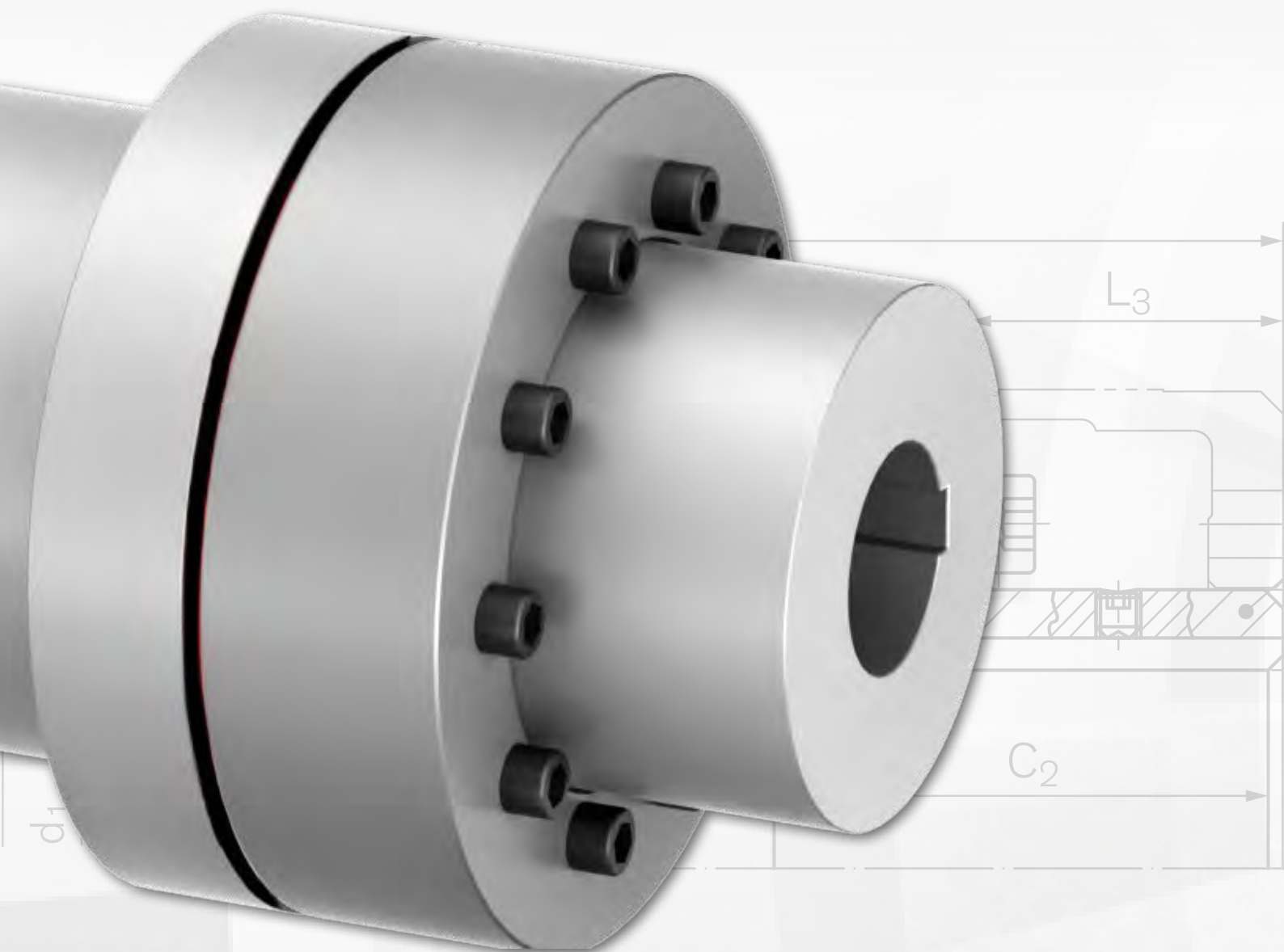


Elastomer Jaw Couplings



Elastomer Jaw Couplings RINGFEDER® TNM

RINGFEDER® TNM jaw couplings can be used universally in general engineering and are primarily utilised as drive and output couplings for gears, in pumps and screw compressor drives as well as in combined heat and power plants.

Characteristics · Advantages

- Torsionally flexible
- Damping of torsional vibrations
- Blind connection
- Many variations with modular design
- Individual elastomers joined to one intermediate ring
- Max. Torque: 27 – 97500 Nm
- Easy replacement of elastomers

Basic information

Intermediate rings are available in two different material hardness levels (Pb72 and Pb82) for each coupling size. The harder the intermediate ring the higher the transmittable torque but also the higher the torsion spring stiffness. The nominal torque given in the data table for the T_{KN} coupling can be transmitted continuously. The maximum coupling torque T_{Kmax} can be transmitted briefly up to 10^5 times, for example as occurs during start-up.

When the hard elastic element of Pb82 is used for multi-part coupling designs, it has to be taken into account that the maximum

transmittable torque (T_{KGmax}) is reduced. In these cases, T_{Kmax} is limited by the frictional engagement between the coupling hub and the claw ring.

Torsional vibration analyses (TVR) are performed by specialists to optimize the drive line. To this purpose, a detailed description of the oscillatory system is required, including the mechanical arrangement (spring-mass system) as well as the plant-related excitation functions. The specific coupling data such as stiffness, damping and mass moments of inertia will be supplied on request.

Size	Speed 1/min n_{max}	Torque with intermediate ring				
		Nm Pb72		Nm Pb82		
		T_{KN}	T_{Kmax}	T_{KN}	T_{Kmax}	T_{KGmax}
50	5000	13	27	20	45	-
67	5000	22	45	35	75	-
82	5000	48	100	75	160	150
97	5000	96	200	150	340	210
112	5000	150	310	230	540	540
128	5000	250	500	380	860	650
148	4500	390	800	600	1350	1350
168	4000	630	1300	980	2250	1800
194	3500	1050	2000	1650	3630	2400
214	3000	1500	3100	2400	5400	4200
240	2750	2400	4800	3700	8650	6200
265	2500	3700	7500	5800	13500	8300
295	2250	4900	10000	7550	18000	10500
330	2000	6400	13000	9900	23400	14500
370	1750	8900	18200	14000	32750	20000
415	1500	13200	27000	20500	49000	27000
480	1400	18000	36000	28000	66000	66000
575	1200	27000	54000	41000	97500	97500

T_{KN} = Nominal torque of coupling

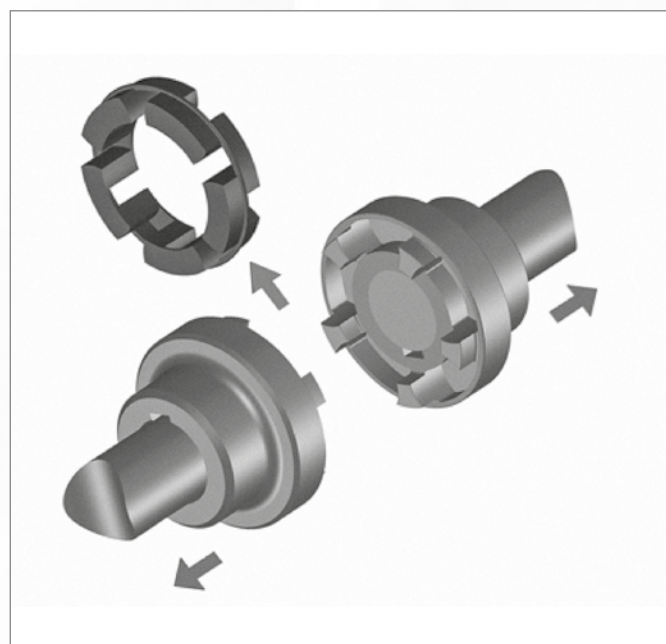
T_{Kmax} = Max. torque of the coupling by one part design

T_{KGmax} = Max. torque of the coupling by multi-part design



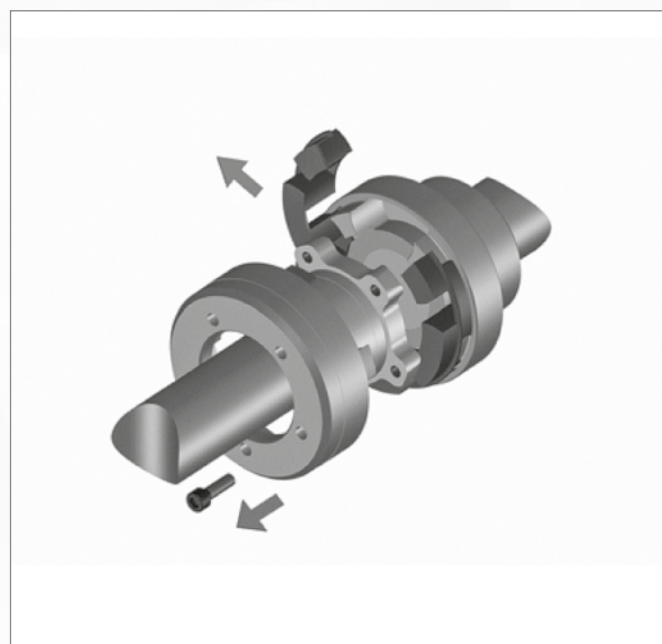
Principle of the one-part design

Elastic elements replacement requires extensive dismounting operations as the driving and driven machines have to be moved axially.



Principle of the multi-part design

Elastic elements replacement only requires a minimum of work and the driving and driven machines do not need to be axially displaced.



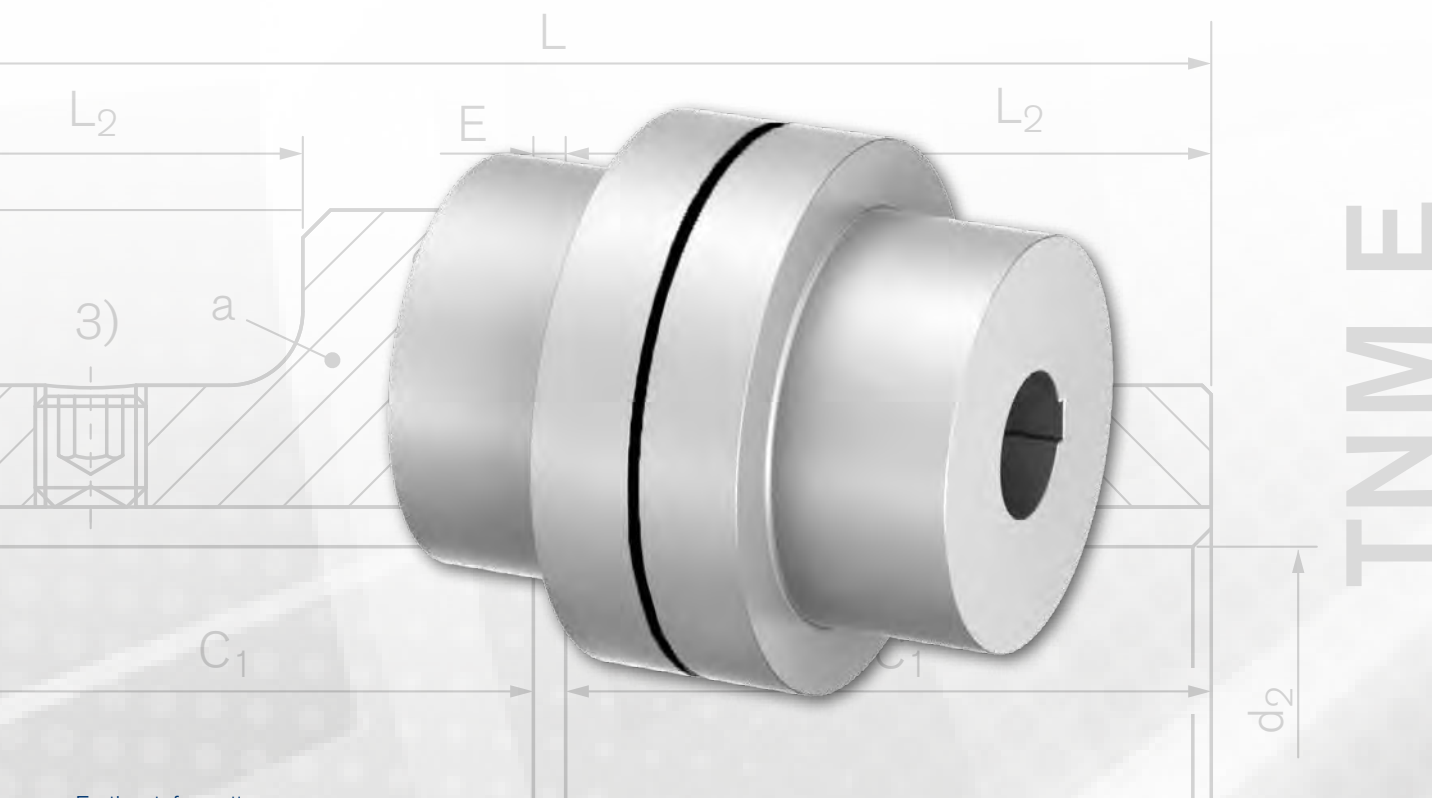
Allocation of the RINGFEDER® TNM couplings to IEC standard motors

Protection rating IP 54/IP 55 (intermediate ring Pb72)

Size	Motor	kW	Coupling size	kW	Coupling size	kW	Coupling size	kW	Coupling size	Cyl. shaft end d x L by rotary speed of	
		n= 3.000 min ⁻¹		n= 1.500 min ⁻¹		n= 1.000 min ⁻¹		n= 750 min ⁻¹		= 3000 min ⁻¹	≤ 3000 min ⁻¹
56	-	0,09	50	0,06	50	0,04	50	-	-	9x20	9x20
56	-	0,12	50	0,09	50	0,05	50	-	-	9x20	9x20
63	-	0,18	50	0,12	50	0,06	50	-	-	11x23	11x23
63	-	0,25	50	0,18	50	0,09	50	-	-	11x23	11x23
71	-	0,37	50	0,25	50	0,18	50	0,09	50	14x30	14x30
71	-	0,55	50	0,37	50	0,25	50	0,12	50	14x30	14x30
80	-	0,75	50	0,55	50	0,37	50	0,18	50	19x40	19x40
80	-	1,1	50	0,75	50	0,55	50	0,25	50	19x40	19x40
90	S	1,5	67	1,1	67	0,75	67	0,37	67	24x50	24x50
90	L	2,2	67	1,5	67	1,1	67	0,55	67	24x50	24x50
100	L	3	67	2,2	82	1,5	67	0,75	67	28x60	28x60
100	L	-	-	3	82	-	-	1,1	67	28x60	28x60
112	M	4	67	5	82	2,2	82	1,5	82	28x60	28x60
132	S	5,5	97	5,5	97	3	97	2,2	97	38x80	38x80
132	S	7,5	97	-	-	-	-	-	-	38x80	38x80
132	M	-	-	7,5	-	4	97	3	97	38x80	38x80
132	M	-	-	-	97	5,5	97	-	-	42x110	42x110
160	M	11	97	11	-	7,5	97	4	97	42x110	42x110
160	M	15	97	-	97	-	-	5,5	97	42x110	42x110
160	L	18,5	112	15	-	11	112	7,5	112	48x110	48x110
180	M	22	112	18,5	112	-	-	-	-	48x110	48x110
180	L	-	-	22	112	15	128	11	128	55x110	55x110
200	L	30	128	30	128	18,5	128	15	128	55x110	55x110
200	L	37	128	-	148	22	128	-	-	60x140	60x140
225	S	-	-	37	-	-	-	18,5	148	60x140	60x140
225	M	45	128	45	148	30	148	22	148	65x140	65x141
250	M	55	148	55	148	37	168	30	168	75x140	75x140
280	S	75	18	75	168	45	168	37	168	75x140	75x140
280	M	90	148	90	168	55	194	45	194	80x170	80x170
315	S	110	168	110	194	75	194	55	194	80x170	80x170
315	M	132	168	132	194	90	194	75	214	80x170	80x170
315	L	160	168	160	214	110	214	90	214	80x170	80x170
315	L	200	194	200	240	132	240	110	240	80x170	80x170
315	L	-	-	-	-	160	240	132	240	80x170	80x170
315	-	250	194	250	240	200	240	160	265	85x170	85x170
315	-	315	214	315	265	250	265	200	265	85x170	85x170
355	-	355	214	355	265	315	295	250	295	95x170	95x170
355	-	400	-	400	265	400	295	315	330	95x170	95x170
355	-	500	-	500	295	-	-	-	-	95x170	95x170
400	-	560	-	560	295	450	330	355	330	110x210	110x210
400	-	630	-	630	330	500	330	400	330	110x210	110x210
400	-	710	-	710	330	560	370	450	370	110x210	110x210
450	-	800	-	800	330	630	370	500	370	120x210	120x210
450	-	900	-	900	370	710	370	560	370	120x210	120x210
450	-	1000	-	1000	370	800	415	630	415	120x210	120x210

The allocation of the couplings takes into account a uniform torque at the operating point (minimum operating factor 1.25) with low va-

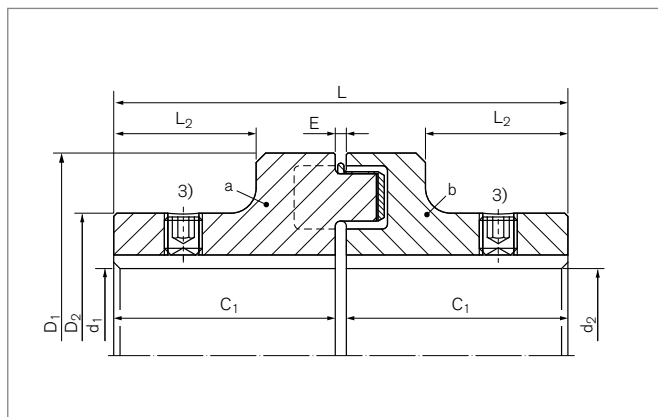
riation and slight shocks and is valid up to an ambient temperature of +60 °C.



