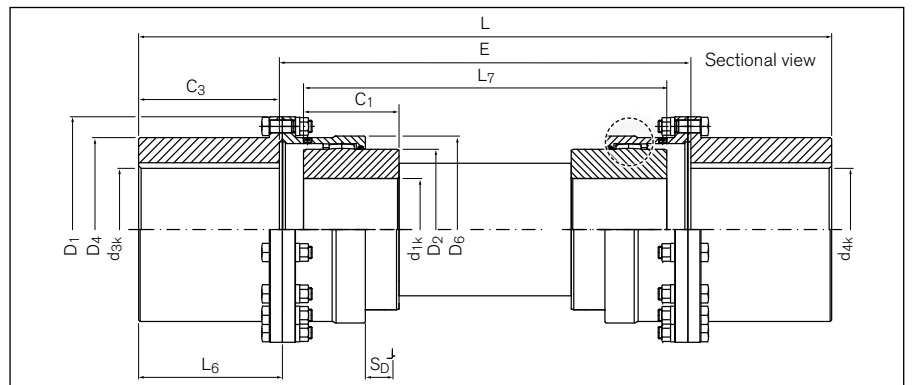
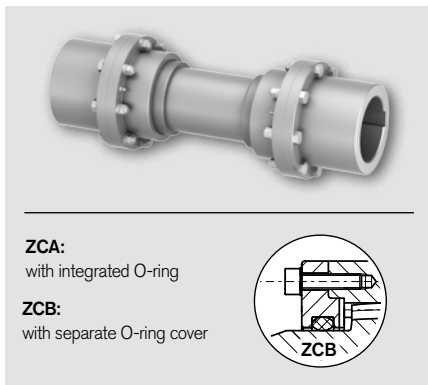


Gear Couplings

RINGFEDER® TNZ ZCAF / TNZ ZCBF

Intermediate shaft and rigid counter-flanges



Identifier		Size	T _{KN}	T _{Kmax}	n _{max}	d _{1k} min-max	d _{3k} min-max	d _{4k} min-max	D ₁	D ₂	D ₄	D ₆	C ₁	C ₃
ZCAF	ZCBF		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm
XC6106	---	69	1750	3500	On request	12 - 50	12 - 55	0 - 55	111	69	80	81,5	43	40
XC6108	---	85	2750	5500		18 - 60	18 - 75	0 - 75	152	85	103,5	103,5	50	47
XC6110	XC7110	107	5500	11000		28 - 75	28 - 95	0 - 95	178	107	126	127,5	62	58
XC6113	XC7113	133	8500	17000		40 - 95	40 - 110	0 - 110	213	133	152	156	76	74
XC6115	XC7115	152	13500	2700		50 - 110	50 - 130	0 - 130	240	152	178	181	90	87
XC6117	XC7117	179	22000	44000		60 - 130	60 - 155	55 - 155	280	179	208	209	105	101
XC6120	XC7120	209	35000	70000		70 - 155	70 - 180	65 - 180	318	209	245	245,5	120	113
XC6123	XC7123	234	43000	86000		85 - 175	85 - 200	80 - 200	346	234	270	274	135	129
XC6125	XC7125	254	68000	136000		95 - 190	95 - 230	90 - 230	389	254	305	307	150	150
XC6127	XC7127	279	82000	164000		110 - 210	110 - 250	100 - 250	425	279	330	334,5	175	175
XC6130	XC7130	305	150000	300000		120 - 230	120 - 280	120 - 280	457	305	362	366	190	190
XC6135	XC7135	355	195000	390000		130 - 270	130 - 330	150 - 330	527	355	419	423	220	220

Identifier		Size	E _{min}	L	L ₆	L _{7min}	S _D	ΔK _r	ΔK _w	J	V _{GR}	G _{Wsb}
ZCAF	ZCBF		mm	mm	mm	mm	mm	mm	degree	10 ⁻³ kgm ²	dm ³	kg
XC6106	---	69	99	179	43,5	86	30	Depends on E	2 x 0,5	Depends on E	2 x 0,035	Depends on E
XC6108	---	85	119	213	50,5	100	37		2 x 0,5		2 x 0,040	
XC6110	XC7110	107	155	271	61,5	124	48		2 x 0,5		2 x 0,065	
XC6113	XC7113	133	177	325	77,5	152	56		2 x 0,5		2 x 0,110	
XC6115	XC7115	152	229	403	90,5	180	70		2 x 0,5		2 x 0,190	
XC6117	XC7117	179	264	466	104	210	79		2 x 0,5		2 x 0,290	
XC6120	XC7120	209	304	530	116,5	240	92		2 x 0,5		2 x 0,375	
XC6123	XC7123	234	344	602	133	270	103		2 x 0,5		2 x 0,625	
XC6125	XC7125	254	400	700	154	300	120		2 x 0,5		2 x 0,960	
XC6127	XC7127	279	456	806	179	350	136		2 x 0,5		2 x 1,335	
XC6130	XC7130	305	500	880	196	380	148		2 x 0,5		2 x 1,665	
XC6135	XC7135	355	590	1040	228	440	174		2 x 0,5		2 x 2,500	

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter, without intermediate shaft

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCAF / TNZ ZCBF

Explanation

T_{KN}	= Nom. Transmissible torque	D₁	= Outer diameter	L₆	= Length of basic part
T_{Kmax}	= Max. transmissible torque of the coupling	D₂	= Outer diameter hub	L_{7min}	= Min. length of the middle connection part
n_{max}	= Max. rotation speed	D₄	= Outer diameter hub	S_D	= Disassembly Space
d_{1kmin} ; d_{3kmin} ; d_{4kmin}	= Min. bore diameter d ₁ /d ₃ /d ₄ with keyway acc. to DIN 6885-1	D₆	= Diameter	ΔK_r	= Max. permissible radial misalignment
d_{1kmax} ; d_{2kmax}	= Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	C₁	= Guided length in hub bore	ΔK_w	= Max. permissible angular misalignment
		C₃	= Guided length in hub bore	J	= Total moment of inertia
		E_{min}	= Min. gap width between left and right component	V_{GR}	= Grease volume
		L	= Total length	GW_{sb}	= Weight at smallest bore diameter

