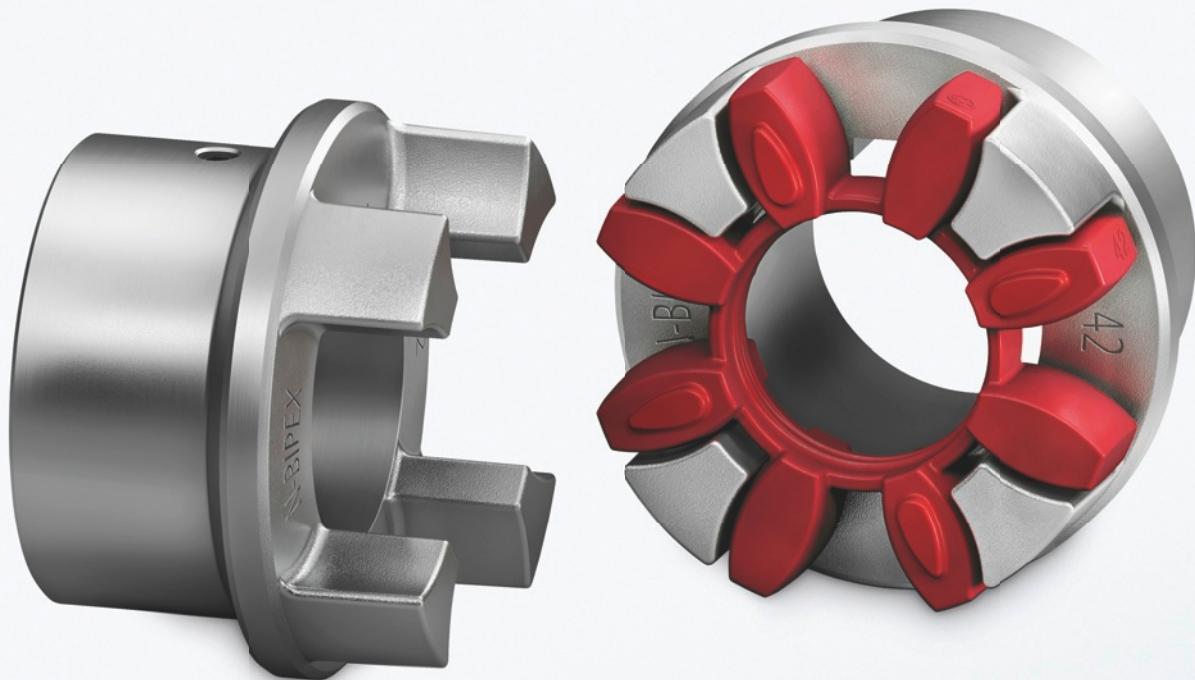


SIEMENS



FLENDER Standard Couplings

N-BIPEX

FLENDER couplings

Catalog
MD 10.1 N

Edition
October
2016

Related catalogs

ARPEX High Performance Couplings	MD 10.2		Bucket Elevator Drives	MD 20.2	
E86060-K5710-A121-A1-7600			E86060-K5720-A121-A3-6300		
SIPEX and BIPEX-S Backlash-free Couplings	MD 10.3		PLANUREX 2 Planetary Gear Units	MD 20.3	
E86060-K5710-A131-A1-7600			E86060-K5720-A131-A2-6300		
ARPEX Composite Couplings	MD 10.5		Paper Machine Drives	MD 20.5	
E86060-K5710-A151-A2-7400			E86060-K5720-A151-A2-6300		
ARPEX Couplings Miniature	MD 10.10		Conveyor Drives	MD 20.6	
E86060-K5710-A211-A2-6300			E86060-K5720-A161-A2-6300		
ARPEX Torque Limiters	MD 10.11		Marine Reduction Gearboxes	MD 20.7	
E86060-K5710-A221-A2-7400			E86060-K5720-A171-A1-7400		
FLENDER SIP Standard Industrial Planetary Gear Units	MD 31.1		DUORED 2 Helical Gear Units, Load-sharing	MD 20.8	
E86060-K5731-A111-A5-7600			E86060-K5720-A181-A1-6300		
Gear Units Sizes 3–22	MD 20.1		Pinion Drive for Tube Mills	MD 20.9	
E86060-K5720-A111-A2-6300			E86060-K5720-A191-A1-7400		
Gear Units Sizes 23–28	MD 20.11		SIMOGEAR Geared Motors	MD 50.1	
E86060-K5720-A211-A3-6300			E86060-K5250-A111-A4-7600		
Gear Units Fast Track	MD 20.12		Industry Mall Information and Ordering Platform in the Internet:		
E86060-K5720-A221-A1-6300			www.siemens.com/industrymall		

