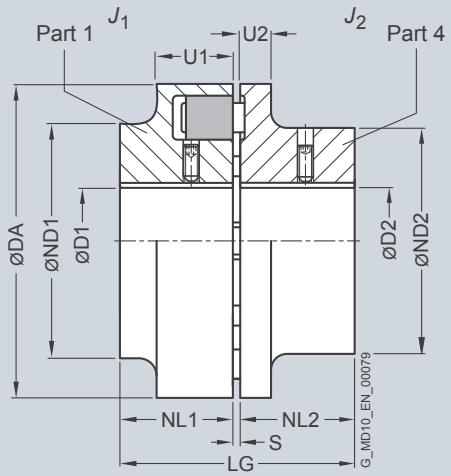
Weights and mass moments of inertia apply to maximum bore diameters.

The product code applies to standard flexibles of 80 ShoreA; the product code for alternative flexible types is available on request.

Ordering example:
N-EUPEX A coupling, size 200,
Part 1: Bore D1 65H7 mm, keyway to DIN 6885-1 and set screw,
Part 2: Bore D2 50H7 mm, keyway to DIN 6885-1 and set screw.

Product code:
2LC0101-0AB99-0AA0
L1F+M1C

Selection and ordering data



Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm Bore with keyway to DIN 6885												Mass moment of inertia	Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1/ NL2	S	U1	U2	LG	J_1/J_2		m
	Nm	rpm													kgm^2		kg
58	19	7500		19		24	58	58	40	20	3	20	8	43	0.0001	**2LC0100-0AA ■ ■ -0AA0**	0.4
68	34	7000		24		28	68	68	50	20	3	20	8	43	0.0002	**2LC0100-1AA ■ ■ -0AA0**	0.54
80	60	6000		30		38	80	80	68	30	3	30	10	63	0.0006	**2LC0100-2AA ■ ■ -0AA0**	1.3
95	100	5500		42		42	95	76	76	35	3	30	12	73	0.0013	**2LC0100-3AA ■ ■ -0AA0**	2.2
110	160	5300		48		48	110	86	86	40	3	34	14	83	0.003	**2LC0100-4AA ■ ■ -0AA0**	3.3
125	240	5100		55		55	125	100	100	50	3	36	18	103	0.006	**2LC0100-5AA ■ ■ -0AA0**	5.2
140	360	4900		60		60	140	100	100	55	3	34	20	113	0.007	**2LC0100-6AA ■ ■ -0AA0**	5.6
160	560	4250		65		65	160	108	108	60	4	39	20	124	0.01	**2LC0100-7AA ■ ■ -0AA0**	7.8
180	880	3800		75		75	180	125	125	70	4	42	20	144	0.02	**2LC0100-8AA ■ ■ -0AA0**	11.5
200	1340	3400		85		85	200	140	140	80	4	47	24	164	0.04	**2LC0101-0AA ■ ■ -0AA0**	16
225	2000	3000		90		90	225	150	150	90	4	52	18	184	0.07	**2LC0101-1AA ■ ■ -0AA0**	20
250	2800	2750	46	100	46	100	250	165	165	100	6	60	18	206	0.12	**2LC0101-2AA ■ ■ -0AA0**	29
280	3900	2450	49	110	54	110	280	180	180	110	6	65	20	226	0.18	**2LC0101-3AA ■ ■ -0AA0**	38

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Weights and mass moments of inertia apply to maximum bore diameters.

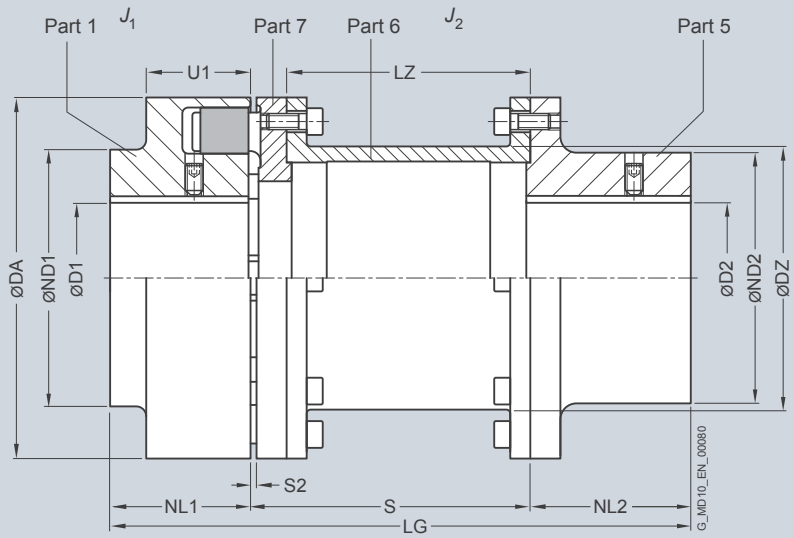
Ordering example:
N-EUPEX B coupling, size 95,
Part 1: Bore D1 42H7 mm, keyway to DIN 6885-1 and set screw,
Part 2: Bore D2 32H7 mm, keyway to DIN 6885-1 and set screw.

Product code:
2LC0100-3AA99-0AA0
L0X+M0T

The product code applies to standard flexibles of 80 ShoreA; the product code for alternative flexible types is available on request.

Type H

Selection and ordering data



For dimension U1, see type A

Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm Bore with keyway to DIN 6885														Mass moment of inertia		Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1	NL2	S2	S	LZ	DZ	LG	J_1	J_2		m
	Nm	rpm															kgm²	kgm²		kg
80	60	6000		30		32	80	80	55	30	45	5	100	87	51	175	0.0006	0.001	**2LC0100-2AG ■ ■ -0AA0**	2.6
													140	127		215		0.001	**2LC0100-2AG ■ ■ -0AB0**	2.7
95	100	5500		42		42	95	76	70	35	45	5	100	87	63	180	0.001	0.003	**2LC0100-3AG ■ ■ -0AA0**	3.5
													140	127		220		0.003	**2LC0100-3AG ■ ■ -0AB0**	3.8
110	160	5300		48		48	110	86	80	40	50	5	100	85	73	190	0.003	0.005	**2LC0100-4AG ■ ■ -0AA0**	5.2
											50		140	125		230		0.006	**2LC0100-4AG ■ ■ -0AB0**	5.4
											60		180	165		280		0.006	**2LC0100-4AG ■ ■ -0AC0**	6.0
125	240	5100		55		55	125	100	90	50	50	5	100	85	85	200	0.005	0.01	**2LC0100-5AG ■ ■ -0AA0**	7.2
											50		140	125		240		0.01	**2LC0100-5AG ■ ■ -0AB0**	7.7
											60		180	165		290		0.011	**2LC0100-5AG ■ ■ -0AC0**	8.2
											70		200	185		320		0.012	**2LC0100-5AG ■ ■ -0AD0**	8.5
											80		250	235		380		0.012	**2LC0100-5AG ■ ■ -0AE0**	9
140	360	4900		60		60	140	100	100	55	65	5	100	82	91	220	0.007	0.018	**2LC0100-6AG ■ ■ -0AA0**	10.0
											65		140	122		260		0.019	**2LC0100-6AG ■ ■ -0AB0**	10.5
											65		180	162		300		0.02	**2LC0100-6AG ■ ■ -0AC0**	11.0
											65		200	182		320		0.021	**2LC0100-6AG ■ ■ -0AD0**	11.3
											80		250	232		385		0.022	**2LC0100-6AG ■ ■ -0AE0**	12.0
160	560	4250		65		65	160	108	108	60	70	6	100	81.5	111	230	0.013	0.03	**2LC0100-7AG ■ ■ -0AA0**	13
											70		140	121.5		270		0.032	**2LC0100-7AG ■ ■ -0AB0**	13.7
											70		180	161.5		310		0.034	**2LC0100-7AG ■ ■ -0AC0**	14.5
											70		200	181.5		330		0.035	**2LC0100-7AG ■ ■ -0AD0**	14.9
											80		250	231.5		390		0.037	**2LC0100-7AG ■ ■ -0AE0**	15.9
180	880	3800		75		75	180	125	125	70	80	6	140	121.5	131	290	0.023	0.054	**2LC0100-8AG ■ ■ -0AB0**	18.5
													180	161.5		330		0.058	**2LC0100-8AG ■ ■ -0AC0**	19.4
													200	181.5		350		0.060	**2LC0100-8AG ■ ■ -0AD0**	21
													250	231.5		400		0.065	**2LC0100-8AG ■ ■ -0AE0**	22

