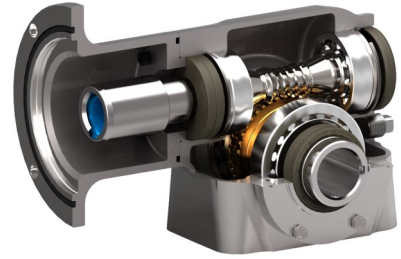


HOLLOW SHAFT MOTORIZED



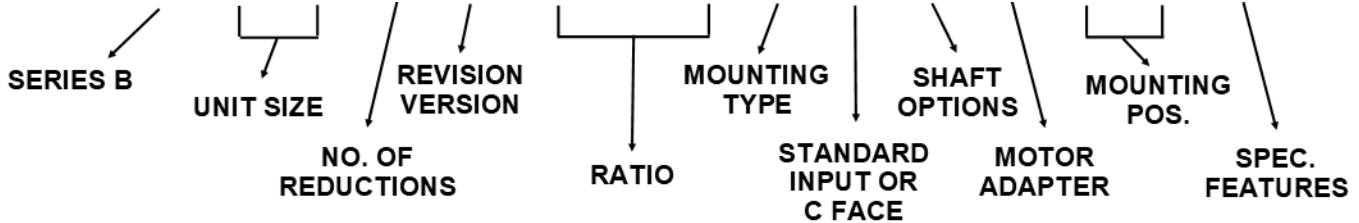
SERIES "F" STAINLESS

**FEATURES: Highly flexible and compact to meet low to medium power range up to 20HP and maximum output torque capacity of 7,500 in/lb.**

- **Conex™** helicoidal gear geometry (see below) provides high capacity and high efficiency
- Dimensionally interchangeable with other major manufacturers
- Series B catalogue contains handy interchange tables with Boston, Grove, Ohio, Baldor, Leeson, Dodge/Tigear and others: <https://www.conetools.com/Interchange>
- Nine industry standard centre distances and 10 ratios from 5:1 through 60:1 (single reduction) Available with NEMA flanged or standard (no flange) input shaft, hollow, single or double output shaft, horizontal, vertical high or low base, torque arm, output bracket
- Motor-ready units are close coupled with Cone Drive's "Engineered Motor Connection System" - eliminates fretting corrosion which allows motors to be easily removed for less down time and maintenance
- Lubricated for life with high quality synthetic lubricant
- Non-vented and sealed against the environment - offers protection against the ingress of contaminants in the field and eliminates leak path
- Units can be mounted in all positions
- Handy configurator tool at: [www.conetools.com](http://www.conetools.com)
- Double reduction reducers available
- Final assembly from in-stock kits in Canada
- Stainless Steel designs also available (factory order)

CONE DRIVE CENTRE DISTANCE CROSSOVER									
CASE SIZE	B02	B03	B04	B05	B06	B08	B09	B10	B11
CD (Inches)	1.33	1.54	1.75	1.97	2.38	2.62	3.00	3.25	3.54

CONE DRIVE MODEL NUMBER EXAMPLE														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B	0	5	1	1	1	5	.	W	A	N	T	A	-	-



\* See Configurator in Cone Drive Series B catalogue for full explanation of various options



# CONE DRIVE SERIES B RIGHT ANGLE REDUCERS



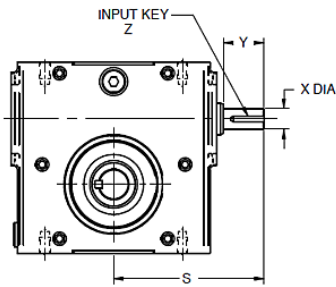
## SERIES B SINGLE REDUCTION SELECTION TABLES - 1750 RPM INPUT