Flexible Couplings N-BIPEX Series



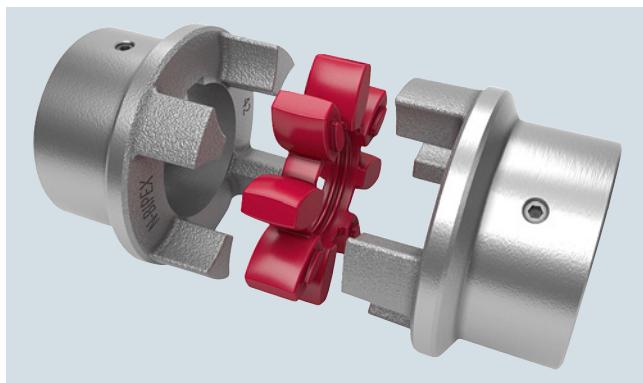
9/2	<u>Overview</u>
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FLENDER Standard Couplings

Flexible Couplings – N-BIPEX Series

General

Overview



N-BIPEX couplings are torsionally flexible and are outstanding for their particularly compact design and low weight.

N-BIPEX couplings are used in many areas of mechanical engineering.

Their main area of use is in electric motor drives which are well aligned and have uniform torque loads, such as in hydraulic applications and in combinations with geared motors.

Benefits

N-BIPEX couplings are suitable for horizontal, vertical and freely selectable mounting positions. They are able to absorb axial, radial and angular misalignment.

N-BIPEX couplings consist of two identical hub parts which can be arranged as required on the shaft extensions to be connected. N-BIPEX couplings transmit the torque positively and are thus fail-safe. The curved design of the cast cams ensures that the N-BIPEX couplings have a perfect pressure distribution and this increases the elastomer lifetime.

The flexible cam rings responsible for torque transmission and misalignment compensation are available in different Shore hardnesses. As a result of the good damping capability and by selecting the suitable stiffness, torque shock loads can thus be absorbed and the torsional vibration behavior of the drive can be positively influenced. Different cam ring versions and ready-to-install hub parts are available from stock.

Application



The N-BIPEX coupling is available as a catalog standard in 10 sizes with rated torques of between 12 Nm and 4650 Nm and is made of high-grade spheroidal graphite cast iron.

The extremely high-performance cam ring materials are available from stock in three different Shore hardnesses with the following colors:

- 92 ShoreA – red
- 95 ShoreA – green
- 64 ShoreD – blue



An additional size marking has been provided on the outer surface of the cam ring to be able to determine the size of the N-BIPEX even when it is in the assembled state without having to use any additional aids.

The coupling is suitable for use at ambient temperatures between -50 °C and +100 °C without any restrictions on the rated torque as a result of temperature factors.

Coupling suitable for use in potentially explosive atmospheres.

Complies with the current ATEX Directive for:

-50 °C ≤ T_a ≤ +100 °C X

-50 °C ≤ T_a ≤ +90 °C X

-50 °C ≤ T_a ≤ +100 °C X

Function

The torque is transmitted to the hub at the drive end via the shaft-hub connection, which is mostly designed as a keyway connection, and is transmitted to the hub on the output side via the cam ring. This hub then further transmits the torque to the driven machine or a gear unit placed in between. The special cam ring design helps to keep the compression-loaded cam ring ele-

ments in their defined position under all operating conditions and to keep them evenly loaded. This results in a long lifetime of the flexible elements. A long lifetime is also guaranteed by the hub parts which ensure maximum operational reliability even under harsh operating conditions.

Design

The N-BIPEX coupling of type BWN comprises two identical hub parts connected by a cam ring of elastomer material.

The hubs are connected to the respective shafts via finished bores with parallel keyway connection or Taper clamping bushes.

N-BIPEX couplings are positive-locking and torsionally flexible thanks to the thermoplastic polyurethane cam ring.

Coupling materials

Hubs:

EN-GJS-400-15

Cam ring:

- TPU 92 ShoreA -50 °C to +100 °C without any restrictions
- TPU 95 ShoreA -50 °C to +100 °C without any restrictions
- TPU 64 ShoreD -50 °C to +100 °C without any restrictions

Types of N-BIPEX coupling

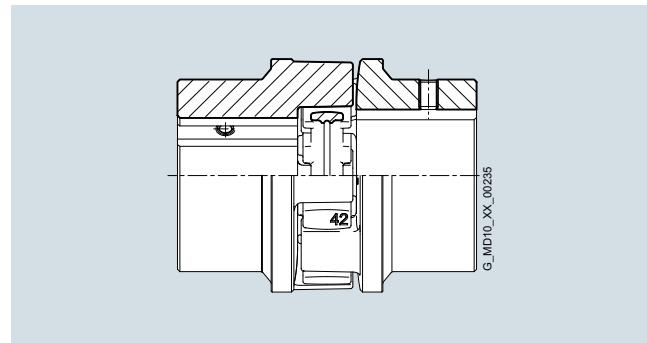
Type	Description
BWN	Coupling as a shaft-to-shaft connection with drilled and grooved hubs
BWT	Coupling as a shaft-shaft connection with Taper clamping bushes
BNT	Coupling as a shaft-shaft connection with drilled and grooved hubs and a Taper clamping bush

