

HARMONIC

Cone Drive Harmonic Solutions® offers the ultimate in gearing precision. Our capabilities include the ability to design and manufacture custom component sets & gearheads with input, output, size and ratio customization to suit your specific needs.

Precision. Motion Control. Technology.

HARMONIC SOLUTIONS

RATI	N	GS
-------------	---	----

		MODELS CBC CBG HBC HBG						N	MODEL RL	С					
	COMMON SIZES										C	OMMON SIZ	ES		
RATIC			11	14	17	20	25	32	_	14	17	20	25	32	
	Cont. Rated Torque*	[Nm]	3.4 ^x	7.6	21.5	32.4	49.3	98.7		3.0	8.5	12.9	19.6	39.2	
	Max Average Torque	[Nm]	5.1 ^x	8.8	33.8	42.9	70.3	138.6		5.0	13.0	20.7	29.9	62.8	
50	Start/Stop Torque**	[Nm]	7.8 ^x	24.4	43.3	72.4	124.4	274.5		5.0	13.0	20.7	29.9	62.8	50
	Peak Torque+	[Nm]	16.0 ^x	44.2	88.1	126.6	230.5	480.3		11.0	22.0	31.6	57.6	105.7	
	Cont. Rated Torque*	[Nm]	-	10.3	28.6	41.8	73.8	153.1		4.1	11.4	16.6	29.3	60.8	
0.0	Max Average Torque	[Nm]	-	13.9	34.4	61.4	112.1	211.7		6.7	17.2	26.6	44.7	97.3	00
80	Start/Stop Torque**	[Nm]	-	30.2	53.0	93.8	176.6	340.7		6.7	17.2	26.6	44.7	97.3	80
	Peak Torque+	[Nm]	-	58.3	107.0	156.4	306.7	725.9		14.6	26.7	39.1	76.7	159.7	
	Cont. Rated Torque*	[Nm]	4.8 ^x	10.2	29.8	50.5	82.5	169.8		4.1	11.8	20.1	32.7	67.4	
100	Max Average Torque	[Nm]	8.5 ^x	13.3	50.9	61.9	137.4	278.1		6.7	17.9	32.2	50.0	107.9	100
100	Start/Stop Torque**	[Nm]	10.7 ^x	32.0	64.1	100.0	185.5	403.5		6.7	17.9	32.2	50.0	107.9	100
	Peak Torque+	[Nm]	23.4 ^x	63.5	132.9	185.0	345.8	823.9		15.9	33.2	46.3	86.4	181.2	
	Cont. Rated Torque*	[Nm]	-	-	29.2	50.3	83.5	170.6		-	11.6	20.0	33.1	67.7	
120	Max Average Torque	[Nm]	-	-	50.9	61.9	136.0	274.7		-	17.6	32.1	50.6	108.4	120
120	Start/Stop Torque**	[Nm]	-	-	64.9	105.3	191.4	430.0		-	17.6	32.1	50.6	108.4	120
	Peak Torque+	[Nm]	-	-	117.2	184.1	346.2	823.3	_	-	29.3	46.0	86.6	181.1	

DIMENSIONS

MODELS			11	14	17	20	25	32
СВС	Minimum Length	[mm]	25.8	28.3	32.3	33.3	36.8	43.8
11	Outer Diameter	[mm]	40.0	50.0	60.0	70.0	85.0	110.0
	Mass	[kg]	0.1	0.1	0.2	0.3	0.5	0.9

CBG	Minimum Length	[mm]	37.3	40.7	44.7	45.0	51.5	61.5
[:]	Outer Diameter	[mm]	65.0	73.0	79.0	93.0	107.0	138.0
	Mass	[kg]	0.4	0.5	0.7	1.0	1.6	3.3

HBC	Minimum Length	[mm]	-	28.3	32.3	33.3	36.8	43.8
	Outer Diameter	[mm]	-	60.0	72.0	82.0	104.0	134.0
	Mass	[kg]	-	0.1	0.2	0.3	0.5	1.0

HBG	Minimum Length	[mm]	-	28.3	32.3	33.3	36.8	43.8
••	Outer Diameter	[mm]	-	70.0	80.0	90.0	110.0	142.0
	Mass	[kg]	-	0.4	0.6	0.8	1.4	3.0

RLC	Minimum Length	[mm]	-	15.0	15.7	12.5	16.5	20.5
	Outer Diameter	[mm]	-	50.0	60.0	70.0	85.0	110.0
1• •1	Mass	[kg]	-	0.1	0.2	0.3	0.5	1.0

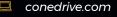
Cone Drive provides innovative, and cutting-edge solutions to your precision motion control and industrial technology challenges across the globe. We have a long history of designing, engineering, and testing custom products tailored to our customers' specific needs.

Our team of talented engineers will take your specifications and present a complete engineered solution, ready for integration into your system. That means no costly rework or design compromises associated with attempting to use "off the shelf" products. We handle all of the details for your unique design from start to finish, ensuring that the solution suits your exact requirements and specifications, regardless of the application or industry.



Cone Drive Operations, Inc. 240 East 12th Street Traverse City, MI 49684, USA





conetools.com

HARMONIC SOLUTIONS

RLC



Specifications

11-45, Custom COMMON SIZES -

Servo, Stepper, Air, Hydraulic, INPUT ADAPTERS -

Manual

50, 80, 100, 120, Custom **GEAR RATIOS** -

Solid, Hollow, or Custom OUTPUT OPTIONS ----

Features

- Motor adaptation
- · Ultra-low to zero backlash
- Standard & Custom Ratios
- · Cone Drive optimized tooth profiles
- · High efficiency/ high ratios
- · Back-driveable
- · Direct dimensional replacement against industry standards
- Made in the USA



CBG

Cone Drive Operations, Inc. 240 East 12th Street Traverse City, MI 49684, USA



+1.888.994.2663



orders@conedrive.com



conedrive.com