RATIO:1	OUTPUT SPEED RPM	CAPACITY	SIZE OF UNIT								
			B02	B03	B04	B05	B06	B08	B09	B10	B11
5	350	Input Power, HP (mech)	1.76	2.51	3.45	4.62	7.47	9.62	13.6	16.6	20.6
		Input Power, HP (therm)	1.76	2.51	3.45	4.62	7.47	9.62	12.7	16.4	17.6
		Output Torque, lb-in (mech)	275	401	559	757	1240	1610	2280	2800	3500
		Efficiency, %	87	89	90	91	92	93	93	94	94
7.5	233	Input Power, HP (mech)	1.30	1.85	2.54	3.39	5.45	6.97	9.76	11.9	14.7
		Input Power, HP (therm)	1.30	1.85	2.54	3.39	5.45	6.97	9.76	11.9	14.2
		Output Torque, lb-in (mech)	296	433	603	818	1340	1720	2430	2970	3700
		Efficiency, %	84	86	88	89	91	92	92	93	93
10	175	Input Power, HP (mech)	1.05	1.47	1.84	2.63	4.17	4.98	6.99	8.93	11.0
		Input Power, HP (therm)	1.05	1.47	1.84	2.63	4.17	4.98	6.99	8.93	11.0
		Output Torque, lb-in (mech)	308	446	570	830	1340	1620	2290	2950	3660
		Efficiency, %	82	84	86	88	89	90	91	92	92
15	117	Input Power, HP (mech)	0.79	1.11	1.51	2.02	3.26	4.13	5.79	7.18	8.93
		Input Power, HP (therm)	0.79	1.11	1.51	2.02	3.26	4.13	4.79	7.18	8.93
		Output Torque, lb-in (mech)	325	479	674	919	1520	1950	2770	3460	4330
		Efficiency, %	76	80	82	84	87	88	89	89	90
20	88	Input Power, HP (mech)	0.62	0.88	1.20	1.60	2.59	3.34	4.70	5.74	7.15
		Input Power, HP (therm)	0.62	0.88	1.20	1.60	2.59	3.34	4.70	5.74	7.00
		Output Torque, lb-in (mech)	319	476	675	927	1550	2030	2900	3570	4480
		Efficiency, %	71	75	78	80	83	84	86	86	87
25	70	Input Power, HP (mech)	0.56	0.79	1.08	1.44	2.32	2.72	3.81	4.65	5.76
		Input Power, HP (therm)	0.56	0.79	1.08	1.44	2.32	2.72	3.81	4.65	5.71
		Output Torque, lb-in (mech)	340	510	726	1000	1680	1990	2840	3490	4370
		Efficiency, %	67	72	75	77	80	81	83	83	84
30	58	Input Power, HP (mech)	0.49	0.67	0.90	1.20	1.91	2.45	3.43	4.18	5.20
		Input Power, HP (therm)	0.49	0.67	0.90	1.20	1.91	2.45	3.43	4.18	5.20
		Output Torque, lb-in (mech)	332	494	700	961	1610	2100	3010	3700	4640
		Efficiency, %	63	68	72	74	78	79	81	82	83
40	44	Input Power, HP (mech)	0.38	0.51	0.68	0.89	1.41	1.79	2.49	3.03	3.75
		Input Power, HP (therm)	0.38	0.51	0.68	0.89	1.41	1.79	2.49	3.03	3.75
		Output Torque, lb-in (mech)	298	444	630	866	1450	1890	2710	3340	4180
		Efficiency, %	55	60	64	67	72	73	75	76	77
50	35	Input Power, HP (mech)	0.33	0.44	0.58	0.75	1.16	1.46	2.01	2.43	2.99
		Input Power, HP (therm)	0.33	0.44	0.58	0.75	1.16	1.46	2.01	2.43	2.99
		Output Torque, lb-in (mech)	291	434	610	832	1380	1790	2550	3140	3920
		Efficiency, %	49	54	58	62	66	68	70	72	73
60	29	Input Power, HP (mech)	0.29	0.38	0.50	0.64	0.98	1.24	1.70	2.05	2.52
		Input Power, HP (therm)	0.29	0.38	0.50	0.64	0.98	1.24	1.70	2.05	2.52
		Output Torque, lb-in (mech)	272	404	570	782	1300	1700	2430	2990	3740
		Efficiency, %	43	49	53	57	61	64	66	67	69

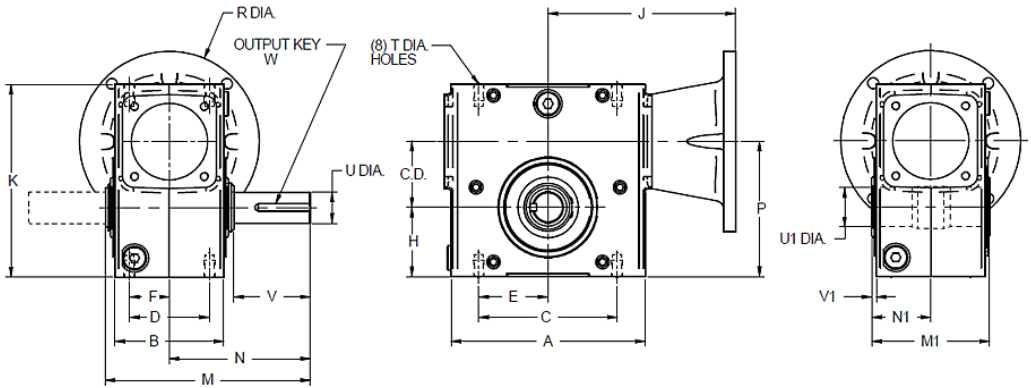
NOTE: Thermal rating for units driven by fan cooled motor  
Ratings assumes units are fitted with standard output shafts

