

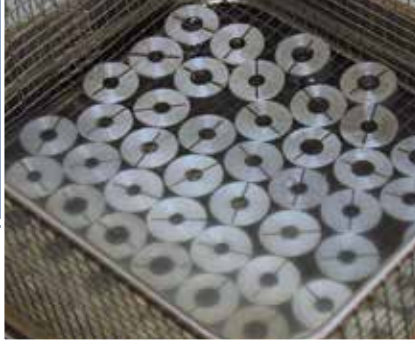
*Metal Bellows Couplings*

**ECOLOC**



US  
05|2014

**ECOLOC**



## **ECOLOC you can trust – others you can't be sure!**

Where the focus is on cost efficient solutions, RINGFEDER POWER TRANSMISSION can now provide the answer with the ECOLOC product line, offering an unbeatable price-performance ratio. Improved manufacturing processes ensure competitive pricing, making it possible to produce a quality low cost RINGFEDER POWER TRANSMISSION branded product which is suitable for most applications.



# **ECOLOC**

## Backlash-free Metal Bellows Coupling

**Absolutely backlash-free · Life time proof and maintenance-free**  
**Accurate transmission characteristics · Installation and removal friendly**



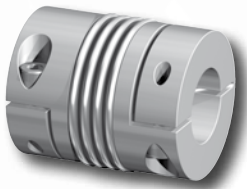
Page 04 **5075 ECOLOC**

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Page 06 **5078 ECOLOC**

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Page 08 **5080 ECOLOC**

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Page 10 **5085 ECOLOC**

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## Backlash-free Metal Bellows Coupling

# 5075 ECOLOC

Short design · High torsional stiffness · Low moment of inertia

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

### Inch dimensions

Size	L±2	D <sub>1</sub>	H	d <sub>1</sub> /d <sub>2</sub> min-max	C <sub>1</sub>	K	I	D <sub>G1</sub>
	inch	inch	inch	inch	inch	inch	inch	mm
18	1.890	1.772	2.283	0.397 - 1.024	0.650	0.689	0.217	M5
30	2.283	2.165	2.204	0.397 - 1.181	0.827	0.787	0.295	M6
60	2.638	2.520	2.638	0.551 - 1.339	0.925	0.925	0.354	M8
150	3.071	3.150	3.251	0.669 - 1.654	1.102	1.122	0.413	M10
300	3.701	4.331	4.331	0.945 - 2.362	1.283	1.535	0.492	M12
500	3.937	4.685	4.843	1.260 - 2.756	1.413	1.791	0.551	M14

### Dimensions

**L** = Total length of coupling  
**D<sub>1</sub>** = Outer diameter of hub 1  
**H** = Clearance diameter  
**d<sub>1</sub>** = Bore diameter  
**d<sub>2</sub>** = Bore diameter  
**C<sub>1</sub>** = Guided length in hub boring d<sub>1</sub>

**K** = Distance shaft axis - clamping screw axis  
**I** = Distance between center screw hole and hub end  
**D<sub>G1</sub>** = Thread

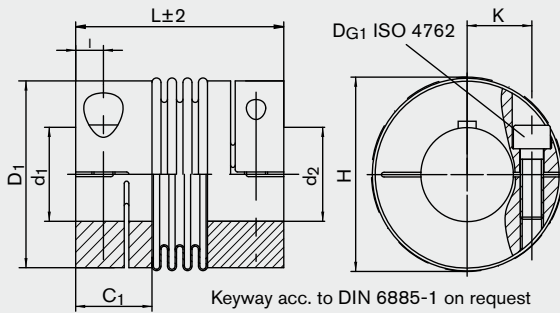
### Ordering example: 5075 ECOLOC

Type Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Further details
5075 ECOLOC 30	0.433	0.590	*

\* Keyway

### Bore range (mm/inch)

Size	10	11	12	1/2"	13	14	15	5/8"	16	17	18	19	3/4"	20	22	7/8"	23	24	25
18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
60						•	•	•	•	•	•	•	•	•	•	•	•	•	•
150										•	•	•	•	•	•	•	•	•	•
300																		•	•
500																			