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm Bore with keyway to DIN 6885														Mass moment of inertia		Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1	NL2	S2	S	LZ	DZ	LG	J_1	J_2		m
	Nm	rpm															kgm²	kgm²		kg
200	1340	3400		85		85	200	140	140	80	90	6	140	118.5	144	310	0.04	0.095	**2LC0101-0AG ■ ■ -0AB0**	25.6
													180	158.5		350		0.1	**2LC0101-0AG ■ ■ -0AC0**	26.5
													200	178.5		370		0.105	**2LC0101-0AG ■ ■ -0AD0**	27.2
													250	228.5		420		0.11	**2LC0101-0AG ■ ■ -0AE0**	28.5
225	2000	3000		90		90	225	150	150	90	100	6	140	118.5	169	330	0.07	0.158	**2LC0101-1AG ■ ■ -0AB0**	34
													180	158.5		370		0.16	**2LC0101-1AG ■ ■ -0AC0**	35
													200	178.5		390		0.17	**2LC0101-1AG ■ ■ -0AD0**	36
													250	228.5		440		0.18	**2LC0101-1AG ■ ■ -0AE0**	38
250	2800	2750	46	100	46	100	250	165	165	100	110	8	180	152.5	185	390	0.12	0.27	**2LC0101-2AG ■ ■ -0AC0**	48
													200	172.5		410		0.28	**2LC0101-2AG ■ ■ -0AD0**	50
													250	222.5		460		0.3	**2LC0101-2AG ■ ■ -0AE0**	52
280	3900	2450	49	110	51	110	280	180	180	110	120	8	250	222.5	215	480	0.20	0.52	**2LC0101-3AG ■ ■ -0AE0**	70
315	5500	2150	49	100	51	120	315	165	200	125	140	8	250	222.5	250	515	0.32	0.87	**2LC0101-4AG ■ ■ -0AE0**	98
			90	120				200									0.35		**2LC0101-4AG ■ ■ -0AE0**	100
350	7700	2000	61	110	51	140	350	180	230	140	150	8	250	220.5	272	540	0.54	1.4	**2LC0101-5AG ■ ■ -0AE0**	120
			90	140				230									0.61		**2LC0101-5AG ■ ■ -0AE0**	125
400	10300	1700	66	120	51	150	400	200	250	160	180	8	250	185.5	310	590	1.0	2.9	**2LC0101-6AG ■ ■ -0AE0**	195
			100	150				250									1.1		**2LC0101-6AG ■ ■ -0AE0**	200
440	13500	1550	80	130	51	160	440	215	265	180	180	10	250	182	354	610	1.5	4.1	**2LC0101-7AG ■ ■ -0AE0**	225
			120	160				265									1.7		**2LC0101-7AG ■ ■ -0AE0**	230

ØD1:	• Without finished bore – Without order codes	**1**
	• Without finished bore sizes 315 to 440 for 2nd diameter range D1 – Without order codes	**2**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• Without finished bore sizes 315 to 440 for 2nd diameter range D2 – Without order codes	**2**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

During assembly, the gap dimension S2 must not exceed the permissible tolerance of +1 mm.

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.

Weights and mass moments of inertia apply to maximum bore diameters.

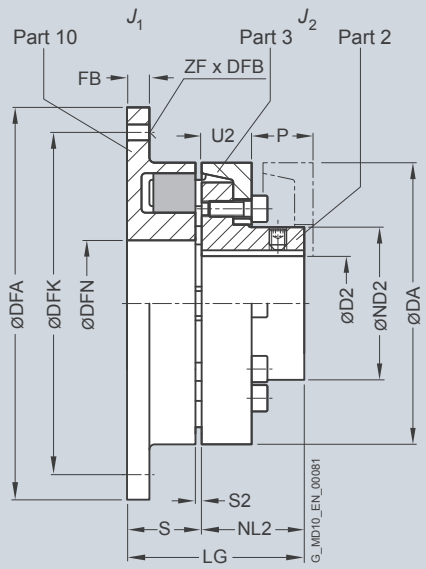
Ordering example:
N-EUPEX H coupling, size 160, S = 200 mm,
Part 1: Bore D1 60H7 mm, keyway to DIN 6885-1 and set screw,
Part 2: Bore D2 55H7 mm, keyway to DIN 6885-1 and set screw.

Product code:
2LC0100-7AG99-0AD0
L1E+M1D

The product code applies to standard flexibles of 80 ShoreA; the product code for alternative flexible types is available on request.

Type D for easy elastomer flexible replacement

Selection and ordering data



For dimensions U2 and P, see type A

Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm								Flange connection dimensions						Mass moment of inertia		Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
			Bore with keyway to DIN 6885																	
	T_{KN}	n_{Kmax}	D2 min.	D2 max.	DA	ND2	NL2	S2	S	LG	DFA h8	DFN H7	DFK	FB	ZF	DFB	J_1	J_2		m
	Nm	rpm															kgm²	kgm²		kg
110	160	5300		38	110	62	40	3	30	70	144	62	128	10	6	9	0.003	0.003	**2LC0100-4AD1 ■ -0AA0**	2.7
																M8			**2LC0100-4AD2 ■ -0AA0**	
125	240	5100		45	125	75	50	3	34	84	158	75	142	10	6	9	0.005	0.005	**2LC0100-5AD1 ■ -0AA0**	3.9
																M8			**2LC0100-5AD2 ■ -0AA0**	
140	360	4900		50	140	82	55	3	37	92	180	82	160	13	6	11	0.011	0.008	**2LC0100-6AD1 ■ -0AA0**	5.6
																M10			**2LC0100-6AD2 ■ -0AA0**	
160	560	4250		58	160	95	60	4	43	103	200	95	180	13	7	11	0.017	0.014	**2LC0100-7AD1 ■ -0AA0**	7.5
																M10			**2LC0100-7AD2 ■ -0AA0**	
180	880	3800		65	180	108	70	4	46	116	220	110	200	13	8	11	0.026	0.025	**2LC0100-8AD1 ■ -0AA0**	10.3
																M10			**2LC0100-8AD2 ■ -0AA0**	
200	1340	3400		75	200	122	80	4	51	131	248	120	224	16	8	14	0.051	0.04	**2LC0101-0AD1 ■ -0AA0**	14.7
																M12			**2LC0101-0AD2 ■ -0AA0**	
225	2000	3000		85	225	138	90	4	56	146	274	135	250	16	8	14	0.085	0.08	**2LC0101-1AD1 ■ -0AA0**	19.5
																M12			**2LC0101-1AD2 ■ -0AA0**	
250	2800	2750		95	250	155	100	5	65	165	314	150	282	20	8	18	0.16	0.13	**2LC0101-2AD1 ■ -0AA0**	28.0
																M16			**2LC0101-2AD2 ■ -0AA0**	
280	3900	2450	54	105	280	172	110	5	70	180	344	170	312	20	8	18	0.24	0.2	**2LC0101-3AD1 ■ -0AA0**	35.0
																M16			**2LC0101-3AD2 ■ -0AA0**	
315	5500	2150	46	100	315	165	125	5	75	200	380	200	348	22	9	18	0.4	0.32	**2LC0101-4AD1 ■ -0AA0**	47
			90	120		200												0.35		50
	5500	2150	46	100	315	165	125	5	75	200	380	200	348	22	9	M16	0.4	0.32	**2LC0101-4AD2 ■ -0AA0**	47
			90	120		200												0.35		50
350	7700	2000	61	110	350	180	140	5	79	219	430	225	390	25	9	22	0.7	0.54	**2LC0101-5AD1 ■ -0AA0**	64
			90	140		230												0.61		67
	7700	2000	61	110	350	180	140	5	79	219	430	225	390	25	9	M20	0.7	0.54	**2LC0101-5AD2 ■ -0AA0**	64
			90	140		230												0.61		67
400	10300	1700	66	120	400	200	160	5	83	243	480	265	440	25	10	22	1.1	1.0	**2LC0101-6AD1 ■ -0AA0**	86
			100	150		250												1.1		90
	10300	1700	66	120	400	200	160	5	83	243	480	265	440	25	10	M20	1.1	1.0	**2LC0101-6AD2 ■ -0AA0**	86
			100	150		250												1.1		90