Further information on
RINGFEDER® TNM E
on www.ringfeder.com

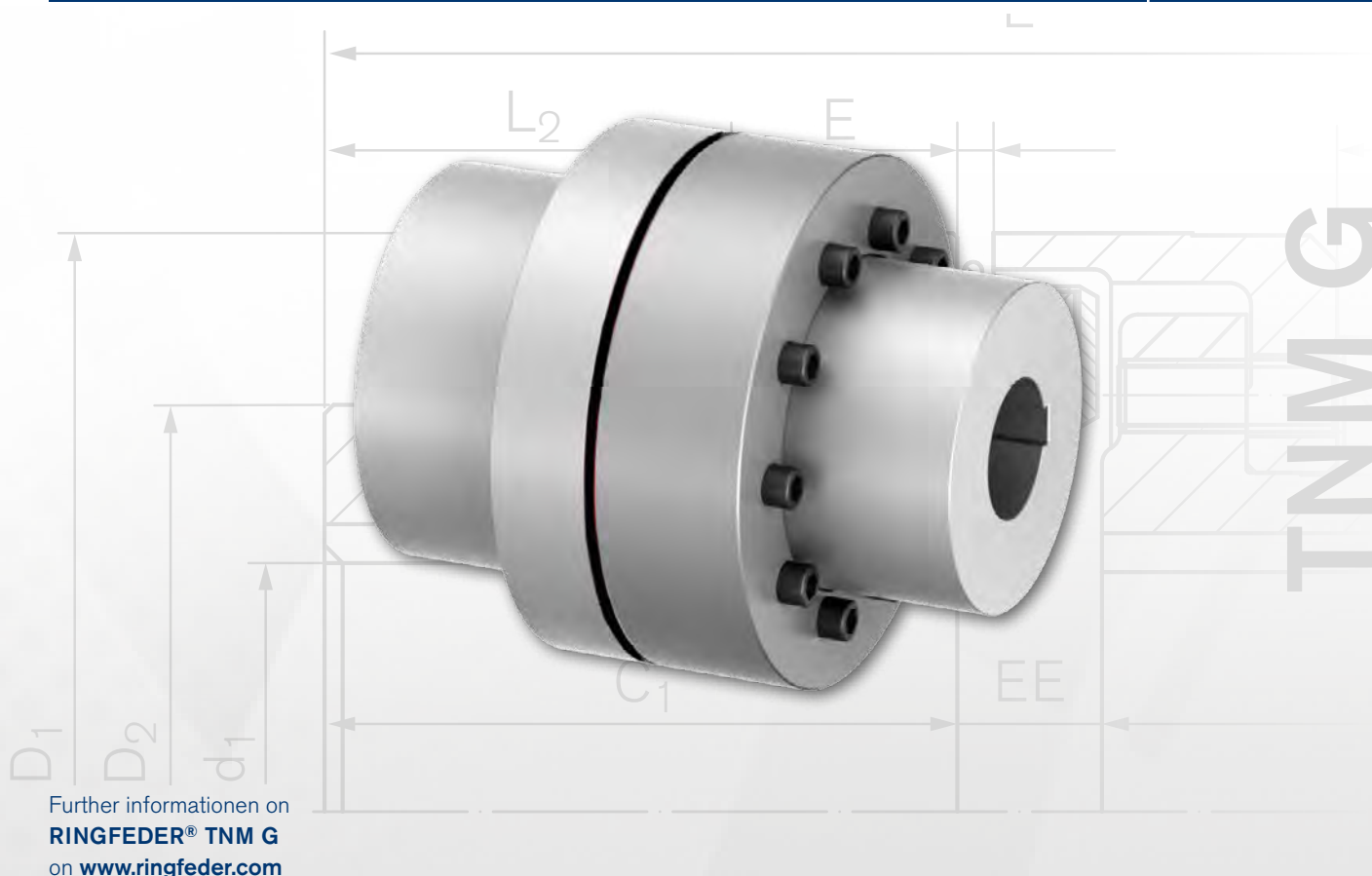
One-part design with 2 identical coupling hubs

The **RINGFEDER® TNM E** is a torsionally flexible and puncture-proof jaw coupling. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position.



Characteristics

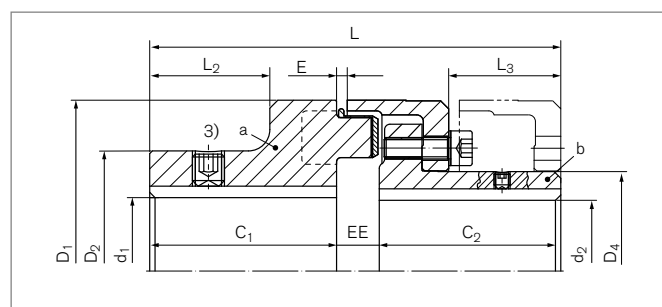
- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Change of the elastic intermediate ring with shift of the connected aggregates
- Bores up to 230 mm
- Torques up to $T_{Kn} = 41000 \text{ Nm}$ / $T_{Kmax} = 97500 \text{ Nm}$
- Speeds up to $n_{max} = 5000 \text{ min}^{-1}$



Multi-part design, to change the intermediate ring without axial movement of the driven parts

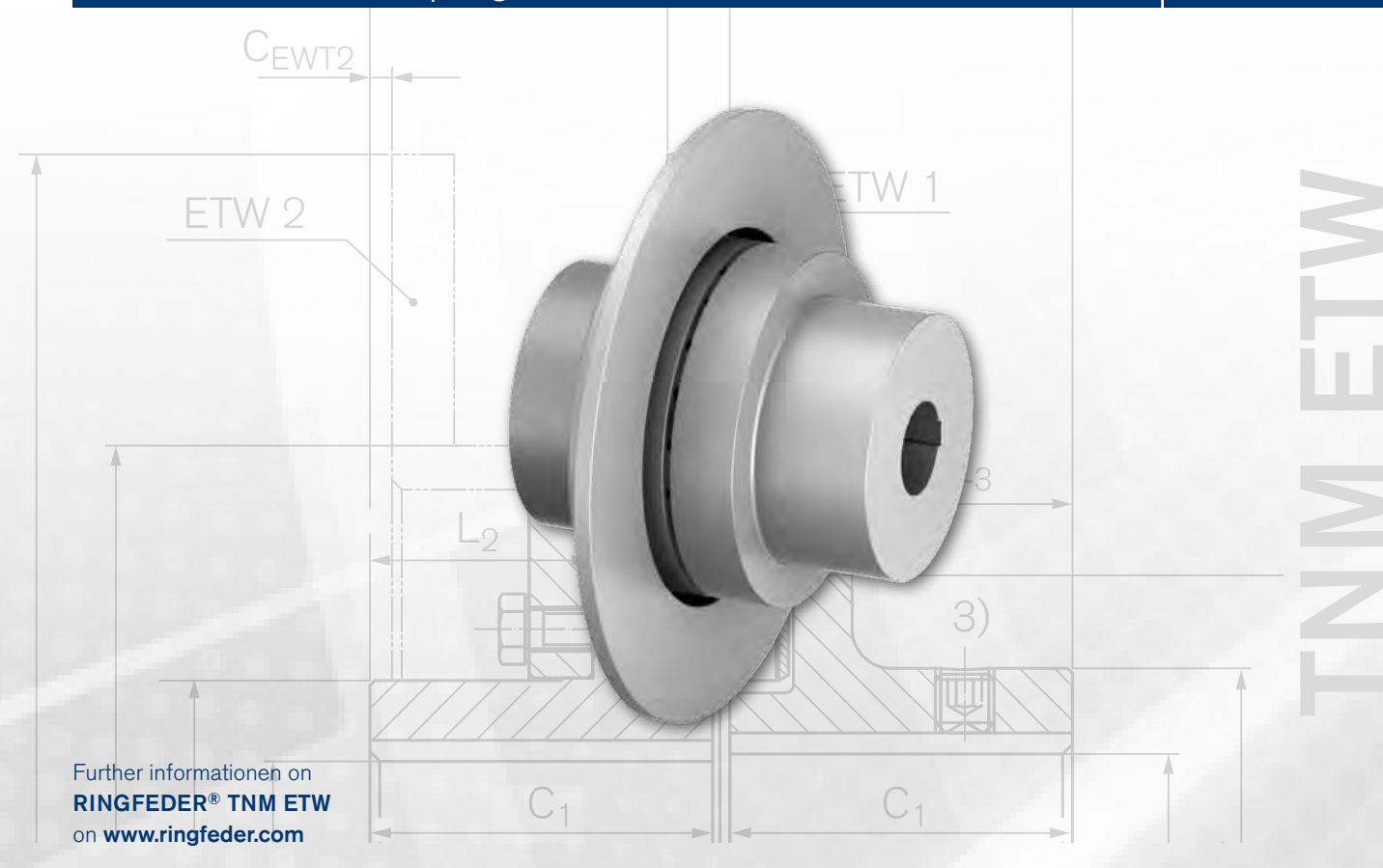
The **RINGFEDER® TNM G** is a torsionally elastic and puncture-proof jaw coupling with a movable jaw ring. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position. Easy separation of the coupled machines is possible because one coupling half is in two sections. The rotational direction of the drive can be inspected when the jaw ring is pushed back. One coupling half can also be lifted out radially with the corresponding

aggregate. The elastic intermediate ring can be changed without shifting the machines axially.



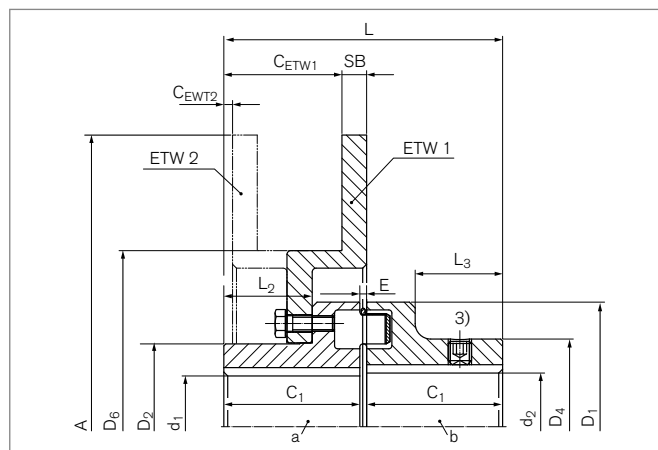
Characteristics

- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Change of the elastic intermediate ring without shift of the connected aggregates.
- Bores up to 280 mm
- Torques up to $T_{Kn} = 41000 \text{ Nm}$ / $T_{Kmax} = 97500 \text{ Nm}$
- Speeds up to $n_{max} = 5000 \text{ min}^{-1}$



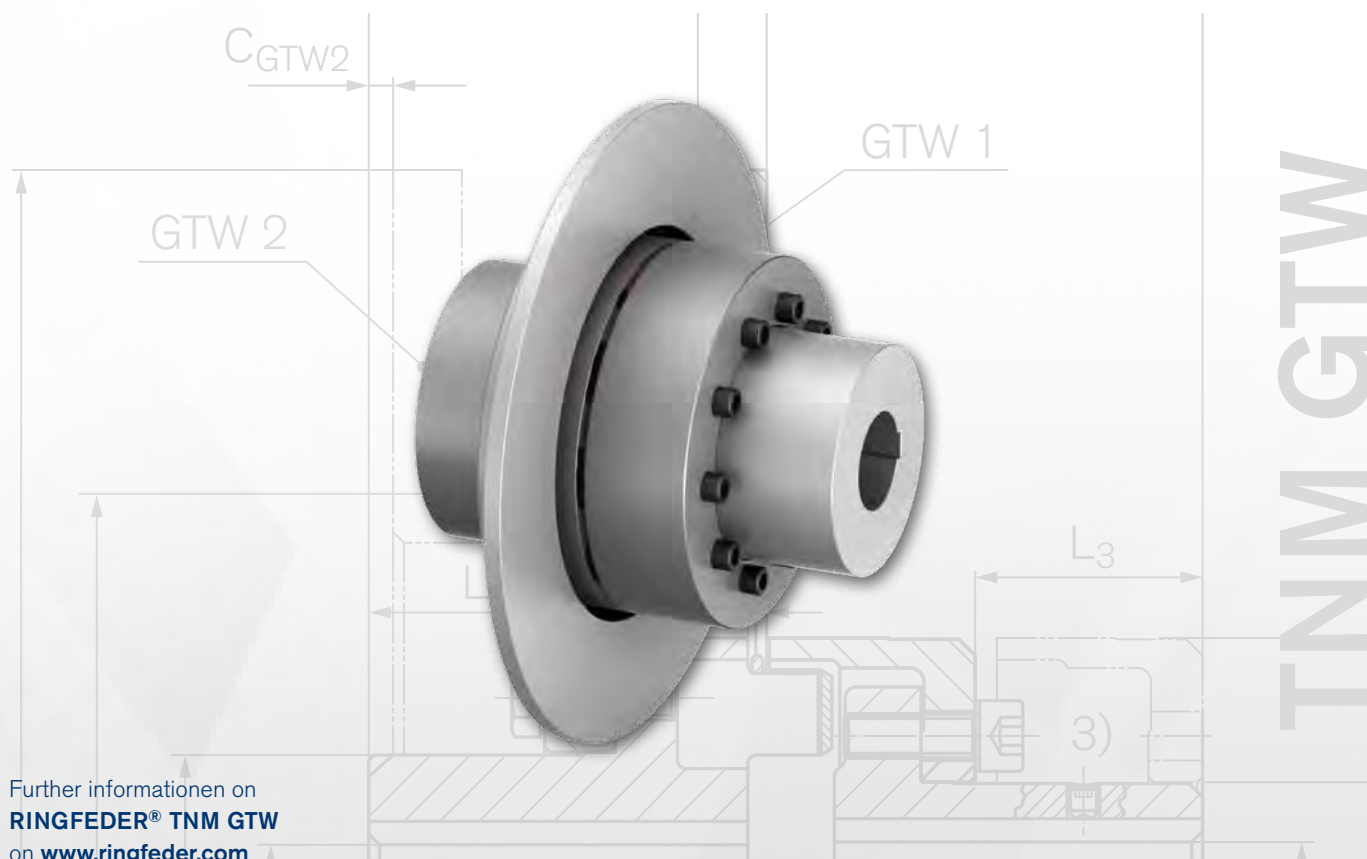
One part design with brake disc

The **RINGFEDER® TNM ETW** is a torsionally elastic and puncture-proof jaw coupling with a brake disc. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position.



