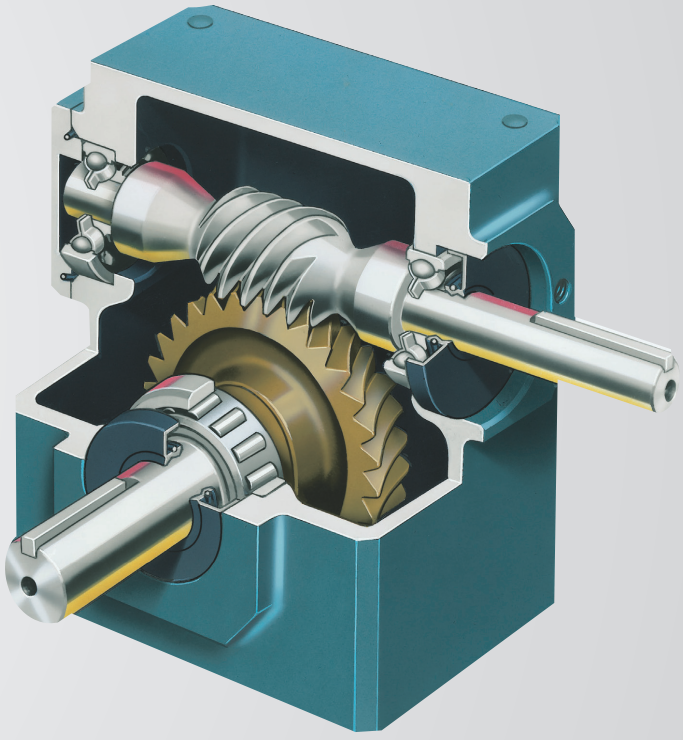
REXNORD

Falk Omnibox Worm Gear Drive

Interchange and Nomenclature Guide



FALK®

FALK® OMNIBOX

The High-Performance Choice for all Your Applications

When it comes to winning solutions to your right angle, small worm gear drive challenges, Omnibox® has it all. Omnibox incorporates our best durability and reliability features into one competitively priced product line. Over 475,000 configurations mean there's one that's precisely right for virtually every application.

And Omnibox delivers all this quality and performance in a package that offers drop-in convenience for minimal downtime.

Omnibox Truly is the Best of the Best

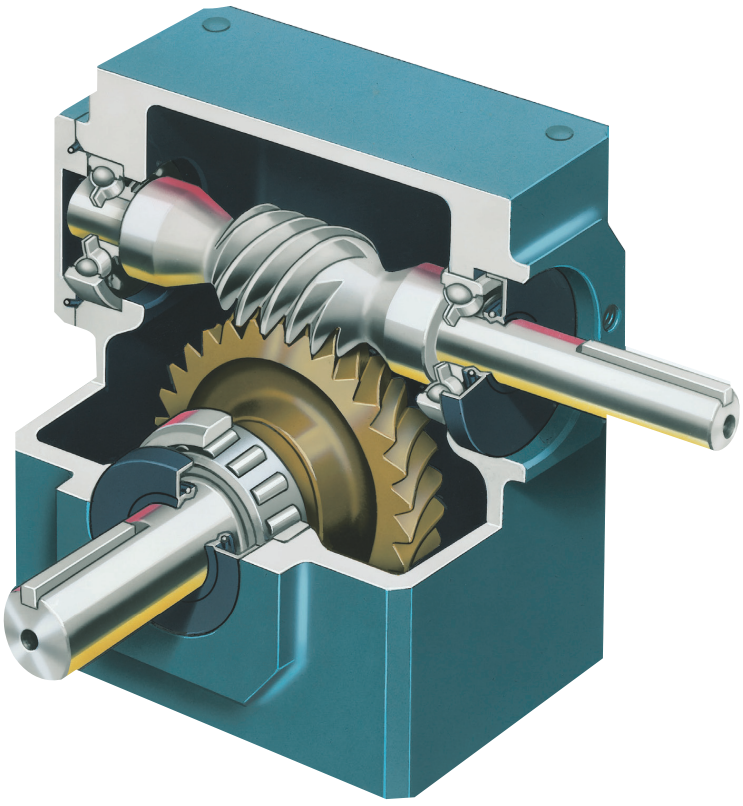
- Sizes: 1.33" through 10" centers
- Output speeds: .25 through 350 RPM
- Solid or hollow alloy-steel shafts
- Single or double ended outputs
- NEMA and IEC motor flanges
- Single reduction drives or double reduction drives in helical-worm or worm-worm configurations

