



A REGAL-BELOIT COMPANY



More *Than Just a Motor Company*



Bravo
ALUMINUM GEAR REDUCERS

LeCENTRIC

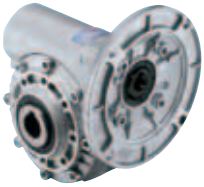


GEAR REDUCER INTERCHANGE GUIDE

Bulletin 8052



Your single source for replacement worm and inline reducers



Bravo® aluminum worm reducers are available in 30MM-85MM center distances in inch and metric configurations to replace many popular European brands, including Bonfiglioli, Motovario, SITI, STM, Varvel and more! Today designers and manufacturers of commercial and industrial machinery in North America can take advantage of the compact and lightweight design with options for NEMA or IEC inputs and inch or metric output shafts. **Bravo®** reducers weigh up to two-thirds less and are one-third smaller than comparable cast iron designs. With hollow output shafts as standard, extremely compact and cost effective drive solutions are easy to achieve.

Refer to pages 3 – 6 for the **Bravo®** worm gear interchange guide. To learn more about the full line of **Bravo®** worm gear products, refer to LEESON catalog 7050.



LeCENTRIC aluminum inline reducers are available in 4 sizes with a unique modular construction, which allows for the in-the-field addition of a specific base or output flange needed to make **LeCENTRIC** a bolt-in replacement for dozens of reducer brands. **LeCENTRIC** is the smart choice for bolt-in replacement of popular brands including SEW, Nord, David Brown, Dodge, Stober and more!

Refer to pages 7 – 9 for the **LeCENTRIC** inline gear interchange guide. To learn more about the full line of **LeCENTRIC** inline gear products, refer to LEESON catalog 7050.



IRONMAN® BY OHIO GEAR cast iron worm reducers are available from stock in 1.33"-6.00" center distances to replace nearly any major competitor in North America, including Baldor, Boston, Dodge, Browning, Ohio Gear and more! Because the **IRONMAN® BY OHIO GEAR** reducers continue to lead the industry with solid name recognition and premium features as standard, they are a perfect fit for your material and equipment moving requirements. Available in cast iron, Washguard® and highly polished stainless steel, the **IRONMAN® BY OHIO GEAR** worm reducers are ready to perform in nearly any environment.

Refer to pages 10 – 17 for the **IRONMAN® BY OHIO GEAR** worm gear interchange guide. To learn more about the full line of **IRONMAN® BY OHIO GEAR** worm gear products, refer to LEESON catalog 8050.



BRAVO® GEAR REDUCERS

SINGLE REDUCTION MODEL NUMBER SYSTEM

LEESON 500 Series Gear Reducer Model Number Nomenclature

All stock and custom 500 series reducers are identified by a model number. The model number appears on the nameplate and describes pertinent features of the reducer. An example follows, along with a listing of the various letters and positions used.

NOTE: All reducers also have a catalog number—for example W5180001. Reducers and renewal parts should be ordered by catalog number. If a stock reducer has been factory modified by the addition of an optional base for example, the modification number T518, for example, is stamped in the blank column of the nameplate. Accessories that are field installed will not be noted on the nameplate.

Catalog numbers 5000 (for example, W5185000) and higher are custom reducers manufactured for a specific application. The machinery or equipment manufacturer should be contacted for replacement reducers. Renewal parts can be ordered from LEESON by catalog number.



TYPICAL NAMEPLATE

LEESON		HYDRO-MEC	
MAX INPUT HP @ 1750 RPM	1.49	OUTPUT TORQUE (IN-LBS)	595
DESC.	HMQ52014H5616	RATIO	14:1
CATALOG NO.	W5200080	DATE CODE	A04
LEESON ELECTRIC		MOD	
GRANTON, WISCONSIN 53024			

Style

SOLID OUTPUT SHAFT

BMQ – Motorized, Quill Input

B – Non-Flanged

HOLLOW OUTPUT SHAFT

HMQ – Motorized, Quill Input

H – Non-Flanged

Refer to LEESON Catalog 7050 for all available styles.

ALUMINUM 500 SERIES

CENTER DISTANCES

Series	Center Distance (Inches)	Center Distance (mm)
512	1.18	30
518	1.77	45
520	1.97	50
525	2.48	63
534	3.35	85

RATIOS AVAILABLE

Series	7	10.6	15	19	30	39	61	80			
512											
518	7	10	14	21	28	37	46	60	70	102	
520	7	10	14	18	26	36	43	60	68	80	100
525	7	10	15	19	24	30	36	45	67	80	94
534	7	10	14	20	28	38	52	67	96		

Series

Ratio

Output Shaft Orientation

L – Left-hand Output Shaft*

R – Right-hand Output Shaft*

D – Double Output Shaft

H – Hollow Output Shaft

* Viewed from drive end of reducer.

Motor Flange

NEMA Input Flange Code

For NEMA Frame

56	56C
140	143-5TC
180	182-4TC

IEC Input Flange Code

For IEC Frame

56B14	56B14
56B5	56B5
63B14	63B14
63B5	63B5
71B14	71B14
71B5	71B5
80B14	80B14
80B5	80B5
90B14	90B14
90B5	90B5
100B14	100B14/112B14
100B5	100B5/112B5

Shaft

Dimension Code

OUTPUT SHAFT DIMENSION CODE ▲

Series	NEMA/Inch Options		IEC/Metric Options	
	Shaft Dia.	Shaft* Code	Shaft Dia.	Shaft Code
512	N/A	N/A	14mm	14
518	3/4"	12	18mm	18
520	1"	16	25mm	25
525	1-1/8"	18	25mm	25
534	1-1/2"	24	35mm	35

*Shaft Diameter in 1/16ths of an inch.

▲ Diameters and shaft codes of hollow bore styles are identical to those of solid shaft styles. Reducers with NEMA inputs will have inch-dimensioned output shafts and reducers with IEC inputs will have metric dimensioned output shafts as standard.

Sample Model Number

Solid Shaft

Motorized Quill Input, Single Reduction Reducer, 1.77" Center Distance, 14:1 Ratio, Left Hand Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

BMQ	518	14	L	56	12
Style	Series	Ratio	Mounting Assembly	Motor Input Flange	Shaft Code

Hollow Shaft

Motorized Quill Input, Single Reduction Reducer, 1.77" Center Distance, 14:1 Ratio, 3/4" Hollow Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

HMQ	518	14	H	56	12
Style	Series	Ratio	Mounting Assembly	Motor Input Flange	Shaft Code



LEESON 512 (30MM Center Distance) • Dimensions (mm)

Manufacturer	C.D.	D1	I	T	Foot Mount			Output Flange Mount			
					D2	F	J	Short		Long	
								HJ	AA	HJ	AA
LEESON BRAVO	30	39	46	14MM	55	65-66	50	68	50.5	87	55.5
Bonfiglioli VF ▼	30	41	46	14MM	55	66	50	68	50.5	---	---
Motovario ◆	30	40	40	14MM	40	44	65	68	54.5	---	---
Rossi	32	48	48	19MM	48	52	32	---	---	100	71
SITI / Lafert	30	42	42	14MM	42	55	52	---	---	---	---
STM	28	35	45	14MM	52	66	52	56	49	---	---
Unirid	30	37	45	14MM	37	55	50	---	---	80	65
Varvel ◆	28	34	40	14MM	52	66	52	68	50.5	56	49

LEESON 518 (45MM Center Distance) • Dimensions (mm)

Manufacturer	C.D.	D1	I	T		Foot Mount			Output Flange Mount			
				Inch (in)	Metric (mm)	D2	F	J	Short		Long	
									HJ	AA	HJ	AA
LEESON BRAVO	45	49	54.9	0.750	18MM	72	80-81	50-52	87	60.5	87	90.5
Bonfiglioli VF ▼	44.6	51	54	---	18MM	72	81	52	87	60	87	90
Motovario ◆	40	50	50	0.750	18MM	50	43	75	87	67	87	97
Nord Unibloc	40	50	50	1.000	---	50	60	70	75-101	75	---	---
Rossi	40	56	56	---	24MM	56	62	70	---	---	115	80
SITI / Lafert ●	40	59	59	---	19MM	71	84	70	87	60	115	82
STM ●	40	59	63	---	19(18)MM	71	84	70	87	69	115	82
Unirid	40	45	60	---	19MM	45	65	74	---	---	100	80
Varvel ●	40	50	60	---	19(18)MM	71	84	70	87	69	115	82

LEESON 520 (50MM Center Distance) • Dimensions (mm)

Manufacturer	C.D.	D1	I	T		Foot Mount			Output Flange Mount			
				Inch (in)	Metric (mm)	D2	F	J	Short		Long	
									HJ	AA	HJ	AA
LEESON BRAVO	50	54.5	65	1.000	25MM	82	98-100	63-65	90	85	90	114.5
Bonfiglioli VF ▼	49.5	56	63	---	25MM	82	98.5	63	90	85	90	115
Motovario ◆	50	60	60	1.000	25MM	60	49	85	90	90	90	120
Nord Unibloc ●	50	60	60	1.125	---	60	70	80	85-114	85	---	---
Rossi	50	67	67	---	28MM	67	75	86	---	---	130	80
SITI / Lafert ●	50	65	69	---	24MM	85	96	85	90	85	130	92
STM ●	50	69	72	---	24(25)MM	85	99	85	90	93	130	91.5
Unirid	50	55	72.5	---	24MM	55	80	95	---	---	115	100
Varvel ●	50	60	70	---	24(25)MM	85	99	85	90	93	130	91.5

▼ Cataloged reducers are direct interchange to ALL styles of LEESON Bravo reducers based on these dimensions.

Review LEESON catalog 7050 for complete dimensional review.

◆ Hollow bore and output flange mount are direct interchange only. Other styles may require minor modification to equipment

Review LEESON catalog 7050 for complete dimensional review.

● Output flange mount is direct interchange only. Verify output bore. Other styles may require minor modification to equipment

Review LEESON catalog 7050 for complete dimensional review.

NOTE: Dimensions in red indicate accessory interchange options available from LEESON. Contact LEESON for price and availability.

