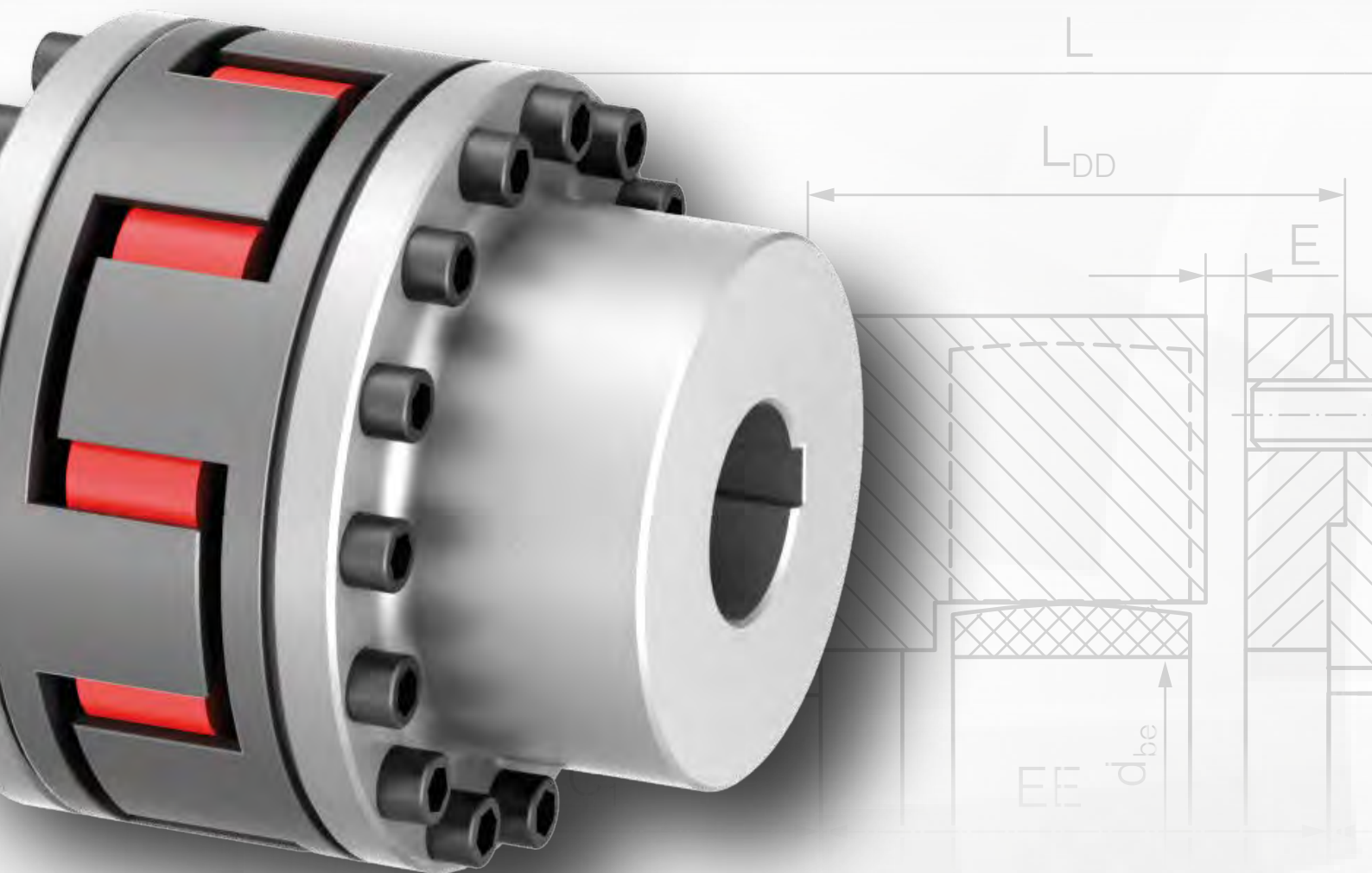


Elastomer Jaw Couplings



Elastomer Jaw Couplings RINGFEDER® TNS

RINGFEDER® TNS jaw couplings are used primarily as robust known drive components in heavy load areas such as drives in mining and ore production machines, in smelting and steelworks technology, cement works, as a connection coupling in bridge, container and casting cranes or in connection with fluid couplings in conveyor belt drives.

Characteristics · Advantages

- Torsionally flexible
- Damping of torsional vibrations
- Blind connection
- High breakage resistance through stable jaw design
- Many variations with modular design
- Large volume elastomers of different hardness levels are joined to an intermediate ring
- Max. Torque: 12–40 050 Nm

Basic information

Intermediate rings are available in four different material hardness levels (in Perbunan Pb72 and Pb82, in Vulkollan VkR and Vk60D) 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.

Torsional vibration analyses (TVA) 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	Torque with following buffer							
	Nm Pb72		Nm Pb82		Nm VkR		Nm Vk60D	
	T_{KN}	T_{Kmax}	T_{KN}	T_{Kmax}	T_{KN}	T_{Kmax}	T_{KN}	T_{Kmax}
50	4	12	7,3	22	15	40	-	-
70	16	48	29	87	55	160	-	-
85	24	72	40	120	75	225	110	330
100	40	120	70	210	130	390	195	585
125	70	210	128	385	250	750	370	1110
145	120	360	220	660	400	1200	600	1800
170	180	540	340	1020	630	1900	950	2850
200	330	990	590	1770	1100	3300	1650	4950
230	500	1500	900	2700	1700	5150	2580	7740
260	800	2400	1400	4200	2650	7950	3980	11940
300	1180	3540	2090	6270	3900	11070	5850	17550
360	1940	5820	3450	10350	6500	19500	9700	29100
400	2670	8010	4750	14250	8900	26700	13350	40050

T_{KN} = Nominal torque of coupling

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




Notes:

- Version based on type RINGFEDER® TNS S-St and flexible element VkR.
- Applies for small and medium moments of inertia on the output side.

Allocation of the RINGFEDER® TNS couplings to IEC standard motors Protection rating IP 54/IP 55 (intermediate ring VkR)

for rough determination of the coupling size in accordance with operating factors.

Size	Engine	kW	Coupling size	kW	Coupling size	kW	Coupling size	kW	Coupling size	Cyl. shaft end Ø 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	0,037	50	-	-	9 x 20	9 x 20
56	-	0,12	50	0,09	50	0,045	50	-	-	9 x 20	9 x 20
63	-	0,18	50	0,12	50	0,06	50	-	-	11 x 23	11 x 23
63	-	0,25	50	0,18	50	0,09	50	-	-	11 x 23	11 x 23
71	-	0,37	50	0,25	50	0,18	50	0,09	50	14 x 30	14 x 30
71	-	0,55	50	0,37	50	0,25	50	0,12	50	14 x 30	14 x 30
80	-	0,75	50	0,55	50	0,37	50	0,18	50	19 x 40	19 x 40
80	-	1,1	50	0,75	50	0,55	50	0,25	50	19 x 40	19 x 40
90	S	1,5	50	1,1	50	0,75	50	0,37	50	24 x 50	24 x 50
90	L	2,2	50	1,5	50	1,1	50	0,55	50	24 x 50	24 x 50
100	L	3	70	2,2	70	1,5	70	0,75	70	28 x 60	28 x 60
100	L	-	-	3	70	-	-	1,1	70	28 x 60	28 x 60
112	M	4	70	4	70	2,2	70	1,5	70	28 x 60	28 x 60
132	S	5,5	70	5,5	70	3	70	2,2	70	38 x 80	38 x 80
132	S	7,5	70	-	-	-	-	-	-	38 x 80	38 x 80
132	M	-	-	7,5	85	4	70	3	70	38 x 80	38 x 80
132	M	-	-	-	-	5,5	85	-	-	38 x 80	38 x 80
160	M	11	100	11	100	7,5	100	4	100	42 x 110	42 x 110