**Sectional view**

Technical data												
Size	T	T <sub>A1</sub>	C <sub>Tdyn</sub>	C <sub>r</sub>	C <sub>a</sub>	n <sub>max</sub>	ΔKa	ΔKw	ΔKr	Gw	J	
	ft-lbs	ft-lbs	10 <sup>3</sup> ft-lbs/rad	lbs/inch	lbs/inch	rpm	± inch	degree	inch	lbs	lbs-in <sup>2</sup>	
18	13	4.5	5.9	1239	126	12700	0.016	1	0.004	0.29	136.70	
30	22	9	25.815	4111	286	10200	0.016	1	0.004	0.52	375.90	
60	44	22	55.318	6281	514	8600	0.016	1	0.004	0.79	820.10	
150	111	63	110.636	11420	857	6800	0.016	1	0.008	1.43	2289.40	
300	221	88	368.785	35973	1599	5900	0.016	1	0.008	3.1	8952.50	
500	369	140	501.548	50248	571	4900	0.02	1	0.008	3.5	13328.78	

**Technical Data**

**T** = Transmissible torque at given T<sub>A</sub>

**T<sub>A1</sub>** = Tightened torque of clamping screw side 1 (and 2)

**C<sub>Tdyn</sub>** = Dynamic torsional stiffness

**C<sub>r</sub>** = Radial spring stiffness

**C<sub>a</sub>** = Axial spring stiffness

**n<sub>max</sub>** = Max. rotational speed

**ΔKa** = Max. permissible axial deviation

**ΔKw** = Max. permissible angularly deviation

**ΔKr** = Max. permissible radial deviation

**Gw** = Weight

**J** = Total moment of inertia

**Characteristics**

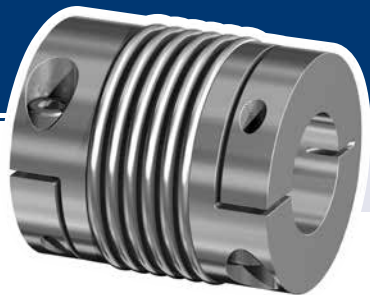
- Metal bellows made of stainless steel, hubs made of aluminum
- The shaft tolerance should be within the fit tolerance "g6" or "h7"
- The contact surfaces have to be free from oil and grease
- Optional designs with keyways DIN 6885-1



Size	Bore range (mm/inch)																						
	1"	26	27	28	30	31	1 1/4"	32	34	1 3/8"	35	38	40	42	44	45	48	50	55	60	65	70	
18	●	●																					
30	●	●	●	●	●																		
60	●	●	●	●	●	●	●	●	●														
150	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
500								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

# 5078 ECOLOC

Compact design · High misalignment compensation



Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

## Inch dimensions

Size	L±2	D <sub>1</sub>	H	d <sub>1</sub> /d <sub>2</sub> min-max	C <sub>1</sub>	K	I	D <sub>G1</sub>
	inch	inch	inch	inch	inch	inch	inch	mm
18	2.244	1.772	2.283	0.397 - 1.024	0.650	0.689	0.217	M5
30	2.598	2.165	2.204	0.397 - 1.181	0.827	0.787	0.295	M6
60	3.071	2.520	2.638	0.551 - 1.339	0.925	0.925	0.354	M8
150	3.583	3.150	3.251	0.669 - 1.654	1.102	1.122	0.413	M10
300	1.134	4.331	4.331	0.945 - 2.362	1.283	1.535	0.492	M12
500	4.409	4.685	4.843	1.260 - 2.756	1.413	1.791	0.551	M14

## Dimensions

L = Total length of coupling  
 D<sub>1</sub> = Outer diameter of hub 1  
 H = Clearance diameter  
 d<sub>1</sub> = Bore diameter  
 d<sub>2</sub> = Bore diameter