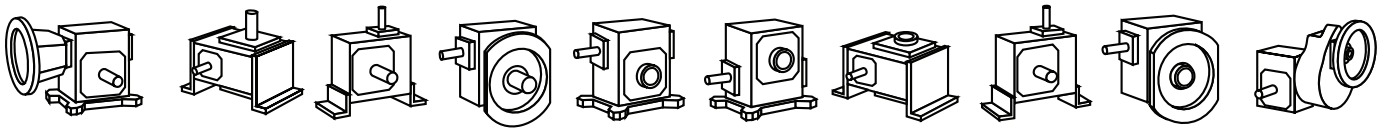
No Leaks

Omnibox is all about long life and low operating costs. Viton® Double Lip Seals, standard, deliver increased resistance to high temperature, abrasion and chemicals.

O-rings on input and output covers eliminate gaskets and silicone sealants that are prone to leaks. And the entire system is 100% run and leak tested.

Plus, a quill seal guard helps prevent input seal damage during motor installation. So Omnibox protects your investment right from the start.





Interchange and Nomenclature Guide 271-810, September 2002

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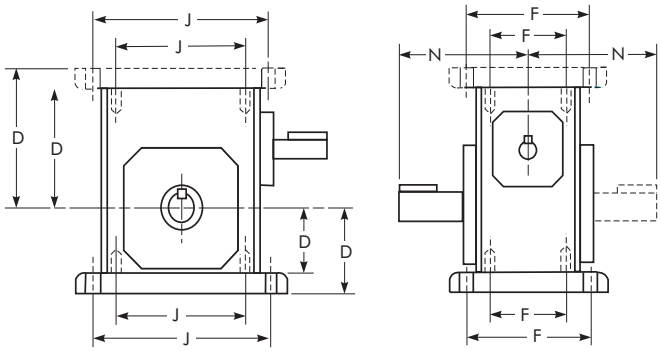
Dimensional interchangeability is listed for single reduction drives with 1 through 6 inch center distances with solid shaft input, close coupled "C" flange input or "C" flange solid shaft input drives. A directly interchangeable Falk drive has the same basic mounting dimensions as shown in the drawings below and requires no modification.



Example: Customer wants to replace a Boston F713B.

In Table 1.33" Center Distance below; note the Boston F713B is a close coupled "C" flange drive and directly interchangeable with a Falk 1133WOM.

Interchangeability with modifications required is indicated in the tables by footnotes 1, 2 and 3. The following is an explanation of the degrees of modification required:

1 Indicates there is only a slight difference in shaft diameter or mounting dimensions. Compare catalog dimensions.

Example: 1/16" difference in"D" dimension (distance from bottom of feet/drive to center line of the L.S. shaft).

Remedy: Shimming under the drive feet/drive, or if chain driven, changing slack in chain, lengthening or shortening the chain.

Example: 1/8" difference in shaft diameter.

Remedy: Change coupling or sprocket.

2 Browning/Morse only. Browning/Morse has integral cast feet on the bottom of housing (worm over) and bolt on feet on the top (worm under). The Falk basic drive (without feet) will only interchange in the worm under configuration.

3 Indicates considerable modification required interchangeability may not be practical.

Blank spaces in the tables indicate that the drive is not manufactured by the supplier.

Omnibox versus the Competition

BOSTON

- Boston Uses Aluminum Motor Flanges and Accessories – *Not as Strong as Cast Iron*
- Boston Uses Snap Rings to Hold Worm in Place – *Cast Iron Covers Allow Less Deflection*
- Some Ratios & Sizes Have Rolled Worm Shafts – *Results in Faster Wear of the Bronze Worm Gear*
- Drives Cannot be Field-Modified to Make Double Reduction Reducers – *This Lowers Their Versatility*

OHIO GEAR

- Ohio Rolls their Gearing – *Results in Lower HP Ratings*
- Ohio Holds Input Shaft in Place with Snap Rings – Rigid Covers Allow Less Deflection
- Ohio Uses Single Lipped Seals – *More Susceptible to Damage and Leakage*
- Ohio Uses Aluminum Housing Covers & Accessories – *Not as Strong as Cast Iron*

BROWNING/MORSE

- Old Design Gearing – *Less Efficient than Newer Designs*
- Small Input Bearings – *Less Ratings and Life*
- Snap Rings Hold Worm in Place – *Cast Iron Covers Allow Less Deflection*
- Browning/Morse Drives Shipped W/O Lubricant – *Greater Chance of Start-Up Lube Failures*
- Single Sip Seals are Used – *More susceptible to Damage and Leakage*