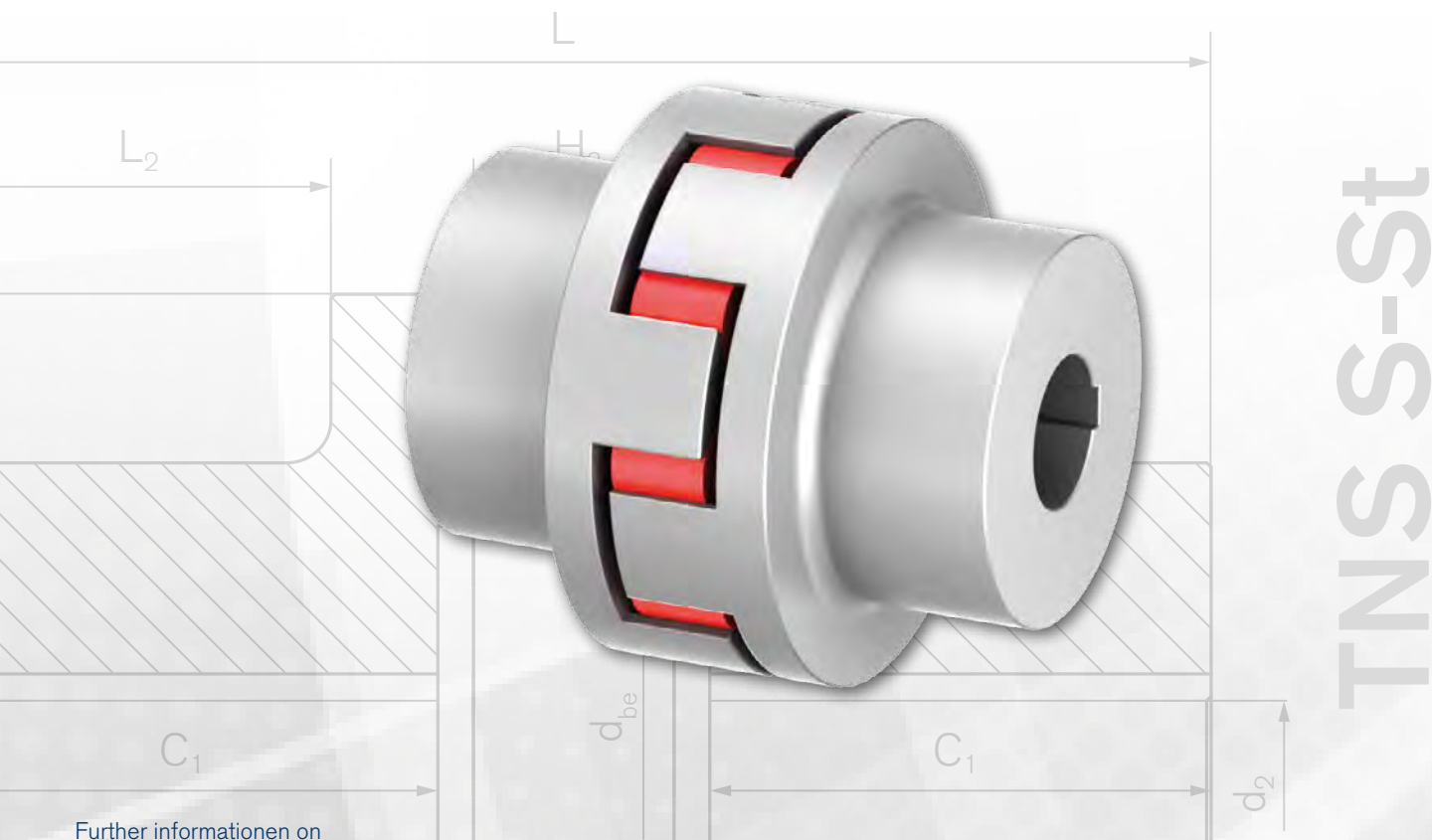
Continuation see next page



Size	Engine	kW	Coupling size	kW	Coupling size	kW	Coupling size	kW	Coupling size	Cyl. shaft end Ø 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
160	M	15	100	-	-	-	-	5,5	100	42 x 110	42 x 110
160	L	18,5	100	15	100	11	125	7,5	100	42 x 110	42 x 110
180	M	22	125	18,5	125	-	-	-	-	48 x 110	48 x 110
180	L	-	-	22	125	15	125	11	125	48 x 110	48 x 110
200	L	30	125	30	125	18,5	125	15	125	55 x 110	55 x 110
200	L	37	125	-	-	22	145	-	-	55 x 110	55 x 110
225	S	-	-	37	145	-	-	18,5	145	55 x 110	60 x 140
225	M	45	125	45	145	30	145	22	145	55 x 110	60 x 140
250	M	55	145	55	170	37	170	30	170	60 x 140	65 x 140
280	S	75	145	75	170	45	170	37	170	65 x 140	75 x 140
280	M	90	145	90	200	55	200	45	200	65 x 140	75 x 140
315	S	110	170	110	200	75	200	55	200	65 x 140	80 x 170
315	M	132	170	132	200	90	230	75	230	65 x 140	80 x 170
315	L	160	200	160	230	110	230	90	230	65 x 140	80 x 170
315	L	200	200	200	230	132	230	110	260	65 x 140	80 x 170
315	L	-	-	-	-	160	260	132	260	65 x 140	80 x 170
315	-	250	200	250	260	200	260	160	260	65 x 140	85 x 170
315	-	315	230	315	260	250	300	200	300	65 x 140	85 x 170
355	-	355	230	355	300	315	360	250	360	75 x 140	95 x 170
355	-	400	230	400	300	400	360	315	360	75 x 140	95 x 170
355	-	500	230	500	360	-	-	-	-	75 x 140	95 x 170
400	-	560	260	560	360	450	360	355	360	80 x 170	110 x 210
400	-	630	260	630	360	500	360	400	400	80 x 170	110 x 210
400	-	710	260	710	360	560	400	450	400	80 x 170	110 x 210
450	-	800	-	800	400	630	400	500	400	90 x 170	120 x 210
450	-	900	-	900	400	710	400	560	-	90 x 170	120 x 210
450	-	1000	-	1000	400	800	-	630	-	90 x 170	120 x 210

The allocation of the couplings takes place based on the type RINGFEDER® TNS S-St – VkR and takes into account a uniform torque at the operating point (minimum operating factor 1.25) with

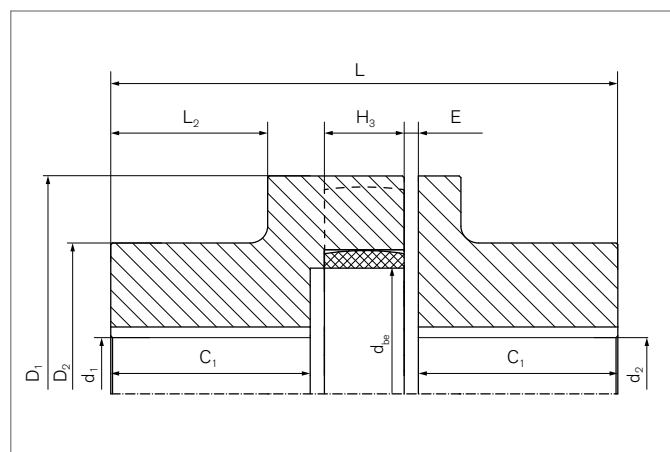
low variation and slight shocks and is valid up to an ambient temperature of +30 °C.



Further information on
RINGFEDER® TNS S-St
on www.ringfeder.com

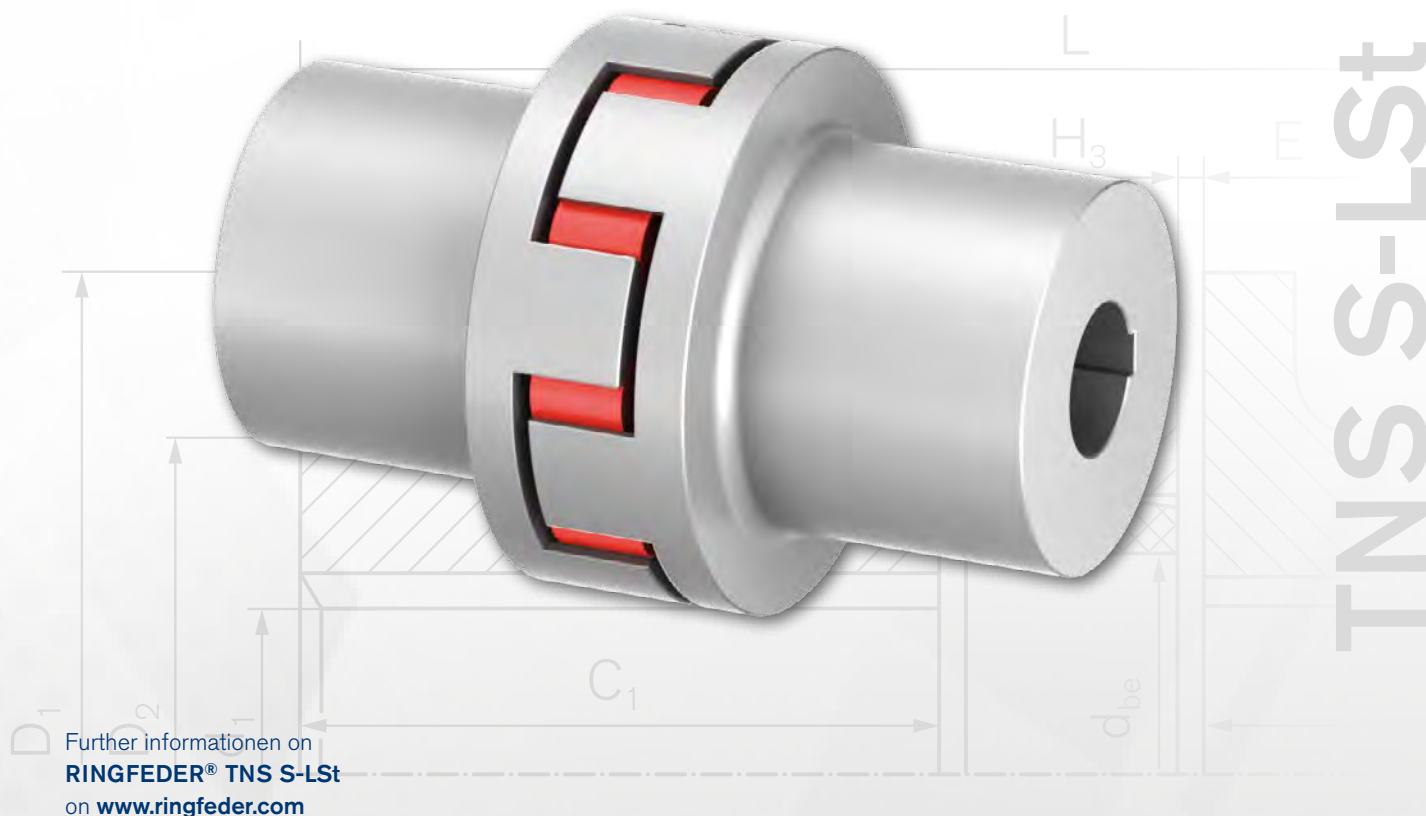
Coupling with standard hubs

The **RINGFEDER® TNS S-St** is a torsionally elastic 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 (Pb) or polyurethane (Vk), in standard VkR, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. The coupling can be used in any direction of rotation and installation position.



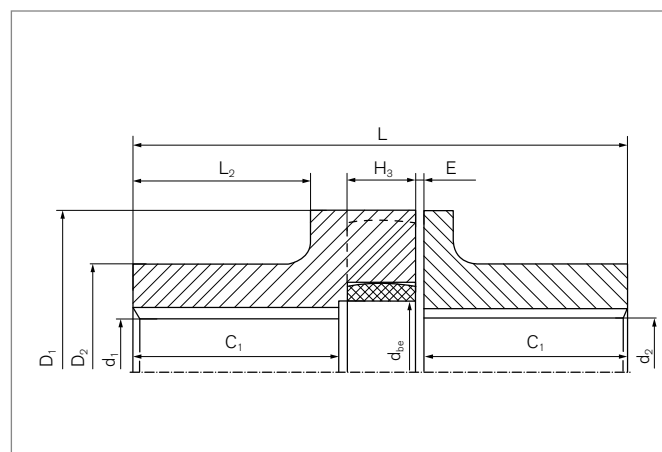
Characteristics

- The intermediate ring can be replaced after shifting a shaft with fitted hub.
- Torsionally flexible, compensate for angular, radial and axial shaft offset
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30 °C to +100 °C.
- Standard material for intermediate ring: VkR
- Compact design because of pre-compressed intermediate rings
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 13350 \text{ Nm}$ / $T_{Kmax} = 40050 \text{ Nm}$



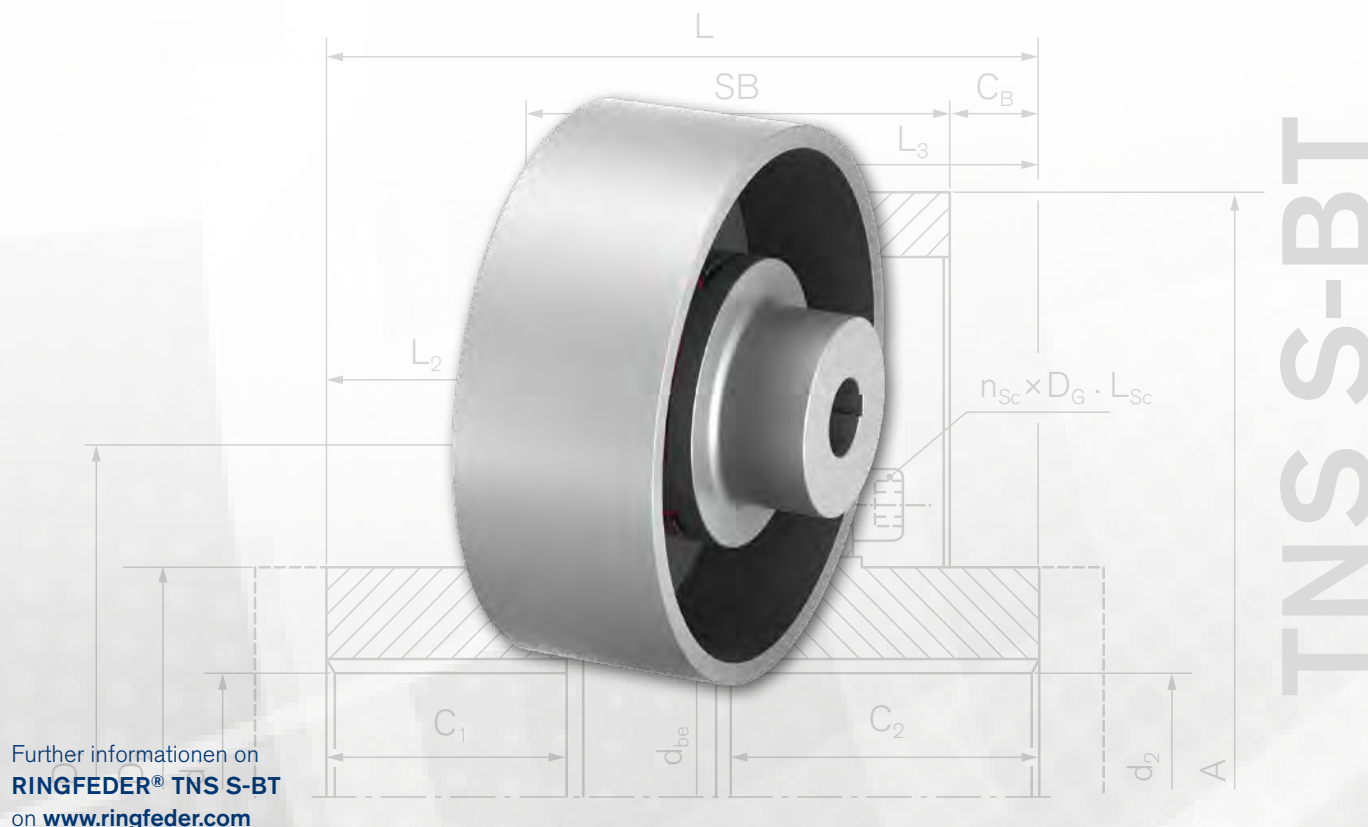
Coupling with extended hubs

The **RINGFEDER® TNS S-LSt** is a torsionally elastic and puncture-proof jaw coupling with extended hubs. 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 (Pb) or polyurethane (Vk), in standard VkR, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. The coupling can be used in any direction of rotation and installation position.