C<sub>1</sub> = Guided length in hub boring d<sub>1</sub>  
 K = Distance shaft axis - clamping screw axis  
 I = Distance between center screw hole and hub end  
 D<sub>G1</sub> = Thread

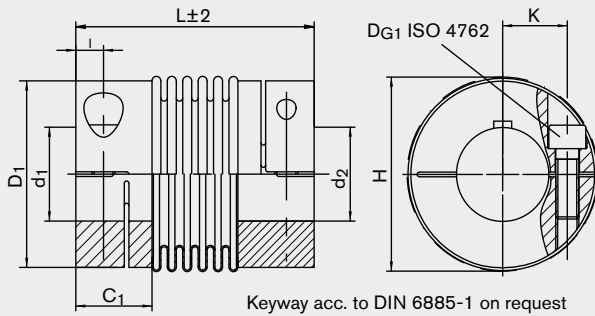
## Ordering example: 5078 ECOLOC

Type Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Further details
5078 ECOLOC 30	0.433	0.590	*

\* Keyway

## Bore range (mm/inch)

Size	10	11	12	1/2"	13	14	15	5/8"	16	17	18	19	3/4"	20	22	7/8"	23	24	25
18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
60						•	•	•	•	•	•	•	•	•	•	•	•	•	•
150										•	•	•	•	•	•	•	•	•	•
300																		•	•
500																			



### Sectional view

Technical data											
Size	T	T <sub>A1</sub>	C <sub>Tdyn</sub>	C <sub>r</sub>	C <sub>a</sub>	n <sub>max</sub>	ΔKa	ΔKw	ΔKr	Gw	J
	ft-lbs	ft-lbs	10 <sup>3</sup> ft-lbs/rad	lbs/inch	lbs/inch	rpm	± inch	degree	inch	lbs	lbs-in <sup>2</sup>
18	13	4.5	5.9	1142	285	12700	0.020	1	0.004	0.29	136.7
30	22	9	18.439	1256	171	10200	0.02	1,5	0.008	0.52	375.9
60	44	22	36.878	1884	314	8600	0.020	1,5	0.008	0.79	820.1
150	111	63	73.757	3426	485	6800	0.020	1,5	0.008	1.43	2289.4
300	221	88	206.520	8565	856.5	5900	0.020	1,5	0.008	3.1	8952.5
500	369	140	228.647	5710	485	4900	0.039	1,5	0.008	3.5	13326.3

### Technical Data

**T** = Transmissible torque at given T<sub>A</sub>

**T<sub>A1</sub>** = Tightened torque of clamping screw side 1 (and 2)

**C<sub>Tdyn</sub>** = Dynamic torsional stiffness

**C<sub>r</sub>** = Radial spring stiffness

**C<sub>a</sub>** = Axial spring stiffness

**n<sub>max</sub>** = Max. rotational speed

**ΔKa** = Max. permissible axial deviation

**ΔKw** = Max. permissible angularly deviation

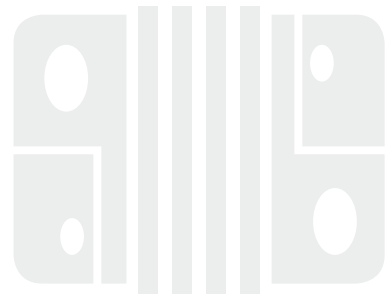
**ΔKr** = Max. permissible radial deviation

**Gw** = Weight

**J** = Total moment of inertia

### Characteristics

- Metal bellows made of stainless steel, hubs made of aluminum
- The shaft tolerance should be within the fit tolerance „g6“ or „h7“
- The contact surfaces have to be free from oil and grease
- Optional designs with keyways DIN 6885-1



Size	Bore range (mm/inch)																						
	1"	26	27	28	30	31	1 1/4"	32	34	1 3/8"	35	38	40	42	44	45	48	50	55	60	65	70	
18	●	●																					
30	●	●	●	●	●																		
60	●	●	●	●	●	●	●	●	●														
150	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
500								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