ØD2:	• Without finished bore – Without order codes	**1**
	• Without finished bore – Only for sizes 315 to 520 in each case with a larger diameter D2 – Without order codes	**2**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Type D for easy elastomer flexible replacement

Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm														Mass moment of inertia		Product code	Weight
			Bore with keyway to DIN 6885								Flange connection dimensions								Order codes for bore diameters and tolerances are specified in catalog section 3	
	T_{KN}	n_{Kmax}	D2		DA	ND2	NL2	S2	S	LG	DFA	DFN	DFK	FB	ZF	DFB	J_1	J_2		m
			min.	max.							h8	H7								
	Nm	rpm															kgm^2	kgm^2		kg
440	13500	1550	80	130	440	215	180	8	94	274	520	295	480	25	10	22	1.7	1.5	**2LC0101-7AD1 ■ -0AA0**	114
			120	160		265												1.7		119
	13500	1550	80	130	440	215	180	8	94	274	520	295	480	25	10	M20	1.7	1.5	**2LC0101-7AD2 ■ -0AA0**	114
			120	160		265												1.7		119
480	16600	1400	90	145	480	240	190	8	98	288	575	325	528	30	10	26	2.7	2.3	**2LC0101-8AD1 ■ -0AA0**	146
			136	180		300												2.6		155
	16600	1400	90	145	480	240	190	8	98	288	575	325	528	30	10	M24	2.7	2.3	**2LC0101-8AD2 ■ -0AA0**	146
			136	180		300												2.6		155
520	21200	1300	100	150	520	250	210	8	110	320	615	355	568	30	10	26	3.8	3.3	**2LC0102-0AD1 ■ -0AA0**	177
			140	190		315												3.7		190
	21200	1300	100	150	520	250	210	8	110	320	615	355	568	30	10	M24	3.8	3.3	**2LC0102-0AD2 ■ -0AA0**	177
			140	190		315												3.7		190

ØD2:		
	• Without finished bore – Without order codes	**1**
	• Without finished bore – Only for sizes 315 to 520 in each case with a larger diameter D2 – Without order codes	**2**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

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.

Weights and mass moments of inertia apply to maximum bore diameters.

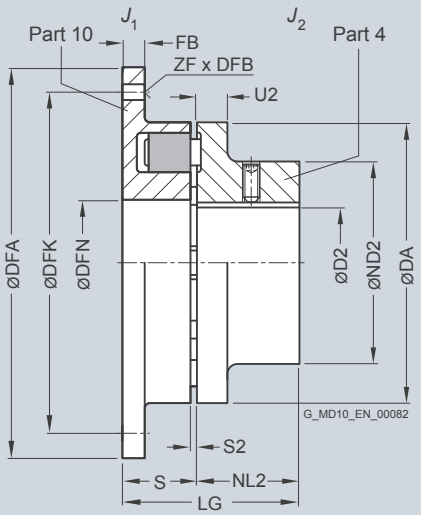
Ordering example:
N-EUPEX D coupling, size 125,
Part 10: with through bores,
Part 2: Bore D2 38H7 mm, with keyway to DIN 6885-1 and set screw.

Product code:
2LC0100-5AD19-0AA0
M0V

The product code applies to standard flexibles of 80 ShoreA; the product code for alternative flexible types is available on request.

Type E

Selection and ordering data



For dimension U2, see type B

Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm															Mass moment of inertia		Product code	Weight
			Bore with keyway to DIN 6885								Flange connection dimensions									Order codes for bore diameters and tolerances are specified in catalog section 3	
	T_{KN}	n_{Kmax}	D2 from	D2 to	DA	ND2	NL2	S2	S	LG	DFA h8	DFN H7	DFK	FB	ZF	DFB		J_2	J_1		m
	Nm	rpm																kgm²	kgm²		kg
68	34	7000		28	68	50	20	3	23	43	90	34	80	7	6	5.5		0.0004	0.0002	**2LC0100-1AC1 ■ -0AA0**	0.63
																M5				**2LC0100-1AC2 ■ -0AA0**	
80	60	6000		38	80	68	30	3	24	54	106	42	94	8	6	6.6		0.0008	0.0006	**2LC0100-2AC1 ■ -0AA0**	1.35
																M6				**2LC0100-2AC2 ■ -0AA0**	
95	100	5500		42	95	76	35	3	27	62	120	52	108	8	6	6.6		0.0014	0.0013	**2LC0100-3AC1 ■ -0AA0**	2.0
																M6				**2LC0100-3AC2 ■ -0AA0**	
110	160	5300		48	110	86	40	3	30	70	144	62	128	10	6	9		0.0034	0.0030	**2LC0100-4AC1 ■ -0AA0**	3.0
																M8				**2LC0100-4AC2 ■ -0AA0**	
125	240	5100		55	125	100	50	3	34	84	158	75	142	10	6	9		0.0052	0.0060	**2LC0100-5AC1 ■ -0AA0**	4.5
																M8				**2LC0100-5AC2 ■ -0AA0**	
140	360	4900		60	140	100	55	3	37	92	180	82	160	13	6	11		0.011	0.007	**2LC0100-6AC1 ■ -0AA0**	5.6
																M10				**2LC0100-6AC2 ■ -0AA0**	
160	560	4250		65	160	108	60	4	43	103	200	95	180	13	7	11		0.017	0.01	**2LC0100-7AC1 ■ -0AA0**	7.2
																M10				**2LC0100-7AC2 ■ -0AA0**	
180	880	3800		75	180	125	70	4	46	116	220	110	200	13	8	11		0.026	0.02	**2LC0100-8AC1 ■ -0AA0**	10.3
																M10				**2LC0100-8AC2 ■ -0AA0**	
200	1340	3400		85	200	140	80	4	51	131	248	120	224	16	8	14		0.051	0.04	**2LC0101-0AC1 ■ -0AA0**	14
																M12				**2LC0101-0AC2 ■ -0AA0**	
225	2000	3000		90	225	150	90	4	56	146	274	135	250	16	8	14		0.085	0.7	**2LC0101-1AC1 ■ -0AA0**	17
																M12				**2LC0101-1AC2 ■ -0AA0**	
250	2800	2750	46	100	250	165	100	5	65	165	314	150	282	20	8	18		0.16	0.12	**2LC0101-2AC1 ■ -0AA0**	26
																M16				**2LC0101-2AC2 ■ -0AA0**	
280	3900	2450	54	110	280	180	110	5	70	180	344	170	312	20	8	18		0.24	0.13	**2LC0101-3AC1 ■ -0AA0**	32
																M16				**2LC0101-3AC2 ■ -0AA0**	

ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

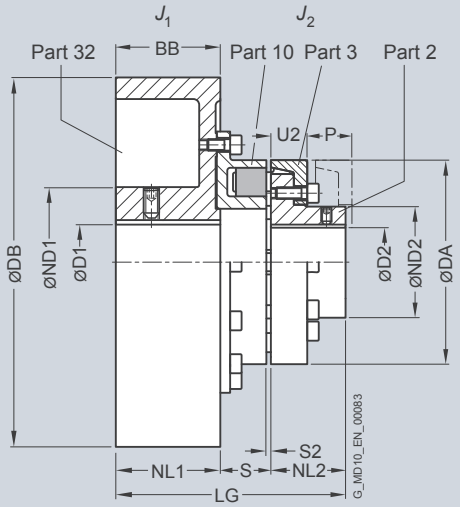
Weights and mass moments of inertia apply to maximum bore diameters.

Ordering example:
N-EUPEX E coupling, size 125,
Part 10 with through bores,
Part 4: Bore D2 38H7 mm, keyway to DIN 6885-1 and set screw.

Product code:
2LC0100-5AC19-0AA0
M0V

The product code applies to standard flexibles of 80 ShoreA; the product code for alternative flexible types is available on request.