RELIANCE TI-GEAR

- Snap Ring Used to Retain Worm Shaft – *Cast Iron Covers Allow Less Deflection*
- Worm Shaft Bearing Float Cannot be Adjusted – *Housing Tolerance Build-up Can Cause Bearing Failures*
- Rolled Worm Threads Used on Some Ratios – Results in Faster Wear of Bronze Gearing
- Drives Cannot be Field-Modified to Make Double Reduction Units – *Reduces Their Versatility*
- Offer Limited Number of Sizes/Configurations – *They May Not Have What Your Customer Needs!*

1.33" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1133WB	**133WB**	713	133B	133U[2]	S133[1]	B1133	B213	913DN
1133WU	**133WU**	713A	133S	133U	S133[1]	U1133	U213	913DB
1133WO	**133WO**	713B	133U	133U	S133	T1133	T213	913DT
1133WX	**133WX**	713C	133PH			VH1133	VH213	913DV
1133WX	**133WX**	713D[1]	133PL	133U[3]		VL1133	VL213	
1133WJ	**133WJ**	713X[1]				J1133	J213	913DJ
1133WJ	**133WJ**	713Y[1]				J1133	J213	
Close Coupled "C" Flange Input (Quill)								
1133WBM	**133WBM**	F713	133B-MQ	133C[2]	133[1]	BMQ1133	BMQ213	913MDN
1133WUM	**133WUM**	F713A	133S-MQ	133C	133[1]	UMQ1133	UMQ213	913MDB
1133WOM	**133WOM**	F713B	133U-MQ	133C	133	TMQ1133	TQM213	913MDT
1133WXM	**133WXM**	F713C	133PH-MQ			VHMQ1133	VHMQ213	913MDV
1133WXM	**133WXM**	F713D[1]	133PL-MQ[1]	133C[3]		VLMQ1133	VLMQ213	
1133WJM	**133WJM**	F713X[1]				JMQ1133	JMQ213	913MDJ
1133WJM	**133WJM**	F713Y[1]				JMQ1133	JMQ213	
"C" Flange Solid Shaft Input								
1133WBF	**133WBF**	R713	133B-MC		S1331	BM1133	BM213	913CDN
1133WUF	**133WUF**	R713A	133S-MC		S133[1]	UM1133	UM213	
1133WOF	**133WOF**	R713B	133U-MC		S133	TM1133	TM213	913CDT
1133WXF	**133WXF**	R713C	133PH-MC			VHM1133	VHM213	913CDV
1133WXG	**133WXG**	R713D[1]	133PL-MC[1]			VLM113	VLM213	
1133WJF	**133WJF**	R713X[1]				JM1133	JM213	913CDJ
1133WJF	**133WJF**	R713Y[1]				JM1133	JM213	

1.54" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES
Solid Input Shaft							
1154WB	**154WB**	154		154U[2]	S150[1]	B1154	B215
1154WU	**154WU**	154A		154U	S150[1]	U1154	U215
1154WO	**154WO**	154B		154U	S150	T1154	T215
1154WX	**154WX**	154C				VH1154	VH215
1154WX	**154WX**	154D		154U[3]		VL1154	VL215
1154WJ	**154WJ**	155X				J1154	J215
1154WJ	**154WJ**	154Y				J1154	J215
Close Coupled "C" Flange Input (Quill)							
1154WBM	**154WBM**	F154		154C[2]	150[1]	BMQ1154	BMQ215
1154WUM	**154WUM**	F154A		154C	150[1]	UMQ1154	UMQ215
1154WOM	**154WOM**	F154B		154C	150	TMQ1154	TMQ215
1154WXM	**154WXM**	F154C				VHMQ1154	VHMQ215
1154WXM	**154WXM**	F154D		154C[2]		VLMQ1154	VLMQ215
1154WJM	**154WJM**	F154X				JMQ1154	JMQ215
1154WJM	**154WJM**	F154Y				JMQ1154	JMQ215
"C" Flange Solid Shaft Input							
1154WBF	**154WBF**	RF154			S150[1]	BM1154	BM215
1154WUF	**154WUF**	RF154A			S150[1]	UM1154	UM215
1154WOF	**154WOF**	RF154B			S150	TM1154	TM215
1154WXF	**154WXF**	RF154C				VHM1154	VHM215
1154WXF	**154WXF**	RF154D				VLM1154	VLM215
1154WJF	**154WJF**	RF154X				JM1154	JM215
1154WJF	**154WJF**	RF154Y				JM1154	2JM15