The coupling comprises the following:

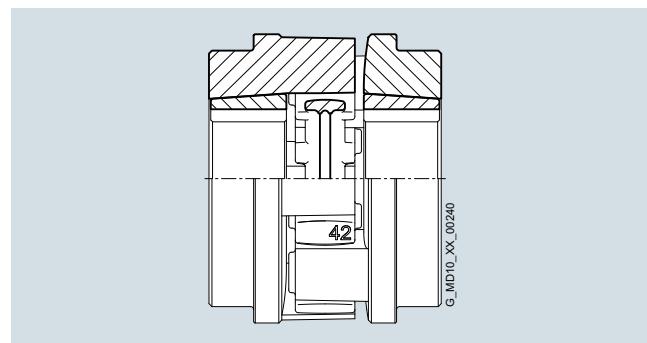
- Cam ring
- 2 hub parts with identical cams. The hub parts are designed with a bore and keyway to DIN 6885-1 or with a taper bore for mounting a Taper clamping bush.

Fitting the clamping bush connects the hub firmly to the machine shaft.

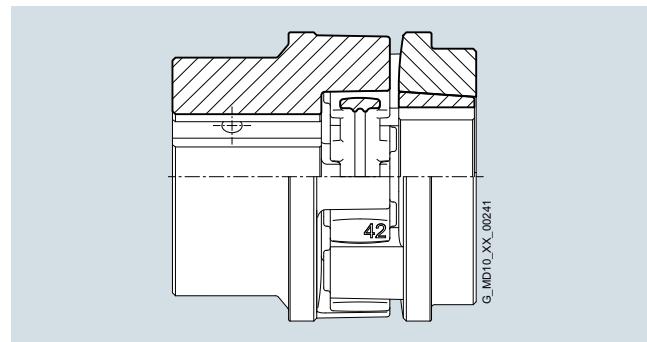
In the case of part 4 the Taper clamping bush is inserted from the machine housing side. If there is insufficient space, the Taper clamping bush cannot be fitted from this side. Besides space for fitting the Taper clamping bush, space for the fitting tool (offset screwdriver) must be taken into consideration. In the case of part 3 the Taper clamping bush is inserted from the shaft end face side. The hub must be fitted before the machines to be connected are pushed together.



Type BWN



Type BWT



Type BNT

Size	Un-drilled	Preferred bores part 1/2 from stock with cylindrical finished bores Ø in mm H7, parallel keyway according to DIN 6885-1 JS9																				
19		10	11	12	14	15	16	17	18	19	20	22	24	25	28	30	32	35	38	40	42	
24																						55
28																						60
38																						65
42																						70
48																						75
55																						80
65																						85
75																						90
90																						100
																						110
																						120

Preferred bores

FLENDER Standard Couplings

Flexible Couplings – N-BIPLEX Series

General

Technical specifications

Cam rings

Cam rings of polyurethane 92 ShoreA (standard)

Size	Rated torque	Maximum torque	Fatigue torque	Maximum speed V ≤ 45 m/s	Damping coefficient Ψ	Torsional stiffness at 50 % capacity utilization	Permitted shaft misalignment at ¹⁾		
	T_{KN} Nm	T_{Kmax} Nm	T_{KW} Nm	n_{max} rpm		C_{Tdyn} 50 % Nm/rad	< 10 Hz	n = 1500 rpm	
							ΔK_a mm	ΔK_r mm	ΔK_w degrees
19	12	36	2	19500	1.4	530	0.30	0.17	0.5
24	45	135	7	14500	1.4	1790	0.40	0.23	0.5
28	95	285	14	12500	1.4	3060	0.50	0.25	0.5
38	190	570	29	10000	1.4	6500	0.60	0.29	0.5
42	265	795	40	8500	1.4	8200	0.70	0.34	0.5
48	330	990	50	7500	1.4	10000	0.80	0.38	0.5
55	460	1380	70	6500	1.4	14500	0.90	0.40	0.5
65	670	2010	100	6000	1.4	25600	1.00	0.45	0.5
75	1400	4200	210	5000	1.4	37400	1.20	0.52	0.5
90	2500	7500	375	4000	1.4	62700	1.40	0.60	0.5

Cam rings of polyurethane 95 ShoreA (ordering option -Z and order code K01)