1 in = 25.4 mm

BRAVO® GEAR REDUCERS DIMENSIONAL INTERCHANGE

LEESON 525 (63MM Center Distance) • Dimensions (mm)

Manufacturer	C.D.	D1	I	T		Foot Mount			Output Flange Mount			
				Inch (in)	Metric (mm)	D2	F	J	Short	AA	Long	AA
LEESON BRAVO	63	70	79	1.125	25MM	100	110-111	95	HJ	AA	HJ	AA
Bonfiglioli VF ▼	63	73	80	---	25MM	100	111	95	150	86	150	116
Motovario ◆	63	72	72	1.125	25MM	72	67	95	150	82	150	112
Nord Unibloc ●	63	72	72	1.438	---	72	85	100	150	94	---	---
Rossi	63	80	80	---	32MM	80	90	102	---	---	165	100
SITI / Lafert ▼	60	100	94	---	25MM	100	111	95	165	102	150	116
STM ▼	63	81	81	---	25MM	100	111	95	150	85	150	116
Unirid	63	67	82.5	---	28MM	67	95	105	---	---	130	120
Varvel ▼	60	70	78	---	25MM	100	111	95	150	86	150	116

LEESON 534 (85MM Center Distance) • Dimensions (mm)

Manufacturer	C.D.	D1	I	T		Foot Mount			Output Flange Mount			
				Inch (in)	Metric (mm)	D2	F	J	Short	AA	Long	AA
LEESON BRAVO	85	94.5	98	1.500	35MM	142	140	140	176	108	176	148.5
Bonfiglioli VF ◆	86	106	110	---	35MM	142	146	140	176	110.5	176	151
Motovario ◆	90	103	103	1.375	35MM	103	74	130	175	111	---	---
Rossi	80	100	100	---	38MM	100	106	132	---	---	215	112
SITI / Lafert	80	103	105	---	35MM	142	147	140	165	120	180	150
STM ●	85	105	111	---	32(35)MM	135	140	140	165	100	176	120
Unirid	80	85	105	---	38MM	85	120	140	---	---	165	150
Varvel ●	85	105	111	---	32(35)MM	135	140	140	165	100	176	119.5

▼ Cataloged reducers are direct interchange to ALL styles of LEESON Bravo reducers based on these dimensions.

Review LEESON catalog 7050 for complete dimensional review.

◆ Hollow bore and output flange mount are direct interchange only. Other styles may require minor modification to equipment

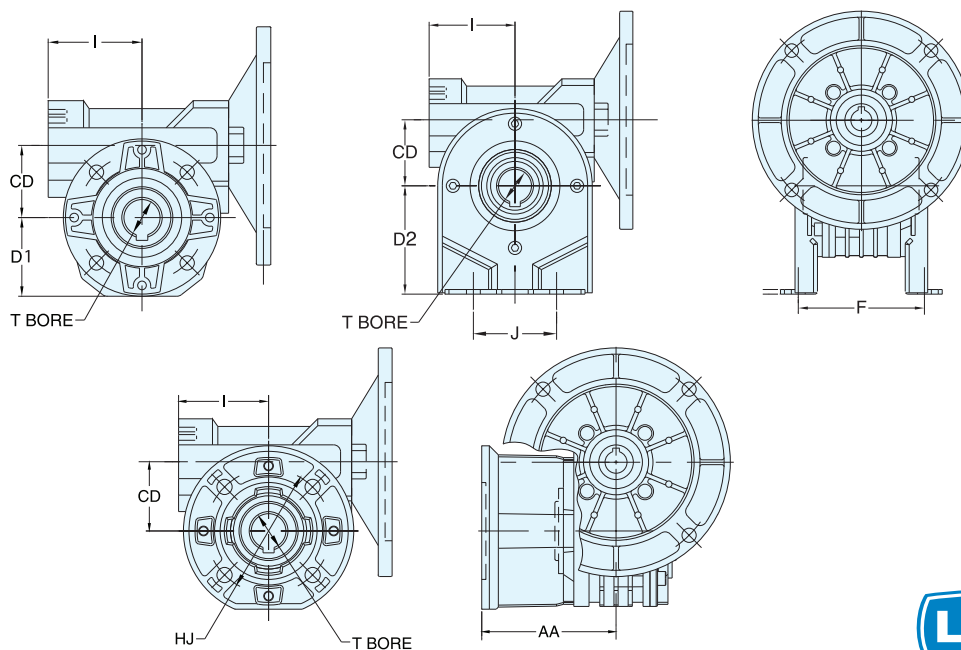
Review LEESON catalog 7050 for complete dimensional review.

● Output flange mount is direct interchange only. Verify output bore. Other styles may require minor modification to equipment

Review LEESON catalog 7050 for complete dimensional review.

NOTE: Dimensions in red indicate accessory interchange options available from LEESON. Contact LEESON for price and availability.

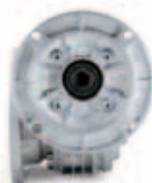
1 in = 25.4 mm




**HMQ
SHOWN**
LEESON STYLE HMQ • Hollow Output Shaft / Quill Input Shaft

Center Distance (MM)	30MM	45MM	50MM	63MM	85MM
LEESON BRAVO	HMQ512-..	HMQ518-..	HMQ520-..	HMQ525-..	HMQ534-..
Bonfiglioli VF	VF30P..P	VF44P..P	VF49P..P	VF63P..P	VF86P..P
Motovario	NMRV030..	NMRV045..	NMRV050..	NMRV063..	NMRV090..
Nord Unibloc	---	SK 1SI 40..	SK 1SI 50..	SK 1SI 63..	---
Rossi	RV32U03A..	RV40U03A..	RV50U03A..	RV63U03A..	RV80U03A..
SITI / Lafert	I(PAM)30FP..	I(PAM)40FP..	I(PAM)50FP..	I(PAM)60FP..	I(PAM)80FP..
STM	RMI28P..	RMI40P..	RMI50P..	RMI63P..	RMI85P..
Unirid	PF30..	PF40..	PF50..	PF63..	PF80..
Varvel	FRS28/PC..	FRS40/PC..	FRS50/PC..	FRS60/PC..	FRS85/PC..

Note: ".." indicates ratio position. European companies may specify ratio as "I" or as 1/ratio (ex: 1/40 = 40:1)


**FHMQ
SHOWN**
LEESON STYLE FHMQ • Hollow Output Shaft / Quill Input Shaft • Short Flanged Output

Center Distance (MM)	30MM	45MM	50MM	63MM	85MM
LEESON BRAVO	FHMQ512-..	FHMQ518-..	FHMQ520-..	FHMQ525-..	FHMQ534-..
Bonfiglioli VF	VF30F..P	VF44F..P	VF49F..P	VF63FC..P	VF86FC..P
Motovario	NMRV030..F	NMRV045..F	NMRV050..F	NMRV063..F	NMRV090..F
Nord Unibloc	---	SK 1SI 40..F1/II	SK 1SI 50..F1/II	SK 1SI 63..F1/II	---
SITI / Lafert	---	I(PAM)40FR..	I(PAM)50FR..	I(PAM)60F..	I(PAM)80F..
STM	RMI28FL..	RMI40F1..	RMI50F1..	RMI63F1..	RMI85FL..
Varvel	FRS28/FA..	FRS40/FA..	FRS50/FA..	FRS60/FB..	FRS85/FL..

Note: ".." indicates ratio position. European companies may specify ratio as "I" or as 1/ratio (ex: 1/40 = 40:1)


**FLHMQ
SHOWN**
LEESON STYLE FLHMQ • Hollow Output Shaft / Quill Input Shaft • Long Flanged Output

Center Distance (MM)	30MM	45MM	50MM	63MM	85MM
LEESON BRAVO	FLHMQ512-..	FLHMQ518-..	FLHMQ520-..	FLHMQ525-..	FLHMQ534-..
Bonfiglioli VF	---	VF44FA..P	VF49FA..P	VF63F..P	VF86F..P
Motovario	---	NMRV045..FL	NMRV050..FL	NMRV063..FL	---
Rossi	RV32U03A..FLG B5	RV40U03A..FLG B5	RV50U03A..FLG B5	RV63U03A..FLG B5	RV80U03A..FLG B5
SITI / Lafert	---	I(PAM)40F..	I(PAM)50F..	I(PAM)60FR..	I(PAM)80FR..
STM	---	RMI40FL..	RMI50FL..	RMI63FL..	RMI85F2..
Unirid	PF30/F..	PF40/F..	PF50/F..	PF63/F..	PF80/F..
Varvel	FRS28/FL..	FRS40/FL..	FRS50/FL..	FRS60/FL..	FRS85/FB..

Note: ".." indicates ratio position. European companies may specify ratio as "I" or as 1/ratio (ex: 1/40 = 40:1)


**THMQ
SHOWN**
LEESON STYLE THMQ • Hollow Output Shaft / Quill Input Shaft • Foot Mount

Center Distance (MM)	30MM	45MM	50MM	63MM	85MM
LEESON BRAVO	THMQ512-..	THMQ518-..	THMQ520-..	THMQ525-..	THMQ534-..
Bonfiglioli VF	VF30A..P	VF44A..P	VF49A..P	VF63A..P	VF86A..P
Motovario	NMRV030..	NMRV045..	NMRV050..	NMRV063..	NMRV090..
Nord Unibloc	---	SK 1SI 40..	SK 1SI 50..	SK 1SI 63..	---
Rossi	RV32U03A..	RV40U03A..	RV50U03A..	RV63U03A..	RV80U03A..
SITI / Lafert	I(PAM)30A..	I(PAM)40A..	I(PAM)50A..	I(PAM)60A..	I(PAM)80A..
STM	RMI28S..	RMI40S..	RMI50S..	RMI63S..	RMI85S..
Unirid	PF30..	PF40..	PF50..	PF63..	PF80..
Varvel	FRS28/S..	FRS40/S..	FRS50/S..	FRS60/S..	FRS85/S..

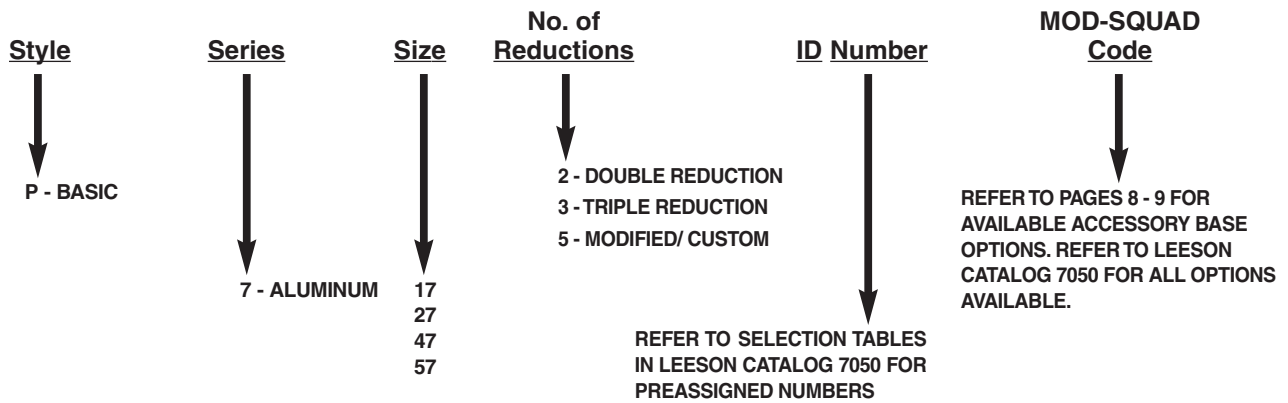
Note: ".." indicates ratio position. European companies may specify ratio as "I" or as 1/ratio (ex: 1/40 = 40:1)

LEESON 700 Series Gear Reducer Catalog Number Nomenclature

All stock and custom 700 series reducers are identified by a catalog number – for example P7272001.B1. The catalog number appears on the nameplate and describes pertinent features of the reducer. An example follows, along with a listing of the various letters and positions used.