Selection and ordering data



For dimensions U2 and P, see type A

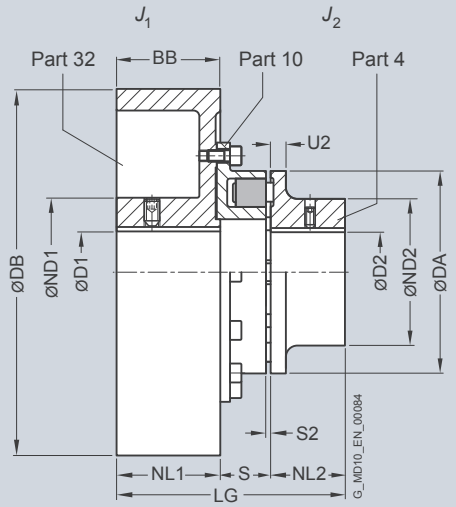
Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm Bore with keyway to DIN 6885														Mass moment of inertia		Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1/ BB	NL2	S2	S	DB	U2	LG	J_1	J_2		m
	Nm	rpm															kgm²	kgm²		kg
125	240	3400		55		45	125	84	75	75	50	3	31	200	23	156	0.043	0.004	**2LC0100-5AF11 ■ ■ -0BA0**	10.9
140	360	2750		60		50	140	128	82	95	55	3	34	250	28	184	0.13	0.008	**2LC0100-6AF11 ■ ■ -0CA0**	21
160	560	2750		70		58	160	128	95	95	60	4	40	250	28	195	0.14	0.014	**2LC0100-7AF11 ■ ■ -0CA0**	22
180	880	2750		70		65	180	128	108	95	70	4	41	250	30	206	0.16	0.025	**2LC0100-8AF11 ■ ■ -0CA0**	28
		2150		80				128		118			43	315		231	0.35		**2LC0100-8AF11 ■ ■ -0DA0**	35
200	1340	2150		80		75	200	128	122	118	80	4	48	315	32	246	0.37	0.04	**2LC0101-0AF11 ■ ■ -0DA0**	40
		1700		90				160		150			48	400		278	1.1		**2LC0101-0AF11 ■ ■ -0FA0**	60
		1400		110				175		190			48	500		318	2.8		**2LC0101-0AF11 ■ ■ -0HA0**	98
225	2000	2150		80		85	225	128	138	118	90	4	51	315	38	259	0.39	0.08	**2LC0101-1AF11 ■ ■ -0DA0**	47
		1700		90				160		150			53	400		293	1.1		**2LC0101-1AF11 ■ ■ -0FA0**	65
		1400	38	110				175		190			53	500		333	3.1		**2LC0101-1AF11 ■ ■ -0HA0**	104
250	2800	1700		100		95	250	160	155	150	100	5	63	400	42	313	1.16	0.13	**2LC0101-2AF11 ■ ■ -0FA0**	76
		1400	38	110				175		190			63	500		353	2.9		**2LC0101-2AF11 ■ ■ -0HA0**	113
280	3900	1700		100	54	105	280	160	172	150	110	5	65	400	42	325	1.24	0.2	**2LC0101-3AF11 ■ ■ -0FA0**	85
		1400	48	110				175		190			68	500		368	3.1		**2LC0101-3AF11 ■ ■ -0HA0**	118
		1100	48	110				175		236			68	630		414	8.0		**2LC0101-3AF11 ■ ■ -0KA0**	171
315	5500	1700		100	46	100	315	160	165	150	125	5	73	400	47	348	1.4	0.32	**2LC0101-4AF11 ■ ■ -0FA0**	96
		1400	48	110				175		190			73	500		388	3.3		**2LC0101-4AF11 ■ ■ -0HA0**	134
		1100	48	110				175		236			73	630		434	8.2		**2LC0101-4AF11 ■ ■ -0KA0**	183
		1000	55	120				192		265			73	710		463	14.2		**2LC0101-4AF11 ■ ■ -0LA0**	236
315	5500	1700		100	90	120	315	160	200	150	125	5	73	400	47	348	1.4	0.35	**2LC0101-4AF11 ■ ■ -0FA0**	97
		1400	48	110				175		190			73	500		388	3.3		**2LC0101-4AF11 ■ ■ -0HA0**	136
		1100	48	110				175		236			73	630		434	8.2		**2LC0101-4AF11 ■ ■ -0KA0**	185
		1000	55	120				192		265			73	710		463	14.2		**2LC0101-4AF11 ■ ■ -0LA0**	238
350	7700	1100	48	110	61	110	350	175	180	236	140	5	76	630	51	452	8.5	0.54	**2LC0101-5AF11 ■ ■ -0KA0**	200
		1000	55	120				192		265			76	710		481	14.6		**2LC0101-5AF11 ■ ■ -0LA0**	253
350	7700	1100	48	110	90	140	350	175	230	236	140	5	76	630	51	452	8.5	0.61	**2LC0101-5AF11 ■ ■ -0KA0**	203
		1000	55	120				192		265			76	710		481	14.6		**2LC0101-5AF11 ■ ■ -0LA0**	257

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Weights and mass moments of inertia apply to maximum bore diameters.

Type O with brake drum

Selection and ordering data



Size	Rated torque flexible type 80 ShoreA	Speed	Dimensions in mm Bore with keyway to DIN 6885														Mass moment of inertia		Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1 BB	NL2	S2	S	DB	U2	LG	J_1	J_2		m
	Nm	rpm															kgm²	kgm²		kg
125	240	3400		55		55	125	84	100	75	50	3	31	200	18	156	0.043	0.006	**2LC0100-5AE ■ ■ -0BA0**	11.3
140	360	2750		60		60	140	128	100	95	55	3	34	250	20	184	0.13	0.007	**2LC0100-6AE ■ ■ -0CA0**	22.3
160	560	2750		70		65	160	128	108	95	60	4	40	250	20	195	0.14	0.01	**2LC0100-7AE ■ ■ -0CA0**	24
180	880	2150		70		75	180	128	125	95	70	4	41	250	20	206	0.16	0.02	**2LC0100-8AE ■ ■ -0CA0**	28
				80						118			43	315		231	0.35		**2LC0100-8AE ■ ■ -0DA0**	35
200	1340	2190		80		85	200	128	140	118	80	4	48	315	24	246	0.37	0.04	**2LC0101-0AE ■ ■ -0DA0**	40
		1700		90				160		150			48	400		278	1.10		**2LC0101-0AE ■ ■ -0FA0**	60
		1400		110				175		190			48	500		318	2.80		**2LC0101-0AE ■ ■ -0HA0**	98
225	2000	2150		80		90	225	128	150	118	90	4	51	315	18	259	0.39	0.07	**2LC0101-1AE ■ ■ -0DA0**	45
		1700		90				160		150			53	400		293	1.10		**2LC0101-1AE ■ ■ -0FA0**	63
		1400	38	110				175		190			53	500		333	3.10		**2LC0101-1AE ■ ■ -0HA0**	102
250	2800	1700		100	46	100	250	160	165	150	100	5	63	400	18	313	1.16	0.12	**2LC0101-2AE ■ ■ -0FA0**	73
		1400	38	110				175		190			63	500		353	2.90		**2LC0101-2AE ■ ■ -0HA0**	108
280	3900	1700		110	54	110	280	160	180	150	110	5	65	400	20	325	1.24	0.18	**2LC0101-3AE ■ ■ -0FA0**	82
		1400	48					175		190			68	500		368	3.10		**2LC0101-3AE ■ ■ -0HA0**	115
		1100	48					175		236			68	630		414	8.0		**2LC0101-3AE ■ ■ -0KA0**	168

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Weights and mass moments of inertia apply to maximum bore diameters.

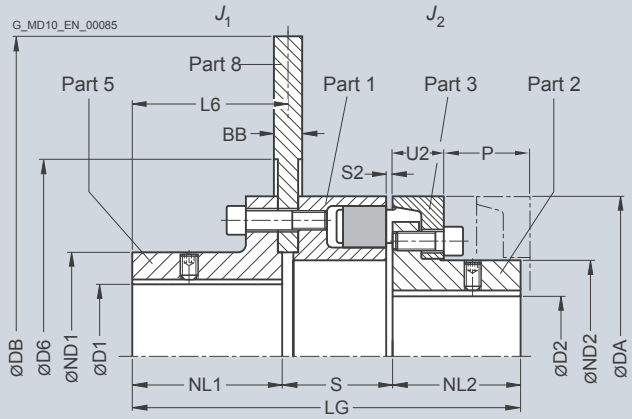
Ordering example:
N-EUPEX O coupling, size 200,
brake drum 315 x 118 mm,
Part 32: Bore D1 55H7 mm, keyway to DIN 6885 P9 and set screw,
Part 4: Bore D2 60H7 mm, keyway to DIN 6885 and set screw.