Size	Rated torque	Maximum torque	Fatigue torque	Maximum speed V ≤ 45 m/s	Damping coefficient Ψ	Torsional stiffness at 50 % capacity utilization	Permitted shaft misalignment at ¹⁾		
	T_{KN} Nm	T_{Kmax} Nm	T_{KW} Nm	n_{max} rpm		C_{Tdyn} 50 % Nm/rad	< 10 Hz	n = 1500 rpm	
							ΔK_a mm	ΔK_r mm	ΔK_w degrees
19	18	54	3	19500	1.4	1130	0.27	0.15	0.4
24	65	195	10	14500	1.4	4240	0.36	0.21	0.4
28	160	480	25	12500	1.4	8050	0.45	0.23	0.4
38	325	975	50	10000	1.4	14100	0.54	0.26	0.4
42	450	1350	70	8500	1.4	16200	0.63	0.31	0.4
48	550	1650	85	7500	1.4	23300	0.72	0.34	0.4
55	700	2100	105	6500	1.4	28500	0.81	0.36	0.4
65	1000	3000	150	6000	1.4	35000	0.90	0.41	0.4
75	2000	6000	300	5000	1.4	66300	1.08	0.47	0.4
90	3700	11100	555	4000	1.4	105000	1.26	0.54	0.4

Cam rings of polyurethane 64 ShoreD (ordering option -Z and order code K04)

Size	Rated torque	Maximum torque	Fatigue torque	Maximum speed V ≤ 45 m/s	Damping coefficient Ψ	Torsional stiffness at 50 % capacity utilization	Permitted shaft misalignment at ¹⁾		
	T_{KN} Nm	T_{Kmax} Nm	T_{KW} Nm	n_{max} rpm		C_{Tdyn} 50 % Nm/rad	< 10 Hz	n = 1500 rpm	
							ΔK_a mm	ΔK_r mm	ΔK_w degrees
19	25	75	5	19500	1.4	2010	0.24	0.14	0.3
24	90	270	15	14500	1.4	7680	0.32	0.18	0.3
28	200	600	30	12500	1.4	12200	0.40	0.20	0.3
38	405	1215	60	10000	1.4	25100	0.48	0.23	0.3
42	560	1680	84	8500	1.4	32000	0.56	0.27	0.3
48	700	2100	105	7500	1.4	41200	0.64	0.30	0.3
55	925	2775	140	6500	1.4	52600	0.72	0.32	0.3
65	1200	3600	180	6000	1.4	86700	0.80	0.36	0.3
75	2600	7800	390	5000	1.4	143000	0.96	0.42	0.3
90	4650	13950	700	4000	1.4	234000	1.12	0.48	0.3

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 frequency 10 Hz and an ambient temperature of 20 °C. The dynamic torsional stiffness (C_{Tdyn}) is load-dependent and increases in proportion to capacity utilization. The following table shows the correction factors for different nominal load.

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

Correction factor FKC	Capacity utilization T_N / T_{KN}						
	20 %	40 %	50 %	60 %	70 %	80 %	100 %
92/95 ShoreA and 64 ShoreD	0.56	0.85	1.00	1.17	1.35	1.53	1.92

Furthermore, torsional stiffness and damping depend on the ambient temperature, the frequency and the 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 C_{Tdyn} . For this reason calculation must be made with a tolerance for the dynamic stiffness of ±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.

¹⁾ The maximum speed must be observed. Please refer to the Operating Instructions for further information on permitted shaft misalignment.

FLENDER Standard Couplings

Flexible Couplings – N-BIPEX Series

General

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 depending on the respective coupling size and type must be observed!

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

	Speed in rpm			
	500	1000	1500	3000
Correction factor FKV	1.20	1.10	1.00	0.70

The axial misalignment may occur dynamically at frequencies up to 10 Hz. For fitting, the maximum gap dimension of $S_2 \text{ max.} = S_2 + \Delta S_2$ and the minimum gap dimension of $S_2 \text{ min.} = S_2 - \Delta S_2$ are permitted.

The shaft misalignments ΔK_a , ΔK_r and ΔK_w may occur simultaneously (see Catalog MD 10.1, page 2/2).

Assignment of N-BIPEX sizes to output P_M of IEC standard motors

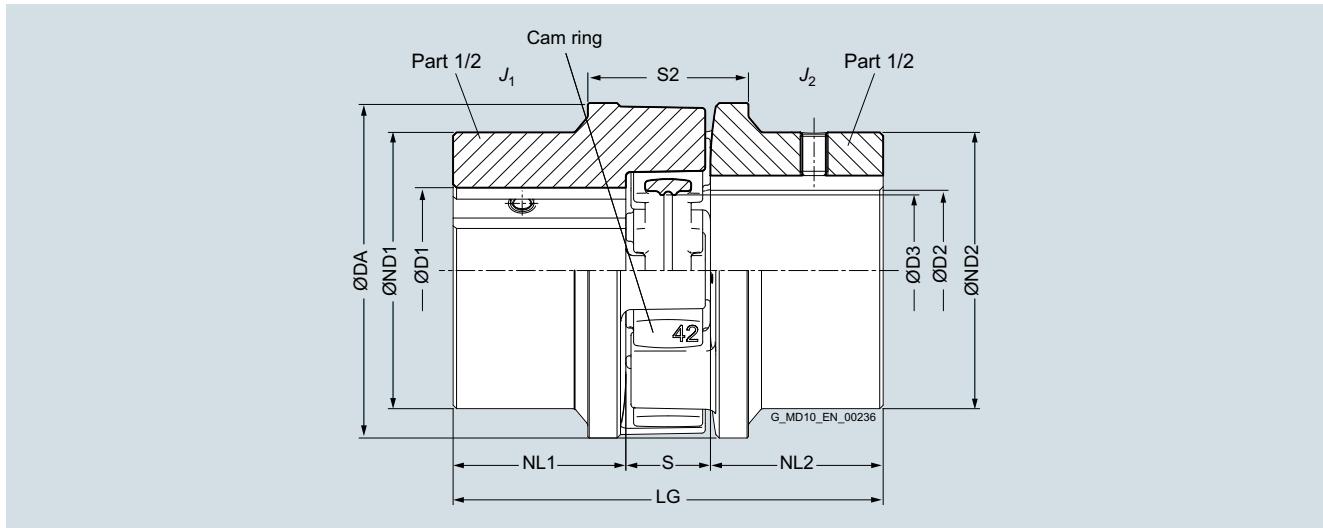
The assignment applies for an service factor of 1.25 and the use of a standard cam ring (92 ShoreA).