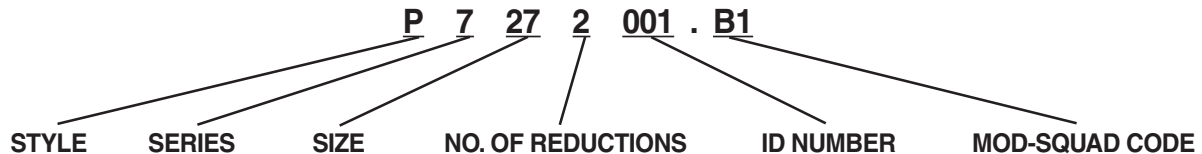
Reducers and renewal parts should be ordered using the catalog number. If a base or flange is factory assembled to a reducer, the assigned suffix code (i.e. B1) will be added to the catalog number. Accessories that are field installed will not be noted on the reducer nameplate. Reducers furnished without a base or flange will have a suffix code of "00."

Catalog numbers 5000 and higher (for example P7475001.B1) are custom reducers manufactured for a specific application. The machinery or equipment manufacturer should be contacted for replacement reducers. Renewal parts can be ordered from LEESON by catalog number.



Sample Catalog Number

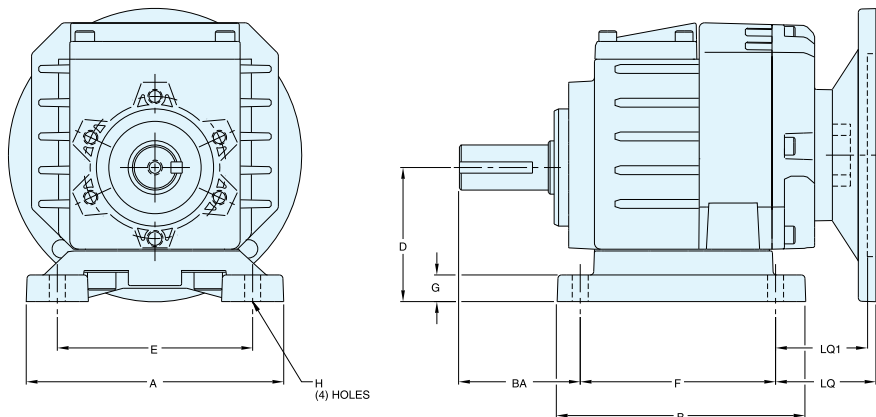
Standard aluminum construction, double reduction, size 27, with SEW interchange base.



SPECIFY REDUCER MOUNTING POSITION AT TIME OF ORDER. REFER TO PAGE 60 OF LEESON CATALOG 7050 FOR POSSIBLE MOUNTING POSITIONS. LeCENTRIC REDUCERS WILL BE FACTORY FILLED WITH OIL FOR HORIZONTAL FLOOR MOUNT, (POSITION H3) UNLESS OTHERWISE SPECIFIED.

Typical Nameplate

LEESON			
MAX INPUT HP @ 1750 RPM	5.18	OUTPUT TORQUE (IN-LBS)	623
CATALOG NO.	P7272001.B1	RATIO	3.48 :1
MOUNTING POSITION	H3	DATE CODE	BO4
LEESON ELECTRIC GRAFTON, WISCONSIN 53024			

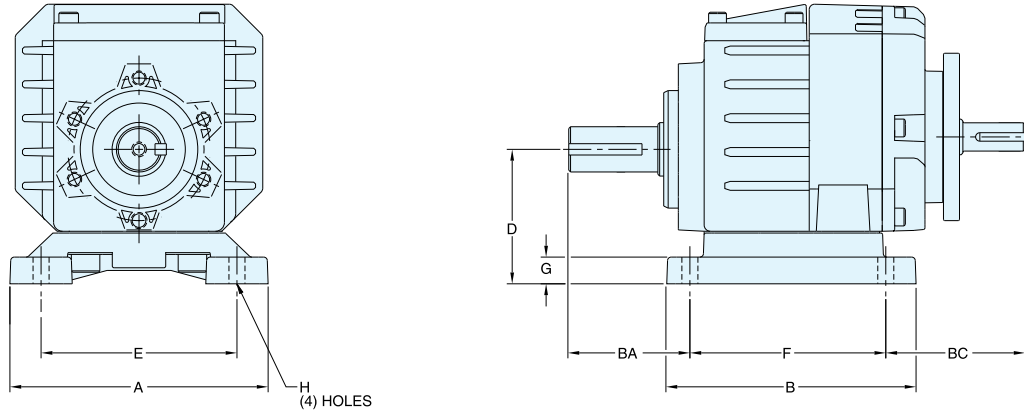


717 Series • Interchange Base Selections • Mod-Squad Codes

Interchange With:	Mod-Squad Suffix Code (XX)	Critical Interchange Dimensions (Inches)										LQ - 56C/140TC	
		A	B	BA	BC		D	E	F	G	H	2-Stage	3-Stage
					2-Stage	3-Stage							
No Base	00												
SEW R17	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	4.33	0.59	0.35	2.23	2.99
SEW R32	B1	5.71	5.51	2.28	4.25	4.43	2.95	4.33	3.35	0.59	0.35	3.20	3.97
Bonfiglioli C10	B2**	5.71	5.51	2.28	4.17	4.35	3.35	4.33	3.43	0.99	0.35	3.12	3.89
Brook Hansen SFN03B	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.35	0.59	0.35	2.23	2.99
Browning CbN20	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.35	0.59	0.35	2.23	2.99
David Brown M03	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.35	0.59	0.35	2.23	2.99
Falk 03UC	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.35	0.59	0.35	2.23	2.99
Grove 2032/3	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.35	0.59	0.35	2.23	2.99
Hansen 0	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.35	0.59	0.35	2.23	2.99
Lenze 4	B3	5.67	4.41	2.01	4.88	5.06	3.15	4.13	2.99	0.40	0.35	3.83	4.60
Leroy Somer NXT N20	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.35	0.59	0.35	2.23	2.99
Motovario 032/3	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	3.15	0.59	0.35	2.23	2.99
Nord SK02	B4	5.67	4.41	1.97	5.55	5.73	3.39	4.33	2.36	0.64	0.35	4.50	5.27
Nord SK172	B1	5.71	5.51	2.28	3.28	3.45	2.95	4.33	4.33	0.59	0.35	2.23	2.99
Stober C002/3	B5	5.67	4.41	2.17	5.27	5.45	3.23	4.33	2.44	0.48	0.28	4.22	4.99
Sumitomo 4085	B6	5.67	4.41	1.85	5.67	5.85	3.15	4.72	2.36	0.40	0.35	4.62	5.39

727 Series • Interchange Base Selections • Mod-Squad Codes

Interchange With:	Mod-Squad Suffix Code (XX)	Critical Interchange Dimensions (Inches)										LQ - 56C/140TC	
		A	B	BA	BC		D	E	F	G	H	2-Stage	3-Stage
					2-Stage	3-Stage							
No Base	00												
SEW R27	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
SEW R37	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
SEW R40	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
Bonfiglioli C20	B2	6.10	5.35	2.68	3.35	3.53	3.94	5.12	4.23	0.67	0.43	2.32	3.09
Brook Hansen SFN15B	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
Browning CbN21	B3	5.31	6.12	2.63	1.13	1.31	3.15	4.33	6.50	0.62	0.35	0.10	0.87
David Brown M04	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
Dodge Quantis HB38	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
Falk 04UC	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
Flender/ Motox D30	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
Grove 2042/3	B1	5.71	6.02	2.95	2.20	2.38	3.54	4.33	5.12	0.79	0.35	1.15	2.99
Hansen 1	B3	5.31	6.12	2.63	1.13	1.31	3.15	4.33	6.50	0.62	0.35	0.10	0.87
Lenze 5	B4	7.09	5.47	2.63	4.09	4.27	3.94	4.92	3.54	0.66	0.43	3.06	3.83
Leroy Somer NXT N21	B3	5.31	6.12	2.63	1.13	1.31	3.15	4.33	6.50	0.62	0.35	0.10	0.87
Motovario 042/3	B5	5.71	5.08	2.95	3.96	4.14	3.15	4.33	3.35	0.59	0.35	2.93	3.70
Nord SK272	B1	5.71	5.98	2.95	2.20	2.38	3.54	4.33	5.12	0.71	0.35	1.15	2.99
Stober C102/3	B7	7.09	5.47	2.64	4.86	5.04	4.02	5.91	2.76	0.74	0.35	3.83	4.60
Sumitomo 4097	B8	7.09	5.47	2.36	4.36	4.54	3.94	5.90	3.54	0.66	0.43	3.33	4.10



747 Series • Interchange Base Selections • Mod-Squad Codes

Interchange With:	Mod-Squad Suffix Code (XX)	Critical Interchange Dimensions (Inches)												
		A	B	BA	BC		D	E	F	G	H	LQ - 56C/140TC		LQ1 180TC
					2-Stage	3-Stage						2-Stage	3-Stage	
No Base	00													
SEW R47	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
SEW R60	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Bonfiglioli C30	B2	7.48	6.14	3.07	4.83	4.75	4.33	6.30	5.10	0.79	0.43	3.32	3.66	3.85
Brook Hansen SFN25B	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Browning CbN22	B3	7.52	8.58	3.01	2.43	2.35	3.94	5.31	7.56	0.75	0.55	0.92	1.26	1.45
David Brown M06	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Dodge Quantis HB48	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Falk 06UC	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Flender/ Motox D40	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Grove 2062	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Hansen 2	B3	7.52	8.58	3.01	2.43	2.35	3.94	5.31	7.56	0.75	0.55	0.92	1.26	1.45
Lenze 6	B4	7.87	6.59	3.25	5.58	5.50	4.92	6.30	4.17	0.92	0.53	4.07	4.41	4.60
Leroy Somer NXT N22	B3	7.52	8.58	3.01	2.43	2.35	3.94	5.31	7.56	0.75	0.55	0.92	1.26	1.45
Motovario 052	B5	7.48	5.51	3.54	5.52	5.44	4.33	5.31	3.94	0.71	0.43	4.01	4.35	4.54
Nord SK22	B6	7.87	6.59	3.30	6.55	6.47	4.92	6.30	3.15	0.92	0.43	5.04	5.38	5.57
Nord SK472	B1	6.69	7.76	3.54	2.96	2.88	4.53	5.31	6.50	0.94	0.55	1.45	1.83	1.98
Stober C202	B7	7.87	6.59	3.11	6.54	6.46	4.53	6.69	3.35	0.53	0.43	5.03	5.37	5.56