1 See note under "Example" on Page 3.
2 See note under "Example" on Page 3.
3 See note under "Example" on Page 3.

1.75" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1175WB	**175WB**	718	175B	175U[2]	S175[1]	B1133	B213	917DN
1175WU	**175WU**	718A	175S	175U[1]	S175[1]	U1133	U213	917DB
1175WO	**175WO**	718B	175U	175U	S175	T1133	T213	917DT
1175WX	**175WX**	718C	175PH			VH1133	VH213	917DV
1175WX	**175WX**	718D	175PL	175U[3]		VL1133	VL213	
1175WJ	**175WJ**	718X				J1133	J213	917DJ
1175WJ	**175WJ**	718Y				J1133	J213	
Close Coupled "C" Flange Input (Quill)								
1175WBM	**175WBM**	F718	175B-MQ	175C[2]	175[1]	BMQ1133	BMQ213	917MDN
1175WUM	**175WUM**	F718A	175S-MQ	175C[1]	175[1]	UMQ1133	UMQ213	917MDB
1175WOM	**175WOM**	F718B	175U-MQ	175C	175	TMQ1133	TMQ213	917MDT
1175WXM	**175WXM**	F718C	175PH-MQ			VHMQ1133	VHMQ213	917MDV
1175WXM	**175WXM**	F718D	175PL-MQ	175C[3]		VLMQ1133	VLMQ213	
1175WJM	**175WJM**	F718X				JMQ1133	JMQ213	917MDJ
1175WJM	**175WJM**	F718Y				JMQ1133	JMQ213	
"C" Flange Solid Shaft Input								
1175WBF	**175WBF**	RF718	175B-MC		S175[1]	BM1133	BM213	917CDN
1175WUF	**175WUF**	RF718A	175S-MC		S175[1]	UM1133	UM213	
1175WOF	**175WOF**	RF718B	175U-MC		S175	TM1133	TM213	917CDT
1175WXF	**175WXF**	RF718C	175PH-MC			VHM1133	VHM213	917CDV
1175WXF	**175WXF**	RF718D	175PL-MC			VLM1133	VLM213	
1175WJF	**175WJF**	RF718X				JM1133	JM213	917CDJ
1175WJF	**175WJF**	RF718Y				JM1133	JM213	

2.06" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1206WB	**206WB**	721[1]	206B	206U[2]	S206[1]	B1206	B220	920DN
1206WU	**206WU**	721A	206S	206U[1]	S206[1]	U1206	U220	920DB
1206WO	**206WO**	721B	206U	206U	S206	T1206	T220	920DT
1206WX	**206WX**	721C	206PH			VH1206	VH220	920DV
1206WX	**206WX**	721D	206PL	206U[3]		VL1206	VL220	
1206WJ	**206WJ**	721X				J1206	J220	920DJ
1206WJ	**206WJ**	721Y				J1206	J220	
Close Coupled "C" Flange Input (Quill)								
1206WMB	**206WMB**	F721[1]	206B-MQ[1]	206C[2]	206[1]	BMQ1206	BMQ220	920MDN
1206WUM	**206WUM**	F721A	206S-MQ	206C[1]	206[1]	UMQ1206	UMQ220	920MDB
1206WOM	**206WOM**	F721B	206U-MQ	206C	206	TMQ1206	TMQ220	920MDT
1206WXM	**206WXM**	F721C	206PH-MQ			VHMQ1206	VHMQ220	920MDV
1206WXM	**206WXM**	F721D	206PL-MQ	206C[3]		VLMQ1206	VLMQ220	
1206WJM	**206WJM**	F721X				JMQ1206	JMQ220	920MDJ
1206WJM	**206WJM**	F721Y				JMQ1206	JMQ220	
"C" Flange Solid Shaft Input								
1206WBF	**206WBF**	RF721[1]	206B-MC[1]		S206[1]	BM1206	BM220	920CDN
1206WUF	**206WUF**	RF721A	206S-MC		S206[1]	UM1206	UM220	
1206WOF	**206WOF**	RF721B	206U-MC		S206	TM1206	TM220	920CDT
1206WXF	**206WXF**	RF721C	206PH-MC			VHM1206	VHM220	920CDV
1206WXF	**206WXF**	RF721D	206PL-MC			VLM1206	VLM220	
1206WJF	**206WJF**	RF721X				JM1206	JM220	920CDJ
1206WJF	**206WJF**	RF721Y				JM1206	JM220	

