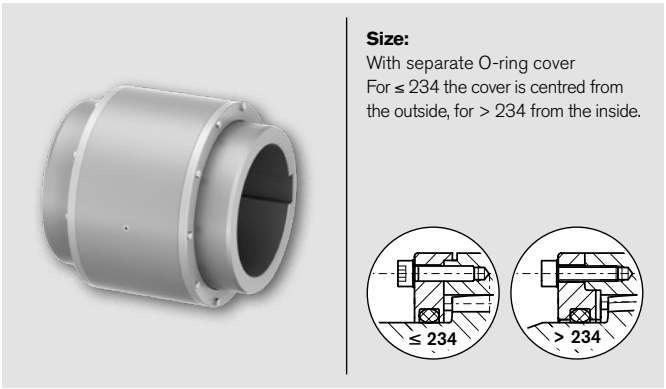
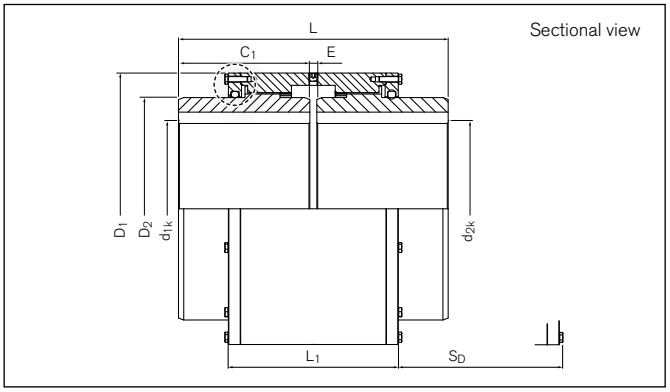
Gear Couplings

RINGFEDER® TNZ ZCH

Standard hubs with one-piece casing



Size:
With separate O-ring cover
For ≤ 234 the cover is centred from the outside, for > 234 from the inside.



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
XC0106	69	1750	3500	6000	12 - 50	12 - 50	98	69
XC0108	85	2750	5500	4600	18 - 60	18 - 60	115	85
XC0110	107	5500	11000	4200	28 - 75	28 - 75	145	107
XC0113	133	8500	17000	4000	40 - 95	40 - 95	176	133
XC0115	152	13500	27000	3850	50 - 110	50 - 110	196	152
XC0117	179	22000	44000	3700	60 - 130	60 - 130	225	179
XC0120	209	35000	70000	3200	70 - 155	70 - 155	256	209
XC0123	234	43000	86000	2900	85 - 175	85 - 175	286	234
XC0125	254	68000	136000	2600	95 - 190	95 - 190	310	254
XC0127	279	82000	164000	2300	110 - 210	110 - 210	345	279
XC0130	305	150000	300000	2100	120 - 230	120 - 230	375	305
XC0135	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}	Gw_{sb}
ZCH		mm	mm	mm	mm	mm	mm	degree	$10^{-3}kgm^2$	dm^3	kg
XC0106	69	43	3	89	76	30	0,42	2 x 0,5	6	0,07	4,6
XC0108	85	50	3	103	83	37	0,51	2 x 0,5	11	0,08	7,0
XC0110	107	62	3	127	94	48	0,66	2 x 0,5	33	0,13	13,3
XC0113	133	76	5	157	123	56	0,77	2 x 0,5	93	0,22	24,5
XC0115	152	90	5	185	127	70	0,99	2 x 0,5	155	0,38	33,8
XC0117	179	105	6	216	144	79	1,15	2 x 0,5	327	0,58	50,5
XC0120	209	120	6	246	160	92	1,33	2 x 0,5	595	0,75	75,9
XC0123	234	135	8	278	178	103	1,50	2 x 0,5	1040	1,25	104,7
XC0125	254	150	8	308	194	120	1,75	2 x 0,5	1551	1,92	131,7
XC0127	279	175	8	358	220	136	1,99	2 x 0,5	2713	2,67	185,4
XC0130	305	190	8	388	234	148	2,16	2 x 0,5	4071	3,33	236,6
XC0135	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

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Explanation

T_{KN}	= Nom. Transmissible torque	D_1	= Outer diameter	S_D	= Disassembly Space
T_{Kmax}	= Max. transmissible torque of the coupling	D_2	= Outer diameter hub	ΔK_r	= Max. permissible radial misalignment
n_{max}	= Max. rotation speed	C_1	= 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
		L_1	= 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	*

*) 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**