# 5080 ECOLOC

Compact design · High torsional stiffness



Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Inch dimensions

Size	L±2	D <sub>1</sub>	H	d <sub>1</sub> /d <sub>2</sub> min-max	C <sub>1</sub>	K	I	D <sub>G1</sub>
	inch	inch	inch	inch	inch	inch	inch	mm
0.9	0.906	0.630	0.709	0.118 - 0.315	0.276	0.197	0.079	M2
1.5	1.024	0.787	0.827	0.118 - 0.394	0.354	0.276	0.118	M3
2	1.260	0.984	1.063	0.118 - 0.472	0.433	0.354	0.157	M3
4.5	1.614	1.300	1.339	0.236 - 0.63	0.512	0.472	0.197	M4
10	1.850	1.575	1.654	0.236 - 0.748	0.551	0.630	0.197	M4
18	2.480	1.771	1.900	0.394 - 0.984	0.787	0.709	0.236	M5
30	2.559	2.165	2.205	0.394 - 0.984	0.984	0.787	0.315	M6
60	3.071	2.520	2.638	0.551 - 1.26	1.142	0.945	0.394	M8
150	3.543	3.150	3.307	0.787 - 1.575	1.300	1.102	0.472	M10
200	3.898	3.543	3.661	0.984 - 1.732	1.496	1.220	0.512	M12
300	4.094	4.331	4.331	1.260 - 1.969	1.496	1.535	0.512	M12
500	4.370	4.686	4.803	1.575 - 2.362	1.614	1.693	0.591	M14

Dimensions

- L = Total length of coupling
- D<sub>1</sub> = Outer diameter of hub 1
- H = Clearance diameter
- d<sub>1</sub> = Bore diameter
- d<sub>2</sub> = Bore diameter
- C<sub>1</sub> = Guided length in hub boring d<sub>1</sub>
- K = Distance shaft axis - clamping screw axis
- I = Distance between center screw hole and hub end
- D<sub>G1</sub> = Thread

Ordering example: 5080 ECOLOC

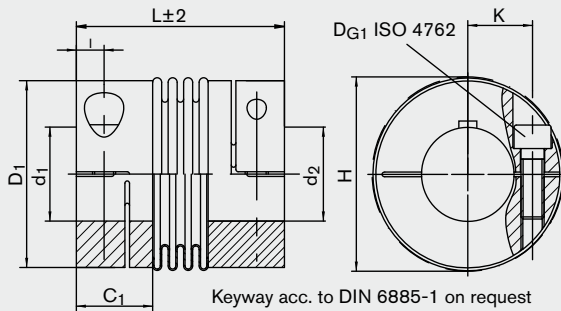
Type Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Further details
5080 ECOLOC 60	0.787	0.787	*

\* Keyway

Bore range (mm/inch)

Size	3	1/8"	4	3/16"	5	6	1/4"	7	5/16"	8	9	3/8"	10	11	12	1/2"	13	14	15	5/8"	16	17	18	19	3/4"
0.9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1.5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4.5					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
10						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
18													●	●	●	●	●	●	●	●	●	●	●	●	●
30													●	●	●	●	●	●	●	●	●	●	●	●	●
60																		●	●	●	●	●	●	●	●
150																									
200																									
300																									
500																									