## STANDARD UNIT Dimensions

REDUCER



MOTORIZED

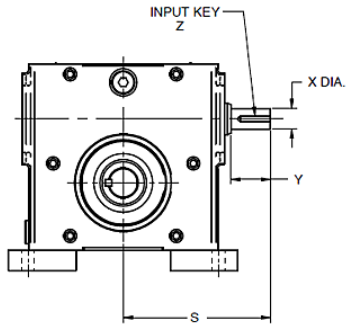


Case Size	C.D.	A	B	C	D	E	F	H	K	M	M1	N	N1	P	T Dia.
B02	1.33	4.33	2.76	3.25	2.00	1.63	1.00	1.72	4.66	6.10	3.85	4.00	1.93	3.05	M8 x 0.47
B03	1.54	5.23	3.94	4.19	2.75	2.10	1.38	1.91	5.35	6.61	4.25	4.31	2.12	3.45	M8 x 0.47
B04	1.75	5.98	3.94	4.19	2.75	2.10	1.38	2.06	5.75	6.65	4.29	4.31	2.15	3.81	M8 x 0.47
B05	1.97	6.00	3.94	5.00	2.88	2.50	1.44	2.28	6.38	7.00	4.21	4.69	2.11	4.25	M10 x 0.59
B06	2.38	7.00	3.94	5.00	2.88	2.50	1.44	2.50	6.93	7.41	4.25	5.09	2.13	4.88	M10 x 0.59
B08	2.62	7.50	5.12	6.38	3.38	3.19	1.69	2.94	7.99	8.58	5.43	5.63	2.72	5.57	M10 x 0.59
B09	3.00	9.00	5.12	7.00	4.00	3.50	2.00	3.25	8.88	9.70	5.43	6.75	2.72	6.25	M12 x 0.71
B10	3.25	9.05	5.67	7.50	4.00	3.75	2.00	3.50	9.38	10.28	5.98	7.06	2.99	6.75	M12 x 0.71
B11	3.54	9.50	5.12	7.50	4.00	3.75	2.00	3.39	9.84	11.34	6.65	7.75	3.33	6.93	M16 x 0.87

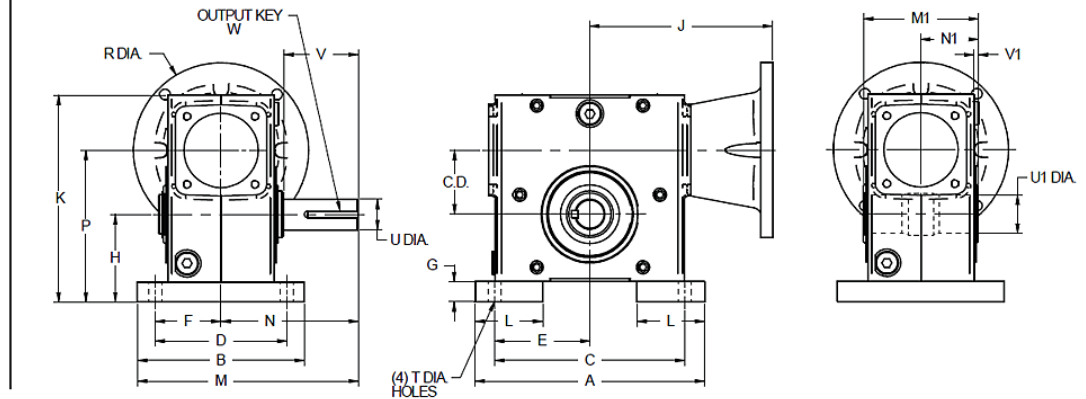
Case Size	C.D.	REDUCER					MOTORIZED						OUTPUT SHAFT				W-KEY		WT (LBS)
		X Dia.	Y	SQ.	LG	S	56C/143/145TC		182/184TC		213/215TC		U Dia.	U1 Dia.	V	V1	SQ.	LG	
B02	1.33	0.625	1.31	3/16	1.00	4.22	4.74	6.50	NA	NA	NA	NA	0.750	1.000	1.88	0.12	3/16	1.00	9
B03	1.54	0.750	1.48	3/16	1.13	4.87	5.92	6.50	6.16	9.00	NA	NA	0.750	1.000	1.99	0.12	3/16	1.13	14
B04	1.75	0.750	1.48	3/16	1.13	5.13	6.18	6.50	6.42	9.00	NA	NA	1.000	1.438	1.97	0.08	1/4	1.25	16
B05	1.97	0.750	1.48	3/16	1.13	5.20	6.34	6.50	6.58	9.00	NA	NA	1.125	1.438	2.39	0.08	1/4	1.50	18
B06	2.38	0.750	1.48	3/16	1.13	5.47	6.77	6.50	7.01	9.00	NA	NA	1.125	1.438	2.77	0.08	1/4	1.88	23
B08	2.62	1.188	2.69	1/4	2.25	7.23	7.24	6.50	7.59	9.00	7.59	9.00	1.500	1.938	2.68	0.08	3/8	1.97	40
B09	3.00	1.188	2.69	1/4	2.25	7.63	7.64	6.50	7.98	9.00	7.98	9.00	1.500	2.188	3.80	0.08	3/8	2.00	47
B10	3.25	1.188	2.69	1/4	2.25	7.64	7.72	6.50	8.06	9.00	8.06	9.00	1.500	2.188	3.83	0.08	3/8	2.25	50
B11	3.54	1.188	2.95	1/4	2.62	8.39	8.15	6.50	8.50	9.00	8.50	9.00	1.875	2.938	4.15	0.10	1/2	2.63	70