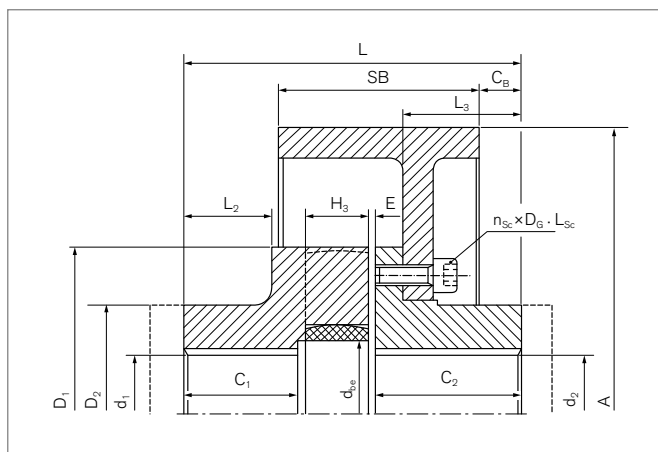
Characteristics

- The intermediate ring can be replaced after shifting a shaft with fitted hub.
- Torsionally flexible, compensate for angular, radial and axial shaft offset
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30 °C to $+100\text{ °C}$.
- Standard material for intermediate ring: VkR
- Compact design because of pre-compressed intermediate rings
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 13350\text{ Nm}$ / $T_{Kmax} = 40050\text{ Nm}$



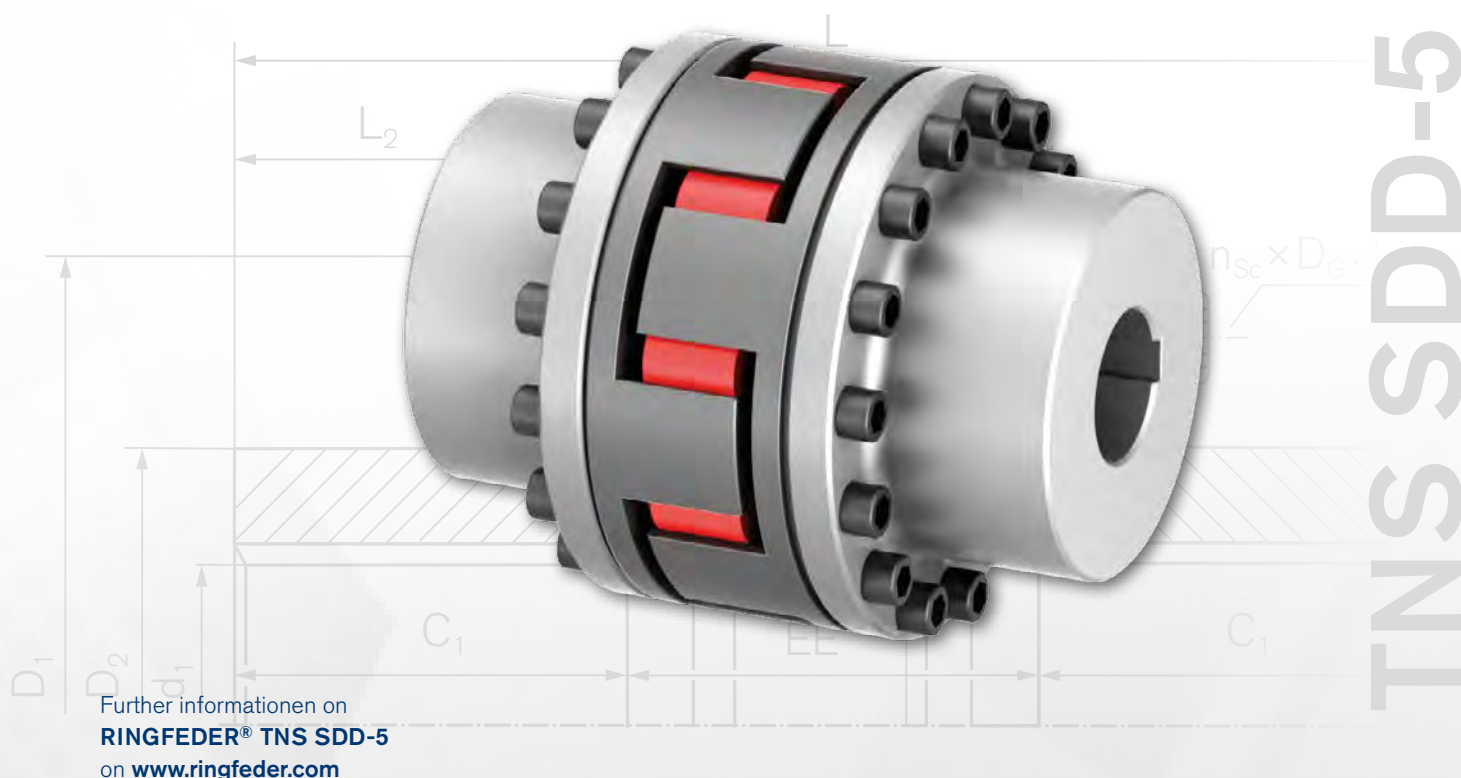
Coupling with standard hub and brake drum

The **RINGFEDER® TNS S-BT** is a torsionally elastic and puncture-proof jaw coupling with attached 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 (Pb) or polyurethane (Vk), in standard VkR, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. The coupling can be used in any direction of rotation and installation position. The brake drum should be connected to the load side.



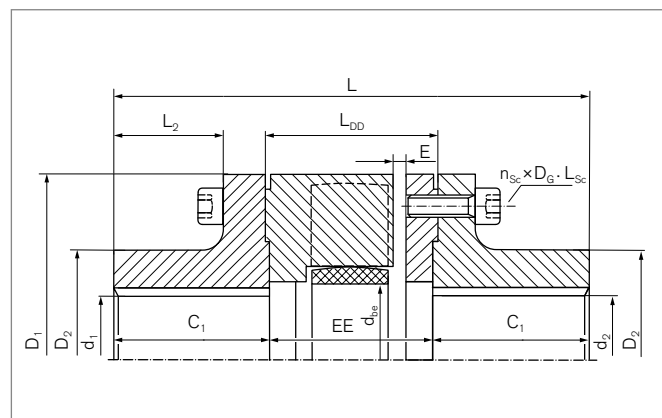
Characteristics

- The intermediate ring can be replaced after shifting a shaft with fitted hub.
- Torsionally flexible, compensate for angular, radial and axial shaft offset
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30 °C to +100 °C.
- Standard material for intermediate ring: VkR
- Compact design because of pre-compressed intermediate rings
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 13350 \text{ Nm}$ / $T_{Kmax} = 40050 \text{ Nm}$



Coupling with detachable claw rings

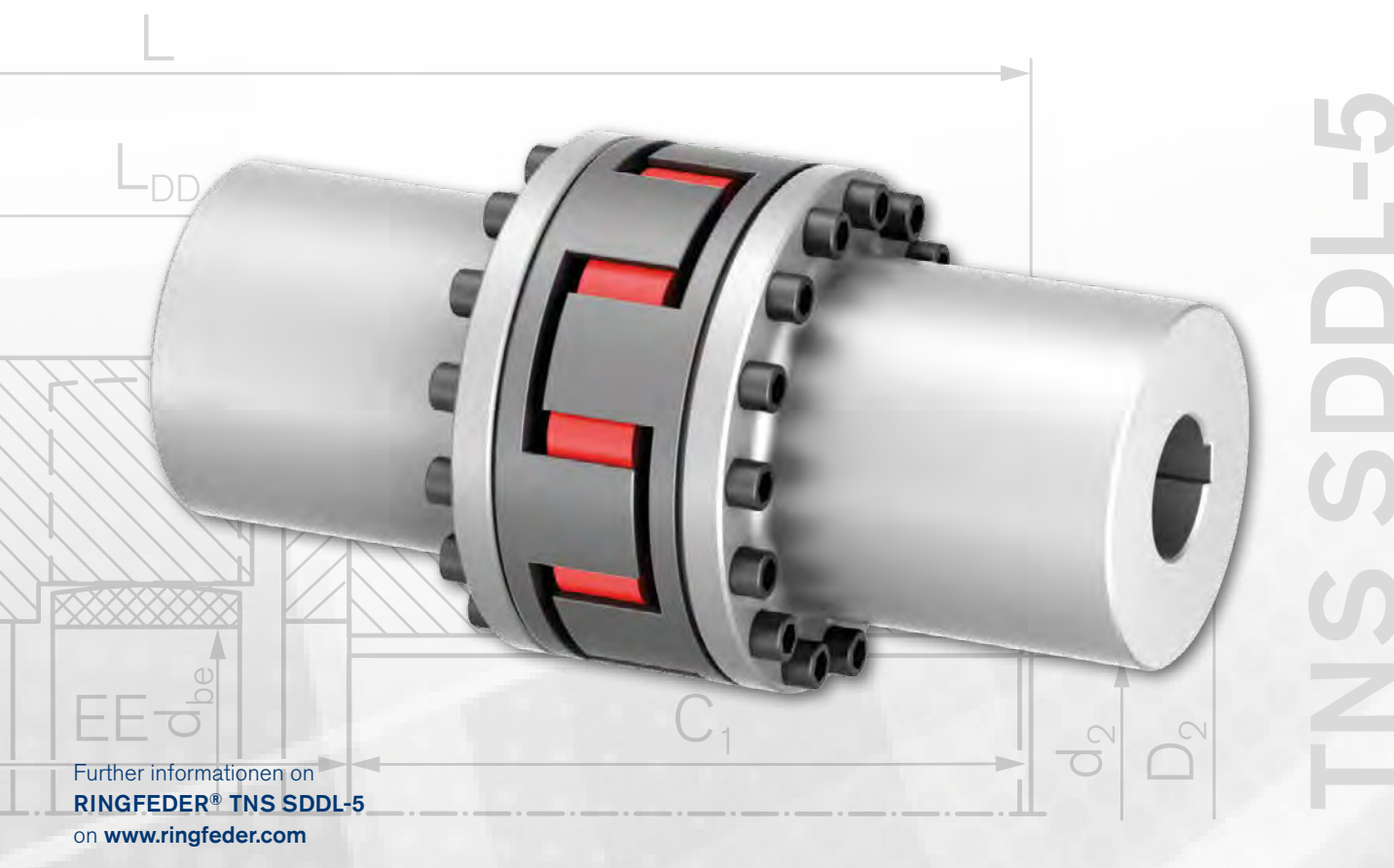
The **RINGFEDER® TNS SDD-5** is a torsionally elastic and puncture-proof multi-part jaw coupling with standard flange hubs and removable jaw rings. It balances out angular, radial and axial shaft offset within determined tolerances. The coupling transmits the torque via pre-compressed, elastic buffers in synthetic rubber (Pb) or polyurethane (Vk), in standard VkR, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. The coupling can be used in any direction of rotation and installation position. Radial installation and removal of the jaw rings are possible because both coupling halves are in two sections. Thus it is possible to change the elastic intermediate ring without moving the aggregates. When the jaw rings have been



dismounted it is also simple to carry out a check on the rotational direction of the drive.

