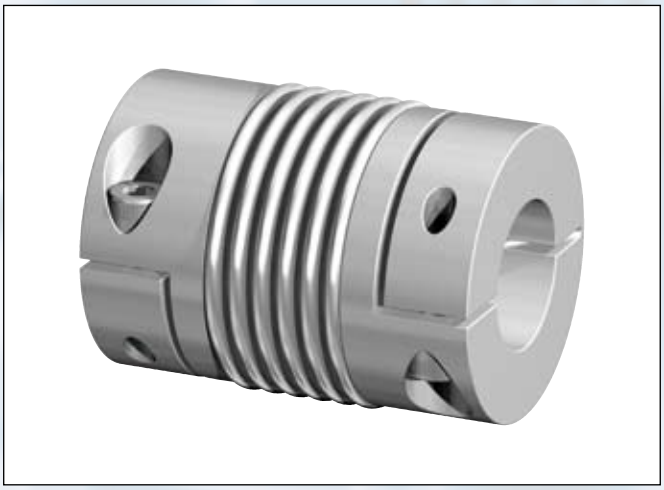
Series AKD

Dimensions

øA	=	Outer diameter total coupling
øD1 H7	=	Bore diameter
øD2 H7	=	Bore diameter
øH	=	Clearance diameter
C	=	Guided length shaft bore
G	=	Clamping screws
I	=	Radius to clamp screw
K	=	Radius to clamp screw
L ± 0.08	=	Total length
C_1	=	Bore tolerance for D_1
C_2	=	Bore tolerance for D_2



Dimensions

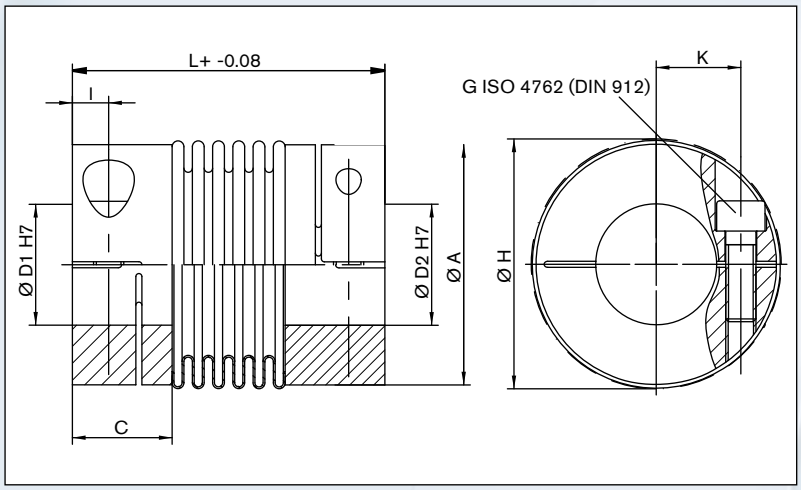
Size	L	Ø A	Ø H	Ø D1 H7	C1	Ø D2 H7	C2	C	K	I	G
	±0.079	Inch									
18	2.80	1.77	1.85	0.39-0.98		0.39-0.98		0.79	0.71	0.24	M5
30	2.87	2.17	2.20	0.39-0.98		0.39-0.98		0.98	0.79	0.31	M6
60	3.50	2.52	2.64	0.55-1.26		0.55-1.26		1.14	0.94	0.39	M8
80	4.06	3.15	3.31	0.79-1.57	-0 +0.001	0.79-1.57	-0 +0.001	1.34	1.10	0.47	M10
150	4.06	3.15	3.31	0.79-1.57		0.79-1.57		1.34	1.10	0.47	M10
200	4.45	3.54	3.66	0.98-1.73		0.98-1.73		1.50	1.22	0.51	M12
300	4.53	4.29	4.33	1.26-1.97		1.26-1.97		1.50	1.54	0.51	M12
500	4.80	4.69	4.80	1.57-2.36		1.57-2.36		1.61	1.69	0.59	M14

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

Example:

AKD

Series Size	Bore- Ø D1	Bore- Ø D2	Further details*
AKD 150	**1.125**	**1.375**	**XX**



Sectional view

Technical Data

T_{KN}	=	Nominal torque
C_t	=	Dynamic torsional stiffness
Cr	=	Radial spring stiffness
Ca	=	Axial spring stiffness
ΔKr	=	Max. approved misalignment radial
ΔKa	=	Max. approved misalignment axial
ΔKw	=	Max. approved misalignment angular
J	=	Moment of inertia
M_A	=	Tightening torque of screws
n_{max}	=	Max. rotational speed