1 See note under "Example" on Page 3.
2 See note under "Example" on Page 3.
3 See note under "Example" on Page 3.

2.38" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1238WB	**238WB**	724	238B	237U[2]		B1238	B224	924DN
1238WU	**238WU**	724A	238S	237U[1]		U1238	U224	924DB
1238WO	**238WO**	724B	238U	237U		T1238	T224	924DT
1238WX	**238WX**	724C	238PH			VH1238	VH224	924DV
1238WX	**238WX**	724D	238PL	237U[3]		VL1238	VL224	
1238WJ	**238WJ**	724X[1]				J1238	J224	924DJ
1238WJ	**238WJ**	724Y[1]				J1238	J224	
Close Coupled "C" Flange Input (Quill)								
1238WBM	**238WBM**	F724	238B-MQ	237C[2]		BMQ1238	BMQ224	924MDN
1238WUM	**238WUM**	F724A	238S-MQ	237C[1]		UMQ1238	UMQ224	924MDB
1238WOM	**238WOM**	F724B	238U-MQ	237C		TMQ1238	TMQ224	924MDT
1238WXM	**238WXM**	F724C	238PH-MQ			VHMQ1238	VHMQ224	924MDV
1238WXM	**238WXM**	F724D	238PL-MQ	237C[3]		VLMQ1238	VLMQ224	
1238WJM	**238WJM**	F724X[1]				JMQ1238	JM224	924MDJ
1238WJM	**238WJM**	F724Y[1]				JMQ1238	JM224	
"C" Flange Solid Shaft Input								
1238WBF	**238WBF**	RF724	238B-MC			BM1238	BM224	924CDN
1238WUF	**238WUF**	RF724A	238S-MC			UM1238	UM224	
1238WOF	**238WOF**	RF724B	238U-MC			TM1238	TM224	924CDT
1238WXF	**238WXF**	RF724C	238PH-MC			VHM1238	VHM224	924CDV
1238WXF	**238WXF**	RF724D	238PL-MC			VLM1238	VLM224	
1238WJF	**238WJF**	RF724X[1]				JM1238	JM224	924CDJ
1238WJF	**238WJF**	RF724Y[1]				JM1238	JM224	

2.62" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1262WB	**262WB**	726	262B	262U[2]	S262[1]	B1262[1]	B226	926DN
1262WU	**262WU**	726A	262S	262U[1]	S2621	U1262[1]	U226	926DB
1262WO	**262WO**	726B	262U	262U	S262	T1262[1]	T226	926DT
1262WX	**262WX**	726C	262PH			VH1262[1]	VH226	926DV
1262WX	**262WX**	726D	262PL	262U[3]		VL1262[1]	VL226	
1262WJ	**262WJ**	726X				J1262[1]	J226	926DJ
1262WJ	**262WJ**	726Y				J1262[1]	J226	
Close Coupled "C" Flange Input (Quill)								
1262WBM	**262WBM**	F726	262B-MQ	262C[2]	262[1]	BMQ1262[1]	BMQ226	926MDN
1262WUM	**262WUM**	F726A	262S-MQ	262C[1]	262[1]	UMQ1262[1]	UMQ226	926MDB
1262WOM	**262WOM**	F726B	262U-MQ	262C	262	TMQ1262[1]	TMQ226	926MDT
1262WXM	**262WXM**	F726C	262PH-MQ			VHMQ1262[1]	VHMQ226	926MDV
1262WXM	**262WXM**	F726D	262PL-MQ	262C[3]		VLMQ1262[1]	VLMQ226	
1262WJM	**262WJM**	F726X				JMQ1262[1]	JMQ226	926MDJ
1262WJM	**262WJM**	F726Y				JMQ1262[1]	JMQ226	
"C" Flange Solid Shaft Input								
1262WBF	**262WBF**	RF726	262B-MC		S262[1]	BM1262[1]	BM226	926CDN
1262WUF	**262WUF**	RF726A	262S-MC		S262[1]	UM1262[1]	UM226	
1262WOF	**262WOF**	RF726B	262U-MC		S262	TM1262[1]	TM226	926CDT
1262WXF	**262WXF**	RF726C	262PH-MC			VHM1262[1]	VHM226	926CDV
1262WXF	**262WXF**	RF726D	262PL-MC			VLM1262[1]	VLM226	
1262WJF	**262WJF**	RF726X				JM1262[1]	JM226	926CDJ
1262WJF	**262WJF**	RF726Y				JM1262[1]	JM226	