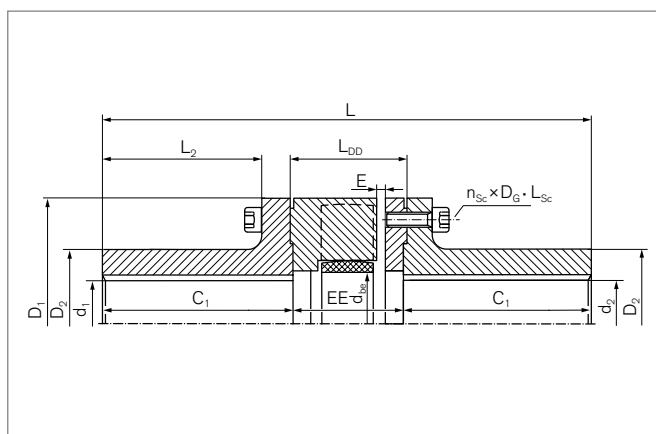
Characteristics

- The intermediate ring can be exchanged following removal of the jaw rings without moving a shaft.
- Rotational direction can be checked when jaw rings are dismounted
- Simplified assembly and maintenance of the drive line through improved accessibility
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30 °C to +100 °C.
- Standard material for intermediate ring: VkR
- Compact design because of pre-compressed intermediate rings
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 13350 \text{ Nm}$ / $T_{Kmax} = 40050 \text{ Nm}$



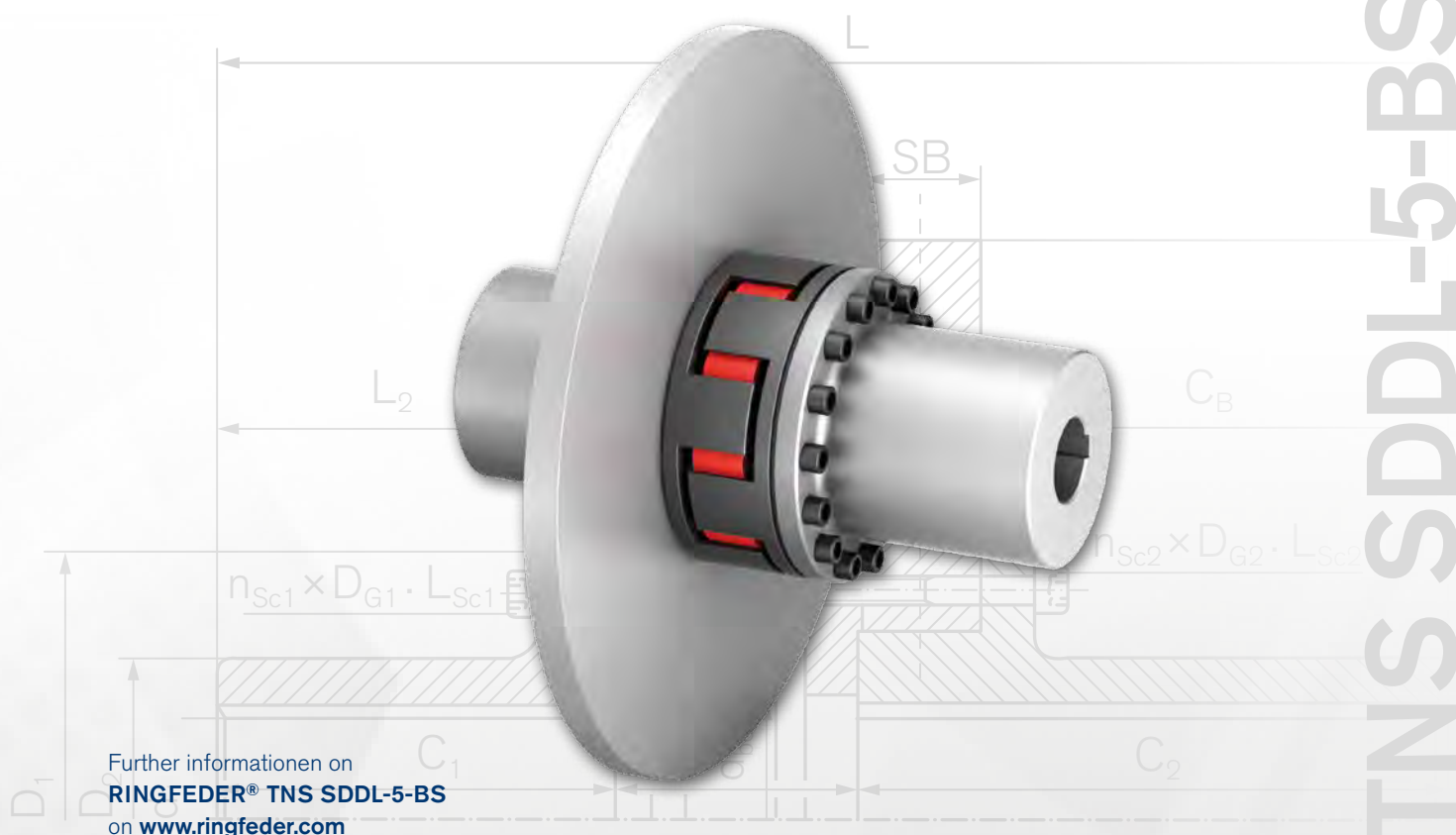
Coupling with detachable claw rings and long flange hubs

The **RINGFEDER® TNS SDDL-5** is a torsionally elastic and puncture-proof multi-part jaw coupling with long flange hubs and removable jaw rings. 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 (Pb) or polyurethane (Vk), in standard VkR, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. The coupling can be used in any direction of rotation and installation position. Radial installation and removal of the jaw rings are possible because both coupling halves are in two sections. Thus it is possible to change the elastic intermediate ring without moving the aggregates. When the jaw rings have been dismantled it is also simple to carry out a check on the rotational direction of the drive.



Characteristics

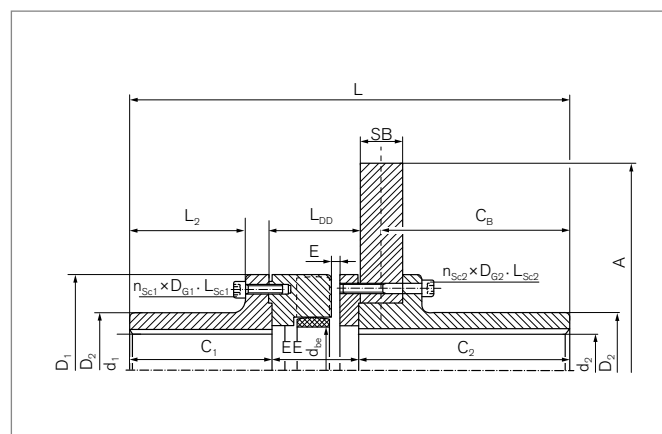
- The intermediate ring can be exchanged following removal of the jaw rings without moving a shaft.
- Rotational direction can be checked when jaw rings are dismantled
- Simplified assembly and maintenance of the drive line through improved accessibility
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30 °C to +100 °C.
- Standard material for intermediate ring: VkR
- Compact design because of pre-compressed intermediate rings
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 13350 \text{ Nm}$ / $T_{Kmax} = 40050 \text{ Nm}$



TNS SDDL-5-BS

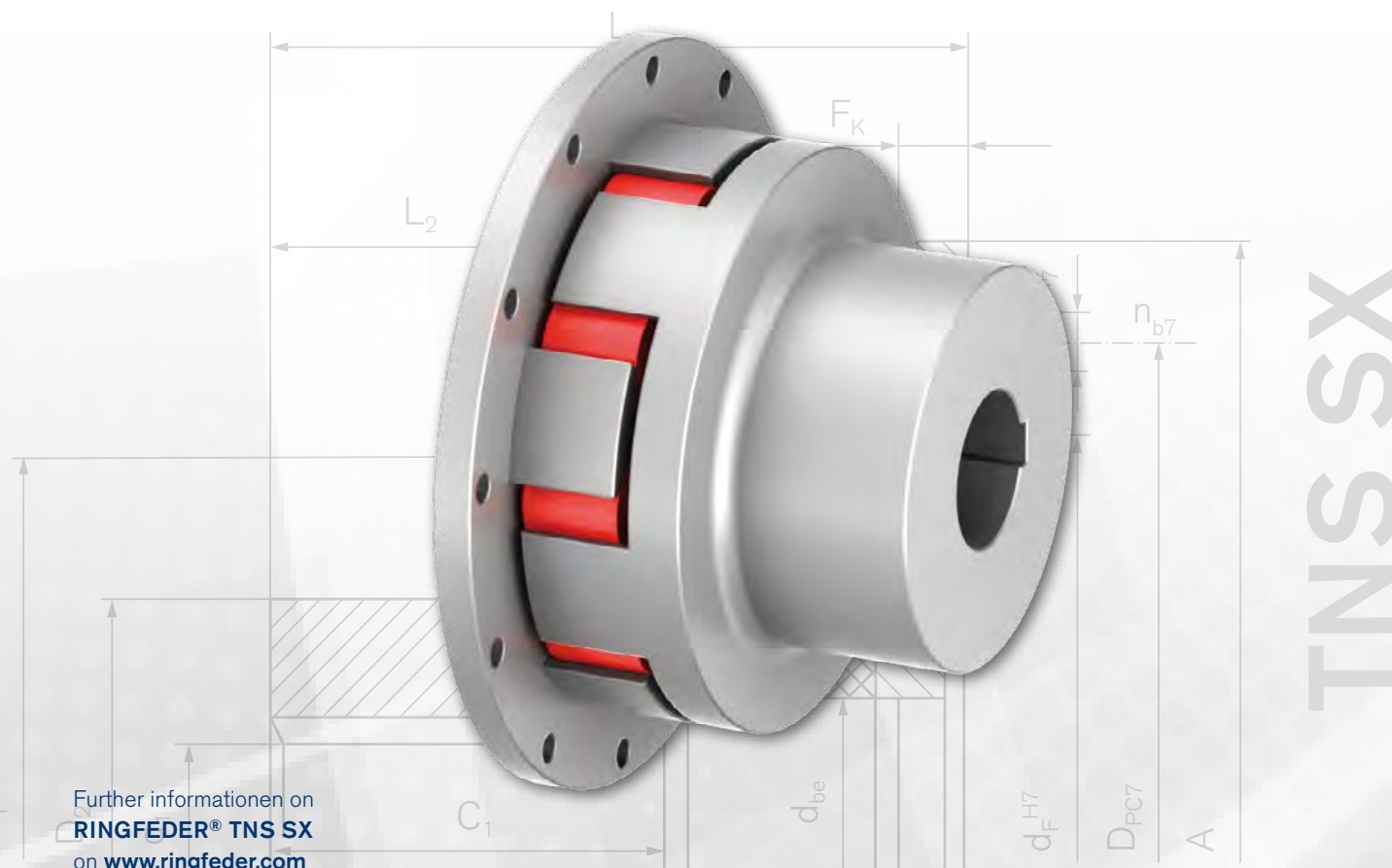
Coupling with detachable claw rings, long hubs and brake disc

The **RINGFEDER® TNS SDDL-5-BS** is a torsionally elastic and puncture-proof multi-part jaw coupling with a brake disc and removable jaw rings. The coupling transmits the torque via pre-compressed, elastic buffers in polyurethane (Vk) in standard Vk60D, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. Radial installation and removal of the jaw rings and then the brake disc are possible because both coupling halves are in two sections. Thus it is possible to exchange the elastic intermediate ring without moving the aggregates. When the jaw rings and brake disc have been dismantled it is also simple to carry out a check on the rotational direction of the drive.