Three-phase motor	Motor	N-BIPEX coupling	Motor	N-BIPEX coupling	Motor	N-BIPEX coupling	Motor	N-BIPEX coupling	DE shaft end D x E acc. to IEC					
Size	Output at ≈ 3000 rpm	Size	Output at ≈ 1500 rpm	Size	Output at ≈ 1000 rpm	Size	Output at ≈ 750 rpm	Size						
	P_M kW	T Nm	P_M kW	T Nm	P_M kW	T Nm	P_M kW	T Nm	D mm					
80	0.75	2.5	19	0.55	3.7	19	0.37	3.9	19	0.18	2.5	19	19	40
	1.1	3.7	19	0.75	5.1	19	0.55	5.8	19	0.25	3.5	19	19	40
90S	1.5	5	19	1.1	7.5	19	0.75	8	19	0.37	5.3	19	19	40
	1.5	5	19	1.1	7.5	19	0.75	8	19	0.37	5.3	19	24	50
90L	2.2	7.4	19	1.5	10	24	1.1	12	24	0.55	7.9	24	19	40
	2.2	7.4	19	1.5	10	24	1.1	12	24	0.55	7.9	24	24	50
100L	3	9.8	24	2.2	15	24	1.5	15	24	0.75	11	24	28	60
				3	20	24	1.5	15	24	1.1	16	24	28	60
112M	4	13	24	4	27	24	2.2	22	24	1.5	21	24	28	60
132S	5.5	18	28	5.5	36	28	3	30	28	2.2	30	28	38	80
				7.5	25	28							38	80
132M				7.5	49	28	4	40	28	3	40	28	38	80
							5.5	55	28				38	80
160M	11	36	38	11	72	38	7.5	75	38	4	54	38	42	110
	15	49	38							5.5	74	38	42	110
160L	18.5	60	38	15	98	38	11	109	38	7.5	100	38	42	110
180M	22	71	38	18.5	121	38							48	110
180L				22	144	38	15	148	42	11	145	42	48	110
200L	30	97	42	30	196	42	18.5	181	42	15	198	42	55	110
	37	120	42				22	215	42				55	110
225S				37	240	48				18.5	244	48	60	140
225M	45	145	42				45	292	55	22	290	55	55	110
													60	140
250M	55	177	48				55	356	55	37	361	55	60	140
													65	140
280S	75	241	55				75	484	65	45	438	65	65	140
280M	90	289	55				90	581	75	55	535	75	65	140
315S	110	353	55				110	707	75	75	727	75	65	140
315M	132	423	65				132	849	75	90	873	75	75	170
315L	160	513	65				160	1030	75	110	1070	75	65	140
	200	641	75				200	1290	90	132	1280	90	65	140
										160	1550	90	85	170
315	250	802	75				315	1010	90	200	1930	90	65	140
										250	1600	90	85	170
355	355	1140	90				400	1280	90				75	140
	400	1600	90				500	1600	90				75	140
400	560	1790	90										80	170

FLENDER Standard Couplings

Type BWN

Selection and ordering data



Ordering example:

N-BIPEX coupling BWN, size 42,
Part 1/2: Bore D1 42 H7 mm, with keyway to DIN 6885-1 and set screw,
Part 1/2: Bore D2 32 H7 mm, with keyway to DIN 6885-1 and set screw

Article No.:

Article No.:
2LC0160-4AA99-0AA0
L0X+MOT

The Article No. applies to standard cam rings of 92 ShoreA

1) Mass moments of inertia apply to a coupling half with maximum bore diameter.