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC6127	279	180	230	*

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

Further information on
RINGFEDER® TNZ ZCAF / TNZ ZCBF
 on www.ringfeder.com

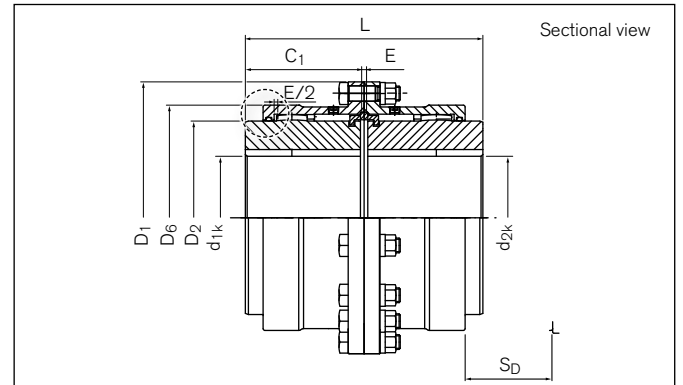
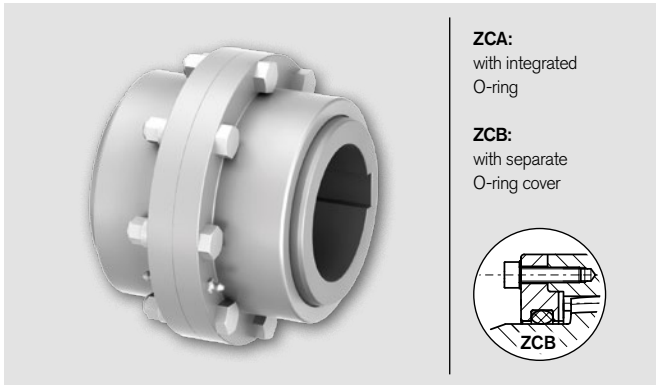
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Gear Couplings

RINGFEDER® TNZ ZCAK / TNZ ZCBK

Type with limited end float



Identifier		Size	T _{KN}	T _{Kmax}	n _{max}	d _{1k} min-max	d _{2k} min-max	D ₁	D ₂	D ₆
ZCAK	ZCBK		Nm	Nm	1/min	mm	mm	mm	mm	mm
XC2706	---	69	1750	3500	6000	12 - 50	12 - 50	111	69	81,5
XC2708	---	85	2750	5500	4600	18 - 60	18 - 60	152	85	103,5
XC2710	XC3710	107	5500	11000	4200	28 - 75	28 - 75	178	107	127,5
XC2713	XC3713	133	8500	17000	4000	40 - 95	40 - 95	213	133	156
XC2715	XC3715	152	13500	27000	3850	50 - 110	50 - 110	240	152	181
XC2717	XC3717	179	22000	44000	3700	60 - 130	60 - 130	280	179	209
XC2720	XC3720	209	35000	70000	3200	70 - 155	70 - 155	318	209	245,5
XC2723	XC3723	234	43000	86000	2900	85 - 175	85 - 175	346	234	274
XC2725	XC3725	254	68000	136000	2600	95 - 190	95 - 190	389	254	307
XC2727	XC3727	279	82000	164000	2300	110 - 210	110 - 210	425	279	334,5
XC2730	XC3730	305	150000	300000	2100	120 - 230	120 - 230	457	305	366
XC2735	XC3735	355	195000	390000	1800	130 - 270	130 - 270	527	355	423

Limited end float adjustable depends on coupling size

Identifier		Size	C ₁	E	L	S _D	J	V _{GR}	G _{Wsb}
ZCAK	ZCBK		mm	mm	mm	mm	10 ⁻³ kgm ²	dm ³	kg
XC2706	---	69	43	3	89	30	4	2 x 0,035	4,0
XC2708	---	85	50	3	103	37	18	2 x 0,040	8,4
XC2710	XC3710	107	62	3	127	48	40	2 x 0,065	14,1
XC2713	XC3713	133	76	5	157	56	102	2 x 0,110	24,8
XC2715	XC3715	152	90	5	185	70	187	2 x 0,190	36,4
XC2717	XC3717	179	105	6	216	79	407	2 x 0,290	58,0
XC2720	XC3720	209	120	6	245	92	801	2 x 0,375	87,0
XC2723	XC3723	234	135	8	278	103	1248	2 x 0,625	113,7
XC2725	XC3725	254	150	8	308	120	2370	2 x 0,960	163,1
XC2727	XC3727	279	175	8	358	136	3638	2 x 1,335	215,4
XC2730	XC3730	305	190	8	388	148	4830	2 x 1,665	261,5
XC2735	XC3735	355	220	10	450	174	10022	2 x 2,500	409,2

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCAK / TNZ ZCBK

Explanation

T_{KN}	= Nom. Transmissible torque	D₁	= Outer diameter	L₃	= Length
T_{Kmax}	= Max. transmissible torque of the coupling	D₂	= Outer diameter hub	S_D	= Disassembly Space
n_{max}	= Max. rotation speed	D₆	= Diameter	J	= Total moment of inertia
d_{1kmin}; d_{2kmin}	= Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	C₁	= Guided length in hub bore	V_{GR}	= Grease volume
d_{1kmax}; d_{2kmax}	= Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	E	= Gap width between left and right component	GW_{ub}	= Weight at smallest bore diameter
		L	= Total length		