Characteristics

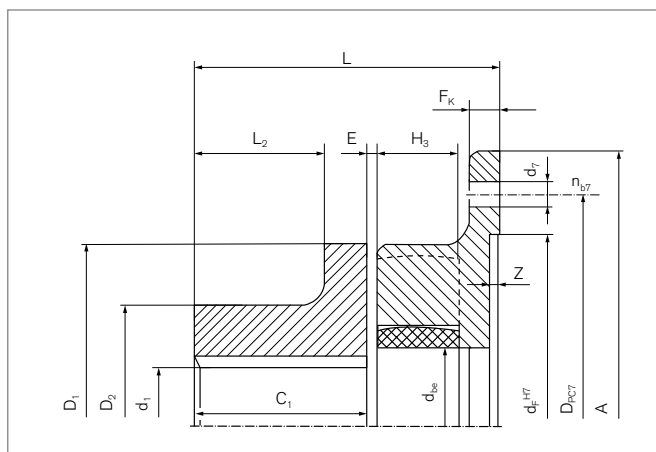
- The intermediate ring can be exchanged following removal of the jaw rings without moving a shaft.
- Rotational direction can be checked when jaw rings are dismantled
- Simplified assembly and maintenance of the drive line through improved accessibility
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30 °C to $+100\text{ °C}$.
- Standard material for intermediate ring: Vk60D
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 13350\text{ Nm}$ / $T_{Kmax} = 40050\text{ Nm}$



Further information on
RINGFEDER® TNS SX
on www.ringfeder.com

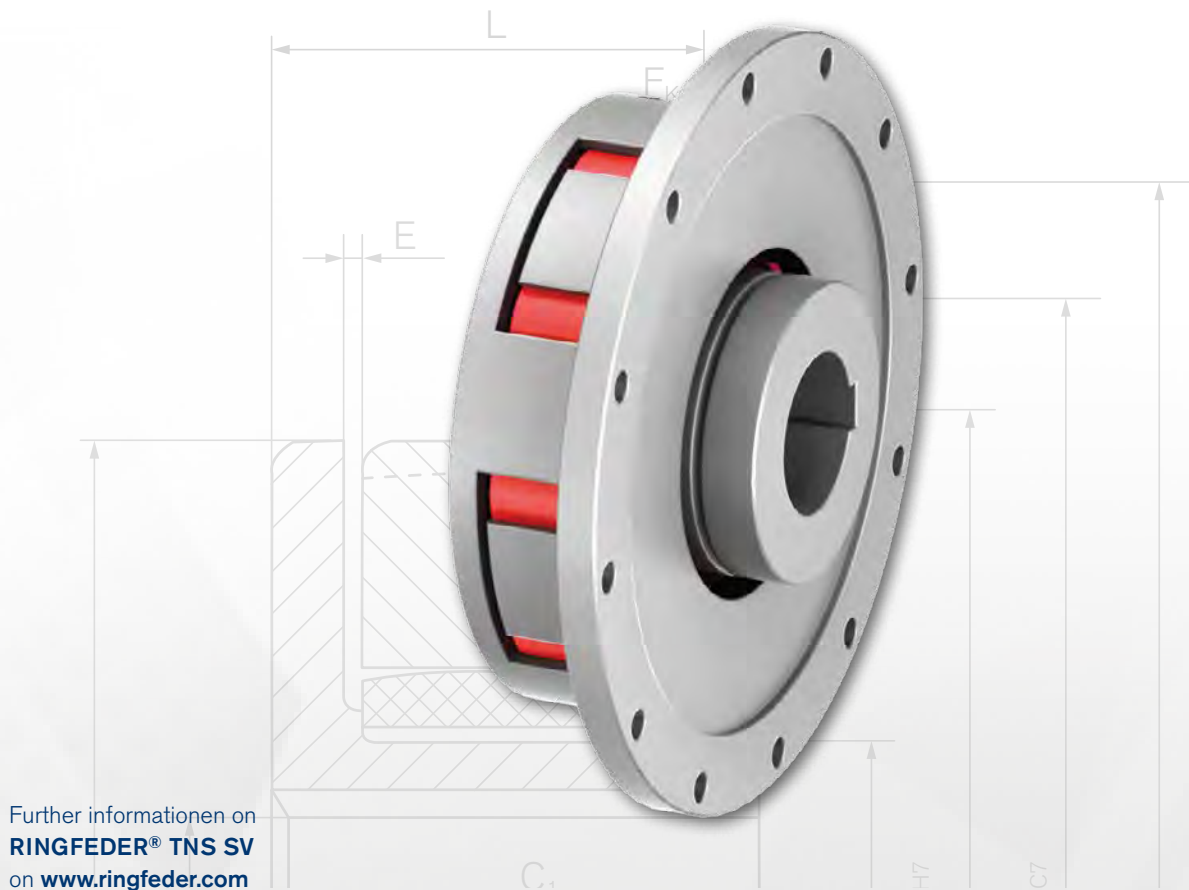
Coupling with standard hub and claw flange

The **RINGFEDER® TNS SX** is a torsionally elastic and puncture-proof jaw coupling that is especially suited to hydrodynamic turbo couplings. 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 (Pb) or polyurethane (Vk), in standard Perbunan Pb82, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. The coupling can be used in any direction of rotation and installation position.



Characteristics

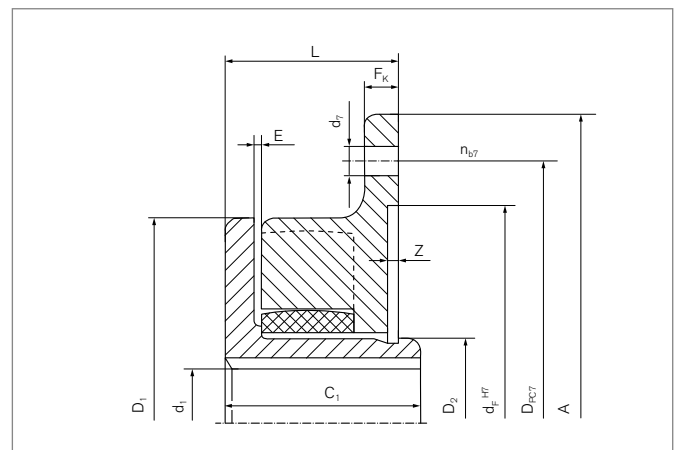
- Standardised flange connection in aluminium
- The intermediate ring can be exchanged with a mounted hub when one shaft has been moved.
- Torsionally elastic and puncture-proof, balances out angular, radial and axial shaft offset
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30°C to $+100^{\circ}\text{C}$.
- Standard material for intermediate ring: Pb82
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 4750 \text{ Nm}$ / $T_{Kmax} = 14250 \text{ Nm}$



Further information on
RINGFEDER® TNS SV
on www.ringfeder.com

Coupling with inner hub and claw flange

The **RINGFEDER® TNS SV** is a torsionally elastic, puncture-proof and compact jaw coupling that is especially suited to hydrodynamic turbo couplings. 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 (Pb) or polyurethane (Vk), in standard Perbunan Pb82, that are connected to one another to an intermediate ring. The elastic intermediate ring can damp impacts and torsional vibrations and is oil resistant. The coupling can be used in any direction of rotation and installation position.



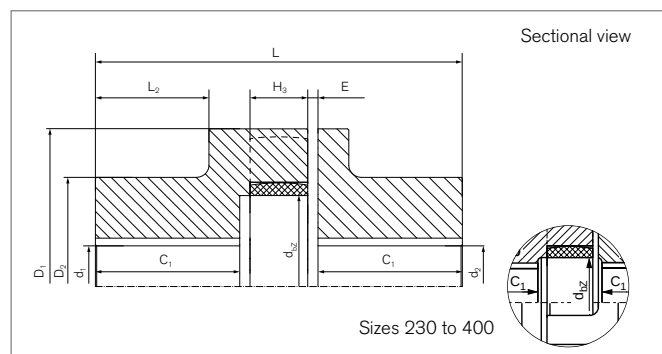
Characteristics

- Standardised flange connection in aluminium
- Axially compact through internal coupling hub
- The intermediate ring can be exchanged with a mounted hub when one shaft has been moved.
- Torsionally elastic and puncture-proof, balances out angular, radial and axial shaft offset
- Optimisation of the vibration damping with different hardness levels of the intermediate ring, usable from -30 °C to $+100\text{ °C}$.
- Standard material for intermediate ring: Pb82
- Outer diameter up to 400 mm, Bohrung bis max. 160 mm
- Torques up to $T_{KN} = 4750\text{ Nm}$ / $T_{Kmax} = 14250\text{ Nm}$

Elastomer Jaw Couplings

RINGFEDER® TNS S-St

Coupling with standard hubs



Identifier	Size	T _{KN}	T _{Kmax}	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	C ₁
		Nm	Nm	1/min	mm	mm	mm	mm	mm
WS0105	50	15	40	15000	25	25	50	41	30
WS0107	70	55	160	11000	38	38	70	55	38,5
WS0108	85	75	225	9000	40	40	85	60	43,5
WS0110	100	130	390	7250	48	48	105	75	49,5
WS0112	125	250	750	6000	55	55	126	85	56,5
WS0114	145	400	1200	5250	65	65	145	95	61
WS0117	170	630	1900	4500	85	85	170	120	75
WS0120	200	1100	3300	3750	95	95	200	135	99
WS0123	230	1700	5150	3250	105	105	230	150	110
WS0126	260	2650	7950	3000	125	125	260	180	112,5
WS0130	300	3900	11700	2500	140	140	300	200	131,5
WS0136	360	6500	19500	2150	150	150	360	210	172
WS0140	400	8900	26700	1900	160	160	400	225	163,5

Identifier	Size	L	L ₂	E	F _E	H ₃	d _{be}	Gw _{ub}
		mm	mm	mm	mm	mm	mm	kg
WS0105	50	75	23,5	1,5	+ 1,0	12	19	0,8
WS0107	70	100	31,5	2,5	+ 1,5	18	26	1,8
WS0108	85	110	35	2,5	+ 2,0	18	38	2,7
WS0110	100	125	37,5	3	+ 2,0	20	42	4,9
WS0112	125	145	44	3,5	+ 2,5	25	54	7,5
WS0114	145	160	47,5	4	+ 2,5	30	66	10,6
WS0117	170	190	60,5	5	+ 3,0	30	90	18,0
WS0120	200	245	79,5	6	+ 3,0	35	100	31,0
WS0123	230	270	88,5	7	+ 3,5	35	115	43,5
WS0126	260	285	88,5	7	+ 4,0	45	150	63,0
WS0130	300	330	107,5	7	+ 4,0	50	162	91,5
WS0136	360	417	140	8	+ 4,0	55	215	146,2
WS0140	400	400	137	7,5	+ 4,0	55	250	160,4

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS S-St

Explanation

T_{KN} = Nom. Transmissible torque	D₁ = Outer diameter	H₃ = Length of damping module
T_{Kmax} = Max. transmissible torque of the coupling	D₂ = Outer diameter hub	d_{be} = Inner diameter elastic intermediate ring
n_{max} = Max. rotation speed	C₁ = Guided length in hub bore	Gw_{ub} = Weight, unbored
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	L = Total length	
d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L₂ = Length on the hub	
	E = Gap width between left and right component	
	F_E = Tolerance of the gap width E	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
WS0117	170	85	85	*

^{*)} 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® TNS S-St
 on www.ringfeder.com

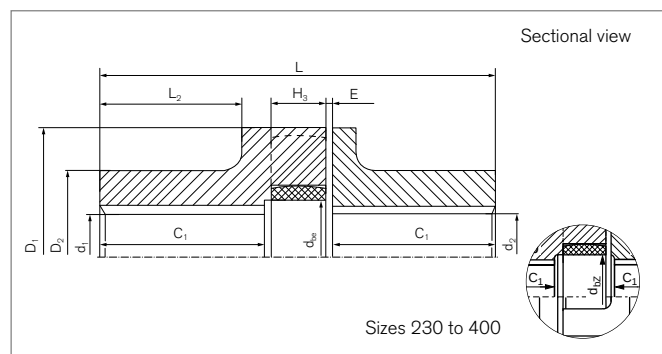
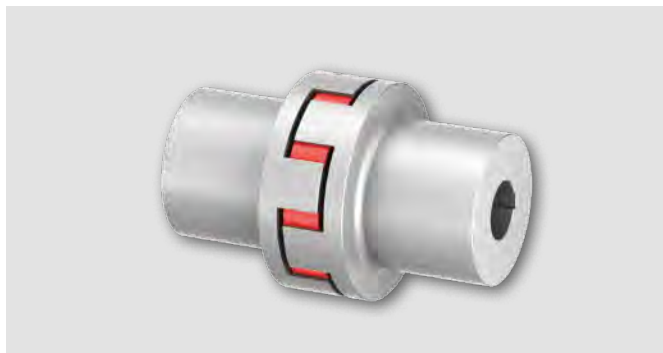
Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.