Coupling micro-balanced G6.3 at 1500 rpm in accordance with half parallel key standard.

Product code:
2LC0101-0AE99-0DA0-Z
L1D+M1E+W02

The product code applies to standard flexibles of 80 ShoreA; the product code for alternative flexible types is available on request.

Selection and ordering data



For dimensions U2 and P, see type A

Size	Rated torque flexible type 80 ShoreA	Dimensions in mm Bore with keyway to DIN 6885																Mass moment of inertia		Product code Plain text specification **DB; BB; D6; NL1** required for order code **P0Y** Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN} Nm	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1	NL2	S	S2	DB min.	D6 min.	BB	L6	LG		J_1 min. kgm²	J_2 kgm²		m min. kg
140	360	55		50	140	85	82	72	55	54.35	3	315	175	12.7	74	181.35		0.11	0.008	**2LC0100-6AV ■ ■ -0ZA0 P0Y**	15.5
								72		57.5				15	76	184.5		0.13			17
								188		73				30	200	316		0.24			28.5
160	560	70		58	160	105	95	90	60	58.35	4	315	175	12.7	91	208.35		0.12	0.014	**2LC0100-7AV ■ ■ -0ZA0 P0Y**	19
								90		62.5				15	94	212.5		0.14			20.5
								188		78				30	200	326		0.26			32
180	880	80		65	180	125	108	90	70	60.35	4	355	200	12.7	91	220.35		0.35	0.025	**2LC0100-8AV ■ ■ -0ZA0 P0Y**	25.5
								90		64.5				15	94	224.5		0.37			27
								188		80				30	200	338		0.57			43
200	1340	90		75	200	135	122	95	80	67.35	4	400	220	12.7	97	242.35		0.32	0.04	**2LC0101-0AV ■ ■ -0ZA0 P0Y**	33
								95		70.5				15	99	245.5		0.36			36
								188		86				30	200	354		0.67			55
225	2000	105		85	225	160	138	100	90	72.35	4	450	250	12.7	103	262.35		0.52	0.08	**2LC0101-1AV ■ ■ -0ZA0 P0Y**	44
								100		74.5				15	104	264.5		0.59			47
								188		90				30	200	368		1.1			72
250	2800	110		95	250	170	155	105	100	83.35	6	500	280	12.7	107	288.35		1.6	0.13	**2LC0101-2AV ■ ■ -0ZA0 P0Y**	58
								105		86.5				15	109	291.5		1.7			61
								188		102				30	200	390		2.5			90
280	3900	130	54	105	280	200	172	120	110	87.35	6	560	310	12.7	122	317.35		1.3	0.20	**2LC0101-3AV ■ ■ -0ZA0 P0Y**	76
								120		90.5				15	124	320.5		1.5			80
								188		106				30	200	404		2.7			115
315	5500	130	46	100	315	200	165	130	125	87.35	6	630	350	12.7	130	342.35		2.1	0.32	**2LC0101-4AV ■ ■ -0ZA0 P0Y**	98
								130		92.5				15	134	347.5		2.3			100
								188		108				30	200	421		4.2			140
315	5500	130	90	120	315	200	200	130	125	87.35	6	630	350	12.7	130	342.35		2.1	0.35	**2LC0101-4AV ■ ■ -0ZA0 P0Y**	100
								130		92.5				15	134	347.5		2.3			105
								188		108				30	200	421		4.2			145
350	7700	140	61	110	350	230	180	135	140	97.35	6	710	390	12.7	136	372.35		3.3	0.54	**2LC0101-5AV ■ ■ -0ZA0 P0Y**	130
								135		101.5				15	139	376.5		3.8			135
								188		117				30	200	445		6.7			190
350	7700	140	90	140	350	230	230	135	140	97.35	6	710	390	12.7	136	372.35		3.3	0.61	**2LC0101-5AV ■ ■ -0ZA0 P0Y**	135
								135		101.5				15	139	376.5		3.8			140
								188		117				30	200	445		6.7			190

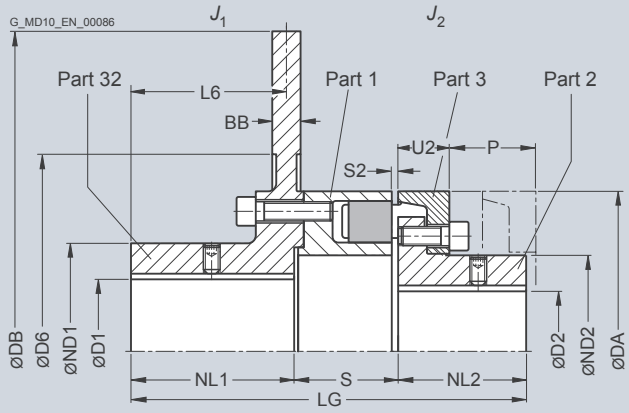
ØD1:	• Without finished bore – Without order codes	1
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	9
ØD2:	• Without finished bore – Without order codes	1
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	9

Weights and mass moments of inertia apply to maximum bore diameters.
Maximum speed in rpm
n_{max} = 1146/DB DB in m

Other brake disk diameters DB and brake disk widths BB on request.

Type DBD with brake disk for easy elastomer flexible replacement

Selection and ordering data



For dimensions U2 and P, see type A

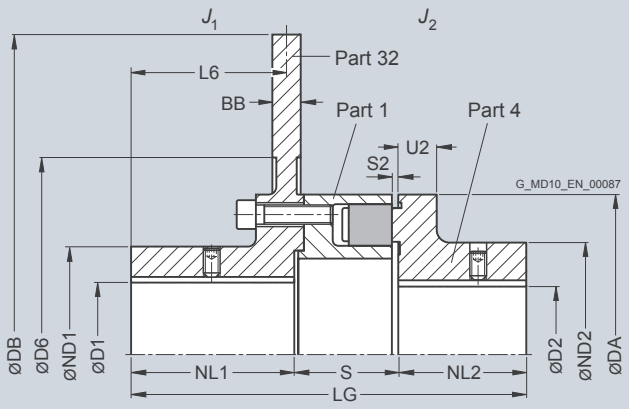
Size	Rated torque flexible type 80 ShoreA	Dimensions in mm Bore with keyway to DIN 6885															Mass moment of inertia		Product code Plain text specification **DB; BB; D6; NL1** required for order code **P0Y** Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	D1	D2		DA	ND1	ND2	NL1	NL2	S	S2	DB	D6	BB	L6	LG	J_1	J_2		m
	Nm	max.	min.	max.								min.	min.				min. kgm²	kgm²		min. kg
140	360	55		50	140	85	82	81.5	55	49.5	3	315	175	12.7	74	186	0.10	0.008	**2LC0100-6AU ■ ■ -0ZA0 P0Y**	15
								81.5						15	73	186	0.12			16
								211.5						30	200	316	0.22			26
160	560	70		58	160	105	95	98.5	60	54.5	4	315	175	12.7	91	213	0.11	0.014	**2LC0100-7AU ■ ■ -0ZA0 P0Y**	18
								98.5						15	90	213	0.13			19
								211.5						30	200	326	0.23			30
180	880	80		65	180	125	108	98.5	70	56.5	4	355	200	12.7	91	225	0.33	0.025	**2LC0100-8AU ■ ■ -0ZA0 P0Y**	24
								98.5						15	90	225	0.36			25.5
								211.5						30	200	338	0.53			40
200	1340	90		75	200	135	122	104.5	80	62.5	4	400	220	12.7	97	247	0.30	0.04	**2LC0101-0AU ■ ■ -0ZA0 P0Y**	32.5
								104.5						15	96	247	0.34			34
								211.5						30	200	354	0.61			51
225	2000	105		85	225	160	138	111.5	90	66.5	4	450	250	12.7	103	268	0.48	0.08	**2LC0101-1AU ■ ■ -0ZA0 P0Y**	43
								111.5						15	102	268	0.55			45
								211.5						30	200	368	1.0			66
250	2800	110		95	250	170	155	116.5	100	78.5	6	500	280	12.7	107	295	1.5	0.13	**2LC0101-2AU ■ ■ -0ZA0 P0Y**	56
								116.5						15	106	295	1.6			58
								211.5						30	200	390	2.3			83
280	3900	130	54	105	280	200	172	131.5	110	82.5	6	560	310	12.7	122	324	1.2	0.20	**2LC0101-3AU ■ ■ -0ZA0 P0Y**	73
								131.5						15	121	324	1.3			76
								211.5						30	200	404	2.4			107
315	5500	130	46	100	315	200	165	141.5	125	87.5	6	630	350	12.7	130	351	1.9	0.32	**2LC0101-4AU ■ ■ -0ZA0 P0Y**	93
								141.5						15	129	351	2.1			97
								211.5						30	200	421	3.8			130
315	5500	130	90	120	315	200	200	141.5	125	87.5	6	630	350	12.7	130	351	1.9	0.35	**2LC0101-4AU ■ ■ -0ZA0 P0Y**	96
								141.5						15	129	351	2.1			100
								211.5						30	200	421	3.8			135
350	7700	140	61	110	350	230	180	146.5	140	93.5	6	710	390	12.7	136	380	3.8	0.54	**2LC0101-5AU ■ ■ -0ZA0 P0Y**	145
								146.5						15	134	380	4.2			150
								211.5						30	200	445	6.0			170
350	7700	140	90	140	350	230	230	146.5	140	93.5	6	710	390	12.7	136	380	3.8	0.61	**2LC0101-5AU ■ ■ -0ZA0 P0Y**	150
								146.5						15	134	380	4.2			155
								211.5						30	200	445	6.0			175