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC2720	209	155	155	*

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

Further information on
RINGFEDER® TNZ ZCAK / TNZ ZCBK
 on www.ringfeder.com

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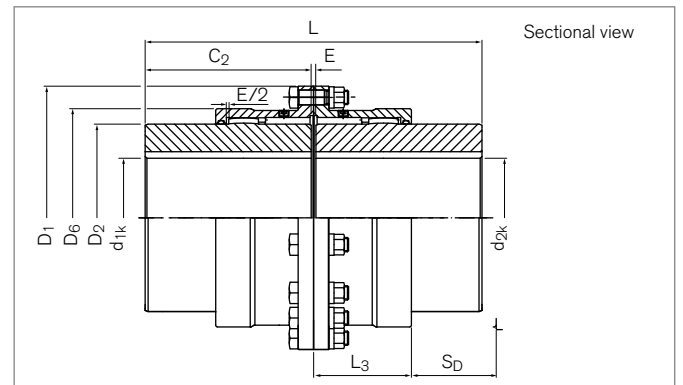
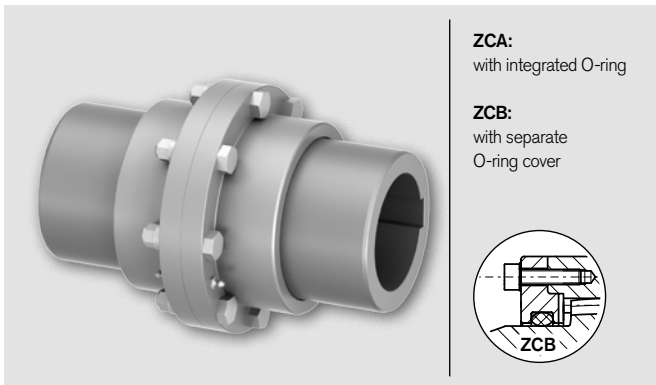
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Gear Couplings

RINGFEDER®

TNZ ZCAUU / TNZ ZCBUU

Extended universal hubs



Identifier		Size	T_{KN}	T_{Kmax}	n_{max}	d_{1k} min-max	d_{2k} min-max	D_1	D_2	D_6	C_2
ZCAUU	ZCBUU		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
XC2306	---	69	1750	3500	6000	12 - 50	12 - 50	111	69	81,5	105
XC2308	---	85	2750	5500	4600	18 - 60	18 - 60	152	85	103,5	115
XC2310	XC3310	107	5500	11000	4200	28 - 75	28 - 75	178	107	127,5	130
XC2313	XC3313	133	8500	17000	4000	40 - 95	40 - 95	213	133	156	150
XC2315	XC3315	152	13500	27000	3850	50 - 110	50 - 110	240	152	181	170
XC2317	XC3317	179	22000	44000	3700	60 - 130	60 - 130	280	179	209	185
XC2320	XC3320	209	35000	70000	3200	70 - 155	70 - 155	318	209	245,5	215
XC2323	XC3323	234	43000	86000	2900	85 - 175	85 - 175	346	234	274	245
XC2325	XC3325	254	68000	136000	2600	95 - 190	95 - 190	389	254	307	295
XC2327	XC3327	279	82000	164000	2300	110 - 210	110 - 210	425	279	334,5	300
XC2330	XC3330	305	150000	300000	2100	120 - 230	120 - 230	457	305	366	305
XC2335	XC3335	355	195000	390000	1800	130 - 270	130 - 270	527	355	423	310

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCAUU / TNZ ZCBUU

Identifier		Size	E	L	L ₃	S _D	ΔK _r	ΔK _w	J	V _{GR}	G _{Wsb}
ZCAUU	ZCBUU		mm	mm	mm	mm	mm		10 ⁻³ kgm ²	dm ³	kg
XC2306	---	69	3	213	39	80	0,42	2 x 0,5	6	0,07	7,5
XC2308	---	85	3	233	46	83	0,51	2 x 0,5	23	0,08	14,0
XC2310	XC3310	107	3	263	59	85	0,66	2 x 0,5	54	0,13	23,1
XC2313	XC3313	133	5	305	69	100	0,77	2 x 0,5	137	0,22	39,8
XC2315	XC3315	152	5	345	83	106	0,99	2 x 0,5	252	0,38	57,1
XC2317	XC3317	179	6	376	93	115	1,15	2 x 0,5	530	0,58	86,0
XC2320	XC3320	209	6	436	106	132	1,33	2 x 0,5	1077	0,75	133,1
XC2323	XC3323	234	8	498	118	151	1,5	2 x 0,5	1748	1,25	179,1
XC2325	XC3325	254	8	598	138	181	1,75	2 x 0,5	3283	1,92	263,7
XC2327	XC3327	279	8	608	154	185	1,99	2 x 0,5	4780	2,67	318,1
XC2330	XC3330	305	8	618	166	178	2,13	2 x 0,5	6329	3,33	374,4
XC2335	XC3335	355	10	630	193	174	2,55	2 x 0,5	12186	5	531,4

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter

Explanation

T_{KN}	= Nom. Transmissible torque	D₁	= Outer diameter	L₃	= Length
T_{Kmax}	= Max. transmissible torque of the coupling	D₂	= Outer diameter hub	S_D	= Disassembly Space
n_{max}	= Max. rotation speed	D₆	= Diameter	ΔK_r	= Max. permissible radial misalignment
d_{1kmin}; d_{2kmin}	= Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	C₂	= Guided length in hub bore	ΔK_w	= Max. permissible angular misalignment
d_{1kmax}; d_{2kmax}	= Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	E	= Gap width between left and right component	J	= Total moment of inertia
		L	= Total length	V_{GR}	= Grease volume
				G_{Wsb}	= Weight at smallest bore diameter