Characteristics

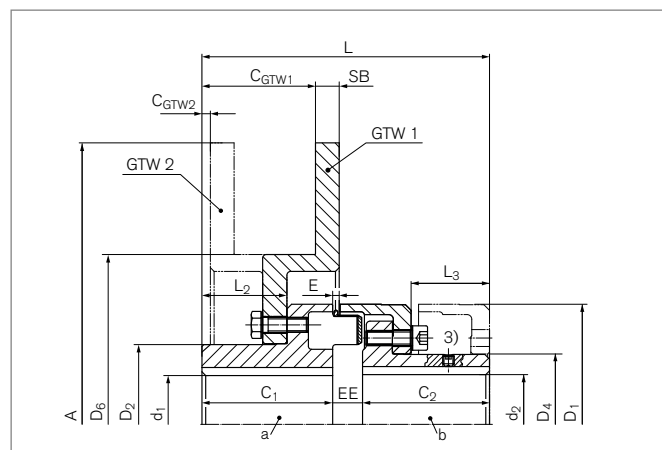
- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring.
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Brake disc in GGG, other materials on request
- Change of the elastic intermediate ring with shift of the connected aggregates.
- Bores up to 230 mm
- Torques up to $T_{Kn} = 41000 \text{ Nm}$ / $T_{Kmax} = 97500 \text{ Nm}$
- Speeds up to $n_{max} = 5000 \text{ min}^{-1}$



Further information on
RINGFEDER® TNM GTW
on www.ringfeder.com

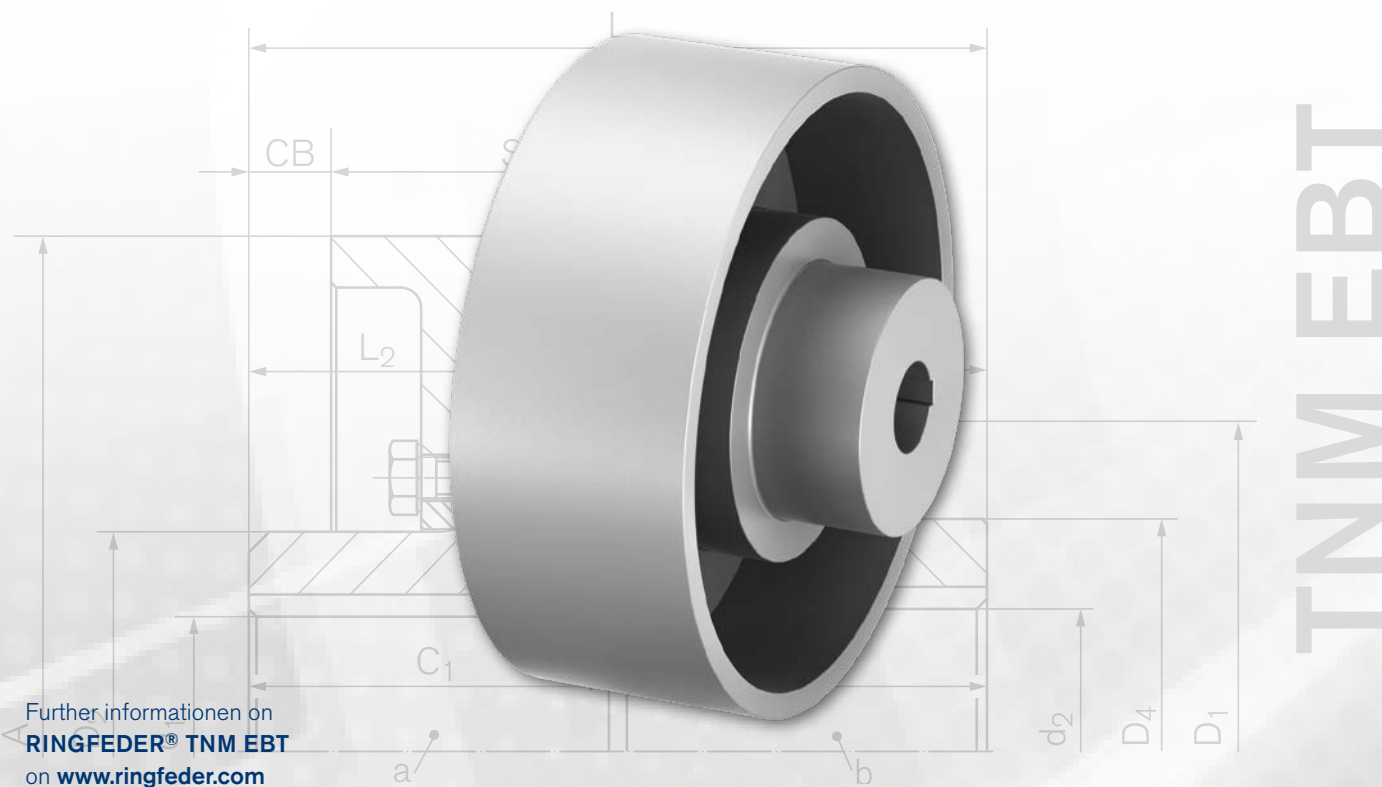
Multi-part design, to change the intermediate ring without axial movement of the driven parts with brake disc

The **RINGFEDER® TNM GTW** is a torsionally elastic and puncture-proof jaw coupling with a brake disc and a movable jaw ring. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position. Easy separation of the coupled machines is possible because one coupling half is in two sections. The rotational direction of the drive can be inspected when the jaw ring is pushed back. One coupling half can also be lifted out radially with the corresponding aggregate. The elastic intermediate ring can be changed without shifting the machines axially.



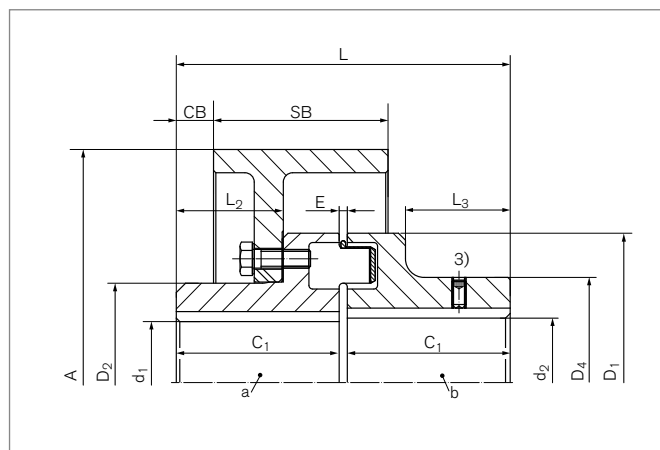
Characteristics

- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Brake disc in GGG, other materials on request
- Change of the elastic intermediate ring without shift of the connected aggregates.
- Bores up to 280 mm
- Torques up to $T_{Kn} = 41000 \text{ Nm}$ / $T_{Kmax} = 97500 \text{ Nm}$
- Speeds up to $n_{max} = 5000 \text{ min}^{-1}$



One part design with brake drum acc. to DIN 15431

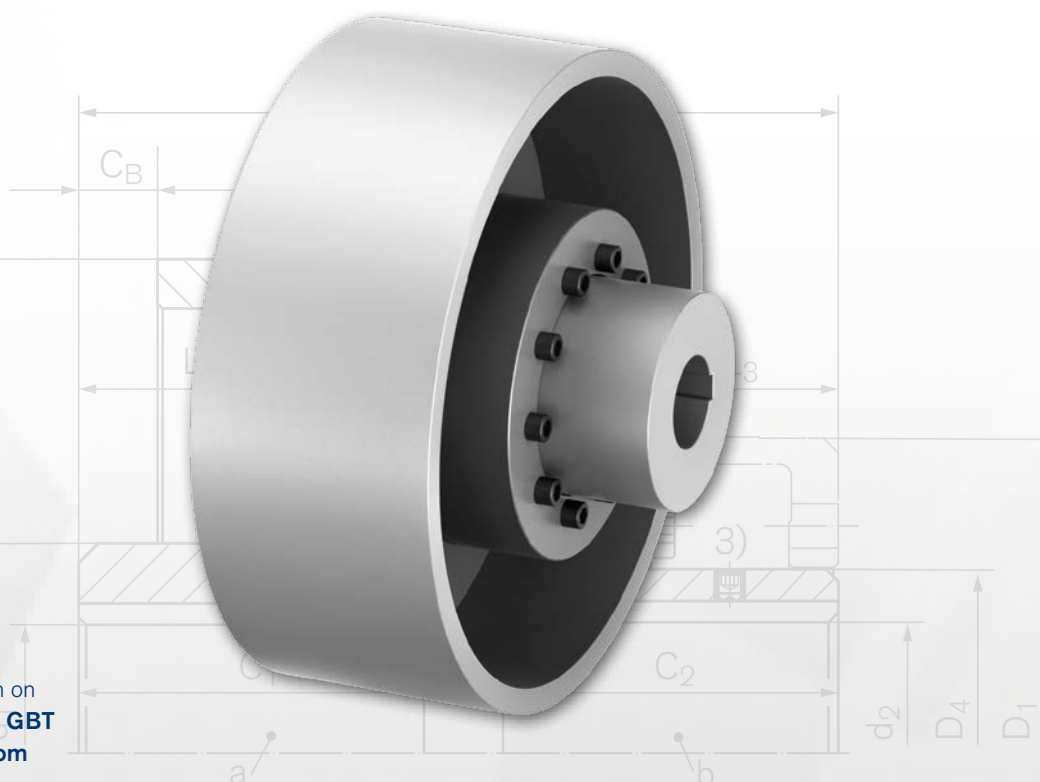
Die **RINGFEDER® TNM EBT** is a torsionally elastic and puncture-proof jaw coupling with a brake drum. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position.



Characteristics

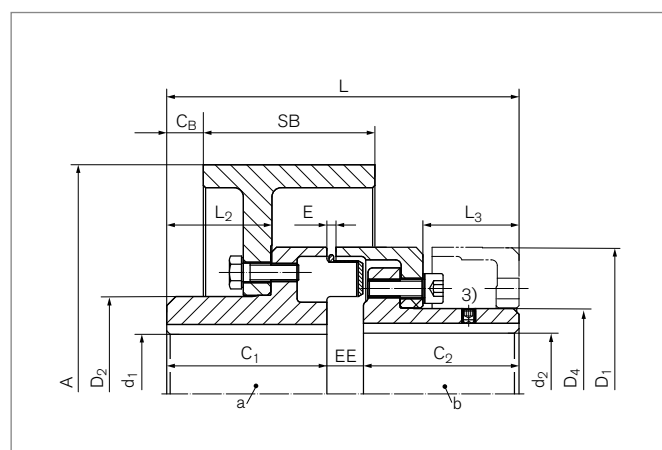
- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Brake drum in GGG, other materials on request
- Change of the elastic intermediate ring with shift of the connected aggregates.
- Bores up to 230 mm
- Torques up to $T_{Kn} = 41000 \text{ Nm}$ / $T_{Kmax} = 97500 \text{ Nm}$
- Speeds up to $n_{max} = 5000 \text{ min}^{-1}$

Further information on
RINGFEDER® TNM GBT
on www.ringfeder.com



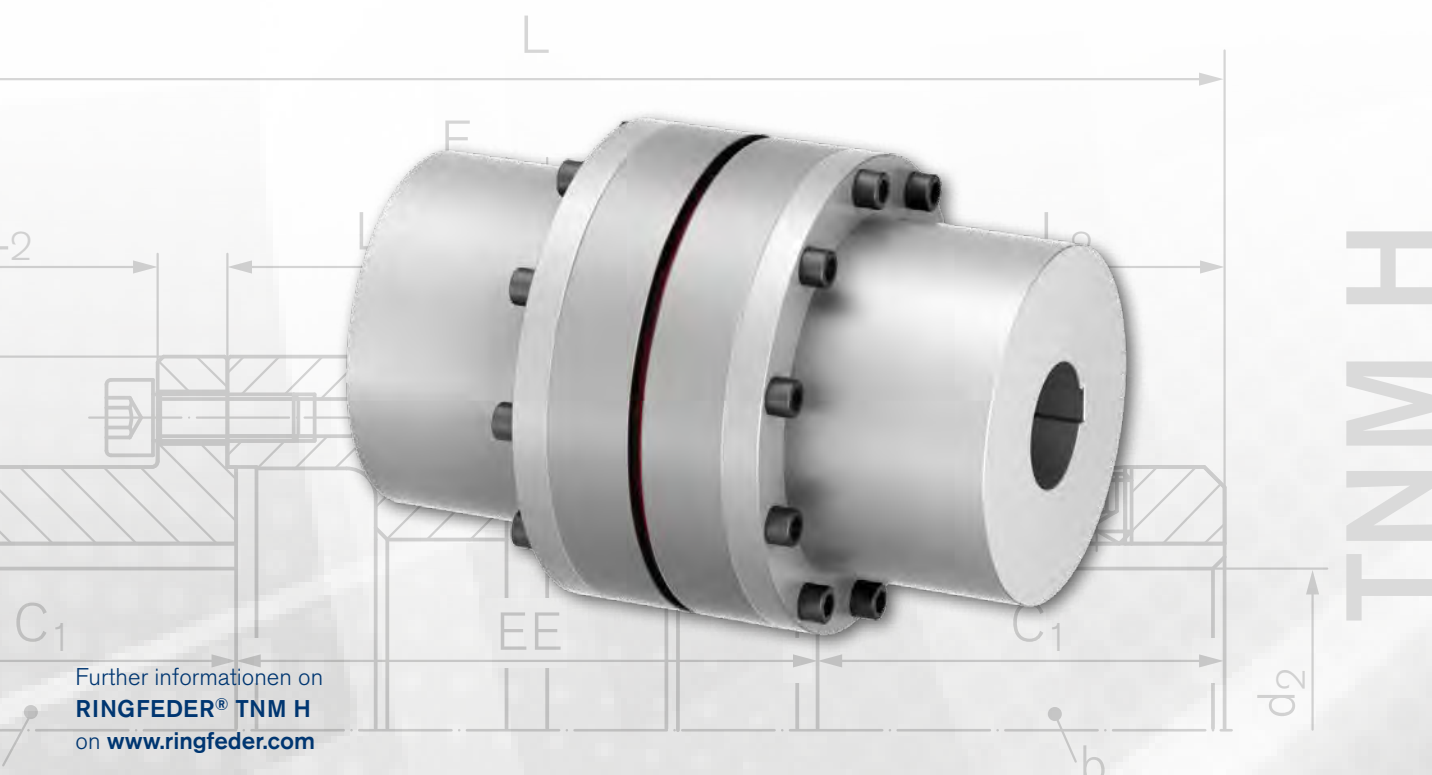
Multi-part design, to change the intermediate ring without axial movement of the driven parts with brake drum acc. to DIN 15431

Die **RINGFEDER® TNM GBT** is a torsionally elastic and puncture-proof jaw coupling with brake drum and a movable jaw ring. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position. Easy separation of the coupled machines is possible because one coupling half is in two sections. The rotational direction of the drive can be inspected when the jaw ring is pushed back. One coupling half can also be lifted out radially with the corresponding aggregate. The elastic intermediate ring can be changed without shifting the machines axially.