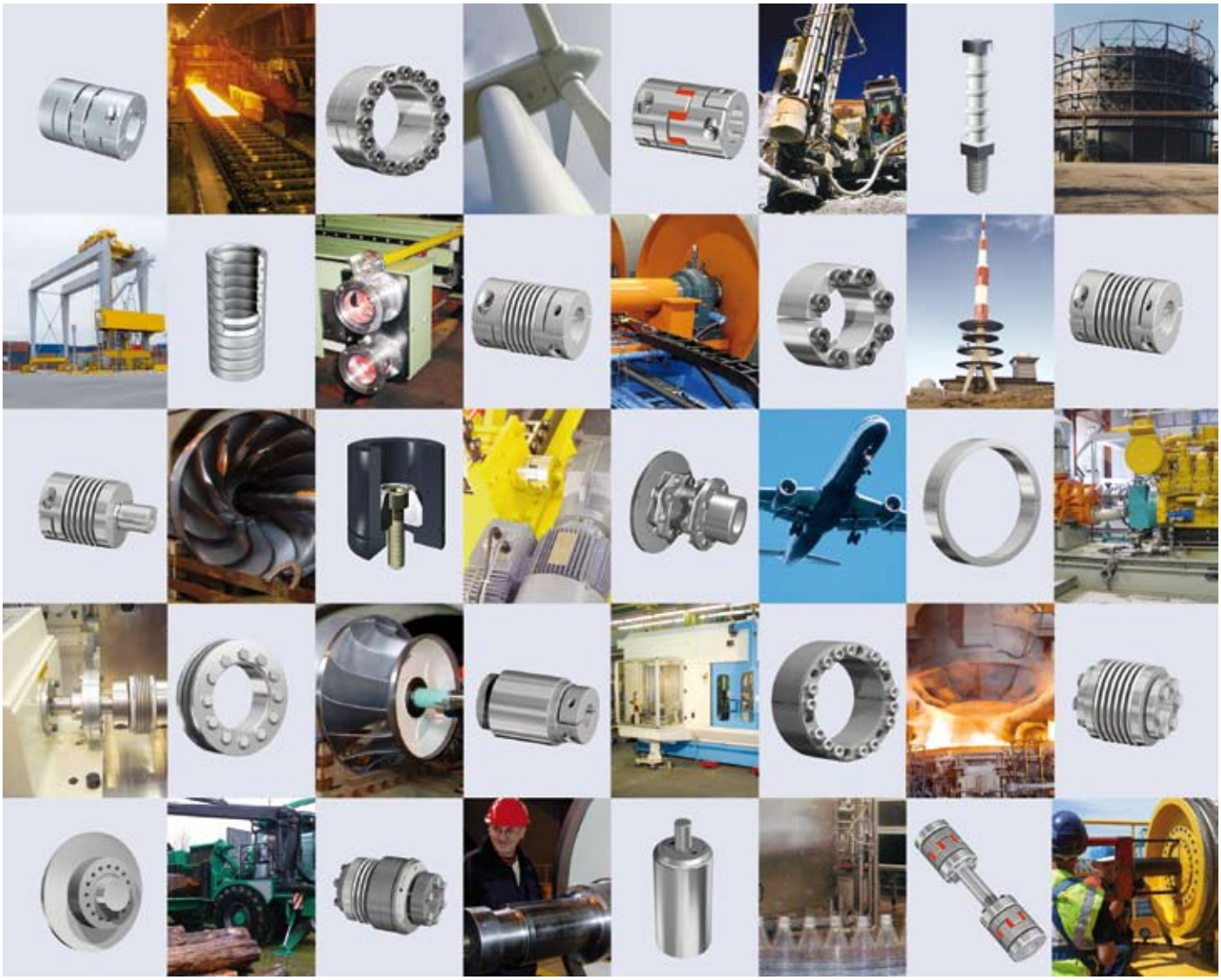
Technical Data

Size	T_{KN}	M_A	C_t	Cr	Ca	n_{max}	Δ Ka	Δ Kw	Δ Kr	Weight	J
	lb-in		10^3 lb-in/rad	10^3 lb-in/rad		rpm	± Inch	Degrees	Inch	lbs	lb-in²
18	159	53	53	752	354	12700	0.02	1.5	0.008	0.4	0.21
30	266	106	221	1947	266	10200	0.02	1.5	0.008	0.6	0.34
60	531	266	443	2921	487	8600	0.02	1.5	0.008	1.0	1.03
80	708	531	664	3541	487	6800	0.02	1.5	0.008	2.2	3.08
150	1328	752	885	5311	752	6800	0.02	1.5	0.008	2.2	3.08
200	1770	885	1062	3983	752	6300	0.02	1.5	0.008	2.6	5.13
300	2655	1062	2478	13277	1328	5900	0.02	1.5	0.008	3.1	10.9
500	4426	1682	2744	8852	752	4900	0.04	1.5	0.008	4.0	16.7

Fittings: Hubs: Standard fit H7
Keyways: Standard fit JS9

Materials: Hubs made of aluminium
Metal bellows made of stainless steel

Special designs: Coupling completely made of stainless steel (on request)
Keyway acc. to DIN 6885-1



Check out the respective catalogue for further technical details

All technical details and information is 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 at all times to carry out modifications in the interests of technical progress. Upon the issue of this catalogue all previous brochures and questionnaires on the products displayed are no longer valid.

RINGFEDER POWER TRANSMISSION USA CORPORATION

165 Carver Avenue, P.O. Box 691 Westwood, NJ 07675, USA · Toll Free: +1 888 746-4333 · Phone: +1 201 666 3320 · Fax: +1 201 664 6053

E-mail: sales.usa@ringfeder.com · E-mail: sales.usa@gerwah.com