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC2325	254	150	180	*

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

Further information on
RINGFEDER® TNZ ZCAUU / TNZ ZCBUU
 on www.ringfeder.com

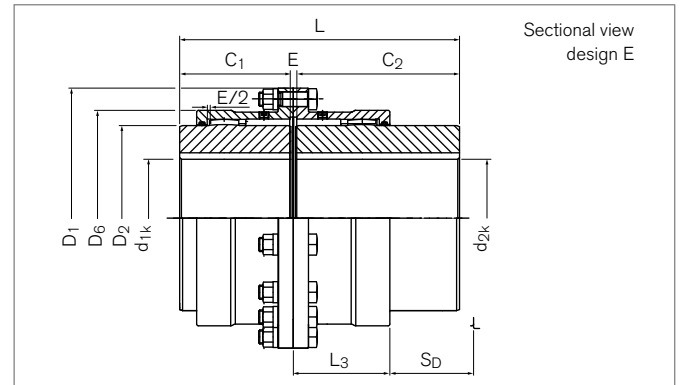
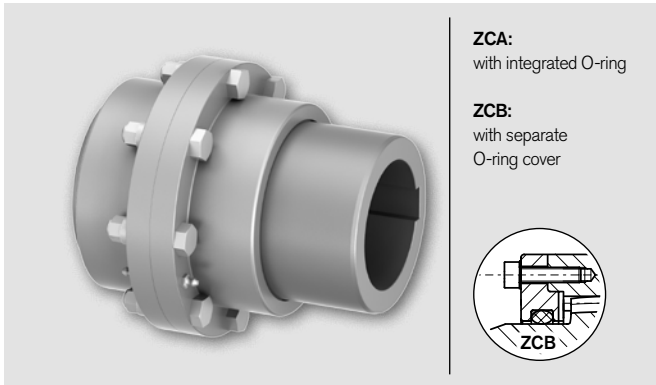
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Gear Couplings

RINGFEDER® TNZ ZCAU / TNZ ZCBU

Standard hub and extended universal hub



Identifier		Size	T _{KN}	T _{Kmax}	n _{max}	d _{1k} min-max	d _{2k} min-max	D ₁	D ₂	D ₆	C ₁	C ₂
ZCAU	ZCBU		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm
XC2206	---	69	1750	3500	6000	12 - 50	12 - 50	111	69	81,5	43	105
XC2208	---	85	2750	5500	4600	18 - 60	18 - 60	152	85	103,5	50	115
XC2210	XC3210	107	5500	11000	4200	28 - 75	28 - 75	178	107	127,5	62	130
XC2213	XC3213	133	8500	17000	4000	40 - 95	40 - 95	213	133	156	76	150
XC2215	XC3215	152	13500	27000	3850	50 - 110	50 - 110	240	152	181	90	170
XC2217	XC3217	179	22000	44000	3700	60 - 130	60 - 130	280	178	209	105	185
XC2220	XC3220	209	35000	70000	3200	70 - 155	70 - 155	318	209	245,5	120	215
XC2223	XC3223	234	43000	86000	2900	85 - 175	85 - 175	346	234	274	135	245
XC2225	XC3225	254	68000	136000	2600	95 - 190	95 - 190	389	254	307	150	295
XC2227	XC3227	279	82000	164000	2300	110 - 210	110 - 210	425	279	334,5	175	300
XC2230	XC3230	305	150000	300000	2100	120 - 230	120 - 230	457	305	366	190	305
XC2235	XC3235	355	195000	390000	1800	130 - 270	130 - 270	527	355	423	220	310

Identifier		Size	E	E _{I1}	L	L _{I1}	L ₃	S _D	ΔK _r	ΔK _w	J	V _{GR}	G _{w_{sb}}
ZCAU	ZCBU		mm	mm	mm	mm	mm	mm	mm	degree	10 ⁻³ kgm ²	dm ³	kg
XC2206	---	69	3	5	151	153	39	80	0,42	2 x 0,5	5	0,07	5,8
XC2208	---	85	3	8	168	173	46	83	0,51	2 x 0,5	18	0,08	11,2
XC2210	XC3210	107	3	14	195	206	59	85	0,66	2 x 0,5	40	0,13	18,6
XC2213	XC3213	133	5	12	231	238	69	100	0,77	2 x 0,5	120	0,22	32,3
XC2215	XC3215	152	5	24	265	284	83	106	1,00	2 x 0,5	220	0,38	46,7
XC2217	XC3217	179	6	27	296	317	93	115	1,15	2 x 0,5	469	0,58	72,0
XC2220	XC3220	209	6	32	341	367	106	132	1,33	2 x 0,5	939	0,75	110,1
XC2223	XC3223	234	8	37	388	417	118	151	1,5	2 x 0,5	1498	1,25	146,4
XC2225	XC3225	254	8	50	453	498	138	181	1,75	2 x 0,5	2827	1,92	213,4
XC2227	XC3227	279	8	53	483	528	154	185	1,99	2 x 0,5	4209	2,67	266,8
XC2230	XC3230	305	8	58	503	553	166	178	2,16	2 x 0,5	5580	3,33	317,9
XC2235	XC3235	355	10	72	540	602	193	174	2,55	2 x 0,5	11104	5,00	470,3

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter

With inverted standard hub note EI1 and LI1

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCAU / TNZ ZCBU

Explanation

T_{KN} = Nom. Transmissible torque	D₂ = Outer diameter hub	L₁₁; L₁₂ = Complete length of inverted variant 1/2
T_{Kmax} = Max. transmissible torque of the coupling	D₆ = Diameter	L₃ = Length
n_{max} = Max. rotation speed	C₁ = Guided length in hub bore	S_D = Disassembly Space
d_{1kmin}; d_{2kmin} = Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	C₂ = Guided length in hub bore	ΔK_r = Max. permissible radial misalignment
d_{1kmax}; d_{2kmax} = Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	E = Gap width between left and right component	ΔK_w = Max. permissible angular misalignment
D₁ = Outer diameter	E₁₁; E₁₂ = Gap width between left and right component of inverted variant 1/2	J = Total moment of inertia
	L = Total length	V_{GR} = Grease volume
		G_{wub} = Weight at smallest bore diameter