**Sectional view**

Technical data											
Size	T	TA1	CTdyn	Cr	Ca	nmax	ΔKa	ΔKw	ΔKr	Gw	J
	ft-lbs	ft-lbs	10 <sup>3</sup> ft-lbs/rad	lbs/inch	lbs/inch	rpm	± inch	degree	inch	lbs	lbs-in <sup>2</sup>
0.9	0.7	0.22	4.4	1068	206	15000	0.008	1.2	0.0039	0.02	1.03
1.5	1.1	0.6	6.6	794	69	15000	0.01	1.2	0.0039	0.05	3.759
2	1.5	0.75	13.3	839	51	15000	0.012	1.2	0.0039	0.08	8.543
4.5	3.3	2.2	57.5	2535	268	15000	0.012	1.2	0.0039	0.16	34.17
10	7.4	2.2	71.7	2061	194	15000	0.016	1.2	0.0059	0.12	78.59
18	13	4.5	70.8	1142	286	12700	0.02	1.5	0.008	0.16	170.85
30	22	9	309.8	4111	286	10200	0.016	1	0.0039	0.26	410.04
60	44	22	663.8	6281	514	8600	0.016	1	0.0039	0.44	990.93
150	111	63	1327.7	11420	857	6800	0.016	1	0.008	0.98	2972.79
200	148	75	1504.7	14275	857	6300	0.016	1	0.008	1.16	4920.48
300	221	88	4425.5	35973	1599	5900	0.016	1	0.008	1.35	10251
500	369	140	6018.7	50248	571	4900	0.02	1	0.008	1.71	16059.9

**Technical Data**

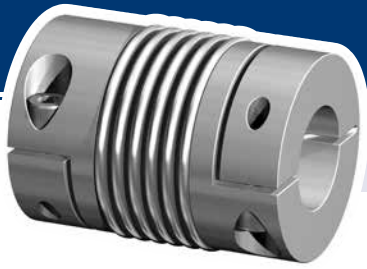
- T = Transmissible torque at given TA
- TA1 = Tightened torque of clamping screw side 1 (and 2)
- CTdyn = Dynamic torsional stiffness
- Cr = Radial spring stiffness
- Ca = Axial spring stiffness
- nmax = Max. rotational speed
- ΔKa = Max. permissible axial deviation
- ΔKw = Max. permissible angularly deviation
- ΔKr = Max. permissible radial deviation
- Gw = Weight
- J = Total moment of inertia

**Characteristics**

- Metal bellows made of stainless steel, hubs made of aluminum
- The shaft tolerance should be within the fit tolerance „g6“ or „h7“
- The contact surfaces have to be free from oil and grease
- Optional designs with keyways DIN 6885-1

Size	Bore range (mm/inch)																										
	20	22	7/8"	23	24	25	1"	26	27	28	30	31	1 1/4"	32	34	1 3/8"	35	38	40	42	44	45	48	50	55	60	
0.9																											
1.5																											
2																											
4.5																											
10																											
18	●	●	●	●	●	●																					
30	●	●	●	●	●	●																					
60	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
150	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
200						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
300														●	●	●	●	●	●	●	●	●	●	●	●	●	●
500																				●	●	●	●	●	●	●	●

# 5085 ECOLOC



Rear installation space · High misalignment compensation

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Inch dimensions

Size	L±2	D <sub>1</sub>	H	d <sub>1</sub> /d <sub>2</sub> min-max	C <sub>1</sub>	K	I	D <sub>G1</sub>
	inch	inch	inch	inch	inch	inch	inch	mm
0.9	1.181	0.630	0.709	0.118 - 0.315	0.276	0.197	0.079	M2
1.5	1.181	0.787	0.827	0.118 - 0.394	0.354	0.276	0.118	M2,5
2	1.654	0.984	1.063	0.118 - 0.472	0.433	0.354	0.157	M3
4.5	1.969	1.299	1.339	0.236 - 0.630	0.512	0.472	0.197	M4
10	2.244	1.575	1.654	0.236 - 0.748	0.551	0.630	0.197	M4
18	2.795	1.772	1.850	0.394 - 0.984	0.787	0.709	0.236	M5
30	2.874	2.165	2.205	0.394 - 0.984	0.984	0.787	0.315	M6
60	3.504	2.520	2.638	0.551 - 1.260	1.142	0.945	0.394	M8
150	4.055	3.150	3.307	0.787 - 1.575	1.339	1.102	0.472	M10
200	4.449	3.543	3.661	0.984 - 1.732	1.496	1.22	0.512	M12
300	4.528	4.331	4.331	1.260 - 1.969	1.496	1.545	0.512	M12
500	4.803	4.685	4.803	1.575 - 2.362	1.614	1.693	0.591	M14