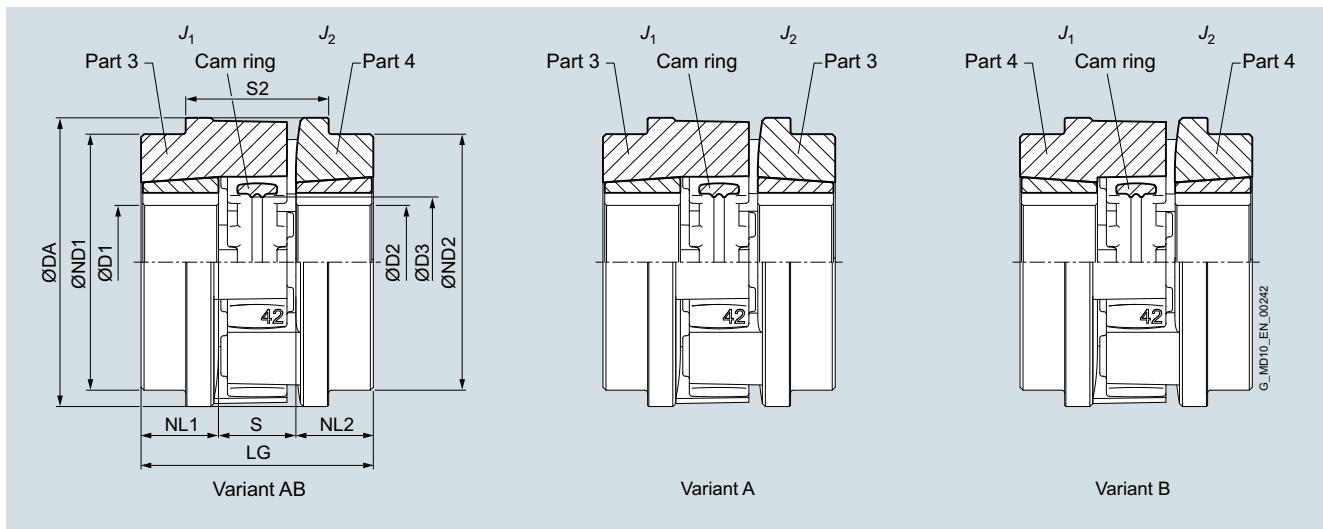
²⁾ Weights apply to the entire coupling in version with maximum bore.

FLENDER Standard Couplings

Flexible Couplings – N-BIPEX Series

Type BWT

Selection and ordering data



Size	Taper clamping bush ⁵⁾	Rated torque	Rated torque ⁴⁾	Speed n_{max}	Dimensions in mm									Mass moment of inertia ¹⁾	Article No. Order codes for bore diameter and tolerances (see catalog MD 10.1, section 3)	Weight ²⁾
	T_{KN}	T_{KN}			DA	ND1/ ND2	NL1/ NL2	D3	S	S2	$\Delta S2$	LG	J_1/J_2			
	Size	92 ShoreA	95 ShoreA		D1/D2											m
24	1008	45	65	14500	10 ... 25	57	54	23	25	18	37	1.5	64	0.00015	2LC0160-1A ■■■■■-0AA0	0.6
28	1108	95	160	12500	10 ... 28	67	58	23	28	20	41	1.0	66	0.00025	2LC0160-2A ■■■■■-0AA0	0.8
38	1108	190	325	10000	10 ... 28	82	58	23	36	24	45	1.5	70	0.00050	2LC0160-3A ■■■■■-0AA0	1.2
42	1610	265	450	8500	14 ... 42	97	86	26	43	26	48	1.5	78	0.0013	2LC0160-4A ■■■■■-0AA0	1.8
48	1615	330	550	7500	14 ... 42	107	80	39	48	28	50	2.0	106	0.002	2LC0160-5A ■■■■■-0AA0	2.6
55	2012	460	700	6500	14 ... 50	123	100	33	57	30	60	2.0	96	0.004	2LC0160-6A ■■■■■-0AA0	3.5
65	2012	670	1000	6000	14 ... 50	138	100	33	64	35	65	2.5	101	0.006	2LC0160-7A ■■■■■-0AA0	4.5
	2517³⁾				55 ... 60		118	46					127	0.008		5.5
75	2517	1400	2000	5000	16 ... 60	163	118	46	76	40	75	2.5	132	0.015	2LC0160-8A ■■■■■-0AA0	7.7
	3020³⁾				65 ... 75		142	52					144	0.017		8.0
90	3020	2500	3700	4000	25 ... 75	205	142	52	95	45	85	3.0	149	0.037	2LC0161-0A ■■■■■-0AA0	12.9
	3535³⁾				80 ... 90		170	90					225	0.06		19.8

Variant:	• A	B
	• B	C
	• AB	D
ØD1:	• Without Taper clamping bush – Without order codes for diameter and tolerance	1
	• With Taper clamping bush – With order codes for diameter and tolerance (Article No. without "-Z")	9
ØD2:	• Without Taper clamping bush – Without order codes for diameter and tolerance	1
	• With Taper clamping bush – With order codes for diameter and tolerance (Article No. without "-Z")	9
Cam ring	• 92 ShoreA (red)	-Z K01
	• 95 ShoreA (green)	-Z K04
	• 64 ShoreD (blue)	

Ordering example:

N-BIPEX coupling BWT, size 42, variant AB

Part 3: Taper clamping bush, size 1610,

bore D1 38 H7 mm, with keyway to DIN 6885-1,

Part 4: Taper clamping bush, size 1610,

bore D2 32 H7 mm, with keyway to DIN 6885-1

Article No.:

2LC0160-4AD99-0AA0

L0V+MOT

Article No. applies to standard cam rings with 92 ShoreA.