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC3215	152	90	110	*

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

Further information on
RINGFEDER® TNZ ZCAU / TNZ ZCBU
 on www.ringfeder.com

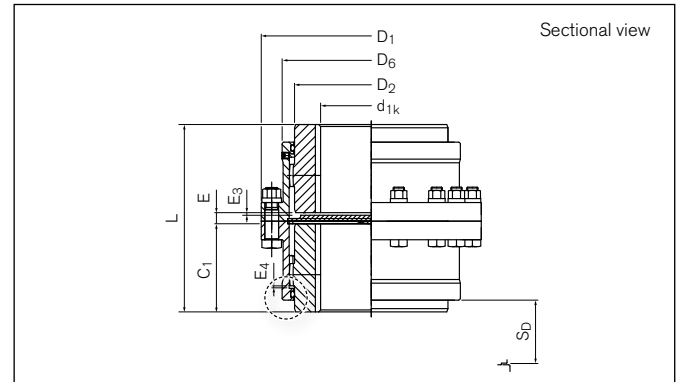
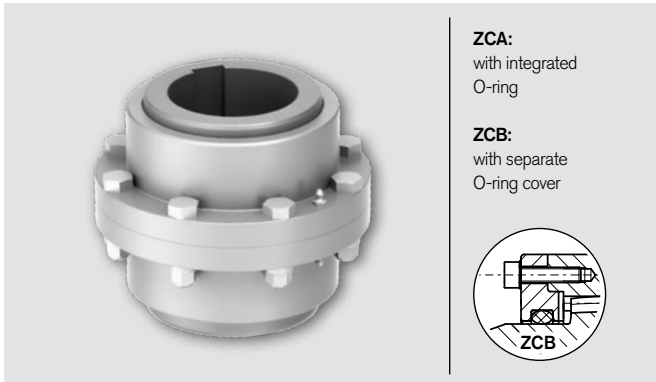
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Gear Couplings

RINGFEDER® TNZ ZCAV / TNZ ZCBV

Vertical construction



Identifier		Size	T _{KN}	T _{Kmax}	n _{max}	d _{1k} min-max	d _{2k} min-max	D ₁	D ₂	D ₆
ZCAV	ZCBV		Nm	Nm	1/min	mm	mm	mm	mm	mm
XC2606	---	69	1750	3500	6000	12 - 50	12 - 50	111	69	81,5
XC2608	---	85	2750	5500	4600	18 - 60	18 - 60	152	85	103,5
XC2610	XC3610	107	5500	11000	4200	28 - 75	28 - 75	178	107	127,5
XC2613	XC3613	133	8500	17000	4000	40 - 95	40 - 95	213	133	156
XC2615	XC3615	152	13500	27000	3850	50 - 110	50 - 110	240	152	181
XC2617	XC3617	179	22000	44000	3700	60 - 130	60 - 130	280	179	209
XC2620	XC3620	209	35000	70000	3200	70 - 155	70 - 155	318	209	245,5
XC2623	XC3623	234	43000	86000	2900	85 - 175	85 - 175	346	234	274
XC2625	XC3625	254	68000	136000	2600	95 - 190	95 - 190	389	254	307
XC2627	XC3627	279	82000	164000	2300	110 - 210	110 - 210	425	279	334,5
XC2630	XC3630	305	150000	300000	2100	120 - 230	120 - 230	457	305	366
XC2635	XC3635	355	195000	390000	1800	130 - 270	130 - 270	527	355	423

Identifier		Size	C ₁	E	E ₃	E ₄	L	S _D	ΔK _r	ΔK _w	J	V _{GR}	G _{w_{sb}}
ZCAV	ZCBV		mm	mm	mm	mm	mm	mm	mm	degree	10 ⁻³ kgm ²	dm ³	kg
XC2606	---	69	43	7	1,5	1,5	93	30	0,42	2 x 0,5	4	Follow lubrication instruction	4,1
XC2608	---	85	50	8	1,5	1,5	108	37	0,51	2 x 0,5	18		8,8
XC2610	XC3610	107	62	11	1,5	1,5	135	48	0,66	2 x 0,5	40		14,8
XC2613	XC3613	133	76	12	2,5	2,5	164	56	0,77	2 x 0,5	102		25,8
XC2615	XC3615	152	90	16,5	5,5	2,5	196	70	0,99	2 x 0,5	187		37,9
XC2617	XC3617	179	105	15	3	3	225	79	1,15	2 x 0,5	407		60,2
XC2620	XC3620	209	120	18	6	3	258	92	1,33	2 x 0,5	801		89,9
XC2623	XC3623	234	135	23	9	4	293	103	1,5	2 x 0,5	1248		117,9
XC2625	XC3625	254	150	34	20	4	334	120	1,75	2 x 0,5	2370		168,2
XC2627	XC3627	279	175	36	22	4	386	136	1,99	2 x 0,5	3638		221,8
XC2630	XC3630	305	190	38	24	4	418	148	2,16	2 x 0,5	4830		269,3
XC2635	XC3635	355	220	48	32	5	488	174	2,55	2 x 0,5	10022		421,7

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter

Distance E may not vary during operation

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCAV / TNZ ZCBV

Explanation

T_{KN}	= Nom. Transmissible torque	D₁	= Outer diameter	L	= Total length
T_{Kmax}	= Max. transmissible torque of the coupling	D₂	= Outer diameter hub	S_D	= Disassembly Space
n_{max}	= Max. rotation speed	D₆	= Diameter	ΔK_r	= Max. permissible radial misalignment
d_{1kmin}; d_{2kmin}	= Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	C₁	= Guided length in hub bore	ΔK_w	= Max. permissible angular misalignment
d_{1kmax}; d_{2kmax}	= Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	E	= Gap width between left and right component	J	= Total moment of inertia
		E₄	= Gap width	V_{GR}	= Grease volume
		E₃	= Gap width	Gw_{sb}	= Weight at smallest bore diameter