757 Series • Interchange Base Selections • Mod-Squad Codes

Interchange With:	Mod-Squad Suffix Code (XX)	Critical Interchange Dimensions (Inches)												
		A	B	BA	BC		D	E	F	G	H	LQ - 56C/140TC		LQ1 180TC
					2-Stage	3-Stage						2-Stage	3-Stage	
No Base	00													
SEW R57	B1**	6.69	7.76	3.94	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
SEW R60	B1	6.69	7.76	3.54	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Bonfiglioli C30	B2	7.48	6.14	3.07	5.90	5.97	4.33	6.30	5.10	0.79	0.43	4.43	4.78	4.96
Bonfiglioli C40	B9	8.50	7.30	3.54	4.64	4.71	5.12	7.09	5.89	0.71	0.55	3.17	3.52	3.70
Brook Hansen SFN25B	B1	6.69	7.76	3.54	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Browning CbN22	B3	7.52	8.58	3.01	3.50	3.57	3.94	5.31	7.56	0.75	0.55	2.03	2.38	2.56
David Brown M06	B1	6.69	7.76	3.54	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Dodge Quantis HB48	B1	6.69	7.76	3.54	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Falk 06UC	B1	6.69	7.76	3.54	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Flender/ Motox D40	B1	6.69	7.76	3.54	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Grove 2062	B1	6.69	7.76	3.54	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Hansen 2	B3	7.52	8.58	3.01	3.50	3.57	3.94	5.31	7.56	0.75	0.55	2.03	2.38	2.56
Lenze 6	B4	7.87	6.59	3.25	6.65	6.72	4.92	6.30	4.17	0.92	0.53	5.18	5.53	5.71
Leroy Somer NXT N22	B3	7.52	8.58	3.01	3.50	3.57	3.94	5.31	7.56	0.75	0.55	2.03	2.38	2.56
Motovario 052	B5	7.48	5.51	3.54	6.59	6.66	4.33	5.31	3.94	0.71	0.43	5.12	5.47	5.65
Nord SK22	B6	7.97	6.59	3.30	7.62	7.69	4.92	6.30	3.15	0.92	0.43	6.15	6.50	6.68
Nord SK572	B1**	6.69	7.76	3.94	3.63	3.56	4.53	5.31	6.50	0.94	0.55	2.16	2.51	2.69
Stober C202	B7	7.87	6.59	3.11	7.61	7.68	4.53	6.69	3.35	0.53	0.43	6.14	6.49	6.67

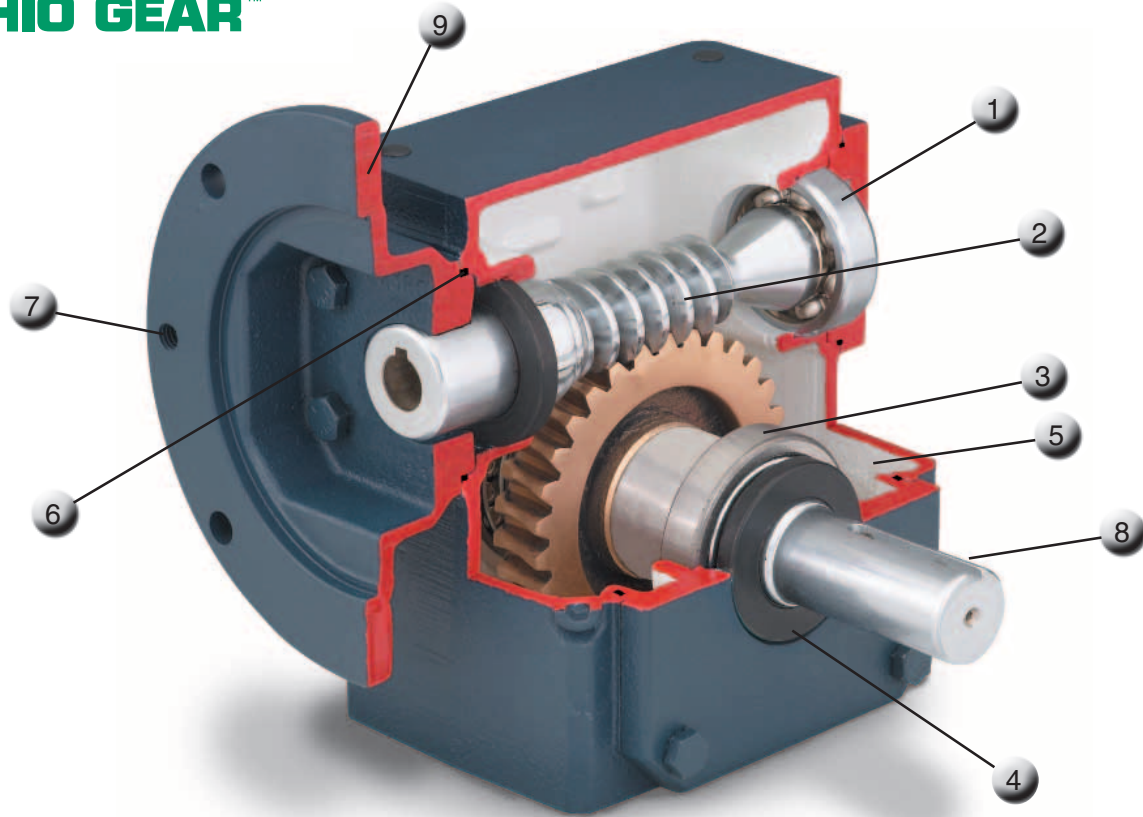
** Requires optional 1.375" diameter shaft to obtain stated BA dimension. Contact LEESON for availability.



IRONMAN® BY OHIO GEAR REDUCERS

PRODUCT FEATURE INTERCHANGE

OHIO GEAR™



FEATURE COMPARISON

Ref. No.	Product Feature	LEESON 800 series	LEESON 600 series (obsolete)	Baldor	Boston	Dodge-Tigear	Electra	Falk-Omnibox	Grove (200 Series)	Hub City	Morse Cobra	Morse Raider	Ohio Gear	Winsmith
1	Positively-retained input bearings.	●	●					●	●	●				
2	Single piece ground input worm	●	●	●	●			●	●	●				
3	Tapered Roller Bearings	●	●	●	●	●	●	●	●	●	●	●	●	●
4	Viton Seals	●	●		●			●	●					
5	Synthetic Oil	●	●	●		●								
6	O-Rings on Input and Output Covers	●	●	●	●			●	●	●				●
7	Push Off Holes	●												
8	Output Keys Provided	●	●					●						
9	Seal Guard	●						●	●	●				

This feature comparison was produced with a focus on the standard features of the most popular worm gear reducer sizes in the industry at the time of printing. Information is based on competitive catalog information and is tabulated based on interpretation of those of catalogs. There may be exceptions to the features presented. Contact LEESON for more detailed information.

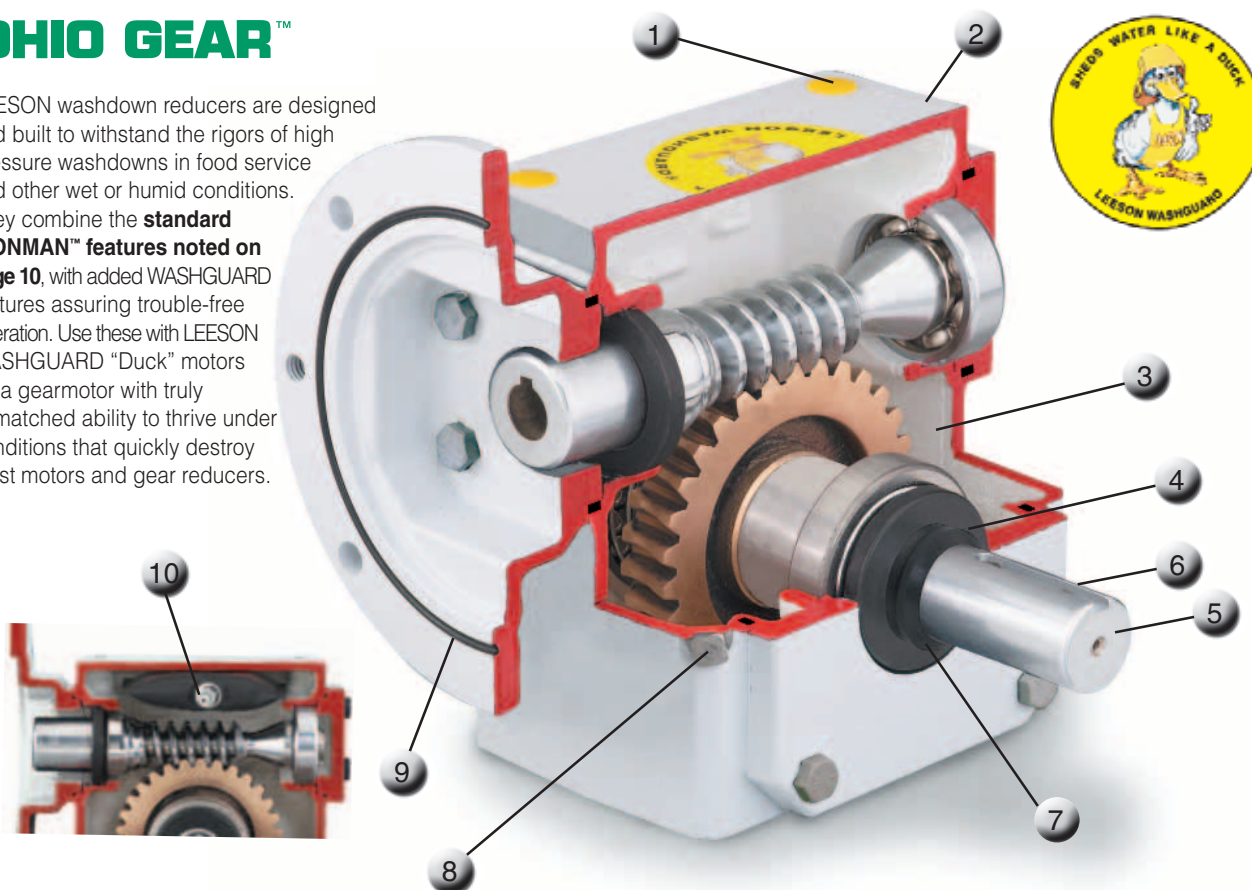


IRONMAN® WASHGUARD GEAR REDUCERS

PRODUCT FEATURE INTERCHANGE

OHIO GEAR™

LEESON washdown reducers are designed and built to withstand the rigors of high pressure washdowns in food service and other wet or humid conditions. They combine the **standard IRONMAN™ features noted on page 10**, with added WASHGUARD features assuring trouble-free operation. Use these with LEESON WASHGUARD "Duck" motors for a gearmotor with truly unmatched ability to thrive under conditions that quickly destroy most motors and gear reducers.



FEATURE COMPARISON

Ref. No.	Product Feature	LEESON 800 series	LEESON 600 series (obsolete)	Baldor	Boston BISSC	Dodge-Tigear EZ-Kleen	Electra	Falk-Omnibox	Grove BISSC	Hub City	Morse Cobra	Morse Raider	Ohio Gear	Winsmith Maximizer Plus
1	Mounting Hole Plugs	●	●			●								●
2	White, Food Grade Epoxy Finish	●	●	●	●	●		●	●	●		●		●
3	Food Grade Synthetic Oil	●	●	●	●	●					●			
4	Double Lipped Viton Seals	●	●	●				●	●					
5	Stainless Steel Solid Output Shaft	●	●	●		●				●				●
6	Stainless Steel Output Key Provided	●												
7	V-ring on Output	●	●	●										●
8	Stainless Steel Hardware	●	●	●	●	●			●	●				●
9	O-ring on Input Flange	●	●											
10	Ventless Design	●	●	●		●					●			

This feature comparison was produced with a focus on the standard washdown features of the most popular worm gear reducer sizes in the industry at the time of printing. Information is based on competitive catalog information and is tabulated based on interpretation of those of catalogs. There may be exceptions to the features presented. Contact LEESON for more detailed information.