Elastomer Jaw Couplings

RINGFEDER® TNS S-LSt

Coupling with extended hubs



Identifier	Size	T_{KN}	T_{Kmax}	n_{max}	d_{1kmax}	d_{2kmax}	D_1	D_2	C_1
		Nm	Nm	1/min	mm	mm	mm	mm	mm
WS0105-L	50	15	40	15000	25	25	50	42	40,5
WS0108-L	85	75	225	9000	40	40	85	60	80,5
WS0110-L	100	130	390	7250	42	42	105	65	80,5
WS0112-L	125	250	750	6000	55	55	126	85	110,5
WS0114-L	145	400	1200	5250	65	65	145	95	110,5
WS0117-L	170	630	1900	4500	85	85	170	120	140,5
WS0120-L	200	1100	3300	3750	95	95	200	135	140
WS0123-L	230	1700	5150	3250	105	105	230	150	170
WS0126-L	260	2650	7950	3000	125	125	260	180	170
WS0140-L	400	8900	26700	1900	160	160	400	225	183,5

Identifier	Size	L	L_2	E	F_E	H_3	d_{be}	G_{Wub}
		mm	mm	mm	mm	mm	mm	kg
WS0105-L	50	96	34	1,5	+ 1,0	12	19	1,0
WS0108-L	85	184	72	2,5	+ 2,0	18	38	4,3
WS0110-L	100	187	68,5	3	+ 2,0	20	42	5,8
WS0112-L	125	253	98	3,5	+ 2,5	25	54	12,3
WS0114-L	145	259	97	4	+ 2,5	30	66	16,1
WS0117-L	170	321	126	5	+ 3,0	30	90	29,6
WS0120-L	200	328	124	6	+ 3,0	35	100	39,6
WS0123-L	230	390	151	7	+ 3,5	35	115	59,0
WS0126-L	260	400	146	7	+ 4,0	45	150	85,3
WS0140-L	400	440	157	7,5	+ 4,0	55	250	173,0

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS S-LSt

Explanation

T_{KN} = Nom. Transmissible torque	D₁ = Outer diameter	F_E = Tolerance of the gap width E
T_{Kmax} = Max. transmissible torque of the coupling	D₂ = Outer diameter hub	H₃ = Length of damping module
n_{max} = Max. rotation speed	C₁ = Guided length in hub bore	d_{be} = Inner diameter elastic intermediate ring
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	
	E = Gap width between left and right component	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
WS0117-L	170	85	85	*

^{*)} 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® TNS S-LSt
 on www.ringfeder.com

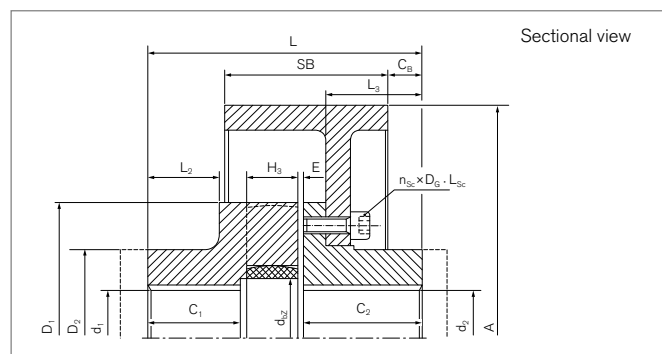
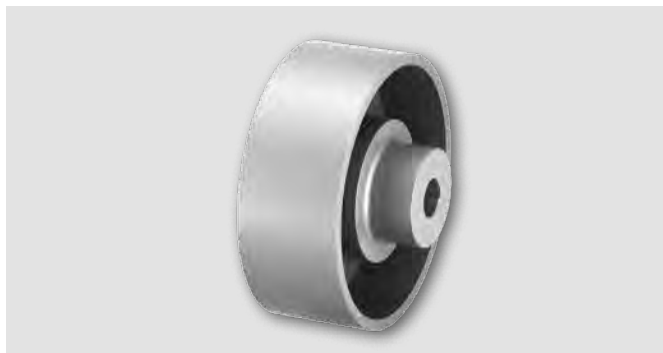
Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.

Elastomer Jaw Couplings

RINGFEDER® TNS S-BT

Coupling with standard hub and brake drum



Identifier	Size	A	SB	T _{KN}	T _{Kmax}	T _{BR}	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	C ₁	C ₂	C _B
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm
WS0510-200	100	200	75	130	390	260	4200	48	42	105	75	49,5	49,5	14
WS0512-200	125	200	75	250	750	310	4200	55	55	126	85	56,5	56,5	20
WS0514-200	145	200	75	400	1200	730	4200	65	65	145	95	61	61	21
WS0514-250	145	250	95	400	1200	730	3400	65	65	145	95	61	61	13
WS0517-250	170	250	95	630	1900	1200	3400	85	85	170	120	75	75	27
WS0517-315	170	315	118	630	1900	1350	2700	85	85	170	120	75	75	13
WS0520-315	200	315	118	1100	3300	2450	2700	95	95	200	135	99	99	38
WS0520-400	200	400	150	1100	3300	2650	2100	95	95	200	135	99	99	26
WS0523-400	230	400	150	1700	5150	3800	2100	105	105	230	150	110	110	36
WS0523-500	230	500	190	1700	5150	3800	1700	105	105	230	150	110	110	25
WS0526-500	260	500	190	2650	7950	9000	1700	125	125	260	180	112,5	112,5	25
WS0530-630	300	630	236	3900	11700	10500	1360	140	140	300	200	131,5	131,5	20
WS0530-710	300	710	265	3900	11700	11000	1200	140	140	300	200	131,5	131,5	0
WS0536-630	360	630	236	6500	19500	26000	1360	150	150	360	210	172	172	51
WS0536-710	360	710	265	6500	19500	26000	1200	150	150	360	210	172	172	34
WS0540-710	400	710	265	8900	26700	35000	1200	160	160	400	225	163,5	163,5	30

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS S-BT

Identifier	Size	C _B	L	L ₂	L ₃	E	F _E	H ₃	d _{be}	Screws ISO 4762 - 8.8				G _{wub}
										n _{Sc}	D _G	L _{Sc}	T _A ¹⁾	
		mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	Nm	kg
WS0510-200	100	14	125	37,5	39,5	3	+ 2,0	20	42	6	8	20	25	9,4
WS0512-200	125	20	145	44	45,5	3,5	+ 2,5	25	54	6	8	20	25	12,0
WS0514-200	145	21	160	47,5	48,5	4	+ 2,5	30	66	6	10	25	49	15,2
WS0514-250	145	13	160	47,5	48,5	4	+ 2,5	30	66	6	10	25	49	19,8
WS0517-250	170	27	190	60,5	62	5	+ 3,0	30	90	8	10	25	49	26,7
WS0517-315	170	13	190	60,5	62	5	+ 3,0	30	90	8	10	30	49	36,1
WS0520-315	200	38	245	79,5	84	6	+ 3,0	35	100	8	12	30	85	48,0
WS0520-400	200	26	245	79,5	84	6	+ 3,0	35	100	8	12	35	85	64,6
WS0523-400	230	36	270	88,5	93	7	+ 3,5	35	115	10	12	35	85	75,8
WS0523-500	230	25	270	88,5	93	7	+ 3,5	35	115	10	12	35	85	103,1
WS0526-500	260	25	285	88,5	91	7	+ 4,0	45	150	10	16	40	210	121,6
WS0530-630	300	20	330	107,5	110,5	7	+ 4,0	50	162	10	16	45	210	199,4
WS0530-710	300	0	330	107,5	110,5	7	+ 4,0	50	162	10	16	50	210	255,9
WS0536-630	360	51	417	140	144	8	+ 4,0	55	215	12	20	50	425	261,0
WS0536-710	360	34	417	140	144	8	+ 4,0	55	215	12	20	55	425	304,5
WS0540-710	400	30	400	137	141	7,5	+ 4,0	55	250	14	20	50	425	317,6

Explanation

A = Max. outer diameter	D₂ = Outer diameter hub	n_{Sc} = Quantity of screws
SB = Disc width	C₁ = Guided length in hub bore	D_G = Thread
T_{KN} = Nom. Transmissible torque	C₁ = Guided length in hub bore	L_{Sc} = Screw length
T_{Kmax} = Max. transmissible torque of the coupling	C_B = Brake disc distance	F_{Sc} = Screw strength class
T_{BR} = Brake torque	L = Total length	T_A = Max tightened torque of the clamping screws
n_{max} = Max. rotation speed	L₂ = Length on the hub	G_{wub} = Weight, unbored
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	L₃ = Length	
d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	E = Gap width between left and right component	
D₁ = Outer diameter	F_E = Tolerance of the gap width E	
	H₃ = Length of damping module	
	d_{be} = Inner diameter elastic intermediate ring	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
WS0523-400	230	105	105	*

¹⁾ 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® TNS S-BT
 on www.ringfeder.com

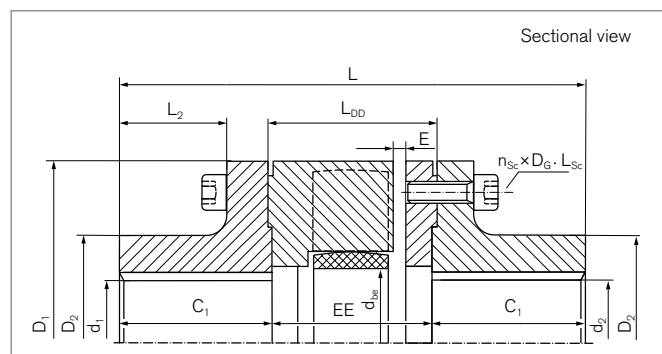
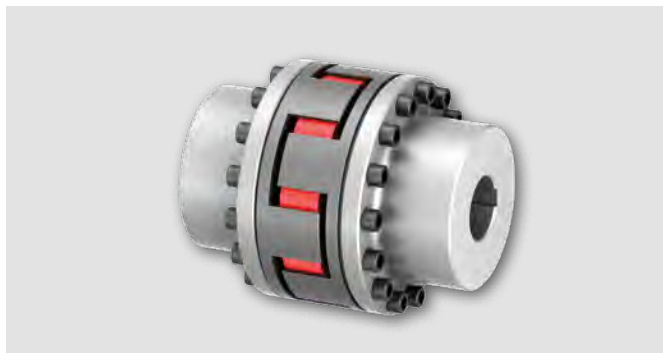
Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.