Dimensions

- L = Total length of coupling
- D<sub>1</sub> = Outer diameter of hub 1
- H = Clearance diameter
- d<sub>1</sub> = Bore diameter
- d<sub>2</sub> = Bore diameter
- C<sub>1</sub> = Guided length in hub boring d<sub>1</sub>
- K = Distance shaft axis - clamping screw axis
- I = Distance between center screw hole and hub end
- D<sub>G1</sub> = Thread

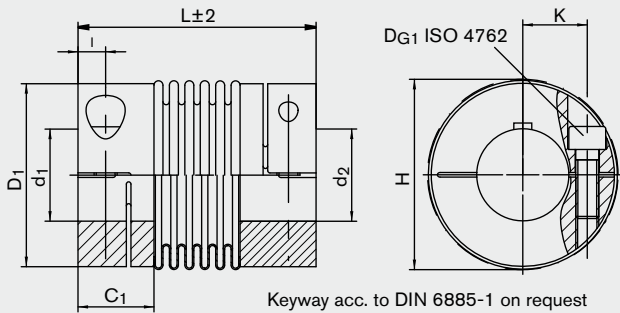
Ordering example: 5085 ECOLOC

Type Size	Bore diameter d <sub>1</sub>	Bore diameter d <sub>2</sub>	Further details
5085 ECOLOC 2	0.157	0.236	*

\* Keyway

Bore range (mm/inch)

Size	3	1/8"	4	3/16"	5	6	1/4"	7	5/16"	8	9	3/8"	10	11	12	1/2"	13	14	15	5/8"	16	17	18	19	3/4"
0.9	•	•	•	•	•	•	•	•	•	•															
1.5	•	•	•	•	•	•	•	•	•	•	•	•	•												
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•											
4.5					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
10					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18													•	•	•	•	•	•	•	•	•	•	•	•	•
30													•	•	•	•	•	•	•	•	•	•	•	•	•
60																		•	•	•	•	•	•	•	•
150																									
200																									
300																									
500																									



Keyway acc. to DIN 6885-1 on request

**Sectional view**

Technical data												
Size	T	T <sub>A1</sub>	C <sub>Tdyn</sub>	C <sub>r</sub>	C <sub>a</sub>	n <sub>max</sub>	ΔKa	ΔKw	ΔKr	Gw	J	
	ft-lbs	ft-lbs	10 <sup>3</sup> ft-lbs/rad	lbs/inch	lbs/inch	rpm	± inch	degree	inch	lbs	lbs-in <sup>2</sup>	
0.9	0.7	0.22	2.7	240	126	15000	0.016	2	0.008	0.02	1	
1.5	1.1	0.6	6.2	463	131	15000	0.016	2	0.006	0.05	4	
2	1.5	0.75	8.9	263	80	15000	0.02	2	0.010	0.09	9.6	
4.5	3.3	2.2	35	617	166	15000	0.02	2	0.008	0.17	35	
10	7.4	2.2	59	1102	263	15000	0.02	2	0.010	0.29	85	
18	13	4.5	53	485	228	12700	0.02	1.5	0.008	0.04	205	
30	22	9	221	1256	171	10200	0.02	1.5	0.008	0.6	444	
60	44	22	442	1884	314	8600	0.02	1.5	0.008	2.2	1025	
150	111	63	885	3426	485	6800	0.02	1.5	0.008	2.2	3075	
200	148	75	1062	2570	485	6300	0.02	1.5	0.008	2.6	5126	
300	221	88	2478	8565	857	5900	0.02	1.5	0.008	3.1	10934	
500	369	140	2743	5710	485	4900	0.039	1.5	0.008	4.0	16743	