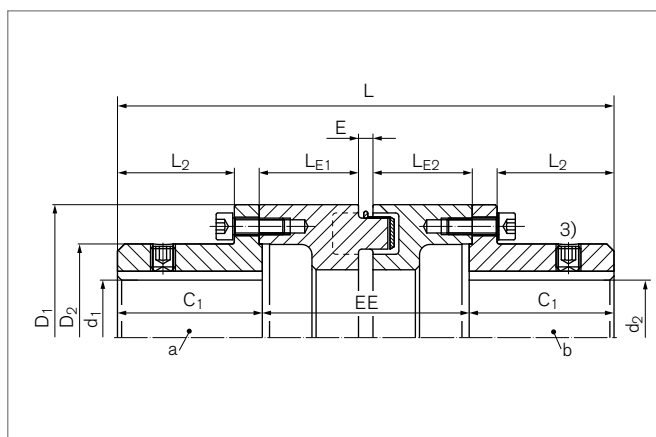
Characteristics

- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Brake drum in GGG, other materials on request
- Change of the elastic intermediate ring without shift of the connected aggregates.
- Bores up to 280 mm
- Torques up to $T_{Kn} = 41000 \text{ Nm}$ / $T_{Kmax} = 97500 \text{ Nm}$
- Speeds up to $n_{max} = 5000 \text{ min}^{-1}$



Multi-part design, to remove the intermediate spacer. Disassembly of the pump impeller without axial movement of the driven parts

The **RINGFEDER® TNM H** is a torsionally elastic and puncture-proof jaw coupling with an intermediate piece that can be lifted out, primarily for pump drives. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position. Radial installation and removal of the intermediate sleeve are possible because both coupling halves are in two sections. The dismounting dimension between the flange hubs is available to change the elastic intermediate ring or removal of the bearing bracket of a centrifugal pump without moving the motor. When the intermediate sleeve has been dismounted it is also simple to carry out a check on the rotational direction of the drive.



Characteristics

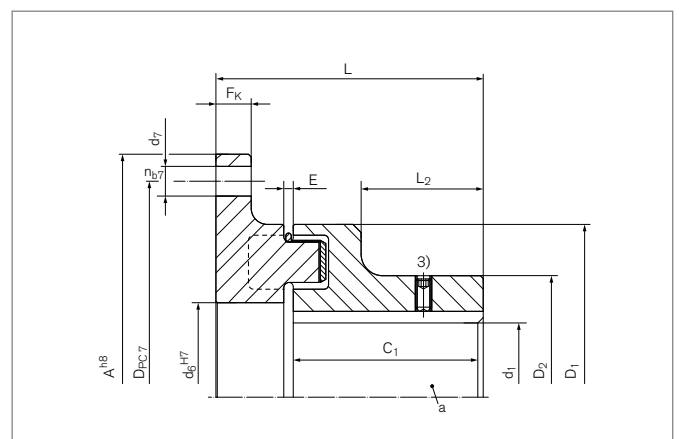
- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Removal of the intermediate pieces and changing of the elastic intermediate ring without moving the connected aggregates.
- Bores up to 150 mm
- Torques up to $T_{Kn} = 9900 \text{ Nm}$ / $T_{Kmax} = 23400 \text{ Nm}$
- Speeds up to $n_{max} = 2000 \text{ min}^{-1}$



Further information on
RINGFEDER® TNM LE
on www.ringfeder.com

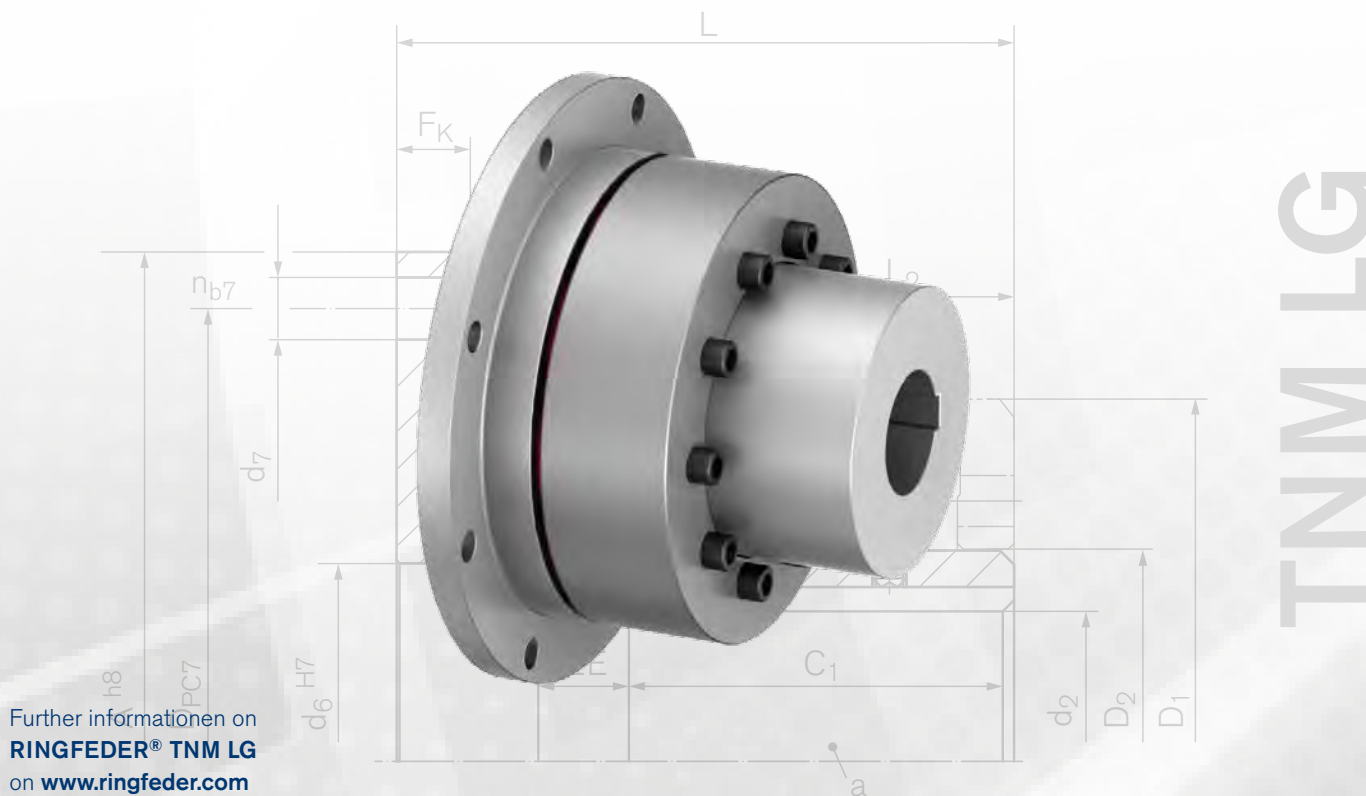
One part design with flange, externally centred

The **RINGFEDER® TNM LE** is a torsionally elastic and puncture-proof jaw coupling with screw-down flange. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position.



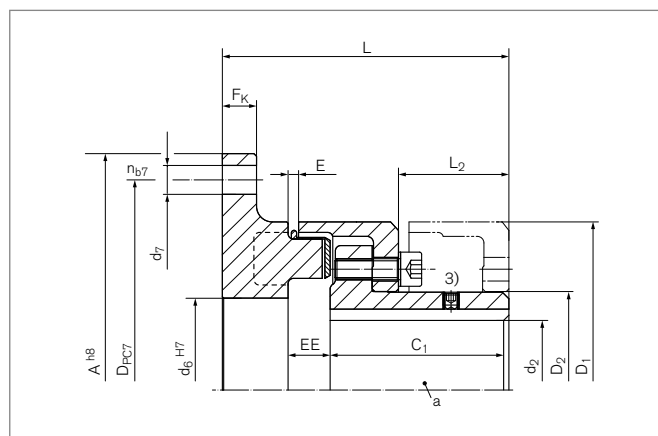
Characteristics

- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to $+100\text{ °C}$
- Changing of the elastic intermediate ring with movement of the connected aggregates.
- Bores up to 230 mm
- Torques up to $T_{Kn} = 41000\text{ Nm}$ / $T_{Kmax} = 97500\text{ Nm}$
- Speeds up to $n_{max} = 5000\text{ min}^{-1}$



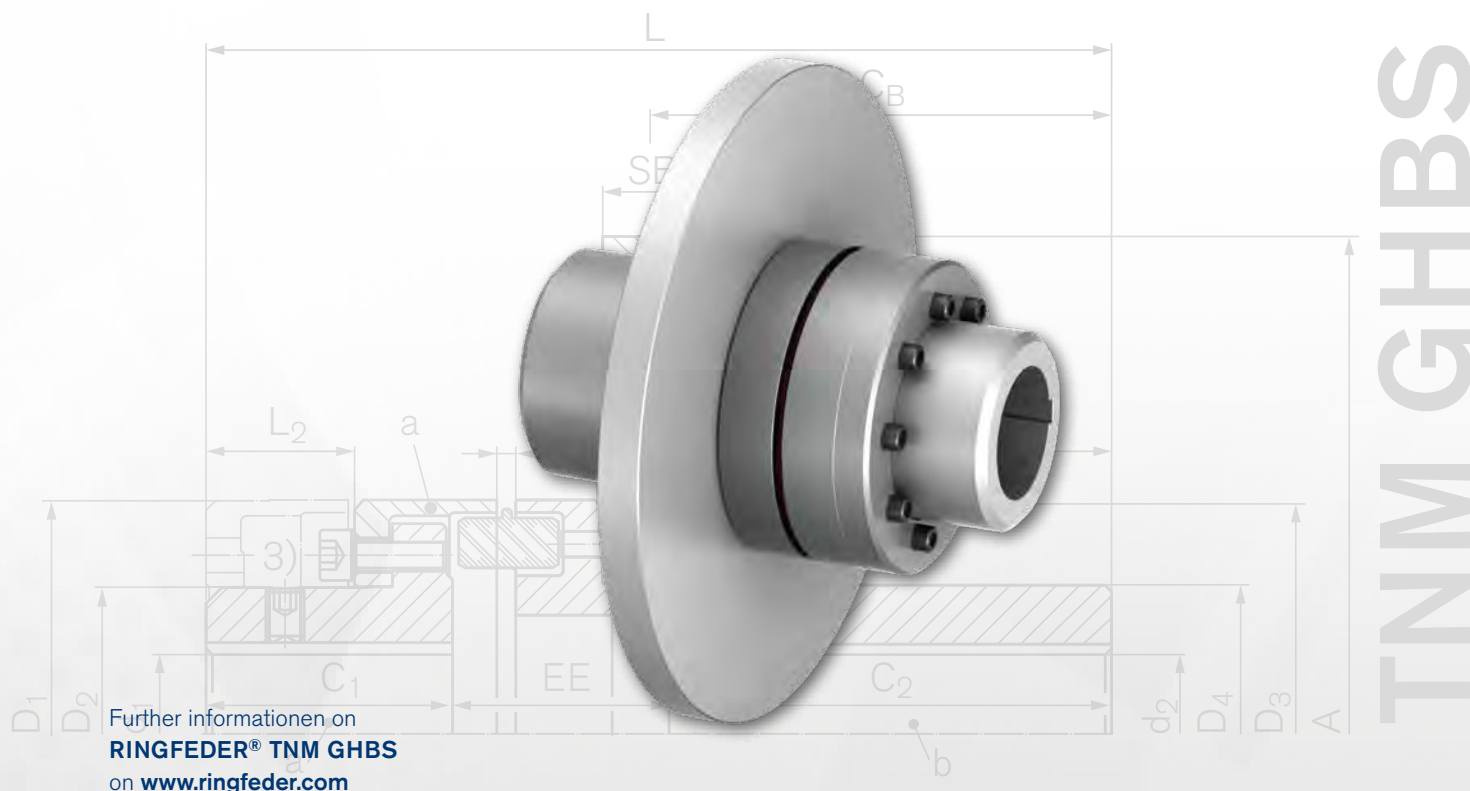
Multi-part design, to change the intermediate ring without axial movement of the driven parts with flange, externally centred

The **RINGFEDER® TNM LG** is a torsionally elastic and puncture-proof jaw coupling with screw-down flange and moveable jaw ring. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position. Easy separation of the coupled machines is possible because one coupling half is in two sections. The rotational direction of the drive can be inspected when the jaw ring is pushed back. One coupling half can also be lifted out radially with the corresponding aggregate. The elastic intermediate ring can be changed without shifting the machines axially.



Characteristics

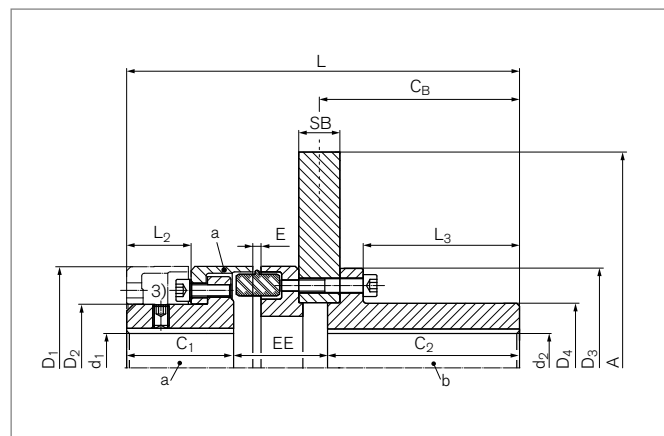
- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to +100 °C
- Changing of the elastic intermediate ring without moving the connected aggregates.
- Bores up to bis 280 mm
- Torques up to $T_{Kn} = 41000 \text{ Nm}$ / $T_{Kmax} = 97500 \text{ Nm}$
- Speeds up to $n_{max} = 5000 \text{ min}^{-1}$



TNM GHBS

With brake disc in steel, multi-part design, to change the intermediate ring and the brake disc without axial movement of the driven parts

The **RINGFEDER® TNM GHBS** is a torsionally elastic and puncture-proof jaw coupling with brake disc and moveable jaw ring. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Perbunan; Pb) that are connected to one another into an intermediate ring. The elastic intermediate ring in synthetic rubber (Perbunan; Pb) damps impacts and torsional vibration and is electrically conductive, so that undesired static charging is avoided. The coupling can be used in any direction of rotation and installation position. Easy separation of the coupled machines is possible because one coupling half is in two sections. The rotational direction of the drive can be inspected when the jaw ring is pushed back. One coupling half can also be lifted out radially with the corresponding aggregate. The elastic intermediate ring and the brake disc can be changed without shifting the machines axially.