IRONMAN® BY OHIO GEAR REDUCERS

INTERCHANGE BY STYLE & SIZE

OHIO GEAR™

LEESON Style BMQ . Solid Output Shaft-NEMA C Flange Reducer (Quill Input)

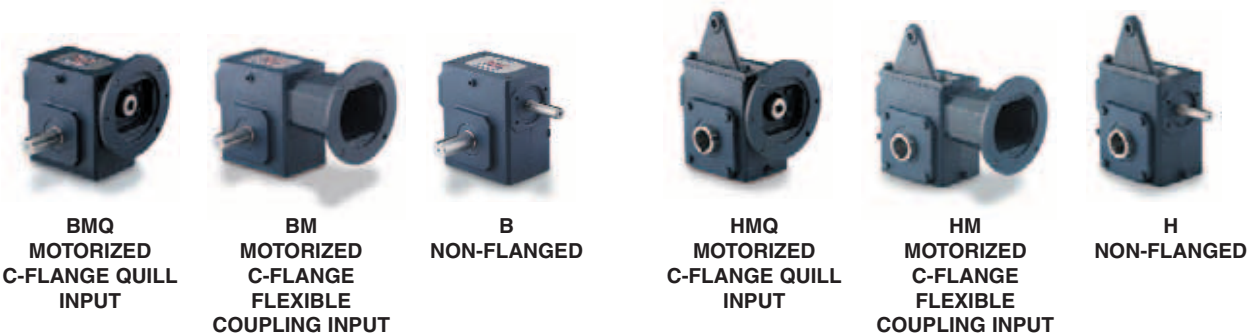
CENTER DISTANCE (Inches)	1.33	1.50	1.75	2.06	2.38	2.62	3.00	3.25	4.25	5.25	6.00
LEESON 800 SERIES	BMQ813	BMQ815	BMQ818	BMQ821	BMQ824	BMQ826	BMQ830	BMQ832	BMQ842	BMQ852	BMQ860
LEESON 600 SERIES	BMQ613	—	BMQ618	BMQ621	BMQ624	BMQ626	—	BMQ632	—	BMQ652	BMQ660
BALDOR	F913	F915	F918	F921	F924	F926	—	F932	—	—	—
BOSTON	F713	F715	F718	F721	F724	F726	F730	F732	—	F752	F760
Dodge-Tigear	Q133	Q150	Q175	Q200	—	Q262	—	—	—	—	—
Electra	MCS13	—	MSC17	MSC21	—	MSC26	MSC30	—	MSC400	—	—
Falk-Omnibox	1133WBM	1154WBM	1175WBM	1206WBM	1238WBM	1262WBM	300WBM	1325WBM	1425WBM	1525WBM	1600WBM
Grove	BMQ213	BMQ215	BMQ218	BMQ220	—	BMQ226	BMQ230	BMQ232	BMQ242	BMQ252	BMQ2600
Hub City	134	—	184	214	—	264	—	324	450	—	—
Morse Cobra	13Q	—	18Q	21Q	—	26Q	—	—	—	—	—
Morse Invader	713F	715F	718F	724F	—	726F	730F	732F	745F	752F	760F
Morse Raider	Q133	Q154	Q175	Q206	Q237	Q262	Q300	Q325	Q450	Q516	—
Ohio Gear	BMQ2133	—	BMQ2175	BMQ2206	BMQ2238	BMQ2262	BMQ2300	BMQ2325	BMQ2425	BMQ2525	BMQ1600
Winsmith	913MDN	—	917MDN	920MDN	924MDN	926MDN	930MDN	—	943MDN	—	—

LEESON Style BM . Solid Output Shaft-NEMA C Flange Reducer (Flexible Coupling Input)

CENTER DISTANCE (Inches)	1.33	1.50	1.75	2.06	2.38	2.62	3.00	3.25	4.25	5.25	6.00
LEESON 800 SERIES	BM813	BM815	BM818	BM821	BM824	BM826	BM830	BM832	BM842	BM852	BM860
LEESON 600 SERIES	BM613	—	BM618	BM621	BM624	BM626	—	BM632	—	BM652	BM660
BALDOR	LF913	F915	LF918	LF921	LF924	LF926	—	LF932	—	—	—
BOSTON	RF713	F715	RF718	RF721	RF724	RF726	RF730	RF732	—	—	—
Electra	—	—	MC17	MC21	—	MC26	MC30	—	MC40	—	—
Falk-Omnibox	1133WBF	1154WBF	1175WBF	1206WBF	1238WBF	1262WBF	1300WBF	1325WBF	1425WBF	1525WBF	1600WBF
Grove	BM213	BM215	BM218	BM220	—	BM226	BM230	BM232	BM242	BM252	BM2600
Hub City	KIT	—	KIT	KIT	—	KIT	—	KIT	KIT	—	—
Morse Invader	713RF	715RF	718RF	724RF	—	726RF	730RF	732RF	745RF	75RF	760RF
Morse Raider	C133	Q154	C175	C206	C237	C262	C300	C325	C450	C516	—
Ohio Gear	BMC2133	—	BMC2175	BMC2206	BMC2238	BMC2262	BMC2300	BMC2325	BMC2425	BMC2525	BMC1600
Winsmith	913CDN	—	917CDN	920CDN	924CDN	926CDN	930CDN	—	943CDN	—	—

LEESON Style B . Solid Output Shaft-Non-Flanged Reducer (Basic Unit)

CENTER DISTANCE (Inches)	1.33	1.50	1.75	2.06	2.38	2.62	3.00	3.25	4.25	5.25	6.00
LEESON 800 SERIES	B813	B815	B818	B821	B824	B826	B830	B832	B842	B852	B860
LEESON 600 SERIES	B613	—	B618	B621	B624	B626	—	B632	—	B652	B660
BALDOR	S913	LF915	LF918	LF921	LF924	LF926	—	LF932	—	—	—
BOSTON	713	715	718	721	724	726	730	732	—	—	—
Dodge-Tigear	S133	S150	S175	S200	—	S262	—	—	—	—	—
Electra	M13	—	M17	M21	—	M26	M30	—	M400	M500	M600
Falk-Omnibox	1133WB	1154WB	1175WB	1206WB	1238WB	1262WB	1230WB	1325WB	1425WB	1525WB	1600WB
Grove	B213	B215	B218	B220	—	B226	B230	B232	B242	B252	B2600
Hub City	131	—	181	211	—	261	—	321	450	521	601
Morse Cobra	13U	—	18U	21U	—	26U	—	—	—	—	—
Morse Invader	713B	715B	718B	724B	—	726B	730B	732B	745B	752B	760B
Morse Raider	U133	U154	U175	U206	U237	U262	U300	U325	U450	U516	—
Ohio Gear	B2133	—	B2175	B2206	B2238	B2262	B2300	B2325	B2425	B2525	B1600
Winsmith	913DN	—	917DN	920DN	924DN	926DN	930DN	—	943DN	—	—





IRONMAN® BY OHIO GEAR REDUCERS

INTERCHANGE BY STYLE & SIZE

OHIO GEAR™

LEESON Style HMQ . Hollow Output Shaft-NEMA C Flange Reducer (Quill Input)

CENTER DISTANCE (Inches)	1.33	1.50	1.75	2.06	2.38	2.62	3.00	3.25	4.25	5.25	6.00
LEESON 800 SERIES	HMQ813	HMQ815	HMQ818	HMQ821	HMQ824	HMQ826	HMQ830	HMQ832	HMQ842	HMQ852	HMQ860
LEESON 600 SERIES	HMQ613	—	HMQ618	HMQ621	HMQ624	HMQ626	—	HMQ632	—	HMQ652	HMQ660
Baldor	HF913	HF915	HF918	HF921	HF924	HF926	—	HF932	—	—	—
Boston	HF713	HF715	HF718	HF721	HF724	HF726	HF730	HF732	—	—	—
Electra	—	—	MHSC17	MHSC21	—	MHSC26	MHSC30	—	—	—	—
Falk-Omnibox	1133WBQM	1154WBQM	1175WBQM	1206WBQM	1238WBQM	1262WBQM	1300WBQM	1325WBQM	1425WBQM	1525WBQM	1600WBQM
Grove	HMQ213	HMQ215	HMQ218	HMQ220	—	HMQ226	HMQ230	HMQ232	HMQ242	HMQ252	HMQ2600
Hub City	—	—	185	215	—	265	—	325	—	—	—
Morse Cobra	13QH	—	18QH	21QH	—	26QH	—	—	—	—	—
Morse Invader	713SF	715SF	718SF	724SF	—	726SF	730SF	732SF	—	752SF	760SF
Morse Raider	QH133	QH154	QH175	QH206	QH237	QH262	—	QH325	—	—	—
Ohio Gear	SM2133MQ	—	SM2175MQ	SM2206MQ	SM2238MQ	SM2262MQ	SM2300MQ	SM2325MQ	SM2425MQ	SM2525MQ	SM1600MQ
Winsmith	—	—	917MDSN	920MDSN	924MDSN	926MDSN	930MDSN	—	943MDSN	—	—

LEESON Style HM . Hollow Output Shaft-NEMA C Flange Reducer (Flexible Coupling Input)

CENTER DISTANCE (Inches)	1.33	1.50	1.75	2.06	2.38	2.62	3.00	3.25	4.25	5.25	6.00
LEESON 800 SERIES	HM813	HM815	HM818	HM821	HM824	HM826	HM830	HM832	HM842	HM852	HM860
LEESON 600 SERIES	HM613	—	HM618	HM621	HM624	HM626	—	HM632	—	HM652	HM660
Boston	HRF713	HRF715	HRF718	HRF721	HRF724	HRF726	HRF730	HRF732	—	—	—
Electra	—	—	MHC17	MHC21	—	MHC26	MHC30	—	—	—	—
Falk-Omnibox	1133WBQF	1154WBQF	1175WBQF	1206WBQF	1238WBQF	1262WBQF	1300WBQF	1325WBQF	1425WBQF	1525WBQF	1600WBQF
Grove	HM213	HM215	HM218	HM220	—	HM226	HM230	HM232	HM242	HM252	HM2600
Hub City	—	—	KIT	KIT	—	KIT	—	KIT	—	—	—
Morse Invader	713SRF	715SRF	718SRF	724SRF	—	726SRF	730SRF	732SRF	—	752SRF	760SRF
Morse Raider	CH133	CH154	CH175	CH206	CH237	CH262	—	CH325	—	—	—
Ohio Gear	SM2133MC	—	SM2175MC	SM2206MC	SM2238MC	SM2262MC	SM2300MC	SM2325MC	SM2425MC	SM2525MC	SM1600MC
Winsmith	—	—	917CDSN	920CDSN	924CDSN	926CDSN	930CDSN	—	943CDSN	—	—

LEESON Style H . Hollow Output Shaft - Non-Flanged Reducer (Basic Unit)