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC3630	305	140	220	*

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

Further information on
RINGFEDER® TNZ ZCAV / TNZ ZCBV
 on www.ringfeder.com

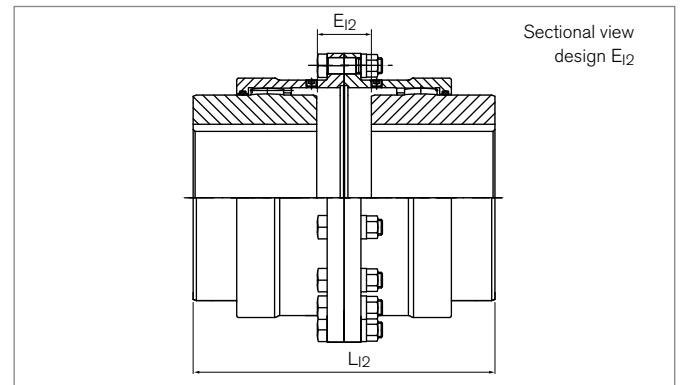
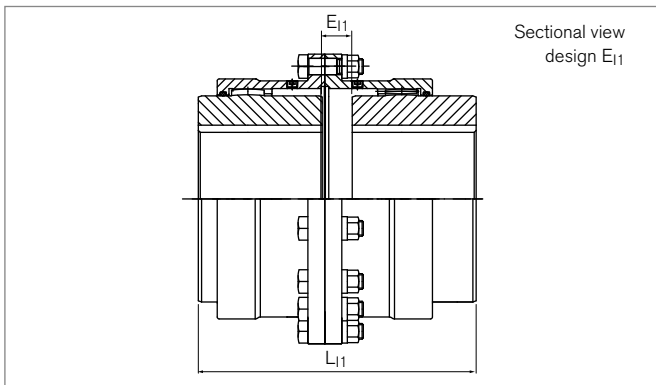
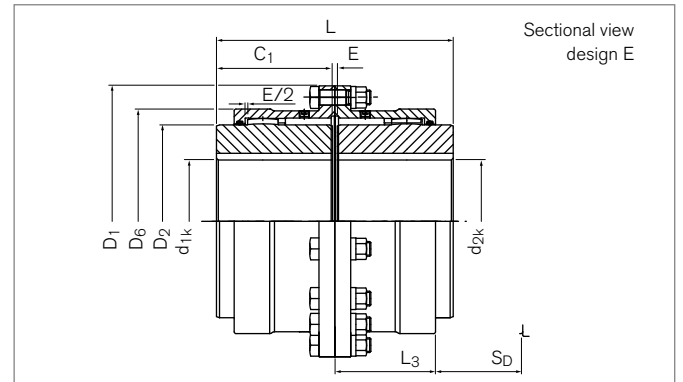
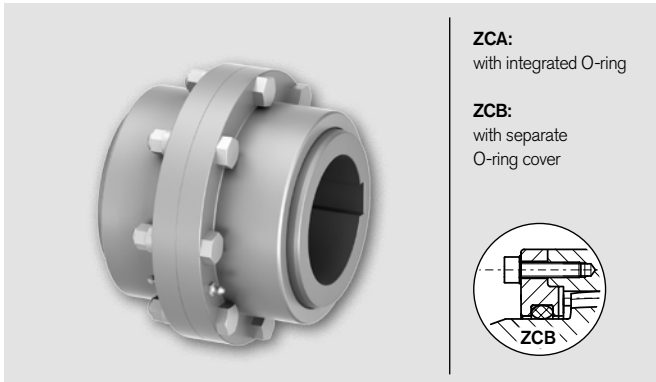
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Gear Couplings

RINGFEDER® TNZ ZCA / TNZ ZCB

Standard hubs



Identifier		Size	T _{KN}	T _{Kmax}	n _{max}	d _{1k} min-max	d _{2k} min-max	D ₁	D ₂	D ₆	C ₁
ZCA	ZCB		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
XC2106	---	69	1750	3500	6000	12 - 50	12 - 50	111	69	81,5	43
XC2108	---	85	2750	5500	4600	18 - 60	18 - 60	152	85	103,5	50
XC2110	XC3110	107	5500	11000	4200	28 - 75	28 - 75	178	107	127,5	62
XC2113	XC3113	133	8500	17000	4000	40 - 95	40 - 95	213	133	156	76
XC2115	XC3115	152	13500	27000	3850	50 - 110	50 - 110	240	152	181	90
XC2117	XC3117	179	22000	44000	3700	60 - 130	60 - 130	280	178	209	105
XC2120	XC3120	209	35000	70000	3200	70 - 155	70 - 155	318	209	245,5	120
XC2123	XC3123	234	43000	86000	2900	85 - 175	85 - 175	346	234	274	135
XC2125	XC3125	254	68000	136000	2600	95 - 190	95 - 190	389	254	307	150
XC2127	XC3127	279	82000	164000	2300	110 - 210	110 - 210	425	279	334,5	175
XC2130	XC3130	305	150000	300000	2100	120 - 230	120 - 230	457	305	366	190
XC2135	XC3135	355	195000	390000	1800	130 - 270	130 - 270	527	355	423	220

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCA / TNZ ZCB

Identifier		Size	E	E ₁₁	E ₁₂	L	L ₁₁	L ₁₂	L ₃	S _D	ΔK _r	ΔK _w	J	V _{GR}	G _{w_{sb}}
ZCA	ZCB		mm	mm	mm	mm	mm	mm	mm	mm	mm	degree	10 ⁻³ kgm ²	dm ³	kg
XC2106	---	69	3	5	7	89	91	93	39	30	0,42	2 x 0,5	4	0,07	4,1
XC2108	---	85	3	8	13	103	108	113	46	37	0,51	2 x 0,5	18	0,08	8,7
XC2110	XC3110	107	3	14	25	127	138	149	59	48	0,66	2 x 0,5	40	0,13	14,4
XC2113	XC3113	133	5	12	19	157	164	171	69	56	0,77	2 x 0,5	102	0,22	25,6
XC2115	XC3115	152	5	24	43	185	204	223	83	70	0,99	2 x 0,5	187	0,38	37,3
XC2117	XC3117	179	6	27	48	216	237	258	93	79	1,15	2 x 0,5	407	0,58	58,9
XC2120	XC3120	209	6	32	58	246	272	298	106	92	1,33	2 x 0,5	801	0,75	88,6
XC2123	XC3123	234	8	37	66	278	307	336	118	103	1,5	2 x 0,5	1248	1,25	116,1
XC2125	XC3125	254	8	50	92	308	350	392	138	120	1,75	2 x 0,5	2370	1,92	166,0
XC2127	XC3127	279	8	53	98	358	403	448	154	136	1,99	2 x 0,5	3638	2,67	219,2
XC2130	XC3130	305	8	58	108	388	438	488	166	148	2,16	2 x 0,5	4830	3,33	265,9
XC2135	XC3135	355	10	72	134	450	512	574	193	174	2,55	2 x 0,5	10022	5,00	415,8