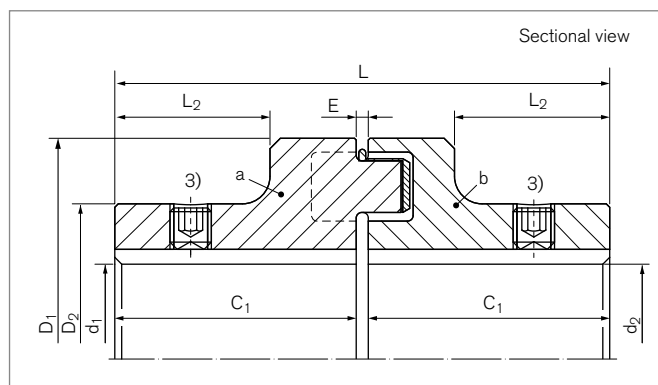
Characteristics

- Torsionally flexible, compensate for angular, radial and axial shaft misalignment
- Pre-compressed individual buffers connected to an intermediate ring
- Intermediate rings of different Shore hardness levels (standard Pb72, hard Pb82), can be used from -30 °C to $+100\text{ °C}$
- Changing of the elastic intermediate ring and the brake disc without moving the connected aggregates.
- Bores up to 150 mm
- Torques up to $T_{Kn} = 7550\text{ Nm}$ / $T_{Kmax} = 10500\text{ Nm}$
- Speeds up to $n_{max} = 2250\text{ min}^{-1}$

Elastomer Jaw Couplings

RINGFEDER® TNM E

One-part design with 2 identical coupling hubs



Identifier	Size	$T_{KNPb72}^{2)}$	$T_{KNPb82}^{2)}$	n_{max}	d_{1kmax}	d_{2kmax}	D_1	D_2
		Nm	Nm	1/min	mm	mm	mm	mm
WN0105	50	13	20	5000	19	19	50	33
WN0106	67	22	35	5000	28	28	67	46
WN0108	82	48	75	5000	32	32	82	53
WN0109	97	96	150	5000	42	42	97	69
WN0111	112	150	230	5000	48	48	112	79
WN0112	128	250	380	5000	55	55	128	90
WN0114	148	390	600	4500	65	65	148	107
WN0116	168	630	980	4000	75	75	168	124
WN0119	194	1050	1650	3500	85	85	194	140
WN0121	214	1500	2400	3000	95	95	214	157
WN0124	240	2400	3700	2750	110	110	240	179
WN0126	265	3700	5800	2500	120	120	265	198
WN0129	295	4900	7550	2250	130	130	295	214
WN0133	330	6400	9900	2000	150	150	330	248
WN0137	370	8900	14000	1750	170	170	370	278
WN0141	415	13200	20500	1500	190	190	415	315
WN0148	480	18000	28000	2100	210	210	480	315
WN0157	575	27000	41000	1800	230	230	575	350

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM E

Identifier	Size	C ₁	L	L ₂	E	F _E	Gwa ¹⁾	Gw _{ub}
		mm	mm	mm	mm	mm	kg	kg
WN0105	50	25	52	13	2	+/- 0,5	0,2	0,4
WN0106	67	30	62,5	15	2,5	+/- 0,5	0,5	1,0
WN0108	82	40	83	24	3	+/- 1,0	0,9	1,8
WN0109	97	50	103	30	3	+/- 1,0	1,7	3,4
WN0111	112	60	123,5	38	3,5	+/- 1,0	2,6	5,3
WN0112	128	70	143,5	45	3,5	+/- 1,0	4,1	8,2
WN0114	148	80	163,5	52	3,5	+/- 1,0	6,3	12,7
WN0116	168	90	183,5	56	3,5	+/- 1,5	9,6	19,3
WN0119	194	100	203,5	62	3,5	+/- 1,5	13,8	27,9
WN0121	214	110	224	68	4	+/- 2,0	19,1	38,2
WN0124	240	120	244	75	4	+/- 2,0	26,7	53,4
WN0126	265	140	285,5	90	5,5	+/- 2,5	37,5	75,0
WN0129	295	150	308	98	8	+/- 2,5	47,9	95,7
WN0133	330	160	328	104	8	+/- 2,5	66,5	132,9
WN0137	370	180	368	118	8	+/- 2,5	93,9	187,7
WN0141	415	200	408	135	8	+/- 2,5	129,7	259,3
WN0148	480	220	448	150	8	+/- 2,5	164,4	328,7
WN0157	575	240	488	170	8	+/- 2,5	233,5	467,0

¹⁾ Weight inclusive the half share of the intermediate ring

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

Explanation

T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72

T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82

n_{max} = Max. rotation speed

d_{1kmax} = Max. bore diameter d₁ with keyway acc. to DIN 6885-1

d_{2kmax} = Max. bore diameter d₂ with keyway acc. to DIN 6885-1

D₁ = Outer diameter

D₂ = Outer diameter hub

C₁ = Guided length in hub bore

L = Total length

L₂ = Length on the hub

E = Gap width between left and right component

F_E = Tolerance of the gap width E

Gwa = Weight of subassembly a

Gw_{ub} = Weight, unbored

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁴⁾	Further details
WN0157	575	200	220	Pb82	*

⁴⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

⁵⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

Further information on
RINGFEDER® TNM E
 on www.ringfeder.com

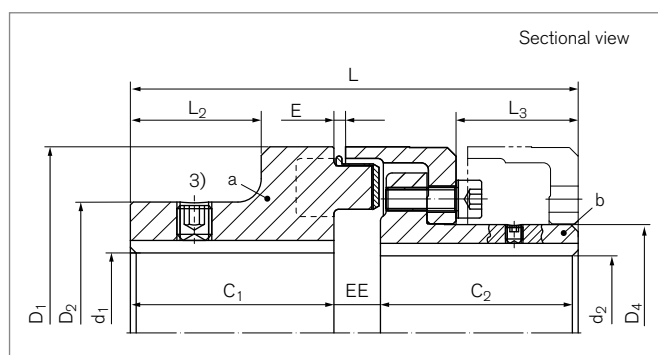
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Elastomer Jaw Couplings

RINGFEDER® TNM G

Multi-part design, to change the intermediate ring without axial movement of the driven parts



Identifier	Size	$T_{KNPb72}^{2)}$	$T_{KNPb82}^{2)}$	n_{max}	d_{1kmax}	d_{2kmax}	D_1	D_2	D_4	C_1
		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
WN0208	82	48	75	5000	32	32	82	53	44,5	40
WN0209	97	96	150	5000	42	39	97	69	54,5	50
WN0211	112	150	230	5000	48	46	112	79	64,5	60
WN0212	128	250	380	5000	55	53	128	90	74,5	70
WN0214	148	390	600	4500	65	65	148	107	92,5	80
WN0216	168	630	980	4000	75	75	168	124	104,5	90
WN0219	194	1050	1650	3500	85	85	194	140	121,5	100
WN0221	214	1500	2400	3000	95	95	214	157	135,5	110
WN0224	240	2400	3700	2750	110	100	240	179	146	120
WN0226	265	3700	5800	2500	120	115	265	198	164	140
WN0229	295	4900	7550	2250	130	130	295	214	181	150
WN0233	330	6400	9900	2000	150	135	330	248	208	160
WN0237	370	8900	14000	1750	170	160	370	278	241	180
WN0241	415	13200	20500	1500	190	180	415	315	275	200
WN0248	480	18000	28000	1400	210	200	480	315	289	220
WN0257	575	27000	41000	1200	230	260	575	350	368	240

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM G

Identifier	Size	C ₂	L	L ₂	L ₃	E	F _E	EE	Gwa ¹⁾	GW _{ub}
		mm	mm	mm	mm	mm	mm	mm	kg	kg
WN0208	82	40	92	24	20	3	+/- 1,0	12	0,9	2,0
WN0209	97	49	113	30	30,5	3	+/- 1,0	14	1,7	3,4
WN0211	112	58	133	38	32,5	3,5	+/- 1,0	15	2,6	5,5
WN0212	128	68	154	45	42	3,5	+/- 1,0	16	4,1	8,3
WN0214	148	78	176	52	47	3,5	+/- 1,0	18	6,3	13,1
WN0216	168	87	198	56	52,5	3,5	+/- 1,5	21	9,6	19,4
WN0219	194	97	221	62	60	3,5	+/- 1,5	24	13,8	28,6
WN0221	214	107	243	68	66,5	4	+/- 2,0	26	19,1	38,8
WN0224	240	117	267	75	75,5	4	+/- 2,0	30	26,7	52,4
WN0226	265	137	310	90	88	5,5	+/- 2,5	33	37,5	75,3
WN0229	295	147	334	98	96	8	+/- 2,5	37	47,9	97,3
WN0233	330	156	356	104	101,5	8	+/- 2,5	40	66,5	130,0
WN0237	370	176	399	118	117	8	+/- 2,5	43	93,9	183,6
WN0241	415	196	441	135	131	8	+/- 2,5	45	129,7	258,2
WN0248	480	220	485	150	149	8	+/- 2,5	45	164,4	346,5
WN0257	575	240	525	170	168	8	+/- 2,5	45	233,5	528,8

¹⁾ Weight inclusive the half share of the intermediate ring

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

Explanation

T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72

T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82

n_{max} = Max. rotation speed

d_{1kmax} = Max. bore diameter d₁ with keyway acc. to DIN 6885-1

d_{2kmax} = Max. bore diameter d₂ with keyway acc. to DIN 6885-1

D₁ = Outer diameter

D₂ = Outer diameter hub

D₄ = Outer diameter hub

C₁ = Guided length in hub bore

C₂ = Guided length in hub bore

L = Total length

L₂ = Length on the hub

L₃ = Length

E = Gap width between left and right component

F_E = Tolerance of the gap width E

EE = Distance of the hubs

Gwa = Weight of subassembly a

GW_{ub} = Weight, unbored

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁴⁾	Further details
WN0224	240	90	70	Pb82	*

⁴⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

⁵⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

Further information on
RINGFEDER® TNM G
 on www.ringfeder.com

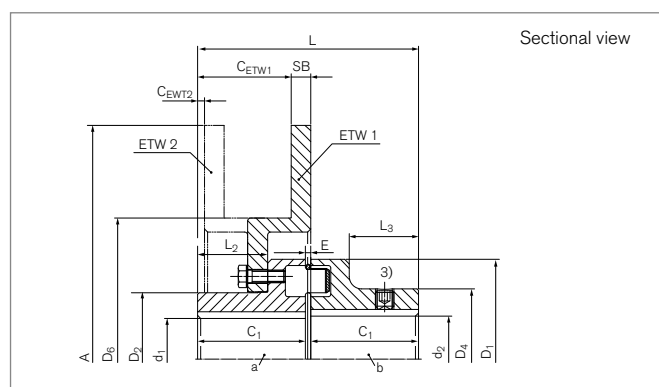
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Elastomer Jaw Couplings

RINGFEDER® TNM ETW

One part design with brake disc



Identifier	Size	A	SB	T _{KNPb72} ²⁾	T _{KNPb82} ²⁾	T _{BR} ⁴⁾	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	D ₄	D ₆	C ₁
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm
WN0311-250	112	250	12,7	150	230	450	4580	42	48	112	68	79	128	60
WN0311-300	112	300	12,7	150	230	450	3820	42	48	112	68	79	181	60
WN0312-300	128	300	12,7	250	380	550	3820	52	55	128	85	90	181	70
WN0314-300	148	300	12,7	390	600	1000	3820	58	65	148	94	107	181	80
WN0316-356	168	356	12,7	630	980	1600	3225	72	75	168	118	124	210	90
WN0316-406	168	406	12,7	630	980	1600	2825	72	75	168	118	124	260	90
WN0319-406	194	406	12,7	1050	1650	2750	2825	85	85	194	138	140	260	100
WN0319-457	194	457	12,7	1050	1650	2750	2510	85	85	194	138	140	311	100
WN0321-406	214	406	12,7	1500	2400	3350	2825	92	95	214	153	157	260	110
WN0321-514	214	514	12,7	1500	2400	3350	2510	92	95	214	153	157	311	110
WN0324-457	240	457	12,7	2400	3700	4200	2510	102	110	240	168	179	311	120
WN0324-514	240	514	12,7	2400	3700	4200	2230	102	110	240	168	179	368	120
WN0326-457	265	457	12,7	3700	5800	8700	2510	120	120	265	195	198	311	140
WN0326-514	265	514	12,7	3700	5800	8700	2230	120	120	265	195	198	368	140
WN0329-514	295	514	12,7	4900	7550	9800	2230	130	130	295	214	214	368	150
WN0329-610	295	610	12,7	4900	7550	9800	1880	130	130	295	214	214	464	150
WN0333-514	330	514	12,7	6400	9900	10600	2230	150	150	330	248	248	368	160
WN0333-610	330	610	12,7	6400	9900	10600	1880	150	150	330	248	248	464	160
WN0337-610	370	610	12,7	8900	14000	13500	1880	170	170	370	278	278	464	180
WN0337-711	370	711	12,7	8900	14000	13500	1615	170	170	370	278	278	565	180
WN0341-610	415	610	12,7	13200	20500	16000	1880	185	190	415	308	315	464	200
WN0341-711	415	711	12,7	13200	20500	16000	1615	185	190	415	308	315	565	200
WN0341-812	415	812	12,7	13200	20500	16000	1410	185	190	415	308	315	660	200
WN0341-915	415	915	12,7	13200	20500	16000	1255	185	190	415	308	315	760	200

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM ETW

Identifier	Size	CETW1 ¹⁾	CETW2 ¹⁾	L	L ₂	L ₃	E	F _E	GWBS	GW _{ub}
		mm	mm	mm	mm	mm	mm	mm	kg	kg
WN0311-250	112	55,8	2,5	123,5	38,5	38	3,5	+/- 1,0	6,1	8,8
WN0311-300	112	53,8	-2,5	123,5	38,5	38	3,5	+/- 1,0	9,1	11,7
WN0312-300	128	60,8	4,5	143,5	45,5	45	3,5	+/- 1,0	10,5	14,6
WN0314-300	148	67,8	11,5	163,5	52,5	52	3,5	+/- 1,0	12,1	18,4
WN0316-356	168	81,8	2,5	183,5	56,5	56	3,5	+/- 1,5	18,4	28,0
WN0316-406	168	84,8	2,5	183,5	56,5	56	3,5	+/- 1,5	21,3	31,0
WN0319-406	194	90,8	8,5	203,5	62,5	62	3,5	+/- 1,5	25,2	39,1
WN0319-457	194	87,8	8,5	203,5	62,5	62	3,5	+/- 1,5	30,1	44,0
WN0321-406	214	96,8	14,5	224	68,5	68	4	+/- 2,0	29,7	48,8
WN0321-514	214	93,8	14,5	224,0	68,5	68	4	+/- 2,0	34,5	53,6
WN0324-457	240	100,8	21,5	244	75,5	75	4	+/- 2,0	40,4	67,0
WN0324-514	240	100,8	21,5	244	75,5	75	4	+/- 2,0	45,4	72,0
WN0326-457	265	115,8	36,5	285,5	90,5	90	5,5	+/- 2,5	51,9	89,4
WN0326-514	265	115,8	36,5	285,5	90,5	90	5,5	+/- 2,5	56,7	94,2
WN0329-514	295	123,8	44,5	308	98,5	98	8	+/- 2,5	65,7	113,5
WN0329-610	295	123,8	44,5	308	98,5	98	8	+/- 2,5	76,7	124,5
WN0333-514	330	129,8	50,5	328,0	104,5	104	8	+/- 2,5	82,8	149,3
WN0333-610	330	129,8	50,5	328	104,5	104	8	+/- 2,5	93,8	160,3
WN0337-610	370	143,8	64,5	368	118,5	118	8	+/- 2,5	118,8	212,7
WN0337-711	370	140,8	64,5	368	118,5	118	8	+/- 2,5	134,1	227,9
WN0341-610	415	160,8	81,5	408	135,5	135	8	+/- 2,5	149,8	279,5
WN0341-711	415	157,8	81,5	408	135,5	135	8	+/- 2,5	164,7	294,3
WN0341-812	415	151,8	81,5	408	135,5	135	8	+/- 2,5	196,8	326,4
WN0341-915	415	151,8	81,5	408	135,5	135	8	+/- 2,5	227,2	356,8

¹⁾ Assembly of brake disc optionally, standard combination ETW1, otherwise ETW2

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

⁴⁾ Choose brake disc assembly in a way, that brake torque does not affect intermediate ring

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM ETW

Explanation

A = Max. outer diameter	D₁ = Outer diameter	L₃ = Length
SB = Disc width	D₂ = Outer diameter hub	E = Gap width between left and right component
T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	D₄ = Outer diameter hub	F_E = Tolerance of the gap width E
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	D₆ = Diameter	G_{WBS} = Weight of part with brake disc, unbored
T_{BR} = Brake torque	C₁ = Guided length in hub bore	G_{Wub} = Weight, unbored
n_{max} = Max. rotation speed	C_{ETW1} = Distance when using brake disc assembly ETW1	
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	C_{ETW2} = Distance, when using brake disc assembly ETW2	
d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L = Total length	
	L₂ = Length on the hub	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁵⁾	Further details
WN0319-406	194	80	62	Pb82	*