**Technical Data**

- T** = Transmissible torque at given T<sub>A</sub>
- T<sub>A1</sub>** = Tightened torque of clamping screw side 1 (and 2)
- C<sub>Tdyn</sub>** = Dynamic torsional stiffness
- C<sub>r</sub>** = Radial spring stiffness
- C<sub>a</sub>** = Axial spring stiffness
- n<sub>max</sub>** = Max. rotational speed
- ΔKa** = Max. permissible axial deviation
- ΔKw** = Max. permissible angularly deviation
- ΔKr** = Max. permissible radial deviation
- Gw** = Weight
- J** = Total moment of inertia

**Characteristics**

- Metal bellows made of stainless steel, hubs made of aluminum
- The shaft tolerance should be within the fit tolerance „g6” or „h7”
- The contact surfaces have to be free from oil and grease
- Optional designs with keyways DIN 6885-1

Size	Bore range (mm/inch)																										
	20	22	7/8"	23	24	25	1"	26	27	28	30	31	1 1/4"	32	34	1 3/8"	35	38	40	42	44	45	48	50	55	60	
0.9																											
1.5																											
2																											
4.5																											
10																											
18	●	●	●	●	●	●																					
30	●	●	●	●	●	●																					
60	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
150	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
200						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
300							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
500																				●	●	●	●	●	●	●	●

# Metal Bellows Couplings



On this page please explain the planned application of an ECOLOC coupling and we will propose our solution. Please send this page to:

**RINGFEDER POWER TRANSMISSION CORPORATION**

**FAX: +1 201 664 6053**

### 1. Application

Planned use of the coupling (machine, machine group or plant):

### 2. Type of attachment (please tick/check)

- |                                       |                                     |  |  |
|---------------------------------------|-------------------------------------|--|--|
| <input type="checkbox"/> Clamping hub | <input type="checkbox"/> Cone hub   | <input type="checkbox"/> Expanding hub | <input type="checkbox"/> Hub with set screw    |
| <input type="checkbox"/> Flange mount | <input type="checkbox"/> Outer cone | <input type="checkbox"/> Fanuc         | <input type="checkbox"/> Acc. customer request |

### 3. Dimensions

- |  |   |                             |
|--|---|-----------------------------|
| <input type="text"/> Length (Inches)         | <input type="text"/> Bore D <sub>1</sub> (Inches) | <input type="text"/> Keyway |
| <input type="text"/> Outer diameter (Inches) | <input type="text"/> Bore D <sub>2</sub> (Inches) | <input type="text"/> Keyway |

### 4. Shaft misalignment

- |                                     |                                      |                                       |
|-------------------------------------|--------------------------------------|---------------------------------------|
| <input type="text"/> Axial (Inches) | <input type="text"/> Radial (Inches) | <input type="text"/> Angular (Degree) |
|-------------------------------------|--------------------------------------|---------------------------------------|

### 5. Drive

- |             |  |                             |   |
|-------------|--|-----------------------------|---|
| Drive power | <b>P =</b> <input type="text"/> <b>HP</b>  | Nominal torque of the drive | <b>Mt<sub>nom</sub> =</b> <input type="text"/> <b>lb-in</b> |
| Input speed | <b>n =</b> <input type="text"/> <b>rpm</b> | Peak torque of the drive    | <b>Mt<sub>max</sub> =</b> <input type="text"/> <b>lb-in</b> |

### 6. Mass moment of inertia

- |                   |  |                    |  |
|-------------------|--|--------------------|--|
| On the drive side | <b>J<sub>A</sub> =</b> <input type="text"/> <b>lb-in<sup>2</sup></b> | On the driven side | <b>J<sub>L</sub> =</b> <input type="text"/> <b>lb-in</b> |
|-------------------|--|--------------------|--|

### 7. Environmental influences

Temperature in the area of the coupling **Temp =**  **°F** Special materials (e.g. stainless steel)