Explanation

T_{KN} = Nom. Transmissible torque	D₂ = Outer diameter hub	L₃ = Length
n_{max} = Max. transmissible torque of the coupling	D₆ = Diameter	S_D = Disassembly Space
d_{1kmin}; d_{2kmin} = Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	C₁ = Guided length in hub bore	ΔK_r = Max. permissible radial misalignment
d_{1kmax}; d_{2kmax} = Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	E = Gap width between left and right component	ΔK_w = Max. permissible angular misalignment
D₁ = Outer diameter	E₁₁; E₁₂ = Gap width between left and right component of inverted variant 1/2	J = Total moment of inertia
	L = Total length	V_{GR} = Grease volume
	L₁₁; L₁₂ = Complete length of inverted variant 1/2	G_{w_{ub}} = Weight at smallest bore diameter

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC2113	133	70	90	*

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

Further information on
RINGFEDER® TNZ ZCA / TNZ ZCB
 on www.ringfeder.com

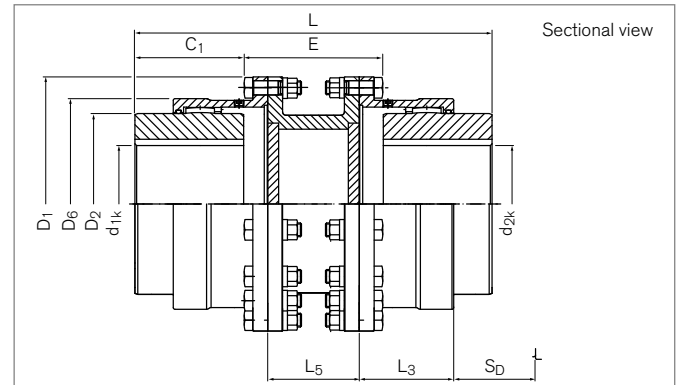
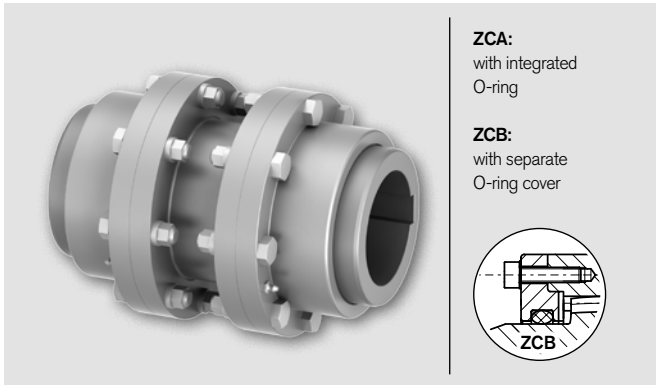
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Gear Couplings

RINGFEDER® TNZ ZCAZ / TNZ ZCBZ

Standard hubs and spacer



Identifier		Size	T _{KN}	T _{Kmax}	n _{max}	d _{1k} min-max	d _{2k} min-max	D ₁	D ₂	D ₆	C ₁
ZCAZ	ZCBZ		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm
XC4106	---	69	1750	3500	On request	12 - 50	12 - 50	111	69	81,5	43
XC4108	---	85	2750	5500		18 - 60	18 - 60	152	85	103,5	50
XC4110	XC5110	107	5500	11000		28 - 75	28 - 75	178	107	127,5	62
XC4113	XC5113	133	8500	17000		40 - 95	40 - 95	213	133	156	76
XC4115	XC5115	152	13500	27000		50 - 110	50 - 110	240	152	181	90
XC4117	XC5117	179	22000	44000		60 - 130	60 - 130	280	179	209	105
XC4120	XC5120	209	35000	44000		70 - 155	70 - 155	318	209	245,5	120
XC4123	XC5123	234	43000	86000		85 - 175	85 - 175	346	234	274	135
XC4125	XC5125	254	68000	136000		95 - 190	95 - 190	389	254	307	150
XC4127	XC5127	279	82000	164000		110 - 210	110 - 210	425	279	334,5	175
XC4130	XC5130	305	150000	300000		120 - 230	120 - 230	457	305	366	190
XC4135	XC5135	355	195000	390000		130 - 270	130 - 270	527	355	423	220

Identifier		Size	E _{min}	L _{min}	L ₃	L _{5min}	S _D	ΔK _r	ΔK _w	J	V _{GR}	G _{Wsb}
ZCAZ	ZCBZ		mm	mm	mm	mm	mm	mm	degree	10 ⁻³ kgm ²	dm ³	kg
XC4106	---	69	67	153	39	60	30	Depends on E	2 x 0,5	Depends on E	2 x 0,035	Depends on E
XC4108	---	85	93	193	46	80	37		2 x 0,5		2 x 0,040	
XC4110	XC5110	107	115	239	59	90	48		2 x 0,5		2 x 0,065	
XC4113	XC5113	133	129	281	69	110	56		2 x 0,5		2 x 0,110	
XC4115	XC5115	152	153	333	83	110	70		2 x 0,5		2 x 0,190	
XC4117	XC5117	179	178	388	93	130	79		2 x 0,5		2 x 0,290	
XC4120	XC5120	209	188	428	106	130	92		2 x 0,5		2 x 0,375	
XC4123	XC5123	234	196	466	118	130	103		2 x 0,5		2 x 0,625	
XC4125	XC5125	254	252	552	138	160	120		2 x 0,5		2 x 0,960	
XC4127	XC5127	279	258	608	154	160	136		2 x 0,5		2 x 1,335	
XC4130	XC5130	305	268	648	166	160	148		2 x 0,5		2 x 1,665	
XC4135	XC5135	355	294	734	193	160	174		2 x 0,5		2 x 2,500	

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCAZ / TNZ ZCBZ

Explanation

T_{KN} = Nom. Transmissible torque	D₁ = Outer diameter	L_{5min} = Min. length of spacer
T_{Kmax} = Max. transmissible torque of the coupling	D₂ = Outer diameter hub	S_D = Disassembly Space
n_{max} = Max. rotation speed	D₆ = Diameter	ΔK_r = Max. permissible radial misalignment
d_{1kmin};d_{2kmin} = Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	C₁ = Guided length in hub bore	ΔK_w = Max. permissible angular misalignment
d_{1kmax};d_{2kmax} = Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	E_{min} = Min. gap width between left and right component	J = Total moment of inertia
	L_{min} = Minimum length	V_{GR} = Grease volume
	L₃ = Length	Gw_{sb} = Weight at smallest bore diameter