¹⁾ Mass moments of inertia apply to a coupling half without Taper clamping bushes.

²⁾ Weights apply to the entire coupling in version without Taper clamping bushes.

³⁾ Version Taper clamping bushes only available in part 4.

⁴⁾ T_{Kmax} of cam ring 95 ShoreA is limited to $2 \times T_{KN}$ for types BWT and BNT, contrary to table on page 9/4.

If cam ring 64 ShoreD is used, the same torque values apply as for cam ring 95 ShoreA.

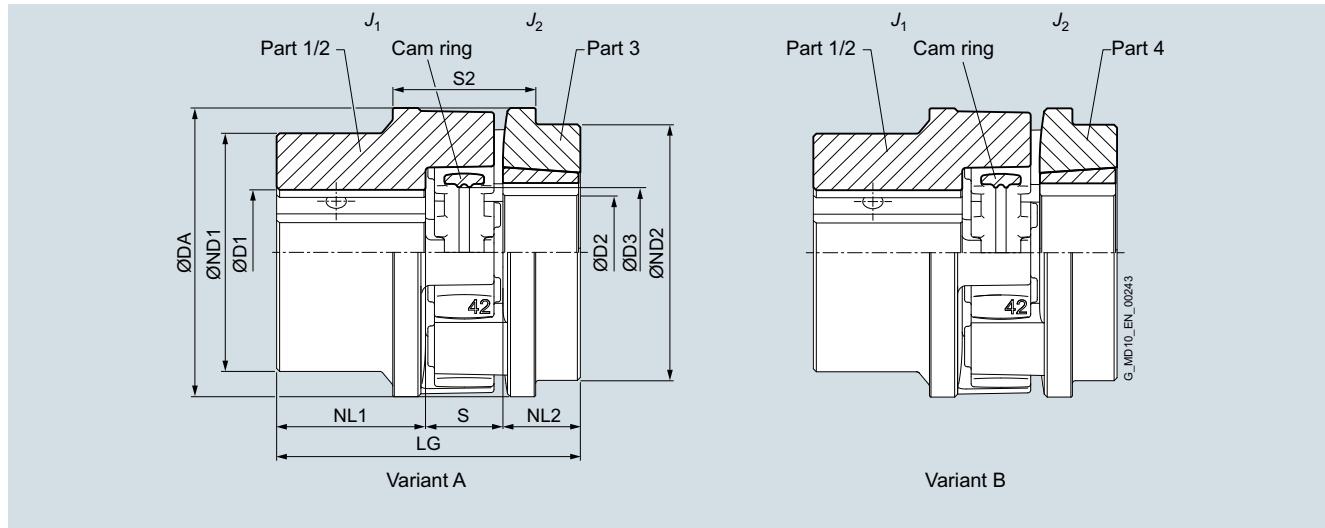
⁵⁾ Bores partly with shallow keyway, see catalog MD 10.1, section 14.

