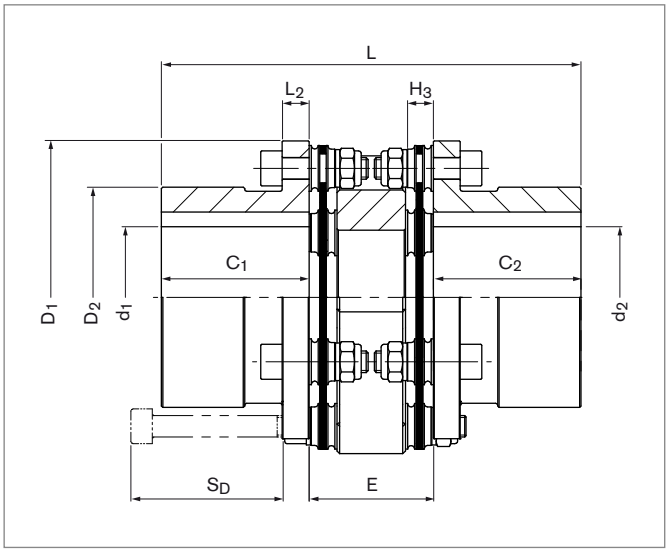
Steel Disc Couplings

RINGFEDER® TND OCO

Standard Hubs with Open Flange, Double-Jointed, with Compact-Spacer, Shaft-Hub Connection by Keyway





Size	$T_{KN}HD$ [1]	$T_{KN}HT$ [1]	n_{max}	d_{pre} [3]	$d_{1K};d_{2K}$ max [4]	C_1 / C_2	E	H_3	D_1	D_2	L_2	L	S_D	n_{Sc}
OCO	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Quantity
47	170	230	8400	10	32	39,5	31,2	7,5	70,5	47	5	110	24	6
63	320	420	6800	14	42	45	38	9	88	62,5	8	128	32	6
82	750	1050	5400	15	55	55	46,5	10,5	116	82	10	156,5	40	6
98	1350	1750	4600	19	65	60	55	12	140,5	98	11	175	47	6

Size	GW_{SB} [6]	J_{SB} [6]	$C_{Tdyn}HD$	$C_{Tdyn}HT$	Max. Permissible Misalignment [7] axial ΔK_aHD	axial ΔK_aHT	angular ΔK_wHD	angular ΔK_wHT	radial ΔK_rHD	radial ΔK_rHT
OCO	kg	$10^{-3}kgm^2$	10^6 Nm/rad	10^6 Nm/rad	mm	mm	Degrees	Degrees	mm	mm
47	1,6	0,71	0,084	0,089	0,9	0,5	2	1,4	0,3	0,2
63	3,1	2,2	0,136	0,151	0,8	0,7	2	1,4	0,4	0,3
82	6,7	8	0,309	0,360	1,4	0,6	2	1,4	0,5	0,4
98	10,3	18	0,569	0,607	2	1	2	1,4	0,7	0,5

1) When selecting the size, it is essential to observe the instructions on coupling dimensioning in the document "Product Paper & Tech Paper RINGFEDER® Steel Disc Couplings". Short-term peak torque T_{kmax} is limited to 1.75 multiples of T_{KN}.

3) Pre-bore has free tolerance.

4) Maximum finished bore with keyways according to DIN 6885-1.

6) Weight and mass moments of inertia for pre-bored hubs.

7) The maximum misalignment values must not apply simultaneously. The instructions on coupling dimensioning in the document "Product Paper & Tech Paper RINGFEDER® Steel Disc Couplings" are to be observed.

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Explanations

$T_{KN}HD$ = Nom. transmissible torque with disc pack HD

$T_{KN}HT$ = Nom. transmissible torque with disc pack HT

n_{max} = Max. rotational speed

d_{pre} = Diamater pre-bore

d_{1kmax} = Max. bore diameter d_1 with keyway acc. to DIN 6885-1

d_{2kmax} = Max. bore diameter d_2 with keyway acc. to DIN 6885-1

C_1 = Guided length in hub bore

C_2 = Guided length in hub bore

E = Distance between hubs

H_3 = Width of the disc pack

D_1 = Max. outer diameter

D_2 = Outer diameter hub

L_2 = Hub flange thickness

L = Total length

S_D = Disassembly space

n_{Sc} = Quantity of screws

Gw_{SB} = Weight at smallest bore diameter

J_{SB} = Moment of inertia at smallest bore diameter.

C_{TdynHD} = Dynamic torsional stiffness with disc pack HD

C_{TdynHT} = Dynamic torsional stiffness with disc pack HT

ΔK_aHD = Max. permissible axial misalignment with disc pack HD

ΔK_aHT = Max. permissible axial misalignment with disc pack HT

ΔK_wHD = Max. permissible angular misalignment with disc pack HD

ΔK_wHT = Max. permissible angular misalignment with disc pack HT

ΔK_rHD = Max. permissible radial misalignment with disc pack HD

ΔK_rHT = Max. permissible radial misalignment with disc pack HT

Ordering example

Type	Size	Disc pack	Bore diameter d_1	Bore diameter d_2
TND OCO	98	HD	50	60

Further information on
RINGFEDER® TND OCO
on **www.ringfeder.com**

Technical Information

- Without further specifications, we deliver as standard: Bore tolerance H7; Keyway acc. to DIN 6885-1; Keyway width tolerance P9; Set screw per hub.
- From a peripheral speed of 30 m/s, separate balancing of the individual coupling parts is recommended.
- Without further instructions on balancing, the coupling parts are balanced individually according to DIN 21940-11 in quality G 6,3 at 1,500 1/min. The hubs are balanced half key (before grooving), the spacer without screwed-on disc packs.

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 to carry out modifications at any time in the interests of technical progress.

RINGFEDER POWER TRANSMISSION