## UNIT WITH HORIZONTAL BASE (Over Driven) Dimensions

REDUCER



MOTORIZED



Case Size	C.D.	A	B	C	D	E	F	H	K	L	M	M1	N	N1	P	T Dia.
B02	1.33	5.38	4.19	4.380	3.310	2.190	1.655	2.25	5.19	1.50	6.09	3.85	4.00	1.93	3.58	11/32
B03	1.54	6.44	5.44	5.250	4.312	2.625	2.156	2.50	5.94	1.50	7.03	4.25	4.31	2.12	4.04	13/32
B04	1.75	7.00	5.69	5.750	4.500	2.875	2.250	2.75	6.44	2.00	7.16	4.29	4.31	2.15	4.50	13/32
B05	1.97	7.75	5.94	6.380	4.690	3.190	2.345	3.00	7.10	2.00	7.66	4.21	4.69	2.11	4.97	15/32
B06	2.38	8.50	6.19	7.063	4.875	3.532	2.438	3.25	7.68	2.50	8.19	4.25	5.09	2.13	5.63	15/32
B08	2.62	9.63	6.66	8.000	5.250	4.000	2.625	3.69	8.74	2.50	8.96	5.43	5.63	2.72	6.31	17/32
B09	3.00	10.00	7.50	8.440	5.880	4.220	2.940	4.00	9.63	2.00	10.50	5.43	6.75	2.72	7.00	17/32
B10	3.25	11.19	7.66	9.500	6.125	4.750	3.063	4.38	10.25	2.50	10.89	5.98	7.06	2.99	7.63	17/32
B11	3.54	11.08	7.71	9.500	6.120	4.750	3.060	5.00	11.45	2.50	11.61	6.65	7.75	3.33	8.54	9/16

Case Size	C.D.	REDUCER					MOTORIZED						OUTPUT SHAFT				W-KEY		WT (LBS)
		INPUT SHAFT		Z-KEY			56C/143/145TC		182/184TC		213/215TC		U Dia.	U1 Dia.	V	V1	SQ.	LG	
		X Dia.	Y	SQ.	LG	S	J	R Dia.	J	R Dia.	J	R Dia.							
B02	1.33	0.625	1.31	3/16	1.00	4.22	4.74	6.50	NA	NA	NA	NA	0.750	1.000	1.88	0.12	3/16	1.00	10
B03	1.54	0.750	1.48	3/16	1.13	4.87	5.92	6.50	6.16	9.00	NA	NA	0.750	1.000	1.99	0.12	3/16	1.13	15
B04	1.75	0.750	1.48	3/16	1.13	5.13	6.18	6.50	6.42	9.00	NA	NA	1.000	1.438	1.97	0.08	1/4	1.25	18
B05	1.97	0.750	1.48	3/16	1.13	5.20	6.34	6.50	6.58	9.00	NA	NA	1.125	1.438	2.39	0.08	1/4	1.50	20
B06	2.38	0.750	1.48	3/16	1.13	5.47	6.77	6.50	7.01	9.00	NA	NA	1.125	1.438	2.77	0.08	1/4	1.88	25
B08	2.62	1.188	2.69	1/4	2.25	7.23	7.24	6.50	7.59	9.00	7.59	9.00	1.500	1.938	2.68	0.08	3/8	1.97	43
B09	3.00	1.188	2.69	1/4	2.25	7.63	7.64	6.50	7.98	9.00	7.98	9.00	1.500	2.188	3.80	0.08	3/8	2.00	50
B10	3.25	1.188	2.69	1/4	2.25	7.64	7.72	6.50	8.06	9.00	8.06	9.00	1.500	2.188	3.83	0.08	3/8	2.25	54
B11	3.54	1.188	2.95	1/4	2.62	8.39	8.15	6.50	8.50	9.00	8.50	9.00	1.875	2.938	4.15	0.10	1/2	2.63	75