⁵⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

⁷⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

Further information on
RINGFEDER® TNM ETW
 on www.ringfeder.com

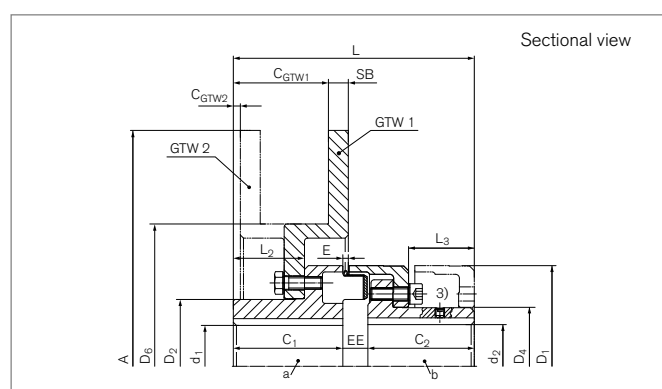
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Elastomer Jaw Couplings

RINGFEDER® TNM GTW

Multi-part design, to change the intermediate ring without axial movement of the driven parts with brake disc



Identifier	Size	A	SB	T _{KNPb72} ²⁾	T _{KNPb82} ²⁾	T _{BR} ⁴⁾	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	D ₄	D ₆	C ₁	C ₂
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm
WNO411-250	112	250	12,7	150	230	450	4580	42	46	112	68	64,5	128	60	58
WNO411-300	112	300	12,7	150	230	450	3820	42	46	112	68	64,5	181	60	58
WNO412-300	128	300	12,7	250	380	550	3820	52	53	128	85	74,5	181	70	68
WNO414-300	148	300	12,7	390	600	1000	3820	58	65	148	94	92,5	181	80	78
WNO416-356	168	356	12,7	630	980	1600	3225	72	75	168	118	104,5	210	90	87
WNO416-406	168	406	12,7	630	980	1600	2825	72	75	168	118	104,5	260	90	87
WNO419-406	194	406	12,7	1050	1650	2750	2825	85	85	194	138	121,5	260	100	97
WNO419-457	194	457	12,7	1050	1650	2750	2510	85	85	194	138	121,5	311	100	97
WNO421-406	214	406	12,7	1500	2400	3350	2825	92	95	214	153	135,5	260	110	107
WNO421-514	214	514	12,7	1500	2400	3350	2510	92	95	214	153	135,5	311	110	107
WNO424-457	240	457	12,7	2400	3700	4200	2510	102	100	240	168	146	311	120	117
WNO424-514	240	514	12,7	2400	3700	4200	2230	102	100	240	168	146	368	120	117
WNO426-457	265	457	12,7	3700	5800	8700	2510	120	115	265	195	164	311	140	137
WNO426-514	265	514	12,7	3700	5800	8700	2230	120	115	265	195	164	368	140	137
WNO429-514	295	514	12,7	4900	7550	9800	2230	130	130	295	214	181	368	150	147
WNO429-610	295	610	12,7	4900	7550	9800	1880	130	130	295	214	181	464	150	147
WNO433-514	330	514	12,7	6400	9900	10600	2230	150	135	330	248	208	368	160	156
WNO433-610	330	610	12,7	6400	9900	10600	1880	150	135	330	248	208	464	160	156
WNO437-610	370	610	12,7	8900	14000	13500	1880	170	160	370	278	241	464	180	176
WNO437-711	370	711	12,7	8900	14000	13500	1615	170	160	370	278	241	565	180	176
WNO441-610	415	610	12,7	13200	20500	16000	1880	185	180	415	308	275	464	200	196
WNO441-711	415	711	12,7	13200	20500	16000	1615	185	180	415	308	275	565	200	196
WNO441-812	415	812	12,7	13200	20500	16000	1410	185	180	415	308	275	660	200	196
WNO441-915	415	915	12,7	13200	20500	16000	1255	185	180	415	308	275	760	200	196

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Elastomer Jaw Couplings RINGFEDER® TNM GTW

Identifier	Size	CGTW ₁ ¹⁾	CGTW ₂ ¹⁾	L	L ₂	L ₃	E	F _E	EE	GW _{BS}	GW _{ub}
		mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
WN0411-250	112	55,8	2,5	133	38,5	32,5	3,5	+/- 1,0	15	6,1	8,8
WN0411-300	112	53,8	-2,5	133	38,5	32,5	3,5	+/- 1,0	15	9,1	11,7
WN0412-300	128	60,8	4,5	154	45,5	42	3,5	+/- 1,0	16	10,5	14,6
WN0414-300	148	67,8	11,5	176	52,5	47	3,5	+/- 1,0	18	12,1	18,4
WN0416-356	168	81,8	2,5	198	56,5	52,5	3,5	+/- 1,5	21	18,4	28,0
WN0416-406	168	84,8	2,5	198	56,5	52,5	3,5	+/- 1,5	21	21,3	31,0
WN0419-406	194	90,8	8,5	221	62,5	60	3,5	+/- 1,5	24	25,2	39,1
WN0419-457	194	87,8	8,5	221	62,5	60	3,5	+/- 1,5	24	30,1	44,0
WN0421-406	214	96,8	14,5	243	68,5	66,5	4	+/- 2,0	26	29,7	48,8
WN0421-514	214	93,8	14,5	243	68,5	66,5	4	+/- 2,0	26	34,5	53,6
WN0424-457	240	100,8	21,5	267	75,5	75,5	4	+/- 2,0	30	40,4	67,0
WN0424-514	240	100,8	21,5	267	75,5	75,5	4	+/- 2,0	30	45,4	72,0
WN0426-457	265	115,8	36,5	310	90,5	88	5,5	+/- 2,5	33	51,9	89,4
WN0426-514	265	115,8	36,5	310	90,5	88	5,5	+/- 2,5	33	56,7	94,2
WN0429-514	295	123,8	44,5	334	98,5	96	8	+/- 2,5	37	65,7	113,5
WN0429-610	295	123,8	44,5	334	98,5	96	8	+/- 2,5	37	76,7	124,5
WN0433-514	330	129,8	50,5	356	104,5	101,5	8	+/- 2,5	40	82,8	149,3
WN0433-610	330	129,8	50,5	356	104,5	101,5	8	+/- 2,5	40	93,8	160,3
WN0437-610	370	143,8	64,5	399	118,5	117	8	+/- 2,5	43	118,8	212,7
WN0437-711	370	140,8	64,5	399	118,5	117	8	+/- 2,5	43	134,1	227,9
WN0441-610	415	160,8	81,5	441	135,5	131	8	+/- 2,5	45	149,8	279,5
WN0441-711	415	157,8	81,5	441	135,5	131	8	+/- 2,5	45	164,7	294,3
WN0441-812	415	151,8	81,5	441	135,5	131	8	+/- 2,5	45	196,8	326,4
WN0441-915	415	151,8	81,5	441	135,5	131	8	+/- 2,5	45	227,2	356,8

¹⁾ Assembly of brake disc optionally, standard combination GTW1, otherwise GTW2

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

⁴⁾ Choose brake disc assembly in a way, that brake torque does not affect intermediate ring

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM GTW

Explanation

A = Max. outer diameter	D₁ = Outer diameter	L₂ = Length on the hub
SB = Disc width	D₂ = Outer diameter hub	L₃ = Length
T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	D₄ = Outer diameter hub	E = Gap width between left and right component
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	D₆ = Diameter	F_E = Tolerance of the gap width E
T_{BR} = Brake torque	C₁ = Guided length in hub bore	EE = Distance of the hubs
n_{max} = Max. rotation speed	C₂ = Guided length in hub bore	GW_{BS} = Weight of part with brake disc, unbored
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	C_{GTW1} = Distance, when using brake disc assembly GTW1	GW_{ub} = Weight, unbored
d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	C_{GTW2} = Distance, when using brake disc assembly GTW2	
	L = Total length	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁵⁾	Further details
WN0419-406	194	80	62	Pb82	*

⁵⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

^{*)} Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

Further information on
RINGFEDER® TNM GTW
 on www.ringfeder.com

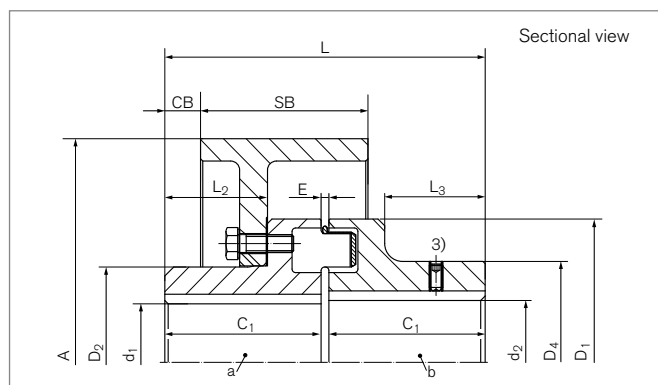
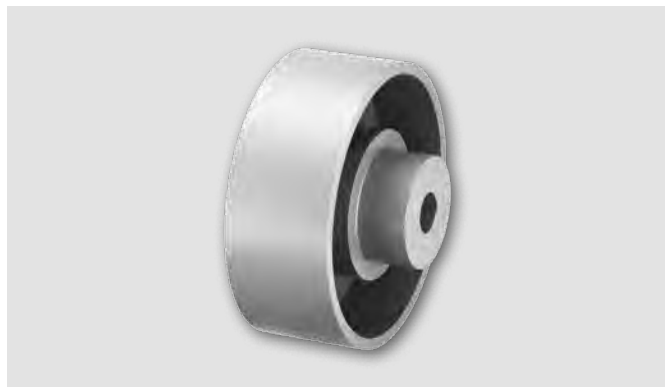
Disclaimer of liability

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Elastomer Jaw Couplings

RINGFEDER® TNM EBT

One part design with brake drum acc. to DIN 15431



Identifier	Size	A	SB	$T_{KNPb72}^{2)}$	$T_{KNPb82}^{2)}$	$T_{BR}^{4)}$	n_{max}	d_{1kmax}	d_{2kmax}	D_1	D_2	D_4	C_1
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
WNO511-200	112	200	75	150	230	450	4200	42	48	112	68	79	60
WNO512-200	128	200	75	250	380	550	4200	52	55	128	85	90	70
WNO514-250	148	250	95	390	600	1000	3400	58	65	148	94	107	80
WNO516-250	168	250	95	630	980	1600	3400	72	75	168	118	124	90
WNO516-315	168	315	118	630	980	1600	2700	72	75	168	118	124	90
WNO519-315	194	315	118	1050	1650	2750	2700	85	85	194	138	140	100
WNO521-315	214	315	118	1500	2400	3350	2700	92	95	214	153	157	110
WNO521-400	214	400	150	1500	2400	3350	2100	90	95	214	153	157	110
WNO524-400	240	400	150	2400	3700	4200	2100	102	110	240	168	179	120
WNO524-500	240	500	190	2400	3700	4200	1700	102	110	240	168	179	120
WNO526-500	265	500	190	3700	5800	8700	1700	120	120	265	198	198	140
WNO529-500	295	500	190	4900	7550	9800	1700	130	130	295	214	214	150
WNO529-630	295	630	236	4900	7550	9800	1360	130	130	295	214	214	150
WNO533-630	330	630	236	6400	9900	10600	1360	150	150	330	248	248	160
WNO533-710	330	710	265	6400	9900	10600	1200	150	150	330	248	248	160
WNO537-710	370	710	265	8900	14000	13500	1200	170	170	370	278	278	180
WNO541-710	415	710	265	13200	20500	16000	1200	185	190	415	308	315	200

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM EBT

Identifier	Size	C _B	L	L ₂	L ₃	E	F _E	G _{WBS} ¹⁾	G _{Wub}
		mm	mm	mm	mm	mm	mm	kg	kg
WN0511-200	112	11	123,5	38,5	38	3,5	+/- 1,0	7,3	9,9
WN0512-200	128	16	143,5	45,5	45	3,5	+/- 1,0	8,9	13,0
WN0514-250	148	16	163,5	52,5	52	3,5	+/- 1,0	14,8	21,1
WN0516-250	168	19	183,5	56,5	56	3,5	+/- 1,5	18,1	27,7
WN0516-315	168	8	183,5	56,5	56	3,5	+/- 1,5	27,2	36,9
WN0519-315	194	16,5	203,5	62,5	62	3,5	+/- 1,5	30,8	44,7
WN0521-315	214	19	224	68,5	68	4	+/- 2,0	36,0	55,0
WN0521-400	214	12,5	224	68,5	68	4	+/- 2,0	51,7	70,8
WN0524-400	240	18	244	75,5	75	4	+/- 2,0	57,7	84,4
WN0524-500	240	9	244	75,5	75	4	+/- 2,0	84,5	111,4
WN0526-500	265	22	285,5	90,5	90	5,5	+/- 2,5	96,6	134,1
WN0529-500	295	30	308	98,5	98	8	+/- 2,5	106,0	153,9
WN0529-630	295	5	308	98,5	98	8	+/- 2,5	159,7	207,5
WN0533-630	330	11	328	104,5	104	8	+/- 2,5	176,7	243,1
WN0533-710	330	0	328	104,5	104	8	+/- 2,5	214,9	281,3
WN0537-710	370	15	368	118,5	118	8	+/- 2,5	242,3	366,2
WN0541-710	415	25	408	135,5	135	8	+/- 2,5	285,8	415,4

¹⁾ Weight inclusive the half share of the intermediate ring

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

⁴⁾ Choose brake drum assembly in a way, that brake torque does not affect intermediate ring

Explanation

A = Max. outer diameter	d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	L = Total length
SB = Disc width	d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L₂ = Length on the hub
T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	D₁ = Outer diameter	L₃ = Length
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	D₂ = Outer diameter hub	E = Gap width between left and right component
T_{BR} = Brake torque	D₄ = Outer diameter hub	F_E = Tolerance of the gap width E
n_{max} = Max. rotation speed	C₁ = Guided length in hub bore	G_{WBS} = Weight of part with brake disc, unbored
	C_B = Brake disc distance	G_{Wub} = Weight, unbored

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁵⁾	Further details
WN0519-315	194	80	62	Pb82	*

Further information on
RINGFEDER® TNM EBT
 on www.ringfeder.com

⁵⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

⁶⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

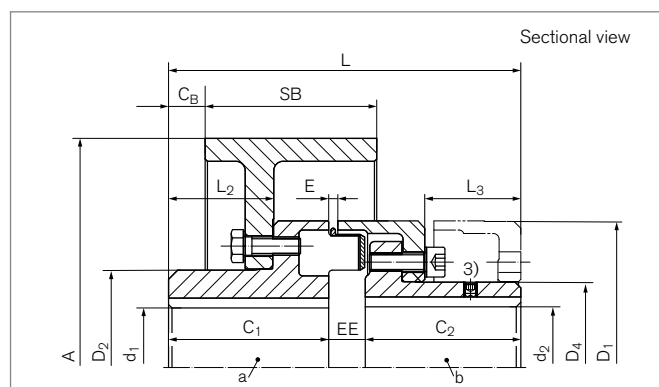
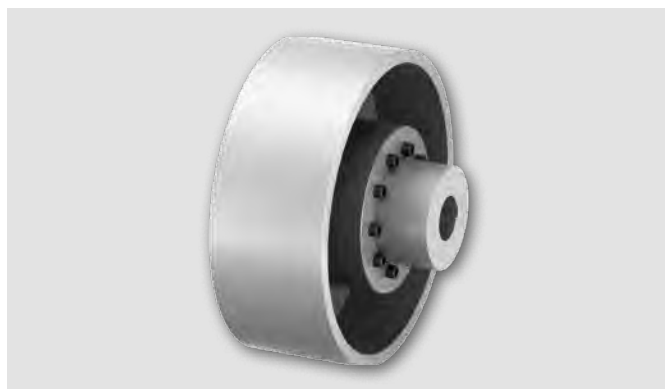
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Elastomer Jaw Couplings