CENTER DISTANCE (Inches)	1.33	1.50	1.75	2.06	2.38	2.62	3.00	3.25	4.25	5.25	6.00
LEESON 800 SERIES	H813	H815	H818	H821	H824	H826	H830	H832	H842	H852	H860
LEESON 600 SERIES	H613	—	H618	H621	H624	H626	—	H632	—	H652	H660
Boston	H713	H715	H718	H721	H724	H726	H730	H732	—	—	—
Electra	—	—	MH17	MH21	—	MH26	MH30	—	—	—	—
Falk-Omnibox	1133WBQ	1154WBQ	1175WBQ	1206WBQ	1238WBQ	1262WBQ	1300WBQ	1325WBQ	1425WBQ	1525WBQ	1600WBQ
Grove	H213	H215	H218	H220	—	H226	H230	H232	H242	H252	H2600
Hub City	—	—	182	212	—	262	—	322	—	—	—
Morse Cobra	13UH	—	18UH	21UH	—	26UH	—	—	—	—	—
Morse Invader	713S	715S	718S	724S	—	726S	730S	732S	—	752S	760S
Morse Raider	UH133	UH154	UH175	UH206	UH237	UH262	—	UH325	—	—	—
Ohio Gear	SM2133	—	SM2175	SM2206	SM2238	SM2262	SM2300	SM2325	SM2425	SM2525	SM1600
Winsmith	—	—	917DSN	920DSN	924DSN	926DSN	930DSN	—	943DSN	—	—

Accessory Nomenclature

	Horizontal Base	Vertical Input Shaft Base	Vertical Output Shaft Base-Low	Vertical Output Shaft Base-High	Output Flange	Left Hand Output Shaft	Right Hand Output Shaft	Double Output Shaft
LEESON	T or U	J	VL	VH	F	L	R	D
Baldor	A or B	X	D or F	C or E	R/L	G	J	H
Boston	A or B	X	D or F	C or E	R/L	G	J	H
Dodge-Tigear	M	J	—	—	U	K1	L1	LK
Electra	A	JB	B	—	RH	L	R	D
Flak-Omnibox	HOFK	VIFK	VOFK	VOFK	OFK	2	3	1
Grove	T or U	J	VL	VH	F	2	3	1
Hub City	—	—	—	—	—	B	C	A
Morse Cobra	—	—	—	—	—	L	R	LR
Morse Invader	T or U	J	VL	VH	F	L	R	LR
Morse Raider	B	J	VL	VH	F	L	R	LR
Ohio Gear	U	J	PL	PH	F	B	C	A
Winsmith	T	J	V	V	U	L	R	LR



IRONMAN® BY OHIO GEAR REDUCERS

DIMENSIONAL INTERCHANGE

OHIO GEAR™

LEESON 813 (1.33" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	N	T	U
LEESON (800 Series)	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.61	3.25	4.37	3.82	3.46	4.00	0.625	0.500
LEESON (600 Series) ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.67	3.25	4.38	3.88	3.42	4.00	0.625	0.500
Alling Lander ♦	1.33	1.72	2.03	2.00	3.25	5/16-18	0.28	2.61	3.25	4.25	3.82	3.46	4.00	0.750	0.500
Baldor ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.12	3.25	4.38	3.91	3.94	4.00	0.625	0.500
Boston ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.12	3.25	4.38	3.91	3.94	4.00	0.625	0.500
Dodge - Tigear ▼	1.33	1.71	2.24	2.00	3.32	1/4-20	0.34	2.44	3.25	4.38	N/A	3.72	4.00	0.625	N/A
Electra ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.30	3.26	4.38	3.91	3.22	4.00	0.625	0.500
Falk - Omnibox ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.61	3.25	4.37	3.82	3.46	4.00	0.625	0.500
Grove ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.61	3.25	4.37	3.82	3.46	4.00	0.625	0.500
Hub City	1.33	1.56	KIT	1.63	KIT	1/4-20	KIT	2.00	2.25	KIT	3.50	3.38	3.25	0.625	0.500
Morse Cobra	1.33	1.95	1.95	2.85	2.85	0.28	0.28	2.16	2.75	2.75	3.69	3.47	3.54	0.625	0.625
Morse Invader ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.12	3.25	4.38	4.03	3.94	4.00	0.625	0.500
Morse Raider ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.12	3.25	4.38	4.03	3.25	4.00	0.625	0.500
Ohio Gear ♦	1.33	1.72	2.25	2.00	3.31	5/16-18	0.34	2.56	3.25	4.38	3.69	3.96	4.00	0.625	0.500
Winsmith	1.33	1.75	2.00	1.38	3.26	5/16-18	0.28	2.83	3.12	4.26	4.12	3.63	4.00	0.750	0.625

LEESON 815 (1.5" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	N	T	U
LEESON (800 Series)	1.54	1.91	2.50	2.75	4.31	5/16-18	0.41	3.14	4.19	5.25	4.35	3.99	4.31	0.750	0.625
Alling Lander ▼	1.54	1.88	2.19	1.88	4.19	5/16-18	0.34	3.14	3.25	4.50	4.25	3.99	4.35	0.750	0.625
Boston ♦	1.54	1.91	2.50	2.75	4.31	5/16-18	0.41	2.60	4.19	5.25	4.69	4.50	4.31	0.750	0.625
Dodge - Tigear	1.50	1.87	2.49	2.25	3.50	1/4-20	0.44	2.64	3.50	5.25	N/A	4.44	4.31	0.750	N/A
Falk - Omnibox ♦	1.54	1.91	2.50	2.76	4.31	5/16-18	0.38	3.21	4.18	5.25	4.91	3.97	4.31	0.750	0.625
Grove ♦	1.54	1.91	2.50	2.75	4.31	5/16-18	0.41	3.14	4.19	5.25	4.35	3.99	4.31	0.750	0.625
Morse Invader ♦	1.54	1.91	2.50	2.75	4.31	5/16-18	0.41	2.75	4.19	5.25	4.69	4.50	4.31	0.750	0.625
Morse Raider ♦	1.54	1.91	2.50	2.75	4.31	5/16-18	0.41	2.75	4.19	5.25	4.69	4.52	4.31	0.750	0.625

LEESON 818 (1.75" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	N	T	U
LEESON (800 Series)	1.75	2.06	2.75	2.75	4.50	5/16-18	0.41	3.24	4.19	5.75	4.45	4.09	4.31	0.875	0.625
LEESON (600 Series) ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	3.17	4.18	5.75	4.44	3.99	4.31	0.875	0.625
Alling Lander	1.75	2.06	2.44	1.88	3.50	5/18-18	0.41	3.24	3.75	4.63	4.45	4.09	4.75	1.000	0.625
Baldor ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	2.78	4.19	5.75	4.88	4.69	4.31	0.875	0.625
Boston ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	2.75	4.19	5.75	4.88	4.69	4.31	0.875	0.625
Dodge - Tigear ▼	1.75	1.99	2.74	2.75	4.50	5/18-18	0.44	2.89	4.19	5.75	N/A	4.94	4.31	0.875	N/A
Electra	1.75	2.31	2.87	2.94	4.38	5/18-18	0.38	2.81	3.68	5.25	4.41	4.41	4.39	0.750	0.625
Falk - Omnibox ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	3.24	4.19	5.75	4.45	4.09	4.31	0.875	0.625
Grove ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	3.24	4.19	5.75	4.45	4.09	4.31	0.875	0.625
Hub City	1.75	1.88	KIT	1.63	KIT	1/4-20	KIT	2.97	3.13	KIT	4.00	3.75	3.50	0.750	0.500
Morse Cobra	1.75	2.22	2.22	2.76	2.76	0.28	0.28	2.50	3.38	3.38	4.35	3.80	3.94	0.875	0.625
Morse Invader ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	2.75	4.19	5.75	4.68	4.38	4.31	0.875	0.625
Morse Raider ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	2.75	4.19	5.75	4.68	3.88	4.31	0.875	0.625
Ohio Gear ♦	1.75	2.06	2.75	2.75	4.50	5/18-18	0.41	3.15	4.19	5.75	4.75	4.44	4.31	0.875	0.625
Winsmith	1.75	2.13	2.44	1.76	3.50	3/8-16	0.41	3.44	3.88	4.62	4.75	4.06	4.75	1.000	0.750

LEESON 821 (2.06" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	N	T	U
LEESON (800 Series)	2.06	2.28	3.00	2.88	4.69	3/8-16	0.47	3.61	5.00	6.38	4.82	4.46	4.68	1.000	0.625
LEESON (600 Series) ♦	2.06	2.28	3.00	2.88	4.68	3/8-16	0.47	3.58	5.00	6.38	4.85	4.40	4.68	1.000	0.625
Alling Lander	2.06	2.31	2.63	1.88	4.50	5/16-18	0.34	3.61	3.25	4.19	4.82	4.46	4.34	0.875	0.625
Baldor ♦	2.06	2.28	3.00	2.88	4.69	3/8-16	0.47	3.03	5.00	6.38	5.13	5.07	4.69	1.000	0.625
Boston ♦	2.06	2.28	3.00	2.88	4.69	3/8-16	0.47	3.00	5.00	6.38	5.13	5.06	4.69	1.000	0.625
Dodge - Tigear ▼	2.00	2.24	2.99	2.88	4.68	3/8-16	0.50	3.20	5.00	6.38	N/A	5.00	4.69	1.000	N/A
Electra	2.15	2.63	3.26	3.26	5.38	3/8-16	0.44	3.31	4.12	6.00	5.47	4.91	5.38	1.000	0.750
Falk - Omnibox* ▼	2.06	2.28	3.00	3.00	4.69	5/16-18	0.47	3.61	4.75	6.38	4.82	4.46	4.68	1.000	0.625
Grove* ▼	2.06	2.28	3.00	3.00	4.69	5/16-18	0.47	3.61	4.75	6.38	4.82	4.46	4.68	1.000	0.625
Hub City	2.06	2.44	KIT	2.00	KIT	3/8-16	KIT	2.81	4.00	KIT	4.44	4.13	4.25	0.875	0.625
Morse Cobra	2.06	2.72	2.72	3.25	3.25	0.41	0.41	2.97	4.38	4.38	4.97	4.72	4.31	1.000	0.625
Morse Invader ♦	2.06	2.28	3.00	2.88	4.69	3/8-16	0.47	3.00	5.00	6.38	5.06	4.75	4.69	1.000	0.625
Morse Raider ♦	2.06	2.28	3.00	2.88	4.69	3/8-16	0.47	3.00	5.00	6.38	5.06	4.25	4.69	1.000	0.625
Ohio Gear ♦	2.06	2.28	3.00	2.88	4.69	3/8-16	0.47	3.46	5.00	6.38	5.06	4.75	4.69	1.000	0.625
Winsmith	2.00	2.13	2.63	1.76	3.76	3/8-16	0.41	3.44	4.38	5.00	5.00	4.06	4.75	1.000	0.750

♦ Indicates a direct interchange to LEESON IRONMAN reducers

▼ Indicates a direct interchange to LEESON IRONMAN reducers with some minor modification to equipment.

* LEESON offers a housing to match the Falk/ Grove mounting pattern. Consult LEESON for availability.