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Weights and mass moments of inertia apply to maximum bore diameters.
Maximum speed in rpm
n_{max} = 1146/DB DB in m

Other brake disk diameters DB and brake disk widths BB on request.

Selection and ordering data



For dimension U2, see type B

Size	Rated torque flexible type 80 ShoreA	Dimensions in mm Bore with keyway to DIN 6885															Mass moment of inertia		Product code Plain text specification **DB; BB; D6; NL1** required for order code **P0Y** Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	D1 max.	D2 min.	max.	DA	ND1	ND2	NL1	NL2	S	S2	DB min.	D6 min.	BB	L6	LG	J_1 min.	J_2		m min.
	Nm																kgm²	kgm²		kg
140	360	55		60	140	85	100	81.5	55	49.5	3	315	175	12.7	74	186	0.10	0.007	**2LC0100-6AW ■ ■ -0ZA0 P0Y**	15
								81.5						15	73	186	0.12			16
								211.5						30	200	316	0.22			26
160	560	70		65	160	105	108	98.5	60	54.5	4	315	175	12.7	91	213	0.11	0.01	**2LC0100-7AW ■ ■ -0ZA0 P0Y**	18
								98.5						15	90	213	0.13			19
								211.5						30	200	326	0.23			30
180	880	80		75	180	125	125	98.5	70	56.5	4	355	200	12.7	91	225	0.33	0.02	**2LC0100-8AW ■ ■ -0ZA0 P0Y**	24
								98.5						15	90	225	0.36			25.5
								211.5						30	200	338	0.53			40
200	1340	90		85	200	135	140	104.5	80	62.5	4	400	220	12.7	97	247	0.30	0.04	**2LC0101-0AW ■ ■ -0ZA0 P0Y**	32.5
								104.5						15	96	247	0.34			34
								211.5						30	200	354	0.61			51
225	2000	105		90	225	160	150	111.5	90	66.5	4	450	250	12.7	103	268	0.48	0.07	**2LC0101-1AW ■ ■ -0ZA0 P0Y**	43
								111.5						15	102	268	0.55			45
								211.5						30	200	368	1.0			66
250	2800	110	46	100	250	170	165	116.5	100	78.5	6	500	280	12.7	107	295	1.5	0.12	**2LC0101-2AW ■ ■ -0ZA0 P0Y**	56
								116.5						15	106	295	1.6			58
								211.5						30	200	390	2.3			83
280	3900	130	54	110	280	200	180	131.5	110	82.5	6	560	310	12.7	122	324	1.2	0.18	**2LC0101-3AW ■ ■ -0ZA0 P0Y**	73
								131.5						15	121	324	1.3			76
								211.5						30	200	404	2.4			107

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Weights and mass moments of inertia apply to maximum bore diameters.

Ordering example:
N-EUPEX EBD coupling, size 200,
brake disk DIN 15432-AM-400 mm x 30 mm,
Bore D1 55H7 mm, with keyway to DIN 6885 P9 and set screw,
Bore D2 60H7 mm, with keyway to DIN 6885 and set screw.
Coupling micro-balanced G6.3 at 1500 rpm in accordance with the half parallel key standard.

Product code:
2LC0101-0AW99-0ZA0-Z
L1D+M1E+P0Y+W02
plain text to P0Y:
DB = 400 mm; BB = 30 mm; D6 = 220 mm; NL1 = 211.5 mm

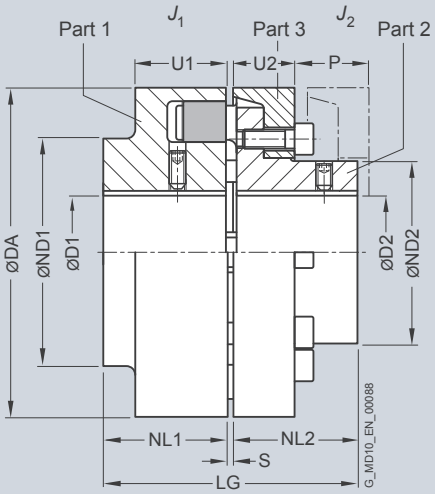
The product code applies to standard flexibles of 80 ShoreA; the product code for alternative flexible types is available on request.

Other brake disk diameters DB and brake disk widths BB on request.

Maximum speed in rpm
n_{max} = 1146/DB DB in m

Type ADS
for easy elastomer flexible replacement

Selection and ordering data



Size	Rated torque	Speed	Dimensions in mm Bore with keyway to DIN 6885													Mass moment of inertia	Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1/ NL2	S	U1	U2	P	LG	J_1/J_2		m
	Nm	rpm														kgm²		kg
118	160	5300		48		38	118	86	62	40	3	34	20	33	83	0.003	**2LC0110-4AB ■ ■ -0AA0**	3.5
135	240	5100		55		45	135	100	75	50	3	36	23	38	103	0.006	**2LC0110-5AB ■ ■ -0AA0**	5.5
152	360	4900		60		50	152	108	82	55	3	36	28	43	113	0.011	**2LC0110-6AB ■ ■ -0AA0**	7.7
172	560	4250		65		58	172	118	95	60	4	41	28	47	124	0.019	**2LC0110-7AB ■ ■ -0AA0**	10.5
194	880	3800		75		65	194	135	108	70	4	44	30	50	144	0.036	**2LC0110-8AB ■ ■ -0AA0**	15
218	1340	3400		85		75	218	150	122	80	4	47	32	53	164	0.062	**2LC0111-0AB ■ ■ -0AA0**	21
245	2000	3000		90		85	245	150	138	90	4	52	38	61	184	0.10	**2LC0111-1AB ■ ■ -0AA0**	28
272	2800	2750	46	100		95	272	165	155	100	5	60	42	69	205	0.18	**2LC0111-2AB ■ ■ -0AA0**	40
305	3900	2450	49	110	54	105	305	180	172	110	5	65	42	73	225	0.28	**2LC0111-3AB ■ ■ -0AA0**	50
340	5500	2150	49	120	46	100	340	200	165	125	5	70	47	78	255	0.45	**2LC0111-4AB ■ ■ -0AA0**	72
					90	120			200							0.50		73
380	7700	2000	61	140	61	110	380	230	180	140	5	74	51	83	285	0.75	**2LC0111-5AB ■ ■ -0AA0**	100
					90	140			230							0.80		104
430	10300	1700	66	150	66	120	430	250	200	160	5	78	56	88	325	1.2	**2LC0111-6AB ■ ■ -0AA0**	135
					100	150			250							1.4		140
472	13500	1550	80	160	80	130	472	265	215	180	8	86	64	99	368	2.0	**2LC0111-7AB ■ ■ -0AA0**	174
					120	160			265							2.1		180
514	16600	1400	90	180	90	145	514	300	240	190	8	90	65	104	388	2.9	**2LC0111-8AB ■ ■ -0AA0**	220
					136	180			300							3.2		237
556	21200	1300	100	190	100	150	556	315	250	210	8	102	68	115	428	4.3	**2LC0112-0AB ■ ■ -0AA0**	281
					140	190			315							4.7		290

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• Without finished bore from size 340 for 2nd diameter range D2 – Without order codes	**2**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

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.