Are there any impacts on the load side?  No  Slight  Medium  Heavy

Other, special influences

### 8. Estimated demand

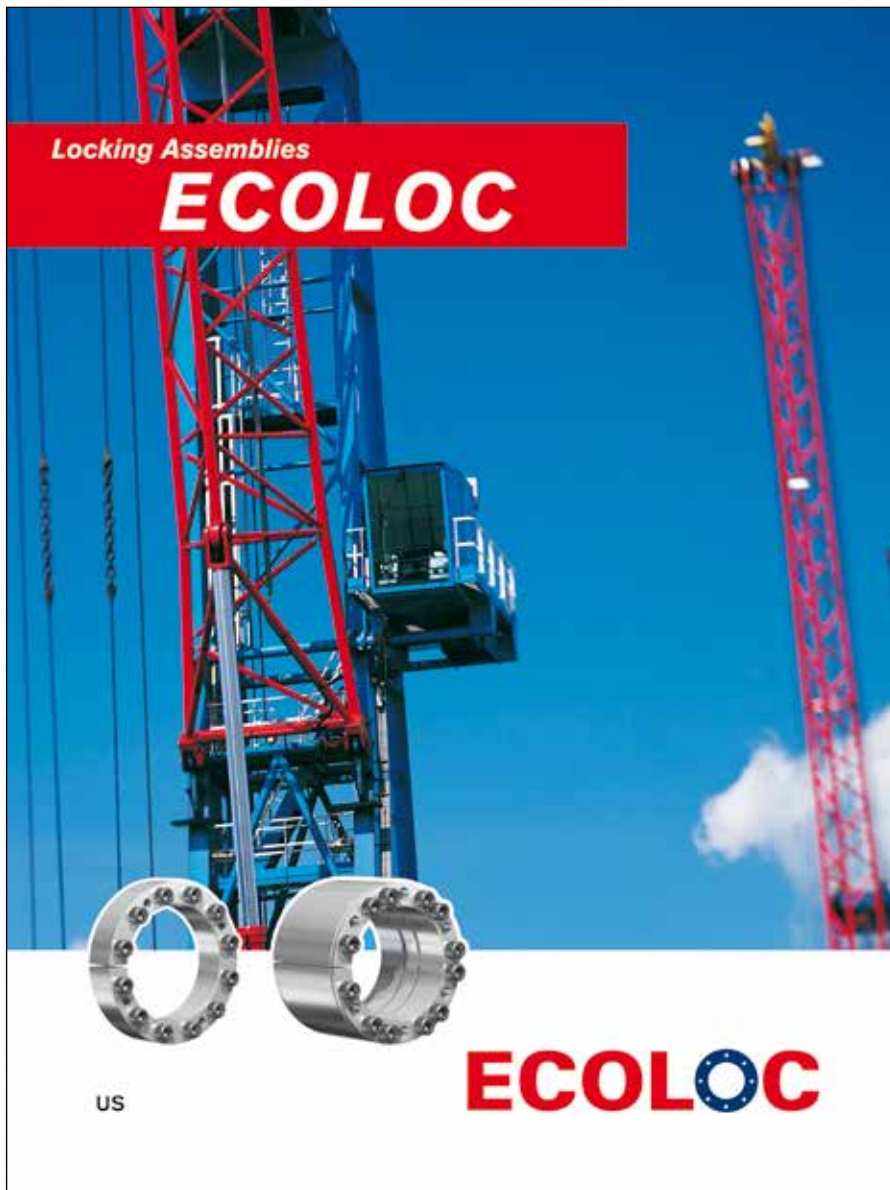
### 9. Target price

<input type="checkbox"/> Type	<input type="checkbox"/> Project	<input type="checkbox"/> Repair	<input type="checkbox"/> Number of items / p.a.	<input type="text"/> \$/Each
-------------------------------	----------------------------------	---------------------------------	---	------------------------------

Please send your offer to:

Company	<input type="text"/>	Attention	<input type="text"/>
Address	<input type="text"/>		
Phone	<input type="text"/>	Fax	<input type="text"/>
E-mail	<input type="text"/>		

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