IRONMAN® BY OHIO GEAR REDUCERS

DIMENSIONAL INTERCHANGE

OHIO GEAR™

LEESON 824 (2.38" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	LQ1	N	T	U
LEESON (800 Series)	2.38	2.50	3.25	2.88	4.88	3/8-16	0.49	3.77	5.00	7.06	5.51	4.63	5.06	5.14	1.125	0.750
LEESON (600 Series) ♦	2.38	2.50	3.25	2.88	4.88	3/8-16	0.49	3.66	5.00	7.06	5.51	4.63	5.21	5.09	1.125	0.750
Alling Lander	2.38	2.69	3.00	2.13	4.50	3/8-16	0.41	3.77	4.00	3.75	5.51	4.63	5.06	4.88	1.000	0.750
Baldor ♦	2.38	2.50	3.25	2.88	4.88	3/8-16	0.47	3.22	5.00	7.06	5.75	5.25	N/A	5.09	1.125	0.750
Boston ♦	2.38	2.50	3.25	2.88	4.88	3/8-16	0.47	3.19	5.00	7.06	5.75	5.25	5.69	5.09	1.125	0.750
Falk - Omnibox ♦	2.38	2.50	3.25	2.88	4.88	3/8-16	0.47	3.77	5.00	7.06	5.51	4.63	5.06	5.14	1.125	0.750
Grove ♦	2.38	2.50	3.25	2.88	4.88	3/8-16	0.47	3.77	5.00	7.06	5.51	4.63	5.06	5.14	1.125	0.750
Morse Invader ♦	2.37	2.50	3.25	2.88	4.88	3/8-16	0.47	3.56	5.00	7.06	5.44	5.06	N/A	5.08	1.125	0.750
Morse Raider ♦	2.37	2.50	3.25	2.88	4.88	3/8-16	0.47	3.56	5.00	7.06	5.44	4.57	N/A	5.08	1.125	0.750
Ohio Gear ♦	2.38	2.50	3.25	2.88	4.88	3/8-16	0.47	3.68	5.00	7.06	5.75	5.06	5.22	5.09	1.125	0.750
Winsmith	2.38	2.88	3.25	2.26	3.76	1/2-13	0.41	4.50	4.38	6.26	6.50	5.38	5.38	5.50	1.250	1.000

LEESON 826 (2.62" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	LQ1	N	T	U
LEESON (800 Series)	2.63	2.94	3.69	3.38	5.25	3/8-16	0.53	4.34	6.38	8.00	6.07	5.19	5.62	5.63	1.125	0.750
LEESON (600 Series) ♦	2.63	2.94	3.69	3.38	5.25	3/8-16	0.53	4.31	6.38	8.00	6.12	5.23	5.81	5.63	1.125	0.750
Alling Lander	2.62	2.94	3.25	2.13	4.13	3/8-16	0.41	4.34	4.00	4.75	6.07	5.19	5.62	5.25	1.125	0.750
Baldor ♦	2.62	2.94	3.69	3.38	5.25	3/8-16	0.53	3.69	6.38	8.00	6.31	5.75	6.19	5.62	1.125	0.750
Boston ♦	2.62	2.94	3.69	3.38	5.25	3/8-16	0.53	3.69	6.38	8.00	6.31	5.75	6.19	5.63	1.125	0.750
Dodge - Tigear ▼	2.62	2.87	3.68	3.38	5.25	3/8-16	0.56	3.75	6.38	8.00	N/A	5.72	6.63	5.63	1.125	N/A
Electra	2.69	3.25	3.94	3.38	5.38	3/8-16	0.50	3.87	5.00	6.88	6.00	5.47	N/A	5.19	1.250	0.750
Falk - Omnibox ♦	2.63	2.94	3.69	3.38	5.25	3/8-16	0.53	4.34	6.38	8.00	6.07	5.19	5.62	5.63	1.125	0.750
Grove** ▼	2.63	2.94	3.69	3.38	5.25	3/8-16	0.53	4.34	6.38	8.00	6.07	5.19	5.62	5.63	1.250	0.750
Hub City	2.63	2.94	KIT	2.69	KIT	3/8-16	KIT	3.19	4.88	KIT	5.63	4.50	4.75	4.50	1.250	0.625
Morse Cobra	2.62	3.25	3.25	3.50	3.50	0.41	0.41	3.38	5.00	5.00	5.87	5.15	5.88	5.13	1.125	0.875
Morse Invader ♦	2.62	2.94	3.69	3.38	5.25	3/8-16	0.53	3.69	6.38	8.00	6.23	5.69	6.12	5.63	1.125	0.750
Morse Raider ♦	2.62	2.94	3.69	3.38	5.25	3/8-16	0.53	3.69	6.38	8.00	6.23	4.81	5.60	5.63	1.125	0.750
Ohio Gear ♦	2.62	2.94	3.69	3.38	5.25	3/8-16	0.53	4.24	6.38	8.00	6.31	5.62	5.78	5.63	1.125	0.750
Winsmith	2.63	3.13	3.50	2.26	3.76	1/2-13	0.41	4.50	4.88	6.50	6.50	5.38	5.38	5.50	1.250	1.000

** LEESON offers a 1.25" output shaft diameter to match the Grove shaft requirement. Contact LEESON for availability.

LEESON 830 (3.00" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	LQ1	N	T	U
LEESON (800 Series)	3.00	3.25	4.00	4.00	5.88	7/16-14	0.53	4.84	7.00	8.44	6.57	5.69	6.12	6.75	1.250	0.875
Alling Lander	3.00	3.38	3.69	2.38	4.13	3/8-16	0.41	4.84	4.63	6.00	6.57	5.69	6.12	5.77	1.250	0.875
Boston ♦	3.00	3.25	4.00	4.00	5.88	7/16-14	0.53	4.10	7.00	8.44	6.88	6.20	6.64	6.75	1.250	0.875
Electra	3.00	3.50	4.25	4.12	7.50	1/2-13	0.56	4.44	5.76	8.38	6.63	6.03	6.03	6.62	1.500	1.000
Falk - Omnibox ♦	3.00	3.25	4.00	4.00	5.88	7/16-14	0.50	4.97	7.00	8.44	7.25	5.70	6.13	6.75	1.250	0.875
Grove ♦	3.00	3.25	4.00	4.00	5.88	7/16-14	0.53	4.84	7.00	8.44	6.57	5.69	6.12	6.75	1.250	0.875
Morse Invader ▼	3.00	3.25	4.13	4.00	6.13	7/16-14	0.53	4.50	7.00	8.44	7.00	5.67	6.45	6.75	1.250	0.875
Morse Raider ▼	3.00	3.25	4.13	4.00	6.18	7/16-14	0.53	4.50	7.00	9.50	7.00	5.67	6.45	6.75	1.250	0.875
Ohio Gear ♦	3.00	3.25	4.00	4.00	5.88	7/16-14	0.53	4.87	7.00	8.44	6.94	6.25	6.41	6.75	1.250	0.875
Winsmith	3.00	3.50	4.00	2.62	4.76	1/2-13	0.56	4.63	5.50	7.00	7.00	5.56	5.56	5.88	1.375	1.000

LEESON 832 (3.25" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	LQ1	N	T	U
LEESON (800 Series)	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	5.02	7.50	9.50	6.76	5.88	6.31	7.06	1.375	0.875
LEESON (600 Series) ♦	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	4.94	7.50	9.50	7.44	6.56	7.00	7.06	1.375	0.875
Alling Lander	3.25	4.19	4.56	3.50	6.50	1/2-13	0.41	5.02	7.00	7.75	6.76	5.88	6.30	7.03	1.500	0.875
Baldor ♦	3.25	3.50	4.38	4.00	6.12	7/16-14	0.53	4.46	7.50	9.50	7.44	6.56	7.00	7.06	1.375	0.875
Boston ♦	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	4.94	7.50	9.50	7.44	6.56	7.00	7.06	1.375	0.875
Falk - Omnibox ♦	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	5.02	7.50	9.50	6.76	5.88	6.31	7.06	1.375	0.875
Grove ♦	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	5.02	7.50	9.50	6.76	5.88	6.31	7.06	1.500	0.875
Hub City	3.25	3.25	KIT	2.75	KIT	1/2-13	KIT	4.19	6.25	KIT	6.75	5.50	6.25	5.04	1.375	0.875
Morse Invader ♦	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	4.50	7.50	9.50	7.06	6.56	7.00	7.06	1.375	0.875
Morse Raider ♦	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	4.50	7.50	9.50	7.06	5.69	6.47	7.06	1.375	0.875
Ohio Gear ♦	3.25	3.50	4.38	4.00	6.13	7/16-14	0.53	4.93	7.50	9.50	7.00	6.31	6.47	7.06	1.375	0.875

♦ Indicates a direct interchange to LEESON IRONMAN reducers

▼ Indicates a direct interchange to LEESON IRONMAN reducers with some minor modification to equipment.



IRONMAN® BY OHIO GEAR REDUCERS

DIMENSIONAL INTERCHANGE

OHIO GEAR™

LEESON 842 (4.25" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	LQ1	N	T	U
LEESON (800 Series)	4.25	4.44	5.44	5.00	7.63	5/8-11	0.66	6.10	8.50	11.12	9.57	6.45	7.21	8.12	1.875	1.250
Alling Lander	4.25	4.50	5.00	3.75	5.75	1/2-13	0.56	6.10	7.50	9.75	9.57	6.77	7.21	7.50	1.750	1.250
Electra 4.00	4.50	5.75	3.76	8.00	5/8-11	0.81	7.34	7.00	8.50	8.13	6.50	6.91	7.97	1.750	1.250	
Falk - Omnibox ♦	4.25	4.44	5.44	5.00	7.62	5/8-11	0.63	6.24	8.50	11.12	9.56	6.77	7.21	8.12	1.875	1.250
Grove ♦ 4.25	4.44	5.44	5.00	7.63	5/8-11	0.66	6.10	8.50	11.12	9.57	6.45	7.21	8.12	1.875	1.250	
Hub City 4.50	4.63	KIT	3.25	KIT	5/18-11	KIT	5.22	8.13	KIT	8.44	6.75	9.00	7.25	1.625	1.125	
Morse Invader	4.50	4.50	5.63	5.81	7.63	5/8-11	0.66	5.63	9.56	12.13	9.59	6.69	7.47	8.44	1.625	1.125
Morse Raider	4.50	4.50	5.63	5.81	7.63	5/8-11	0.66	6.42	9.56	12.13	9.59	6.69	7.97	8.44	1.625	1.125
Ohio Gear ▼	4.25	4.44	5.44	5.00	7.50	5/8-11	0.66	6.30	9.50	12.25	9.56	6.77	7.21	8.06	1.750	1.125
Winsmith 4.25	4.38	5.00	3.26	5.76	5/8-11	0.66	5.88	7.50	9.76	8.19	6.63	6.63	8.00	2.000	1.250	

LEESON 852 (5.25" Center Distance)