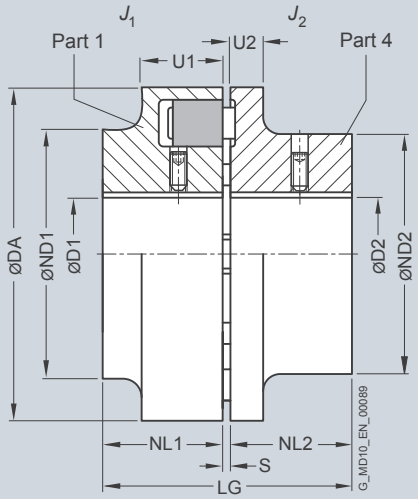
Weights and mass moments of inertia apply to maximum bore diameters.

Ordering example:
N-EUPEX ADS coupling, size 135,
Part 1: Bore D1 42H7 mm, keyway to DIN 6885 and set screw,
Part 2: Bore D2 32H7 mm, keyway to DIN 6885 and set screw.

Product code:
2LC0110-5AB99-0AA0
L0X+M0T

The product code applies to NBR standard flexibles; the product code for alternative flexible type is available on request.

Selection and ordering data



Size	Rated torque	Speed	Dimensions in mm Bore with keyway to DIN 6885												Mass moment of inertia	Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1/ NL2	S	U1	U2	LG	J_1/J_2		m
	Nm	rpm													kgm²		kg
66	19	7500		19		24	66	66	40	20	3	20	8	43	0.0001	**2LC0110-0AA ■ ■ -0AA0**	0.50
76	34	7000		24		28	76	76	50	20	3	20	8	43	0.0002	**2LC0110-1AA ■ ■ -0AA0**	0.65
88	60	6000		30		38	88	88	68	30	3	30	10	63	0.0006	**2LC0110-2AA ■ ■ -0AA0**	1.8
103	100	5500		42		42	103	76	76	35	3	30	12	73	0.0015	**2LC0110-3AA ■ ■ -0AA0**	3
118	160	5300		48		48	118	86	86	40	3	34	14	83	0.003	**2LC0110-4AA ■ ■ -0AA0**	3.7
135	240	5100		55		55	135	100	100	50	3	36	18	103	0.007	**2LC0110-5AA ■ ■ -0AA0**	6.1
152	360	4900		60		60	152	108	100	55	3	36	20	113	0.011	**2LC0110-6AA ■ ■ -0AA0**	7.0
172	560	4250		65		65	172	118	108	60	4	41	20	124	0.019	**2LC0110-7AA ■ ■ -0AA0**	11
194	880	3800		75		75	194	135	125	70	4	44	20	144	0.035	**2LC0110-8AA ■ ■ -0AA0**	17
218	1340	3400		85		85	218	150	140	80	4	47	24	164	0.06	**2LC0111-0AA ■ ■ -0AA0**	23
245	2000	3000		90		90	245	150	150	90	4	52	18	184	0.085	**2LC0111-1AA ■ ■ -0AA0**	27
272	2800	2750	46	100	46	100	272	165	165	100	5	60	18	205	0.15	**2LC0111-2AA ■ ■ -0AA0**	36
305	3900	2450	49	110	49	110	305	180	180	110	5	65	20	225	0.25	**2LC0111-3AA ■ ■ -0AA0**	47

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Weights and mass moments of inertia apply to maximum bore diameters.

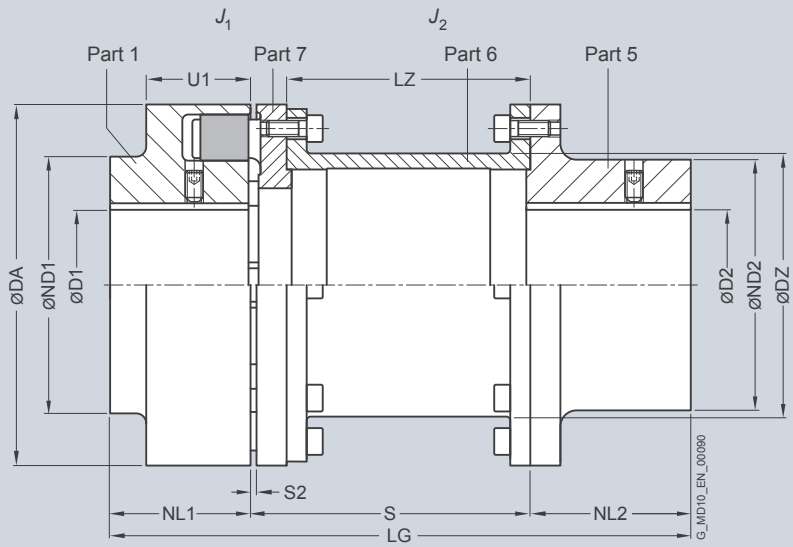
Ordering example:
N-EUPEX BDS coupling, size 103,
Part 1: Bore D1 42H7 mm, keyway to DIN 6885 and set screw,
Part 4: Bore D2 32H7 mm, keyway to DIN 6885 and set screw.

Product code:
2LC0110-3AA99-0AA0
L0X+M0T

The product code applies to NBR standard flexibles; the product code for alternative flexible type is available on request.

Type HDS

Selection and ordering data



For dimension U1, see type A

Size	Rated torque	Speed	Dimensions in mm Bore with keyway to DIN 6885														Mass moment of inertia		Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1 min.	D1 max.	D2 min.	D2 max.	DA	ND1	ND2	NL1	NL2	S2	S	LZ	DZ	LG	J_1	J_2		m
	Nm	rpm															kgm²	kgm²		kg
88	60	6000	30		32		88	88	55	30	45	5	100	87	51	175	0.0007	0.0014	**2LC0110-2AC ■ ■ -0AA0**	2.8
													140	127		215		0.0015	**2LC0110-2AC ■ ■ -0AB0**	2.9
103	100	5500	42		42		103	76	70	35	45	5	100	87	63	180	0.001	0.003	**2LC0110-3AC ■ ■ -0AA0**	4.0
													140	127		220		0.0033	**2LC0110-3AC ■ ■ -0AB0**	4.3
118	160	5300	48		48		118	86	80	40	50	5	100	85	73	190	0.003	0.006	**2LC0110-4AC ■ ■ -0AA0**	5.3
											50		140	125		230		0.0064	**2LC0110-4AC ■ ■ -0AB0**	5.7
											60		180	165		280		0.0068	**2LC0110-4AC ■ ■ -0AC0**	6.1
135	240	5100	55		55		135	100	90	50	50	5	100	85	85	200	0.006	0.01	**2LC0110-5AC ■ ■ -0AA0**	7.6
											50		140	125		240		0.01	**2LC0110-5AC ■ ■ -0AB0**	8.1
											60		180	165		290		0.012	**2LC0110-5AC ■ ■ -0AC0**	8.6
											70		200	185		320		0.012	**2LC0110-5AC ■ ■ -0AD0**	8.9
											80		250	235		380		0.013	**2LC0110-5AC ■ ■ -0AE0**	9.4
152	360	4900	60		60		152	108	100	55	65	5	100	82	91	220	0.011	0.02	**2LC0110-6AC ■ ■ -0AA0**	11.2
											65		140	122		260		0.02	**2LC0110-6AC ■ ■ -0AB0**	11.7
											65		180	162		300		0.022	**2LC0110-6AC ■ ■ -0AC0**	12.2
											65		200	182		320		0.023	**2LC0110-6AC ■ ■ -0AD0**	12.5
											80		250	232		385		0.024	**2LC0110-6AC ■ ■ -0AE0**	13.1
172	560	4250	65		65		172	118	108	60	70	6	100	81.5	111	230	0.019	0.03	**2LC0110-7AC ■ ■ -0AA0**	14.3
											70		140	121.5		270		0.034	**2LC0110-7AC ■ ■ -0AB0**	15.0
											70		180	161.5		310		0.036	**2LC0110-7AC ■ ■ -0AC0**	15.9
											70		200	181.5		330		0.037	**2LC0110-7AC ■ ■ -0AD0**	16.2
											80		250	231.5		390		0.039	**2LC0110-7AC ■ ■ -0AE0**	17.2
194	880	3800	75		75		194	135	125	70	80	6	140	121.5	131	290	0.037	0.058	**2LC0110-8AC ■ ■ -0AB0**	21
													180	161.5		330		0.062	**2LC0110-8AC ■ ■ -0AC0**	22
													200	181.5		350		0.064	**2LC0110-8AC ■ ■ -0AD0**	23
													250	231.5		400		0.069	**2LC0110-8AC ■ ■ -0AE0**	24
218	1340	3400	85		85		218	150	140	80	90	6	140	118.5	144	310	0.062	0.10	**2LC0111-0AC ■ ■ -0AB0**	30
													180	158.5		350		0.11	**2LC0111-0AC ■ ■ -0AC0**	31
													200	178.5		370		0.11	**2LC0111-0AC ■ ■ -0AD0**	32
													250	228.5		420		0.12	**2LC0111-0AC ■ ■ -0AE0**	33