RINGFEDER® TNM GBT

Multi-part design, to change the intermediate ring without axial movement of the driven parts with brake drum acc. to DIN 15431



Identifier	Size	A	SB	T _{KNPb72} ²⁾	T _{KNPb82} ²⁾	T _{BR} ⁴⁾	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	D ₄	C ₁	C ₂
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm
WN0611-200	112	200	75	150	230	450	4200	42	46	112	68	64,5	60	58
WN0612-200	128	200	75	250	380	550	4200	52	53	128	85	74,5	70	68
WN0614-250	148	250	95	390	600	1000	3400	58	65	148	94	92,5	80	78
WN0616-250	168	250	95	630	980	1600	3400	72	75	168	118	104,5	90	87
WN0616-315	168	315	118	630	980	1600	2700	72	75	168	118	104,5	90	87
WN0619-315	194	315	118	1050	1650	2750	2700	85	85	194	138	121,5	100	97
WN0621-315	214	315	118	1500	2400	3350	2700	92	95	214	153	135,5	110	107
WN0621-400	214	400	150	1500	2400	3350	2100	92	95	214	153	135,5	110	107
WN0624-400	240	400	150	2400	3700	4200	2100	102	100	240	168	146	120	117
WN0624-500	240	500	190	2400	3700	4200	1700	102	100	240	168	146	120	117
WN0626-500	265	500	190	3700	5800	8700	1700	120	115	265	198	164	140	137
WN0629-500	295	500	190	4900	7550	9800	1700	130	130	295	214	181	150	147
WN0629-630	295	630	236	4900	7550	9800	1360	130	130	295	214	181	150	147
WN0633-630	330	630	236	6400	9900	10600	1360	150	135	330	248	208	160	156
WN0633-710	330	710	265	6400	9900	10600	1200	150	135	330	248	208	160	156
WN0637-710	370	710	265	8900	14000	13500	1200	170	160	370	278	241	180	176
WN0641-710	415	710	265	13200	20500	16000	1200	185	180	415	308	275	200	196

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM GBT

Identifier	Size	C _B	L	L ₂	L ₃	E	F _E	EE	G _{WBS} ¹⁾	G _{Wub}
		mm	mm	mm	mm	mm	mm	mm	kg	kg
WN0611-200	112	11	133	38,5	32,5	3,5	+/- 1,0	15	7,3	10,2
WN0612-200	128	16	154	45,5	42	3,5	+/- 1,0	16	8,9	13,0
WN0614-250	148	16	176	52,5	47	3,5	+/- 1,0	18	14,8	21,5
WN0616-250	168	19	198	56,5	52,5	3,5	+/- 1,5	21	18,1	17,8
WN0616-315	168	8	198	56,5	52,5	3,5	+/- 1,5	21	27,2	37,0
WN0619-315	194	16,5	221	62,5	60	3,5	+/- 1,5	24	30,8	45,4
WN0621-315	214	19	243	68,5	66,5	4	+/- 2,0	26	36,0	55,6
WN0621-400	214	12,5	243	68,5	66,5	4	+/- 2,0	26	51,7	71,4
WN0624-400	240	18	267	75,5	75,5	4	+/- 2,0	30	57,7	83,5
WN0624-500	240	9	267	75,5	75,5	4	+/- 2,0	30	84,5	110,5
WN0626-500	265	22	310	90,5	89	5,5	+/- 2,5	33	96,6	134,4
WN0629-500	295	30	334	98,5	96	8	+/- 2,5	37	106,0	155,5
WN0629-630	295	5	334	98,5	96	8	+/- 2,5	37	159,7	209,1
WN0633-630	330	11	356	104,5	101,5	8	+/- 2,5	40	176,7	240,2
WN0633-710	330	0	356	104,5	101,5	8	+/- 2,5	40	214,9	278,3
WN0637-710	370	15	399	118,5	117	8	+/- 2,5	43	242,3	332,0
WN0641-710	415	25	441	135,5	131	8	+/- 2,5	45	285,8	414,3

¹⁾ Weight inclusive the half share of the intermediate ring

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

⁴⁾ Choose brake drum assembly in a way, that brake torque does not affect intermediate ring

Explanation

A = Max. outer diameter	d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L₂ = Length on the hub
SB = Disc width	D₁ = Outer diameter	L₃ = Length
T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	D₂ = Outer diameter hub	E = Gap width between left and right component
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	D₄ = Outer diameter hub	F_E = Tolerance of the gap width E
T_{BR} = Brake torque	C₁ = Guided length in hub bore	EE = Distance of the hubs
n_{max} = Max. rotation speed	C₂ = Guided length in hub bore	G_{WBS} = Weight of part with brake disc, unbored
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	C_B = Brake disc distance	G_{Wub} = Weight, unbored
	L = Total length	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁵⁾	Further details
WN0619-315	194	80	62	Pb82	*

Further information on
RINGFEDER® TNM GBT
 on www.ringfeder.com

⁵⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

⁶⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

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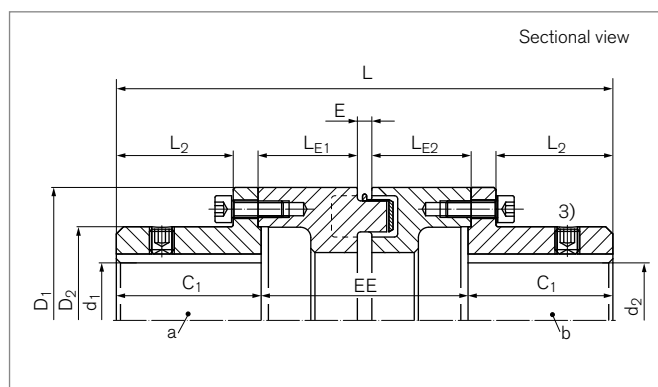
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Elastomer Jaw Couplings

RINGFEDER® TNM H

Multi-part design, to remove the intermediate spacer.

Disassembly of the pump impeller without axial movement of the driven parts



Identifier	Size	$T_{KNPb72}^{2)}$	$T_{KNPb82}^{2)}$	n_{max}	d_{1kmax}	d_{2kmax}	D_1	D_2	C_1
		Nm	Nm	1/min	mm	mm	mm	mm	mm
WN0706-100	67	22	35	5000	30	30	67	45	30
WN0706-120	67	22	35	5000	30	30	67	45	30
WN0706-140	67	22	35	5000	30	30	67	45	30
WN0708-100	82	48	75	5000	35	35	82	53	40
WN0708-120	82	48	75	5000	35	35	82	53	40
WN0708-140	82	48	75	5000	35	35	82	53	40
WN0709-100	97	96	150	5000	45	45	97	66	50
WN0709-120	97	96	150	5000	45	45	97	66	50
WN0709-140	97	96	150	5000	45	45	97	66	50
WN0711-100	112	150	230	5000	50	50	112	79	60
WN0711-120	112	150	230	5000	50	50	112	79	60
WN0711-140	112	150	230	5000	50	50	112	79	60
WN0712-100	128	250	380	5000	60	60	128	90	70
WN0712-120	128	250	380	5000	60	60	128	90	70
WN0712-140	128	250	380	5000	60	60	128	90	70
WN0712-180	128	250	380	5000	60	60	128	90	70
WN0714-100	148	390	600	4500	65	65	148	107	80
WN0714-140	148	390	600	4500	65	65	148	107	80
WN0714-180	148	390	600	4500	65	65	148	107	80
WN0716-100	168	630	980	4000	75	75	168	124	90
WN0716-140	168	630	980	4000	75	75	168	124	90
WN0716-180	168	630	980	4000	75	75	168	124	90
WN0719-100	194	1050	1650	3500	85	85	194	140	100
WN0719-140	194	1050	1650	3500	85	85	194	140	100
WN0719-180	194	1050	1650	3500	85	85	194	140	100
WN0719-250	194	1050	1650	3500	85	85	194	140	100
WN0721-100	214	1500	2400	3000	95	95	214	157	110

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Elastomer Jaw Couplings RINGFEDER® TNM H

Identifier	Size	T _{KNPb72} ²⁾	T _{KNPb82} ²⁾	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	C ₁
		Nm	Nm	1/min	mm	mm	mm	mm	mm
WN0721-140	214	1500	2400	3000	95	95	214	157	110
WN0721-180	214	1500	2400	3000	95	95	214	157	110
WN0721-250	214	1500	2400	3000	95	95	214	157	110
WN0724-100	240	2400	3700	2750	110	110	240	179	120
WN0724-140	240	2400	3700	2750	110	110	240	179	120
WN0724-180	240	2400	3700	2750	110	110	240	179	120
WN0724-250	240	2400	3700	2750	110	110	240	179	120
WN0726-100	265	3700	5800	2500	120	120	265	198	140
WN0726-140	265	3700	5800	2500	120	120	265	198	140
WN0726-180	265	3700	5800	2500	120	120	265	198	140
WN0726-250	265	3700	5800	2500	120	120	265	198	140
WN0729-140	295	4900	7550	2250	130	130	295	214	150
WN0729-180	295	4900	7550	2250	130	130	295	214	150
WN0729-250	295	4900	7550	2250	130	130	295	214	150
WN0733-140	330	6400	9900	2000	150	150	330	248	160
WN0733-180	330	6400	9900	2000	150	150	330	248	160
WN0733-250	330	6400	9900	2000	150	150	330	248	160

Identifier	Size	L	L ₂	L _{E1}	L _{E2}	E	F _E	EE	G _{WZW}	G _{Wub}
		mm	mm	mm	mm	mm	mm	mm	kg	kg
WN0706-100	67	160	20	48,5	48,5	5	+/- 0,5	100	1,4	2,5
WN0706-120	67	180	20	48,5	68,5	5	+/- 0,5	120	1,7	2,8
WN0706-140	67	200	20	68,5	68,5	5	+/- 0,5	140	2,0	3,1
WN0708-100	82	180	28	48,5	48,5	5	+/- 1,0	100	2,0	4,0
WN0708-120	82	200	28	48,5	68,5	5	+/- 1,0	120	2,4	4,0
WN0708-140	82	220	28	68,5	68,5	5	+/- 1,0	140	2,8	4,9
WN0709-100	97	200	37	48,5	48,5	5	+/- 1,0	100	2,8	6,4
WN0709-120	97	220	37	48,5	68,5	5	+/- 1,0	120	3,5	7,0
WN0709-140	97	240	37	68,5	68,5	5	+/- 1,0	140	4,1	7,7
WN0711-100	112	220	46,5	48	48	7	+/- 1,0	100	3,8	9,5
WN0711-120	112	240	46,5	48	68	7	+/- 1,0	120	4,6	10,3
WN0711-140	112	260	46,5	68	68	7	+/- 1,0	140	5,4	11,1
WN0712-100	128	240	56,5	48	48	7	+/- 1,0	100	4,8	13,2
WN0712-120	128	260	56,5	48	68	7	+/- 1,0	120	5,8	14,2
WN0712-140	128	280	56,5	68	68	7	+/- 1,0	140	6,7	15,1
WN0712-180	128	320	56,5	88	88	7	+/- 1,0	180	8,6	17,0
WN0714-100	148	260	64,5	48	48	7	+/- 1,0	100	6,0	18,4
WN0714-140	148	300	64,5	48	88	7	+/- 1,0	140	8,4	20,8
WN0714-180	148	340	64,5	88	88	7	+/- 1,0	180	10,8	23,3
WN0716-100	168	280	73,5	48	48	7	+/- 1,5	100	7,6	26,0
WN0716-140	168	320	73,5	48	88	7	+/- 1,5	140	10,5	28,9
WN0716-180	168	360	73,5	88	88	7	+/- 1,5	180	13,3	31,8
WN0719-100	194	300	82,5	48	48	7	+/- 1,5	100	9,4	35,7
WN0719-140	194	340	82,5	48	88	7	+/- 1,5	140	12,9	39,1
WN0719-180	194	380	82,5	88	88	7	+/- 1,5	180	16,3	42,6
WN0719-250	194	450	82,5	123	123	7	+/- 1,5	250	22,4	48,7
WN0721-100	214	320	90,5	48	48	7	+/- 1,5	100	11,5	47,6
WN0721-140	214	360	90,5	48	88	7	+/- 1,5	140	15,7	51,8
WN0721-180	214	400	90,5	88	88	7	+/- 1,5	180	19,9	56,0
WN0721-250	214	470	90,5	123	123	7	+/- 1,5	250	27,2	63,3

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNM H

Identifier	Size	L	L ₂	LE ₁	LE ₂	E	F _E	EE	Gw _{ZW}	Gw _{ub}
		mm	mm	mm	mm	mm	mm	mm	kg	kg
WN0724-100	240	340	98	48	48	8	+/- 1,5	100	15,8	66,5
WN0724-140	240	380	98	48	88	8	+/- 1,5	140	19,9	70,6
WN0724-180	240	420	98	88	88	8	+/- 1,5	180	24,0	74,7
WN0724-250	240	490	98	123	123	8	+/- 1,5	250	31,8	82,5
WN0726-100	265	380	117	48	48	8	+/- 1,5	100	19,6	91,1
WN0726-140	265	420	117	48	88	8	+/- 1,5	140	23,6	95,1
WN0726-180	265	460	117	88	88	8	+/- 1,5	180	27,6	99,1
WN0726-250	265	530	117	123	123	8	+/- 1,5	250	38,0	109,5
WN0729-140	295	440	122	67	67	10	+/- 2,5	140	31,2	123,5
WN0729-180	295	480	122	87	87	10	+/- 2,5	180	37,9	130,2
WN0729-250	295	550	122	122	122	10	+/- 2,5	250	47,9	140,2
WN0733-140	330	460	128	67	67	10	+/- 2,5	140	40,9	171,7
WN0733-180	330	500	128	87	87	10	+/- 2,5	180	49,7	180,5
WN0733-250	330	570	128	122	122	10	+/- 2,5	250	64,5	195,3

¹⁾ Mass information for unbored coupling parts

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

Explanation

T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	D₁ = Outer diameter	F_E = Tolerance of the gap width E
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	D₂ = Outer diameter hub	EE = Distance of the hubs
n_{max} = Max. rotation speed	C₁ = Guided length in hub bore	Gw_{ZW} = Spacer weight
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	L = Total length	Gw_{ub} = Weight, unbored
d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L₂ = Length on the hub	
	LE₁ = Spacer Length	
	LE₂ = Spacer Length	
	E = Gap width between left and right component	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁴⁾	Further details
WN0714-180	148	65	50	Pb82	*

⁴⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

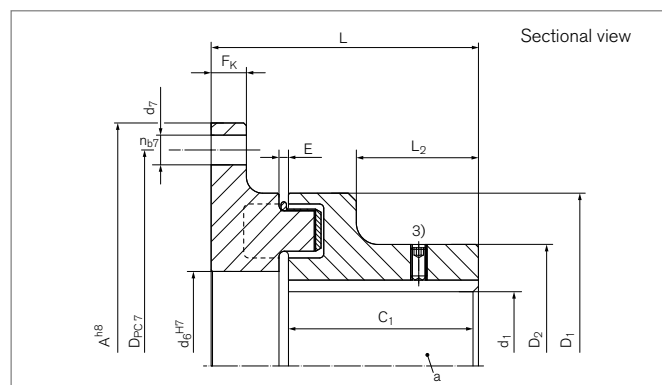
⁵⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