FLENDER Standard Couplings

Flexible Couplings – N-BIPEX Series

Type BNT

Selection and ordering data



Size	Taper clamping bush ⁵⁾	Rated torque ⁴⁾ T_{KN}	Rated torque ⁴⁾ T_{KN}	Speed n_{max}	Dimensions in mm	Bore with keyway to DIN 6885-1	Mass moment of inertia ¹⁾						Article No. Order codes for bore diameter and tolerances (see catalog MD 10.1, section 3)	Weight ²⁾ kg							
							D1	D2	DA	ND1	ND2	NL1	NL2	D3	S	S2	AS2	LG	J1	J2	
24	1008	45	65	14500	0 ... 35	10 ... 25	57	50	54	30	23	25	18	37	1.5	71	0.00015	0.00015	2LC0160-1A	■■■■■-0AA0	0.6
28	1108	95	160	12500	0 ... 40	10 ... 28	67	58	58	35	23	28	20	41	1.0	78	0.0003	0.0002	2LC0160-2A	■■■■■-0AA0	0.8
38	1108	190	325	10000	0 ... 48	10 ... 28	82	68	58	45	23	36	24	45	1.5	92	0.0009	0.0005	2LC0160-3A	■■■■■-0AA0	1.4
42	1610	265	450	8500	0 ... 55	14 ... 42	97	80	86	50	26	43	26	48	1.5	102	0.002	0.0013	2LC0160-4A	■■■■■-0AA0	2.3
48	1615	330	550	7500	0 ... 62	14 ... 42	107	90	80	56	39	48	28	50	2.0	123	0.003	0.002	2LC0160-5A	■■■■■-0AA0	3.2
55	2012	460	700	6500	0 ... 75	14 ... 50	123	105	100	65	33	57	30	60	2.0	128	0.006	0.004	2LC0160-6A	■■■■■-0AA0	4.4
65	2012	670	1000	6000	0 ... 82	14 ... 50	138	115	100	75	33	64	35	65	2.5	143	0.011	0.006	2LC0160-7A	■■■■■-0AA0	6.0
	2517 ³⁾				55 ... 60				118							156	0.011	0.008			6.5
75	2517	1400	2000	5000	0 ... 96	16 ... 60	163	135	118	85	46	76	40	75	2.5	171	0.023	0.014	2LC0160-8A	■■■■■-0AA0	9.4
	3020 ³⁾				65 ... 75				142							177	0.023	0.016			9.6
90	3020	2500	3700	4000	0 ... 120	25 ... 75	205	170	142	100	52	95	45	85	3.0	197	0.065	0.036	2LC0161-0A	■■■■■-0AA0	17.2
	3535 ³⁾				80 ... 90				170							235	0.065	0.06			20.7
Variant:		<ul style="list-style-type: none"> • A • B 														E	F				
$\varnothing D1$:		<ul style="list-style-type: none"> • Without finished bore – Without order codes for diameter and tolerance • With finished bore – With order codes for diameter and tolerance (Article No. without "-Z") 														1	9				
$\varnothing D2$:		<ul style="list-style-type: none"> • Without Taper clamping bush – Without order codes for diameter and tolerance • With Taper clamping bush – With order codes for diameter and tolerance (Article No. without "-Z") 														1	9				
Cam ring		<ul style="list-style-type: none"> • 92 ShoreA (red) • 95 ShoreA (green) • 64 ShoreD (blue) 														-Z K01	-Z K04				

Ordering example:

N-BIPEX coupling BNT, size 42, variant B

Part 1/2: Bore D1 42 H7 mm, with keyway to DIN 6885-1 and set screw,

Part 4: With Taper clamping bushes, size 1610, bore D2 32 H7 mm, with keyway to DIN 6885-1

Article No.:

2LC0160-4AF99-0AA0
L0X+MOT

Article No. applies to standard cam rings with 92 ShoreA.

¹⁾ Mass moments of inertia apply to a coupling half with maximum bore diameter and without Taper clamping bushes.

²⁾ Weights apply to the entire coupling in version without Taper clamping bushes.

³⁾ Version Taper clamping bushes only available in part 4.

⁴⁾ T_{Kmax} of cam ring 95 ShoreA is limited to $2 \times T_{KN}$ for types BWT and BNT, contrary to table on page 9/4.

If cam ring 64 ShoreD is used, the same torque values apply as for cam ring 95 ShoreA.

⁵⁾ Bores partly with shallow keyway, see catalog MD 10.1, section 14.

Selection and ordering data

Size	Article No. N-BIPEX cam ring			Weight kg
	92 ShoreA	95 ShoreA	64 ShoreD	
19	2LC0160-0WA00-0AA0	2LC0160-0WA00-0AA0-Z K01	2LC0160-0WA00-0AA0-Z K04	0.006
24	2LC0160-1WA00-0AA0	2LC0160-1WA00-0AA0-Z K01	2LC0160-1WA00-0AA0-Z K04	0.02
28	2LC0160-2WA00-0AA0	2LC0160-2WA00-0AA0-Z K01	2LC0160-2WA00-0AA0-Z K04	0.03
38	2LC0160-3WA00-0AA0	2LC0160-3WA00-0AA0-Z K01	2LC0160-3WA00-0AA0-Z K04	0.04
42	2LC0160-4WA00-0AA0	2LC0160-4WA00-0AA0-Z K01	2LC0160-4WA00-0AA0-Z K04	0.07
48	2LC0160-5WA00-0AA0	2LC0160-5WA00-0AA0-Z K01	2LC0160-5WA00-0AA0-Z K04	0.09
55	2LC0160-6WA00-0AA0	2LC0160-6WA00-0AA0-Z K01	2LC0160-6WA00-0AA0-Z K04	0.1
65	2LC0160-7WA00-0AA0	2LC0160-7WA00-0AA0-Z K01	2LC0160-7WA00-0AA0-Z K04	0.2
75	2LC0160-8WA00-0AA0	2LC0160-8WA00-0AA0-Z K01	2LC0160-8WA00-0AA0-Z K04	0.4
90	2LC0161-0WA00-0AA0	2LC0161-0WA00-0AA0-Z K01	2LC0161-0WA00-0AA0-Z K04	0.6

The cam rings of the N-BIPEX coupling are wear parts.
The service life depends on the operating conditions.

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