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

Type HDS

Size	Rated torque	Speed	Dimensions in mm Bore with keyway to DIN 6885														Mass moment of inertia		Product code Order codes for bore diameters and tolerances are specified in catalog section 3	Weight
	T_{KN}	n_{Kmax}	D1		D2		DA	ND1	ND2	NL1	NL2	S2	S	LZ	DZ	LG	J_1	J_2		m
			min.	max.	min.	max.														
	Nm	rpm															kgm^2	kgm^2		kg
245	2000	3000		90		90	245	150	150	90	100	6	140	118.5	169	330	0.09	0.16	**2LC0111-1AC ■ ■ -0AB0**	35
													180	158.5		370		0.17	**2LC0111-1AC ■ ■ -0AC0**	36
													200	178.5		390		0.18	**2LC0111-1AC ■ ■ -0AD0**	37
													250	228.5		430		0.19	**2LC0111-1AC ■ ■ -0AE0**	39
272	2800	2750	46	100	46	100	272	165	165	100	110	8	180	152.5	185	390	0.16	0.3	**2LC0111-2AC ■ ■ -0AC0**	51
													200	172.5		410		0.31	**2LC0111-2AC ■ ■ -0AD0**	52
													250	222.5		460		0.33	**2LC0111-2AC ■ ■ -0AE0**	55
305	3900	2450	49	110	51	110	305	180	180	110	120	8	250	222.5	215	480	0.28	0.52	**2LC0111-3AC ■ ■ -0AE0**	74
340	5500	2150	49	120	51	120	340	200	200	125	140	8	250	222.5	250	515	0.50	0.87	**2LC0111-4AC ■ ■ -0AE0**	105
380	7700	1980	61	140	51	140	380	230	230	140	150	8	250	220.5	272	540	0.80	1.4	**2LC0111-5AC ■ ■ -0AE0**	130
430	10300	1700	66	150	51	150	430	250	250	160	180	8	250	185.5	310	590	1.4	2.5	**2LC0111-6AC ■ ■ -0AE0**	205
472	13500	1550	80	160	51	160	472	265	265	180	180	10	250	182	354	610	2.1	4.1	**2LC0111-7AC ■ ■ -0AE0**	235

ØD1:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**
ØD2:	• Without finished bore – Without order codes	**1**
	• With finished bore – With order codes for diameter and tolerance (product code without **-Z**)	**9**

During assembly, the gap dimension S2 must not exceed the permissible tolerance of +1 mm.

Weights and mass moments of inertia apply to maximum bore diameters.

Ordering example:
N-EUPEX HDS coupling, size 103, S3 = 100
Part 1: Bore D1 42H7 mm, keyway to DIN 6885-1 and set screw,
Part 5: Bore D2 32H7 mm, keyway to DIN 6885-1 and set screw.

Coupling micro-balanced G6.3 at 1500 rpm in accordance with the half parallel key standard.

Product code:
2LC0110-3AC99-0AA0-Z
L0X+M0T+W02

The product code applies to NBR standard flexibles; the product code for alternative flexible type is available on request.

Spare and wear parts

Selection and ordering data

Elastomer flexibles

The elastomer flexibles are wear parts. The service life depends on the operating conditions.

Elastomer flexibles of the N-EUPEX series

Size	Product code flexible set for one coupling NBR elastomer flexibles 80 ShoreA standard type	Number of flexibles per set	Weight per set kg
58	**2LC0100-0WA00-0AA0**	4	0.012
68	**2LC0100-1WA00-0AA0**	5	0.015
80	**2LC0100-2WA00-0AA0**	6	0.02
95	**2LC0100-3WA00-0AA0**	6	0.03
110	**2LC0100-4WA00-0AA0**	6	0.045
125	**2LC0100-5WA00-0AA0**	6	0.06
140	**2LC0100-6WA00-0AA0**	6	0.09
160	**2LC0100-7WA00-0AA0**	7	0.12
180	**2LC0100-8WA00-0AA0**	8	0.17
200	**2LC0101-0WA00-0AA0**	8	0.23
225	**2LC0101-1WA00-0AA0**	8	0.3
250	**2LC0101-2WA00-0AA0**	8	0.38
280	**2LC0101-3WA00-0AA0**	8	0.55
315	**2LC0101-4WA00-0AA0**	9	0.7
350	**2LC0101-5WA00-0AA0**	9	0.85
400	**2LC0101-6WA00-0AA0**	10	1.2
440	**2LC0101-7WA00-0AA0**	10	1.5
480	**2LC0101-8WA00-0AA0**	10	2.1
520	**2LC0102-0WA00-0AA0**	10	2.6
560	**2LC0102-1WA00-0AA0**	10	3.6
610	**2LC0102-2WA00-0AA0**	10	4.9
660	**2LC0102-3WA00-0AA0**	10	6.3
710	**2LC0102-4WA00-0AA0**	10	7.6

Elastomer flexibles of the N-EUPEX DS series

Size	Product code flexible set for one coupling NBR elastomer flexibles standard type	Number of flexibles per set	Weight per set kg
66	**2LC0110-0WA00-0AA0**	4	0.012
76	**2LC0110-1WA00-0AA0**	5	0.015
88	**2LC0110-2WA00-0AA0**	6	0.021
103	**2LC0110-3WA00-0AA0**	6	0.033
118	**2LC0110-4WA00-0AA0**	6	0.048
135	**2LC0110-5WA00-0AA0**	6	0.072
152	**2LC0110-6WA00-0AA0**	6	0.1
172	**2LC0110-7WA00-0AA0**	7	0.16
194	**2LC0110-8WA00-0AA0**	8	0.21
218	**2LC0111-0WA00-0AA0**	8	0.28
245	**2LC0111-1WA00-0AA0**	8	0.45
272	**2LC0111-2WA00-0AA0**	8	0.64
305	**2LC0111-3WA00-0AA0**	8	0.72
340	**2LC0111-4WA00-0AA0**	9	0.92
380	**2LC0111-5WA00-0AA0**	9	1.2
430	**2LC0111-6WA00-0AA0**	10	1.6
472	**2LC0111-7WA00-0AA0**	10	2.0
514	**2LC0111-8WA00-0AA0**	10	2.5
556	**2LC0112-0WA00-0AA0**	10	3.2

Flexibles of sizes 66 to 272 are of the compound type with a hard core and soft thrust pieces. Sizes 305 to 556 are completely made of 90 ShoreA NBR material.