Elastomer Jaw Couplings

RINGFEDER® TNS SDD-5

Coupling with detachable claw rings



Identifier	Size	T_{KN}	T_{Kmax}	n_{max}	d_{1kmax}	d_{2kmax}	D_1	D_2	C_1	L	L_2
		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm
WS0710	100	130	390	7250	45	45	105	65	49	150	37,5
WS0712	125	250	750	6000	55	55	126	80	56	170	42,5
WS0714	145	400	1200	5250	65	65	145	92	60,5	189	44
WS0717	170	630	1900	4500	75	75	170	110	74,5	217	58
WS0720	200	1100	3300	3750	95	95	200	135	98,5	274	82
WS0723	230	1700	5150	3250	110	110	230	160	110	301	90
WS0726	260	2650	7950	3000	125	125	260	180	112,5	321	88
WS0730	300	3900	11700	2500	140	140	300	200	131,5	376	105
WS0736	360	6500	19500	2150	160	160	360	225	172	469	142,5
WS0740	400	8900	26700	1900	160	160	400	225	172	469	142,5

Identifier	Size	L_{DD}	E	F_E	EE	d_{be}	Screws ISO 4762 - 8.8				
							n_{Sc}	D_G	L_{Sc}	T_A	G_{Wub}
		mm	mm	mm	mm	mm		mm	mm	Nm	kg
WS0710	100	55	5	+ 2,0	52	42	9	8	20	25	5,3
WS0712	125	61	5	+ 2,5	58	54	9	10	25	49	8,8
WS0714	145	71	5	+ 2,5	68	66	9	12	30	85	13,3
WS0717	170	71	5	+ 3,0	68	90	12	12	30	85	19,9
WS0720	200	81	6	+ 3,0	77	100	12	14	30	135	35,3
WS0723	230	86	7	+ 3,5	81	115	15	14	35	135	52,5
WS0726	260	101	8	+ 4,0	96	150	15	16	40	210	71,5
WS0730	300	118	8	+ 4,0	113	162	15	20	50	425	109,0
WS0736	360	130	8	+ 4,0	125	215	12	24	55	730	179,8
WS0740	400	130	8	+ 4,0	125	250	14	24	55	730	197,7

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS SDD-5

Explanation

T_{KN} = Nom. Transmissible torque	D₂ = Outer diameter hub	d_{be} = Inner diameter elastic intermediate ring
T_{Kmax} = Max. transmissible torque of the coupling	C₁ = Guided length in hub bore	n_{Sc} = Quantity of screws
n_{max} = Max. rotation speed	L = Total length	D_G = Thread
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	L₂ = Length on the hub	L_{Sc} = Screw length
d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L_{DD} = Distance dimension	F_{Sc} = Screw strength class
D₁ = Outer diameter	E = Gap width between left and right component	T_A = Max tightened torque of the clamping screws
	F_E = Tolerance of the gap width E	GW_{ub} = Weight, unbored
	EE = Distance of the hubs	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
WS0723	230	110	110	*

* 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® TNS SDD-5
 on www.ringfeder.com

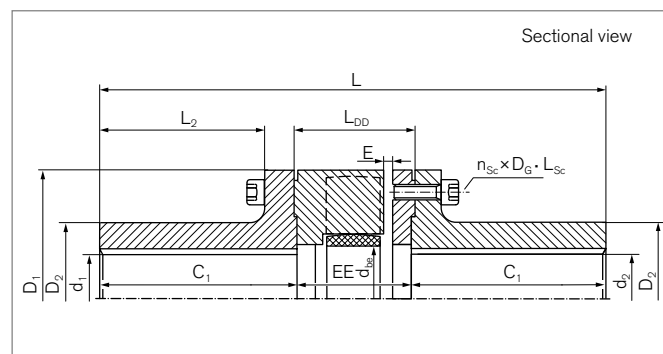
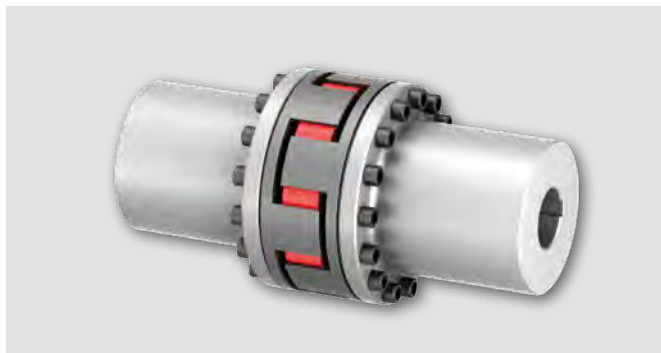
Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.

Elastomer Jaw Couplings

RINGFEDER® TNS SDDL-5

Coupling with detachable claw rings and long flange hubs



Identifier	Size	T _{KN}	T _{Kmax}	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	C ₁	L	L ₂
		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm
WS0710-L	100	130	390	7250	45	45	105	65	110	272	98,5
WS0712-L	125	250	750	6000	55	55	126	80	110	278	96,5
WS0714-L	145	400	1200	5250	65	65	145	92	110	288	93,5
WS0717-L	170	630	1900	4500	75	75	170	110	140	348	123,5
WS0720-L	200	1100	3300	3750	95	95	200	135	170	417	153,5
WS0723-L	230	1700	5150	3250	110	110	230	160	170	421	150
WS0726-L	260	2650	7950	3000	125	125	260	180	210	516	185,5
WS0730-L	300	3900	11700	2500	140	140	300	200	210	533	183,5
WS0736-L	360	6500	19500	2150	160	160	360	225	250	625	220,5
WS0740-L	400	8900	26700	1900	160	160	400	225	250	625	220,5

Identifier	Size	L _{DD}	E	F _E	EE	d _{be}	Screws ISO 4762 - 8.8				
							n _{Sc}	D _G	L _{Sc}	T _A	G _{wub}
		mm	mm	mm	mm	mm		mm	mm	Nm	kg
WS0710-L	100	55	5	+ 2,0	52	42	9	8	20	25	8,5
WS0712-L	125	61	5	+ 2,5	58	54	9	10	25	49	13,1
WS0714-L	145	71	5	+ 2,5	68	66	9	12	30	85	18,5
WS0717-L	170	71	5	+ 3,0	68	90	12	12	30	85	29,7
WS0720-L	200	81	6	+ 3,0	77	100	12	14	30	135	51,3
WS0723-L	230	86	7	+ 3,5	81	115	15	14	35	135	71,4
WS0726-L	260	101	8	+ 4,0	96	150	15	16	40	210	110,5
WS0730-L	300	118	8	+ 4,0	113	162	15	20	50	425	147,8
WS0736-L	360	130	8	+ 4,0	125	215	12	24	55	730	228,5
WS0740-L	400	130	8	+ 4,0	125	250	14	24	55	730	246,3

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS SDDL-5

Explanation

T_{KN} = Nom. Transmissible torque	D₂ = Outer diameter hub	d_{be} = Inner diameter elastic intermediate ring
T_{Kmax} = Max. transmissible torque of the coupling	C₁ = Guided length in hub bore	n_{Sc} = Quantity of screws
n_{max} = Max. rotation speed	L = Total length	D_G = Thread
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	L₂ = Length on the hub	L_{Sc} = Screw length
d_{2kmax} = Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L_{DD} = Distance dimension	F_{Sc} = Screw strength class
D₁ = Outer diameter	E = Gap width between left and right component	T_A = Max tightened torque of the clamping screws
	F_E = Tolerance of the gap width E	GW_{ub} = Weight, unbored
	EE = Distance of the hubs	

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
WS0726-L	260	125	125	*

* 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® TNS SDDL-5
 on www.ringfeder.com

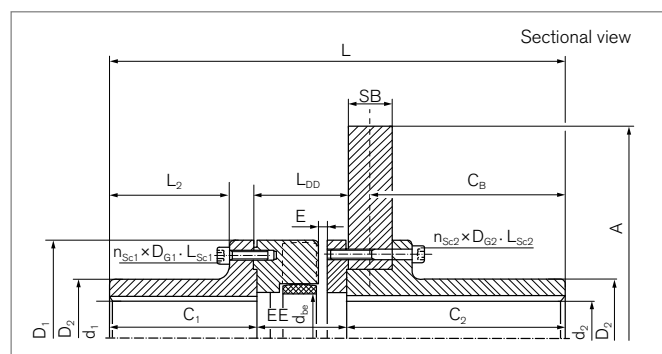
Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.

Elastomer Jaw Couplings

RINGFEDER® TNS SDDL-5-BS

Coupling with detachable claw rings,
long hubs and brake disc



Identifier	Size	A	SB	T _{KN} Vk60D	T _{Kmax} Vk60D	n _{max}	d _{1kmax}	d _{2kmax}	D ₁	D ₂	C ₁	C ₂	C _B	L	L ₂
		mm	mm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm
WS5114-0355-30	145	355	30	600	1800	4800	65	65	145	92	110	166,5	150	344,5	93,5
WS5114-0400-30		400	30			4300									
WS5117-0400-30	170	400	30	950	2850	4300	75	75	170	110	140	166,5	150	374,5	123,5
WS5117-0450-30		450	30			3750									
WS5117-0500-30		500	30			3400									
WS5120-0450-30	200	450	30	1650	4950	3750	95	95	200	135	170	207	190	454	153,5
WS5120-0500-30		500	30			3400									
WS5120-0560-30		560	30			3000									
WS5123-0500-30	230	500	30	2580	7740	3250	110	110	230	160	170	207,5	190	458,5	150
WS5123-0560-30		560	30			3000									
WS5123-0630-30		630	30			2700									
WS5123-0710-30		710	30			2400									
WS5126-0630-30	260	630	30	3980	11940	2700	125	125	260	180	210	212,5	195	518,5	185,5
WS5126-0710-30		710	30			2400									
WS5130-0710-30	300	710	30	5850	17550	2400	140	140	300	200	210	212,5	195	535,5	183,5
WS5130-0800-30		800	30			2150									
WS5130-0800-40		800	40			2150									
WS5136-0800-30	360	800	30	9700	29100	2150	160	160	360	225	250	252,5	235	627,5	220,5
WS5136-0800-40		800	40			2150									
WS5136-1000-40		1000	40			1700									
WS5140-0800-30	400	800	30	13350	40050	1900	160	160	400	225	250	252,5	235	627,5	220,5
WS5140-0800-40		800	40			1900									
WS5140-1000-40		1000	40			1700									