Further information on
RINGFEDER® TNM H
on www.ringfeder.com

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RINGFEDER® TNM LE



Identifier	Size	A ⁴⁾	T _{KNPb72} ²⁾	T _{KNPb82} ²⁾	n _{max}	d _{1kmax}	D ₁	D ₂	C ₁
		mm	Nm	Nm	1/min	mm	mm	mm	mm
WN0806-106	67	106	22	35	5000	28	67	46	30
WN0808-120	82	120	48	75	5000	32	82	53	40
WN0809-144	97	144	96	150	5000	45	97	69	50
WN0811-158	112	158	150	230	5000	48	112	79	60
WN0812-180	128	180	250	380	5000	55	128	90	70
WN0814-200	148	200	390	600	4500	65	148	107	80
WN0816-220	168	220	630	980	4000	75	168	124	90
WN0819-248	194	248	1050	1650	3500	85	194	140	100
WN0821-274	214	274	1500	2400	3000	95	214	157	110
WN0824-314	240	314	2400	3700	2750	110	240	179	120
WN0826-344	265	344	3700	5800	2500	120	265	198	140
WN0829-380	295	380	4900	7550	2250	130	295	214	150
WN0833-430	330	430	6400	9900	2000	150	330	248	160
WN0837-480	370	480	8900	14000	1750	170	370	278	180
WN0841-575	415	575	13200	20500	1500	190	415	315	200
WN0848-615	480	615	18000	28000	1400	210	480	315	220
WN0857-692	575	692	27000	41000	1200	230	575	350	240

Ringfeder Power Transmission GmbH
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Elastomer Jaw Couplings RINGFEDER® TNM LE

Identifier	Size	F _K	d ₆	D _{PC7}	n _{b7}	d ₇	L	L ₂	E	F _E	GW _{FL} ¹⁾	GW _{ub}
		mm	mm	mm		mm	mm	mm	mm	mm	kg	kg
WN0806-106	67	8	30	94	6	6,6	47,5	15	2,5	+/- 0,5	0,5	1,0
WN0808-120	82	8	40	108	6	6,6	59	24	3	+/- 1,0	0,7	2,6
WN0809-144	97	10	50	128	6	9	73	30	3	+/- 1,0	1,2	2,9
WN0811-158	112	10	60	142	6	9	85,5	38	3,5	+/- 1,0	1,6	4,2
WN0812-180	128	13	70	160	6	11	98,5	45	3,5	+/- 1,0	2,5	6,6
WN0814-200	148	13	90	180	7	11	111,5	52	3,5	+/- 1,0	3,1	9,4
WN0816-220	168	13	100	200	8	11	127,5	56	3,5	+/- 1,5	4,3	13,9
WN0819-248	194	16	115	224	8	14	141,5	62	3,5	+/- 1,5	6,3	20,3
WN0821-274	214	16	130	250	8	14	156	68	4	+/- 2,0	8,2	27,9
WN0824-314	240	20	145	282	8	18	169	75	4	+/- 2,0	11,8	38,5
WN0826-344	265	20	160	312	8	18	195,5	90	5,5	+/- 2,5	15,6	53,1
WN0829-380	295	22	170	348	9	18	210	98	8	+/- 2,5	20,7	68,6
WN0833-430	330	25	200	390	9	22	224	104	8	+/- 2,5	28,1	94,6
WN0837-480	370	25	235	440	10	22	250	118	8	+/- 2,5	36,2	130,1
WN0841-575	415	30	270	528	10	26	273	135	8	+/- 2,5	55,4	185,1
WN0848-615	480	30	320	568	10	26	293	150	8	+/- 2,5	62,4	226,8
WN0857-692	575	30	400	645	10	26	313	170	8	+/- 2,5	74,7	308,2

¹⁾ Weight inclusive the half share of the intermediate ring

RINGFEDER® TNM with SAE flange on request

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper

„RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand⁴⁾ Other flange dimensions on request

Explanation

A = Max. outer diameter	D₁ = Outer diameter	L = Total length
T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	D₂ = Outer diameter hub	L₂ = Length on the hub
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	C₁ = Guided length in hub bore	E = Gap width between left and right component
n_{max} = Max. rotation speed	F_K = Flange thickness	F_E = Tolerance of the gap width E
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	d₆ = Inner diameter	GW_{FL} = Weight flange side
	D_{PC7} = Pitch circle diameter of bore holes d ₇	GW_{ub} = Weight, unbored
	n_{b7} = Quantity of bore d ₇	
	d₇ = Bore diameter	

Ordering example

Identifier	Size	d _{1k}	Buffer identifier (optional) ⁵⁾	Further details
WN0819-248	148	80	Pb82	*

Further information on
RINGFEDER® TNM LE
 on www.ringfeder.com

⁵⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

^{*)} Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

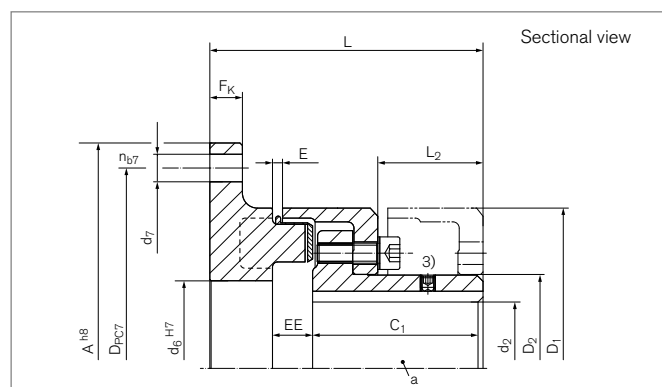
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Elastomer Jaw Couplings

RINGFEDER® TNM LG

Multi-part design, to change the intermediate ring without axial movement of the driven parts with flange, externally centred



Identifier	Size	A ⁴⁾	T _{KNPb72} ²⁾	T _{KNPb82} ²⁾	n _{max}	d _{1kmax}	D ₁	D ₂	C ₁
		mm	Nm	Nm	1/min	mm	mm	mm	mm
WN0908-120	82	120	48	75	5000	32	82	44,5	40
WN0909-144	97	144	96	150	5000	39	97	54,5	49
WN0911-158	112	158	150	230	5000	46	112	64,5	58
WN0912-180	128	180	250	380	5000	53	128	74,5	68
WN0914-200	148	200	390	600	4500	65	148	92,5	78
WN0916-220	168	220	630	980	4000	75	168	104,5	87
WN0919-248	194	248	1050	1650	3500	85	194	121,5	97
WN0921-274	214	274	1500	2400	3000	95	214	135,5	107
WN0924-314	240	314	2400	3700	2750	100	240	146	117
WN0926-344	265	344	3700	5800	2500	115	265	164	137
WN0929-380	295	380	4900	7550	2250	130	295	181	147
WN0933-430	330	430	6400	9900	2000	135	330	208	156
WN0937-480	370	480	8900	14000	1750	160	370	241	176
WN0941-575	415	575	13200	20500	1500	180	415	275	196
WN0948-615	480	615	18000	28000	1400	200	480	289	220
WN0957-692	575	692	27000	41000	1200	260	575	368	240

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Elastomer Jaw Couplings RINGFEDER® TNM LG

Identifier	Size	F _k	d ₆	D _{PC7}	n _{b7}	d ₇	L	L ₂	E	F _E	G _{wFL} ¹⁾	G _{wub}
		mm	mm	mm		mm	mm	mm	mm	mm	kg	kg
WN0908-120	82	8	40	108	6	6,6	68	20	3	+/- 1,0	0,7	1,8
WN0909-144	97	10	50	128	6	9	83	30,5	3	+/- 1,0	1,2	2,9
WN0911-158	112	10	60	142	6	9	95	32,5	3,5	+/- 1,0	1,6	4,4
WN0912-180	128	13	70	160	6	11	109	42	3,5	+/- 1,0	2,5	6,7
WN0914-200	148	13	90	180	7	11	124	47	3,5	+/- 1,0	3,1	9,8
WN0916-220	168	13	100	200	8	11	142	52,5	3,5	+/- 1,5	4,3	14,0
WN0919-248	194	16	115	224	8	14	159	60	3,5	+/- 1,5	6,3	21,0
WN0921-274	214	16	130	250	8	14	175	66,5	4	+/- 2,0	8,2	27,9
WN0924-314	240	20	145	282	8	18	192	75,5	4	+/- 2,0	11,8	37,6
WN0926-344	265	20	160	312	8	18	220	88	5,5	+/- 2,5	15,6	53,4
WN0929-380	295	22	170	348	9	18	236	96	8	+/- 2,5	20,7	70,2
WN0933-430	330	25	200	390	9	22	252	101,5	8	+/- 2,5	28,1	91,7
WN0937-480	370	25	235	440	10	22	281	117	8	+/- 2,5	36,2	126,0
WN0941-575	415	30	270	528	10	26	306	131	8	+/- 2,5	55,4	183,9
WN0948-615	480	30	320	568	10	26	330	149	8	+/- 2,5	62,4	244,7
WN0957-692	575	30	400	645	10	26	350	168	8	+/- 2,5	74,7	370,1

¹⁾ Weight inclusive the half share of the intermediate ring

RINGFEDER® TNM with SAE flange on request

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“³⁾ Set screw on demand⁴⁾ Other flange dimensions on request

Explanation

A = Max. outer diameter	D₂ = Outer diameter hub	E = Gap width between left and right component
T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	C₁ = Guided length in hub bore	F_E = Tolerance of the gap width E
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	F_k = Flange thickness	EE = Distance of the hubs
n_{max} = Max. rotation speed	d₆ = Inner diameter	G_{wFL} = Weight flange side
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	D_{PC7} = Pitch circle diameter of bore holes d ₇	G_{wub} = Weight, unbored
D₁ = Outer diameter	n_{b7} = Quantity of bore d ₇	
	d₇ = Bore diameter	
	L = Total length	
	L₂ = Length on the hub	

Ordering example

Identifier	Size	d _{1k}	Buffer identifier (optional) ⁵⁾	Further details
WN0919-248	194	80	Pb82	*

Further information on
RINGFEDER® TNM LG
 on www.ringfeder.com

⁵⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

⁶⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

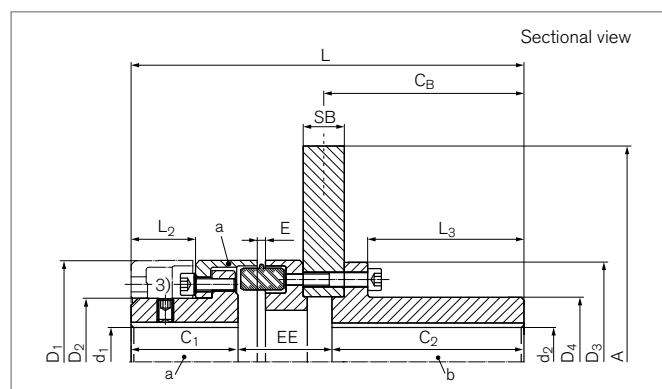
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Elastomer Jaw Couplings

RINGFEDER® TNM GHBS

With brake disc in steel, multi-part design, to change the intermediate ring and the brake disc without axial movement of the driven parts



Identifier	Size	A	SB	$T_{KNPb72}^{2)}$	$T_{KNPb82}^{2)}$	$T_{BR}^{4)}$	n_{max}	d_{1kmax}	d_{2kmax}	D_1	D_2	D_3	D_4	C_1	C_2
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm
WN1514-315	148	315	30	390	600	1000	4500	65	65	148	92,5	145	94	78	140
WN1516-355	168	355	30	630	980	1600	4000	75	80	168	104,5	168	115	87	140
WN1516-400	168	400	30	630	980	1600	4000	75	80	168	104,5	168	115	87	140
WN1516-450	168	450	30	630	980	1600	3750	75	80	168	104,5	168	115	87	140
WN1519-400	194	400	30	1050	1650	2750	3500	85	95	194	121,5	194	135	97	140
WN1519-560	194	560	30	1050	1650	2750	3000	85	95	194	121,5	194	135	97	140
WN1524-450	240	450	30	2400	3700	4200	2750	100	115	240	146	225	165	117	140
WN1524-560	240	560	30	2400	3700	4200	2750	100	115	240	146	225	165	117	140
WN1524-630	240	630	30	2400	3700	4200	2750	100	115	240	146	225	165	117	140
WN1526-500	265	500	30	3700	5800	8700	2500	115	135	265	164	265	195	137	140
WN1526-560	265	560	30	3700	5800	8700	2500	115	135	265	164	265	195	137	140
WN1526-710	265	710	30	3700	5800	8700	2400	115	135	265	164	265	195	137	140
WN1529-630	295	630	30	4900	7550	9800	2250	130	153	295	181	295	215	147	140
WN1529-710	295	710	30	4900	7550	9800	2250	130	153	295	181	295	215	147	140

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Elastomer Jaw Couplings RINGFEDER® TNM GHBS

Identifier	Size	C _B	L	L ₂	L ₃	E	F _E	EE	Gwa ¹⁾	Gw _{ub}
		mm	mm	mm	mm	mm	mm	mm	kg	kg
WN1514-315	148	146	286,5	47	119	6	+/- 1,0	68,5	6,7	34
WN1516-355	168	146	304,5	52,5	116	6	+/- 1,5	77,5	9,7	46
WN1516-400	168	146	304,5	52,5	116	6	+/- 1,5	77,5	9,7	52
WN1516-450	168	146	304,5	52,5	116	6	+/- 1,5	77,5	9,7	60
WN1519-400	194	146	321,5	60	112	6	+/- 1,5	84,5	14,6	63
WN1519-560	194	146	321,5	60	112	6	+/- 1,5	84,5	14,6	91
WN1524-450	240	146	354	75,5	109,5	6,5	+/- 2,0	97	25,7	92
WN1524-560	240	146	354	75,5	109,5	6,5	+/- 2,0	97	25,7	113
WN1524-630	240	146	354	75,5	109,5	6,5	+/- 2,0	97	25,7	128
WN1526-500	265	146	381,5	88	107	7	+/- 2,0	104,5	37,8	125
WN1526-560	265	146	381,5	88	107	7	+/- 2,0	104,5	37,8	137
WN1526-710	265	146	381,5	88	107	7	+/- 2,0	104,5	37,8	172
WN1529-630	295	146	396,5	96	106	8	+/- 2,0	109,5	49,3	175
WN1529-710	295	146	396,5	96	106	8	+/- 2,0	109,5	49,3	194

¹⁾ Weight inclusive the half share of the intermediate ring

²⁾ Attention on peak load – see chapter „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

³⁾ Set screw on demand

⁴⁾ Choose brake disc assembly in a way, that brake torque does not affect intermediate ring

Explanation

A = Max. outer diameter	d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L₂ = Length on the hub
SB = Disc width	D₁ = Outer diameter	L₃ = Length
T_{KNPb72} = Coupling nominal torque by using the elastic element Pb72	D₂ = Outer diameter hub	E = Gap width between left and right component
T_{KNPb82} = Coupling nominal torque by using the elastic element Pb82	D₃ = Outer diameter hub	F_E = Tolerance of the gap width E
T_{BR} = Brake torque	D₄ = Outer diameter hub	EE = Distance of the hubs
n_{max} = Max. rotation speed	C₁ = Guided length in hub bore	Gwa = Weight of subassembly a
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	C₂ = Guided length in hub bore	Gw_{ub} = Weight, unbored
	C_B = Brake disc distance	
	L = Total length	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Buffer identifier (optional) ⁵⁾	Further details
WN1519-560	194	80	62	Pb82	*

Further information on
RINGFEDER® TNM GHBS
on www.ringfeder.com

⁵⁾ Details on elastomer materials see chapter „Introduction“ and „RINGFEDER® TNM Basic information“ in Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

⁷⁾ Without any other specification, we deliver as a standard: with set screws and keyway acc. to DIN 6885-1, keyway side fit P9, bore tolerance H7

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