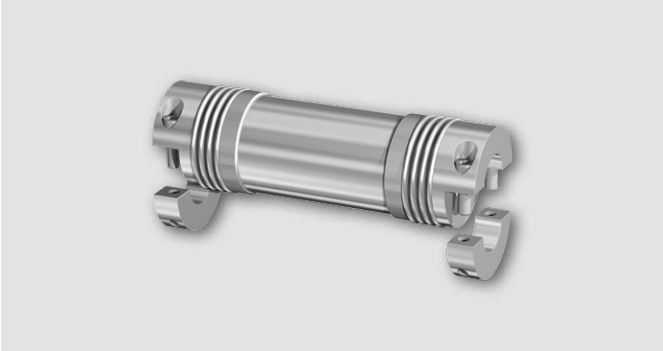
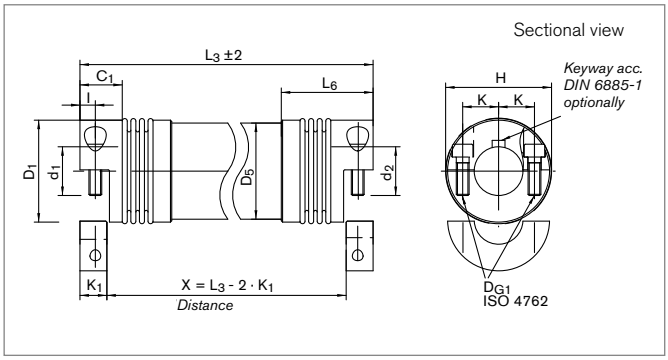
Metal Bellows Couplings

RINGFEDER® GWB Z5106

Metal bellows coupling with clamping in split hub design





Size	$d_1;d_2$ min-max	$d_{1k};d_{2k}$ min-max	C_1	D_1	D_5	H	l
	mm	mm	mm	mm	mm	mm	mm
18	8 - 25	8 - 22	20	45	40	47,5	6
30	10 - 25	10 - 22	24,5	55	50	56	8
60	12 - 35	12 - 29	29	64	60	66,5	10
150	14 - 40	14 - 36	33	80	80	83	12
200	22 - 44	22 - 38	37,5	90	90	92	13
300	24 - 55	24 - 52	37,5	110	100	110	13
500	35 - 62	35 - 54	41	119	114	122	15

Transmission of the couplings transmissible torque T can not longer be guaranteed for certain with borings < dmin. Types with borings < dmin, however, can be supplied.

Size	K	K_1	L_{3min}	L_{3max}	L_6	T	C_m	ΔK_w	D_{G1}	T_{A1}
	mm	mm	mm	mm	mm	Nm	Nm/rad	degree	mm	Nm
18	17,5	11	134	3000	53	22	3244	1	1 x M5	6
30	20	15	133	3000	52	36	6632	1	1 x M6	12
60	23,5	19	165	3000	64	75	11814	1	1 x M8	30
150	28	21	205	3000	72	180	49929	1	1 x M10	85
200	31	24	218	3000	80	240	75797	1	1 x M12	100
300	39	24	227	3000	83	360	91158	1	1 x M12	120
500	43	27,5	251	3000	90	600	203202	1	1 x M14	190

To continue see next page

Metal Bellows Couplings RINGFEDER® GWB Z5106

Transmissible torque T [Nm]

Size	Ø8	Ø9	Ø10	Ø11	Ø12	Ø14	Ø15	Ø18	Ø20	Ø22	Ø24	Ø25	Ø28	Ø30	Ø35	Ø40	Ø45	Ø50	Ø55	Ø60	Ø64
18	13,6	15,3	17	18,7	20,4	22	22	22	22	22	22	22	---	---	---	---	---	---	---	---	---
30	---	---	28	30	33	36	36	36	36	36	36	36	36	36	---	---	---	---	---	---	---
60	---	---	---	---	62	73	75	75	75	75	75	75	75	75	75	---	---	---	---	---	---
150	---	---	---	---	---	167	180	180	180	180	180	180	180	180	180	180	---	---	---	---	---
200	---	---	---	---	---	---	---	---	---	240	240	240	240	240	240	240	240	---	---	---	---
300	---	---	---	---	---	---	---	---	---	---	342	360	360	360	360	360	360	360	360	360	---
500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	600	600	600	600	600	600	600

Explanation

$d_1;d_{2min}$ = Min. bore diameter d_1/d_2

$d_1;d_{2max}$ = Max. bore diameter d_1/d_2

$d_{1k};d_{2kmin}$ = Min. bore diameter d_1/d_2 with keyway acc. to DIN 6885-1

$d_{1k};d_{2kmax}$ = Max. bore diameter d_1/d_2 with keyway acc. to DIN 6885-1

C_1 = Guided length in hub bore

D_1 = Outer diameter

D_5 = Tube diameter

H = Clearance diameter

I = Distance between center screw hole and hub end

K = Distance shaft axis - clamping screw axis

K_1 = Clamping length

L_{3min} = Min. length of line shaft

L_{3max} = Max. length of line shaft

L_6 = Length of basic part

T = Transmissible torque at given T_A

C_m = Torsional stiffness of extension tube per meter

ΔK_w = Max. permissible angular misalignment

n_{Sc1} = Quantity of screws D_{G1}

D_{G1} = Thread

T_{A1} = Tightened torque of clamping screw D_{G1}

Ordering example

Series/Size	Bore diameter d_1	Bore diameter d_2	Length of Line Shaft L_3	Further details
GWB Z5106-18	8	10	1000	*

* Keyway or stainless steel

Further information on
RINGFEDER® GWB Z5106
on **www.ringfeder.com**

RINGFEDER POWER TRANSMISSION