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS SDDL-5-BS

Identifier	Size	L _{DD}	E	F _E	EE	d _{be}	Screws ISO 4762 - 8.8								G _{wub}
							n _{Sc1}	D _{G1}	L _{Sc1}	T _{A1}	n _{Sc2}	D _{G2}	L _{Sc2}	T _{A2}	
		mm	mm	mm	mm	mm		mm	mm	Nm		mm	mm	Nm	kg
WS5114-0355-30	145	71	5	+ 2,5	68	66	9	M12	30	85	9	M12	60	85	43,0
WS5114-0400-30					68						9	M12	60	85	49,3
WS5117-0400-30	170	71	5	+ 3,0	68	90	12	M12	30	85	12	M12	70	85	59,9
WS5117-0450-30					68						12	M12	70	85	67,7
WS5117-0500-30					68						12	M12	70	85	76,5
WS5120-0450-30	200	81	6	+ 3,0	77	100	12	M14	30	135	12	M14	60	135	59,9
WS5120-0500-30					77						12	M14	60	135	98,1
WS5120-0560-30					77						12	M14	60	135	109,9
WS5123-0500-30	230	86	7	+ 3,5	81	115	15	M14	35	135	15	M14	65	135	118,6
WS5123-0560-30					81						15	M14	65	135	130,3
WS5123-0630-30					81						15	M14	65	135	145,8
WS5123-0710-30					81						15	M14	65	135	165,6
WS5126-0630-30	260	101	8	+ 4,0	96	150	15	M16	40	210	15	M16	70	210	178,1
WS5126-0710-30					96						15	M16	70	210	198,0
WS5130-0710-30	300	118	8	+ 4,0	113	162	15	M20	50	425	15	M20	80	425	233,7
WS5130-0800-30					113						15	M20	80	425	258,8
WS5130-0800-40					113						15	M20	90	425	295,7
WS5136-0800-30	360	130	8	+ 4,0	125	215	12	M24	55	730	12	M24	85	730	337,7
WS5136-0800-40					125						12	M24	95	730	374,0
WS5136-1000-40					125						12	M24	95	730	462,7
WS5140-0800-30	400	130	8	+ 4,0	125	250	14	M24	55	730	14	M24	85	730	355,5
WS5140-0800-40					125						14	M24	95	730	391,8
WS5140-1000-40					125						14	M24	95	730	480,5

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS SDDL-5-BS

Explanation

A	= Max. outer diameter	D₂	= Outer diameter hub	d_{be}	= Inner diameter elastic intermediate ring
SB	= Disc width	C₁	= Guided length in hub bore	n_{Sc1}	= Quantity of screws D _{G1}
T_{KN VK60D}	= Nom. coupling torque when using the flexible element VK60D	C₂	= Guided length in hub bore	D_{G1}	= Thread
T_{Kmax VK60D}	= Max. transmittable torque of the coupling when using the flexible element VK60D	C_B	= Brake disc distance	L_{Sc1}	= Length of screw D _{G1}
n_{max}	= Max. rotation speed	L	= Total length	T_{A1}	= Tightened torque of clamping screw D _{G1}
d_{1kmax}	= Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	L₂	= Length on the hub	n_{Sc2}	= Quantity of screws D _{G2}
d_{2kmax}	= Max. bore diameter d ₂ with keyway acc. to DIN 6885-1	L_{DD}	= Distance dimension	D_{G2}	= Thread
D₁	= Outer diameter	E	= Gap width between left and right component	L_{Sc2}	= Length of screw D _{G2}
		F_E	= Tolerance of the gap width E	T_{A2}	= Tightened torque of clamping screw D _{G2}
		EE	= Distance of the hubs	F_{Sc}	= Screw strength class
				G_{wub}	= Weight, unbored

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
WS5120-0450-30	200	95	95	*

* 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® TNS SDDL-5-BS
 on www.ringfeder.com

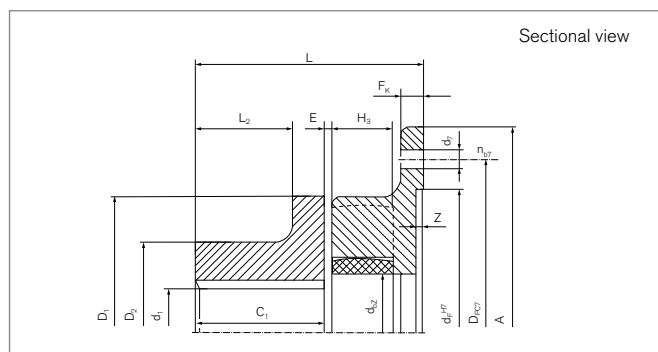
Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.

Elastomer Jaw Couplings

RINGFEDER® TNS SX

Coupling with standard hub and claw flange



Identifier	Size	T _{KN}	T _{Kmax}	n _{max}	d _{1kmax}	A	D ₁	D ₂	C ₁	F _K
		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
WS1010	100	70	210	7250	48	145	105	75	49,5	10
WS1012	125	128	385	6000	55	170	126	85	56,5	10
WS1014	145	220	660	5250	65	194	145	95	61	12
WS1017	170	340	1020	4500	85	220	170	120	75	14
WS1020	200	590	1770	3750	95	250	200	135	99	14
WS1023	230	900	2700	3250	105	290	230	150	110	14
WS1026	260	1400	4200	3000	125	335	260	180	112,5	18
WS1030	300	2090	6270	2500	140	385	300	200	131,5	24
WS1036-0650	360	3450	10350	2150	150	455	360	210	172	28
WS1036-0750		514				30				
WS1040	400	4750	14250	1900	160	514	400	225	163,5	30
WS1040-0866		4750				595				30
WS1040-L	400-L	4750	14250	1900	160	514	400	225	183,5	30
WS1040-L-0866		4750				595				30

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS SX

Identifier	Size	Z	d _F	D _{PC7}	n _{b7}	d ₇	L	L ₂	E	H ₃	d _{be}	Gw _{ub}
		mm	mm	mm		mm	mm	mm	mm	mm	mm	kg
WS1010	100	2	100	128	6	9	84,5	37,5	3	20	42	2,9
WS1012	125	2	130	148	6	9	97	44	3,5	25	54	4,5
WS1014	145	4	150	172	6	9	109	47,5	4	30	66	6,4
WS1017	170	4	170	195	6	13,5	126,5	60,5	5	30	90	10,4
WS1020	200	4	195	228	8	13,5	156,5	79,5	6	35	100	17,5
WS1023	230	4	220	265	8	13,5	171	88,5	7	35	115	24,4
WS1026	260	4	265	310	12	13,5	188	88,5	7	45	150	35,9
WS1030	300	4	315	360	16	13,5	218,5	107,5	7	50	162	53,2
WS1036-0650	360	5	360	420	16	17,5	271,5	140	8	55	215	84,4
WS1036-0750		5	420	480	20	17,5	273,5					84,4
WS1040	400	5	420	480	20	17,5	265	137	7,5	55	250	94,6
WS1040-0866		6	485	555	12	22	265					99,2
WS1040-L	400-L	5	420	480	20	17,5	285	157	7,5	55	250	100,9
WS1040-L-0866		6	485	555	12	22	285					105,5

Explanation

T_{KN} = Nom. Transmissible torque	D₂ = Outer diameter hub	L = Total length
T_{Kmax} = Max. transmissible torque of the coupling	C₁ = Guided length in hub bore	L₂ = Length on the hub
n_{max} = Max. rotation speed	F_K = Flange thickness	E = Gap width between left and right component
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	Z = Depth of center value	H₃ = Length of damping module
A = Max. outer diameter	d_F = Center diameter	d_{be} = Inner diameter elastic intermediate ring
D₁ = Outer diameter	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}	Further details
WS1036-0750	360	150	*

^{*)} 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® TNS SX
 on www.ringfeder.com

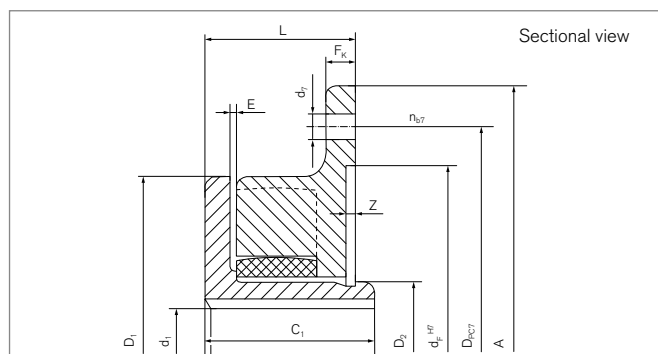
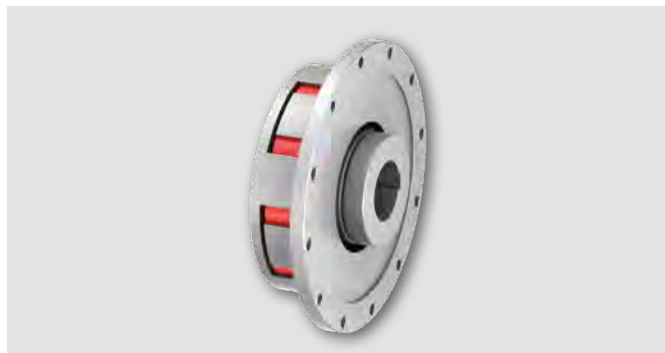
Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.

Elastomer Jaw Couplings

RINGFEDER® TNS SV

Coupling with inner hub and claw flange



Identifier	Size	T _{KN}	T _{Kmax}	n _{max}	d _{1kmax}	A	D ₁	D ₂	C ₁	F _K
		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
WS1410	100	70	210	7250	27	145	105	38	50	10
WS1412	125	128	385	6000	34	170	126	48	57	10
WS1414	145	220	660	5250	42	194	145	60	65	12
WS1417	170	340	1020	4500	58	220	170	82	75	14
WS1420	200	590	1770	3750	65	250	200	95	85	14
WS1423	230	900	2700	3250	70	290	230	102	90	14
WS1426	260	1400	4200	3000	90	335	260	130	110	18
WS1430	300	2090	6270	2500	105	385	300	147	130	24
WS1436-0650	360	3450	10350	2150	140	455	360	210	175	28
WS1436-0750		3450				514				30
WS1440	400	4750	14250	1900	160	514	400	230	180	30
WS1440-0866		4750				595				30

For further information see chapter „Introduction“ as well as chapter „Elastomer Jaw Couplings RINGFEDER® TNS Basic information“ in the Product Paper & Tech Paper „RINGFEDER® Elastomer Jaw Couplings“

To continue see next page

Elastomer Jaw Couplings RINGFEDER® TNS SV

Identifier	Size	Z	d _F	D _{PC7}	n _{b7}	d ₇	L	E	d _{be}	G _{Wub}
		mm	mm	mm		mm	mm	mm	mm	kg
WS1410	100	2	100	128	6	9	42	2	42	1,7
WS1412	125	2	130	148	6	9	47	2	54	2,8
WS1414	145	4	150	172	6	9	55	2	66	4,3
WS1417	170	4	170	195	6	13,5	60	2,5	90	6,8
WS1420	200	4	195	228	8	13,5	65	2,5	100	10,4
WS1423	230	4	220	265	8	13,5	70	4,5	115	13,4
WS1426	260	4	265	310	12	13,5	85,5	4,5	150	22,8
WS1430	300	4	315	360	16	13,5	100	4,5	162	36,2
WS1436-0650	360	5	360	420	16	17,5	123	7,5	215	71,4
WS1436-0750		5	420	480	20	17,5	125		215	75,4
WS1440	400	5	420	480	20	17,5	125	7,5	250	94,9
WS1440-0866		6	485	555	12	22	125		250	99,5

Explanation

T_{KN} = Nom. Transmissible torque	D₂ = Outer diameter hub	d₇ = Bore diameter
T_{Kmax} = Max. transmissible torque of the coupling	C₁ = Guided length in hub bore	L = Total length
n_{max} = Max. rotation speed	F_K = Guided length in hub bore	E = Gap width between left and right component
d_{1kmax} = Max. bore diameter d ₁ with keyway acc. to DIN 6885-1	Z = Depth of center value	d_{be} = Inner diameter elastic intermediate ring
A = Max. outer diameter	d_F = Center diameter	G_{Wub} = Weight, unbored
D₁ = Outer diameter	D_{PC7} = Pitch circle diameter of bore holes d ₇	
	n_{b7} = Quantity of bore d ₇	

Ordering example

Identifier	Size	d _{1k}	Further details
WS1436-0750	360	140	*

^{*)} 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® TNS SV
 on www.ringfeder.com

Disclaimer of liability

All technical details and notes are non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right carry out modifications at any time in the interests of technical progress.