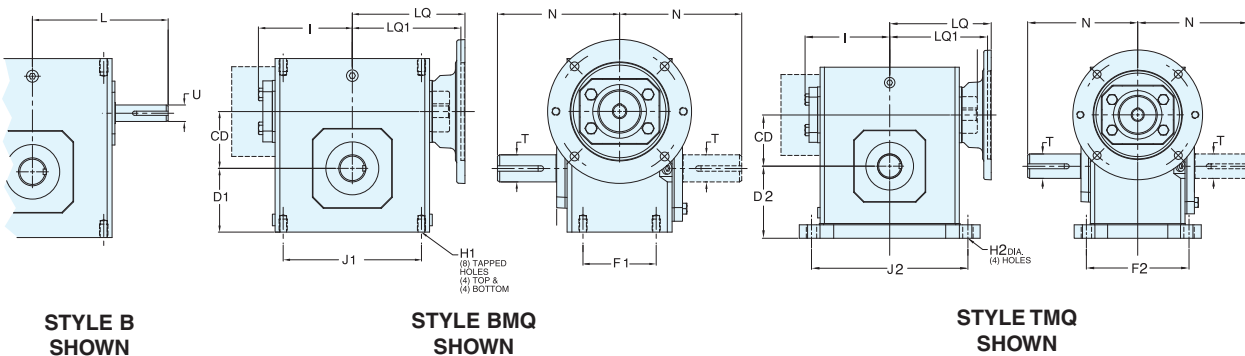
Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	LQ1	N	T	U
LEESON (800 Series)	5.25	5.12	6.25	5.81	8.38	5/8-11	0.78	7.50	11.00	14.12	10.88	7.85	8.61	9.06	2.000	1.250
LEESON (600 Series) ▼	5.16	5.31	6.44	5.81	8.38	5/8-11	0.78	7.19	11.00	14.13	10.69	N/A	N/A	9.06	2.000	1.250
Alling Lander	5.25	4.88	6.00	4.50	7.00	5/8-11	0.69	7.50	9.00	12.00	10.88	8.17	8.61	9.00	2.000	1.250
Boston ▼	5.16	5.31	6.44	5.81	8.38	5/8-11	0.78	7.19	11.00	14.13	10.69	N/A	N/A	9.06	2.000	1.250
Electra	5.00	4.25	5.75	5.26	8.75	3/4-10	0.81	9.50	9.62	9.75	10.25	N/A	11.31	9.75	2.000	1.500
Falk - Omnibox ♦	5.25	5.12	6.25	5.81	8.38	5/8-11	0.78	7.50	11.00	14.12	10.88	7.85	8.61	9.06	2.000	1.250
Grove ♦	5.25	5.12	6.25	5.81	8.38	5/8-11	0.78	7.50	11.00	14.12	10.88	7.85	8.61	9.06	2.000	1.250
Hub City	5.17	5.38	KIT	3.75	KIT	5/8-11	KIT	6.16	9.50	KIT	9.25	7.50	7.50	7.81	1.750	1.250
Morse Invader ▼	5.16	5.31	6.44	5.81	8.38	5/8-11	0.78	6.44	11.00	14.13	10.69	N/A	8.28	9.06	2.000	1.250
Morse Raider ▼	5.16	5.31	6.44	5.81	8.38	5/8-11	0.78	6.44	11.00	14.13	10.69	N/A	8.28	9.06	2.000	1.250
Ohio Gear ▼	5.25	5.31	6.44	5.81	8.38	5/8-11	0.78	7.30	11.00	14.13	10.56	8.14	8.58	9.06	2.000	1.250

LEESON 860 (6.00" Center Distance)

Manufacturer	CD	D1	D2	F1	F2	H1	H2	I	J1	J2	L	LQ	LQ1	N	T	U
LEESON (800 Series)	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	11.13	12.75	16.49	11.78	10.45	9.33	10.00	2.500	1.500
LEESON (600 Series) ♦	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	7.94	12.75	16.50	11.75	N/A	N/A	10.00	2.250	1.500
Alling Lander	6.00	5.75	7.00	5.25	8.00	5/8-11	0.81	N/A	10.25	13.00	11.78	10.45	9.33	9.75	2.250	1.500
Boston ♦	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	7.94	12.75	16.50	11.75	N/A	N/A	10.00	2.250	1.500
Electra	6.00	5.00	6.75	5.38	9.50	7/8-9	0.94	10.50	11.00	10.50	10.99	N/A	11.94	10.75	2.250	1.500
Falk - Omnibox ♦	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	11.13	12.75	16.49	11.78	10.45	9.33	10.00	2.250	1.500
Grove ♦	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	11.13	12.75	16.49	11.78	10.45	9.33	10.00	2.500	1.500
Hub City	6.00	6.63	KIT	4.00	KIT	7/8-9	KIT	10.06	11.00	KIT	10.75	N/A	N/A	10.25	2.250	1.500
Morse Invader ♦	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	7.44	12.75	16.50	11.75	N/A	N/A	10.00	2.250	1.500
Morse Raider ♦	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	7.44	12.75	16.50	11.75	N/A	N/A	10.00	2.250	1.500
Ohio Gear ♦	6.00	6.50	7.75	6.38	9.50	5/8-11	0.91	8.35	12.75	16.50	12.25	8.88	9.32	10.00	2.500	1.500

♦ Indicates a direct interchange to LEESON IRONMAN reducers

▼ Indicates a direct interchange to LEESON IRONMAN reducers with some minor modification to equipment.





IRONMAN® BY OHIO GEAR REDUCERS

SINGLE REDUCTION MODEL NUMBER SYSTEM

OHIO GEAR™

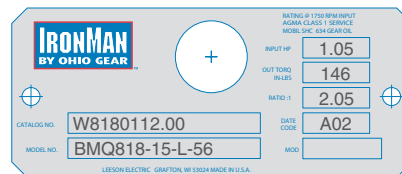
LEESON 800 Series Gear Reducer Model Number Nomenclature

All stock and custom 800 series reducers are identified by a model number. The model number appears on the nameplate and describes pertinent features of the reducer. An example follows, along with a listing of the various letters and positions used.

NOTE: All reducers also have a catalog number—for example W8130001. Reducers and renewal parts should be ordered by catalog number. If a stock reducer has been factory modified by the addition of an optional base for example, the modification number T818, for example, is stamped in the blank column of the nameplate. Accessories that are field installed will not be noted on the nameplate.

Catalog numbers 3000 and higher (for example, W8133000) are WASHGUARD® reducers for washdown service.

Catalog numbers 5000 (for example, W8135000) and higher are custom reducers manufactured for a specific application. The machinery or equipment manufacturer should be contacted for replacement reducers. Renewal parts can be ordered from LEESON by catalog number.



Style

SOLID OUTPUT SHAFT
BMQ – Motorized, Quill Input
BM – Motorized, Flexible Coupling Input
B – Non-Flanged
Refer to LEESON catalog 8050 for other styles.

W prefix; i.e. WBMQ denotes WASHDOWN Reducer
S prefix; i.e. SBMQ denotes Stainless Steel Reducer

HOLLOW OUTPUT SHAFT
HMQ – Motorized, Quill Input
HM – Motorized, Flexible Coupling Input
H – Non-Flanged
Refer to LEESON catalog 8050 for other styles.

Series

CAST IRON 800 SERIES CENTER DISTANCES

Series	Center Distance (Inches)
813	1.33
815	1.50
818	1.75
821	2.06
824	2.38
826	2.62
830	3.00
832	3.25
842	4.25
852	5.25
860	6.00

Ratio

STANDARD RATIOS

Series	Center Dist.(In.)	RATIO : 1											
		5	7.5	10	15	20	25	30	40	50	60	80	100
813	1.33	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
815	1.50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
818	1.75	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
821	2.06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
824	2.38	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
826	2.62	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
830	3.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
832	3.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
842	4.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
852	5.25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
860	6.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Output Shaft Orientation

Motor Flange

Output Bore Code

Hollow Shaft Only
Refer to LEESON catalog 8050 for all options available.

NEMA Input Flange Code	For NEMA Frame
48	48CZ
56	56C
140	143-5TC
180	182-4TC
210	213-5TC
250	254-6TC

L – Left-hand Output Shaft*
R – Right-hand Output Shaft*
D – Double Output Shaft
H – Hollow Output Shaft
* Viewed from drive end of reducer.

Sample Model Number

Solid Shaft

Motorized Quill Input, Single Reduction Reducer, 1.75" Center Distance, 15:1 Ratio, Left Hand Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

BMQ **818** **15** **L** **56**
Style Series Ratio Mounting Assembly Motor Input Flange

Hollow Shaft

Motorized Quill Input, Single Reduction Reducer, 1.75" Center Distance, 15:1 Ratio, 1.00" Hollow Output Shaft, and 5/8" Input Bore with NEMA 56C Flange.

HMQ **818** **15** **H1** **56** **16**
Style Series Ratio Mounting Assembly Motor Input Flange Output Bore Code

OTHER PRODUCT LITERATURE AVAILABLE

In addition to the information in this brochure, your LEESON distributor or local District Sales Office can provide additional literature, product support or application assistance.



Stock Catalog (Catalog 1050)

LEESON's 1050 Stock Catalog offers one of the widest off-the-shelf product offerings in the industry and includes nearly 4,000 stock motors, gearmotors, gear reducers and drives.



Aluminum Gear Reducers (Catalog 7050)

New line of industrial aluminum gear reducers with great advantages in terms of weight and efficiency. Designed for easy bolt-in replacement of popular brands such as SEW, Nord, David Brown and others.



IRONMAN® Cast Iron Worm Gear Reducers (Catalog 8050)

Newly expanded catalog with comprehensive information on industrial-duty gear reducers. Both solid and hollow output shaft designs, in single or double reduction configurations.



Sub-FHP Gearmotors (Bulletin 1830)

Range of sub-fractional HP AC and DC Gearmotors is reviewed. Both right-angle and parallel shaft models, 5 through 1112 in-lbs torque.



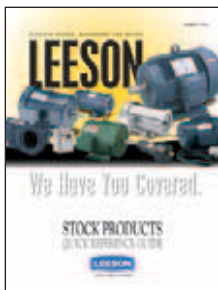
AC Inverter Drives (Bulletin 1400)

Full-feature, compact Inverter Drives in NEMA 1, NEMA 4/12 and NEMA 4X enclosures. "Big drive" control in extremely small package.



DC Motors & Gearmotors (Bulletin 1600)

Direct Current Motors and Gearmotors in both SCR Rated and Low Voltage designs. IEC (Metric), NEMA or Sub-FHP frames.



Stock Catalog Lite (Bulletin 1055)

A listing of the various products LEESON carries with brief technical references.



Basic Training Manual

An informative 80-page guide to electric motors including selection, application and maintenance of industrial electric motors.

Renewal Parts (Bulletin 1054)

Ordering information for the most popular stock motor renewal parts.

Terms and Conditions, Warnings and Cautions can be found in LEESON ELECTRIC catalog 8050



More Than Just a Motor Company

LEESON ELECTRIC

GRAFTON, WISCONSIN 53024-0241 U.S.A.
TEL (262)377-8810 FAX (262)377-9025 www.leeson.com

LEESON CANADA

TELEPHONE (905) 670-4770 FAX (905) 670-4378
MISSISSAUGA (TORONTO), ONTARIO L5T 2N7

A REGAL-BELOIT COMPANY