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC5117	179	120	120	*

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

Further information on
RINGFEDER® TNZ ZCAZ / TNZ ZCBZ
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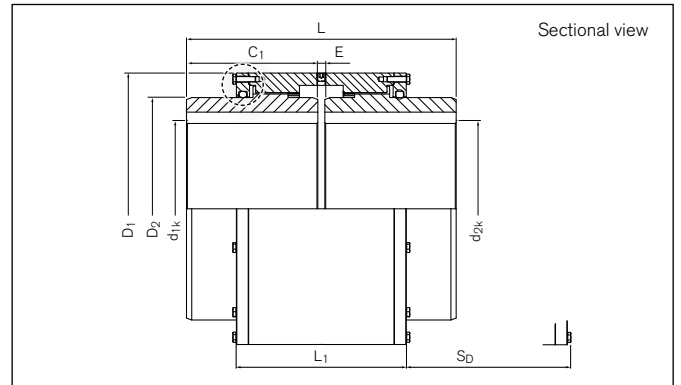
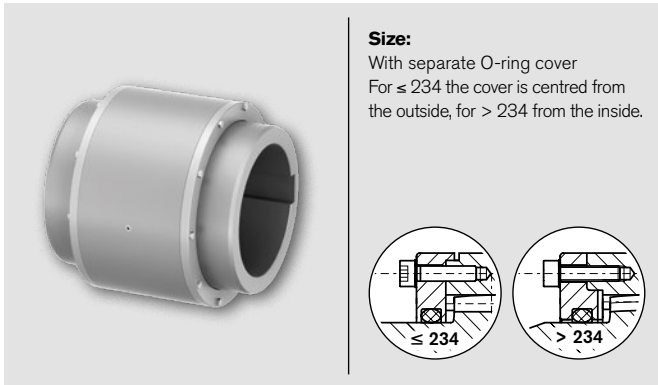
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Gear Couplings

RINGFEDER® TNZ ZCH

Standard hubs with one-piece casing



Identifier	Size	T_{KN}	T_{Kmax}	n_{max}	d_{1k} min-max	d_{2k} min-max	D_1	D_2
ZCH		Nm	Nm	1/min	mm	mm	mm	mm
XCD106	69	1750	3500	6000	12 - 50	12 - 50	98	69
XCD108	85	2750	5500	4600	18 - 60	18 - 60	115	85
XCD110	107	5500	11000	4200	28 - 75	28 - 75	145	107
XCD113	133	8500	17000	4000	40 - 95	40 - 95	176	133
XCD115	152	13500	27000	3850	50 - 110	50 - 110	196	152
XCD117	179	22000	44000	3700	60 - 130	60 - 130	225	179
XCD120	209	35000	70000	3200	70 - 155	70 - 155	256	209
XCD123	234	43000	86000	2900	85 - 175	85 - 175	286	234
XCD125	254	68000	136000	2600	95 - 190	95 - 190	310	254
XCD127	279	82000	164000	2300	110 - 210	110 - 210	345	279
XCD130	305	150000	300000	2100	120 - 230	120 - 230	375	305
XCD135	355	195000	390000	1800	130 - 270	130 - 270	430	355

Identifier	Size	C_1	E	L	L_1	S_D	ΔK_r	ΔK_w	J	V_{GR}	G_{Wsb}
ZCH		mm	mm	mm	mm	mm	mm	degree	$10^{-3}kgm^2$	dm^3	kg
XCD106	69	43	3	89	76	30	0,42	2 x 0,5	6	0,07	4,6
XCD108	85	50	3	103	83	37	0,51	2 x 0,5	11	0,08	7,0
XCD110	107	62	3	127	94	48	0,66	2 x 0,5	33	0,13	13,3
XCD113	133	76	5	157	123	56	0,77	2 x 0,5	93	0,22	24,5
XCD115	152	90	5	185	127	70	0,99	2 x 0,5	155	0,38	33,8
XCD117	179	105	6	216	144	79	1,15	2 x 0,5	327	0,58	50,5
XCD120	209	120	6	246	160	92	1,33	2 x 0,5	595	0,75	75,9
XCD123	234	135	8	278	178	103	1,50	2 x 0,5	1040	1,25	104,7
XCD125	254	150	8	308	194	120	1,75	2 x 0,5	1551	1,92	131,7
XCD127	279	175	8	358	220	136	1,99	2 x 0,5	2713	2,67	185,4
XCD130	305	190	8	388	234	148	2,16	2 x 0,5	4071	3,33	236,6
XCD135	355	220	10	450	264	174	2,16	2 x 0,5	8208	5,00	368,0

- Examine the load capacity of the shaft-hub connection
- Hubs pilot bored, bore diameter 2 mm smaller than smallest finish bore diameter

To continue see next page

Gear Couplings RINGFEDER® TNZ ZCH

Explanation

T_{KN} = Nom. Transmissible torque	D₁ = Outer diameter	S_D = Disassembly Space
T_{Kmax} = Max. transmissible torque of the coupling	D₂ = Outer diameter hub	ΔK_r = Max. permissible radial misalignment
n_{max} = Max. rotation speed	C₁ = Guided length in hub bore	ΔK_w = Max. permissible angular misalignment
d_{1kmin}; d_{2kmin} = Min. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	E = Gap width between left and right component	J = Total moment of inertia
d_{1kmax}; d_{2kmax} = Max. bore diameter d ₁ /d ₂ with keyway acc. to DIN 6885-1	L = Total length	V_{GR} = Grease volume
	L₁ = Overall length (without screws)	GW_{sb} = Weight at smallest bore diameter

Ordering example

Identifier	Size	d _{1k}	d _{2k}	Further details
XC0120	209	140	155	*

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

Further information on
RINGFEDER® TNZ ZCH
 on www.ringfeder.com

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