1 See note under "Example" on Page 3.
2 See note under "Example" on Page 3.
3 See note under "Example" on Page 3.

3.00" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1300WB	**300WB**		300B	300U[2]		B1300	B230	930DN
1300WU	**300WU**		300S	300U[1]		U1300	U230	930DB
1300WO	**300WO**		300U	300U[1]		T1300	T230	930DT
1300WX	**300WX**		300PH			VH1300	VH230	930DV
1300WX	**300WX**		300PL	300U[3]		VL1300	VL230	
1300WJ	**300WJ**					J1300	J230	930DJ
1300WJ	**300WJ**					J1300	J230	
Close Coupled "C" Flange Input (Quill)								
1300WBM	**300WBM**		300B-MQ	300C[2]		BMQ1300	BMQ230	930MDN
1300WUM	**300WUM**		300S-MQ	300C[1]		UMQ1300	UMQ230	930MDB
1300WOM	**300WOM**		300U-MQ	300C[1]		TMQ1300	TMQ230	930MDT
1300WXM	**300WXM**		300PH-MQ			VHMQ1300	VHMQ230	930MDV
1300WXM	**300WXM**		300PL-MQ	300C[3]		VLMQ1300	VLMQ230	
1300WJM	**300WJM**					JMQ1300	JMQ230	930MDJ
1300WJM	**300WJM**					JMQ1300	JMQ230	
"C" Flange Solid Shaft Input								
1300WBF	**300WBF**		300B-MC			BM1300	BM230	
1300WUF	**300WUF**		300S-MC			UM1300	UM230	
1300WOF	**300WOF**		300U-MC			TM1300	TM230	
1300WXF	**300WXF**		300PH-MC			VHM1300	VHM230	
1300WXF	**300WXF**		300PL-MC			VLM1300	VLM230	
1300WJF	**300WJF**					JM1300	JM230	
1300WJF	**300WJF**					JM1300	JM230	

3.25" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1325WB	**325WB**	732	325B	325U[2]	S350[1]	B1325[1]	B232	
1325WU	**325WU**	732A	325S	325U[1]	S350[1]	U1325[1]	U232	
1325WO	**325WO**	732B	325U	325U	S350[1]	T1325[1]	T232	
1325WX	**325WX**	732C	325PH			VH1325[1]	VH232	
1325WX	**325WX**	732D	325PL	325U[3]		VL1325[1]	VL232	
1325WJ	**325WJ**	732X				J1325[1]	J232	
1325WJ	**325WJ**	732Y				J1325[1]	J232	
Close Coupled "C" Flange Input (Quill)								
1325WBM	**325WBM**	F732	325B-MQ	325C[2]	350[1]	BMQ1325[1]	BMQ232	
1325WUM	**325WUM**	F732A	325S-MQ	325C[1]	350[1]	UMQ1325[1]	UMQ232	
1325WOM	**325WOM**	F732B	325U-MQ	325C	350[1]	TMQ1325[1]	TMQ232	
1325WXM	**325WXM**	F732C	325PH-MQ			VHMQ1325[1]	VHMQ232	
1325WXM	**325WXM**	F732D	325PL-MQ	325C[3]		VLMQ1325[1]	VLMQ232	
1325WJM	**325WJM**	F732X				JMQ1325[1]	JMQ232	
1325WJM	**325WJM**	F732Y				JMQ1325[1]	JMQ232	
"C" Flange Solid Shaft Input								
1325WBF	**325WBF**	RF732	325B-MC		S350[1]	BM1325[1]	BM232	
1325WUF	**325WUF**	RF732A	325S-MC		S350[1]	UM1325[1]	UM232	
1325WOF	**325WOF**	RF732B	325U-MC		S350[1]	TM1325[1]	TM232	
1325WXF	**325WXF**	RF732C	325PH-MC			VHM1325[1]	VHM232	
1325WXF	**325WXF**	RF732D	325PL-MC			VLM1325[1]	VLM232	
1325WJF	**325WJF**	RF732X				JM1325[1]	JM232	
1325WJF	**325WJF**	RF732Y				JM1325[1]	JM232	

1 See note under "Example" on Page 3.
2 See note under "Example" on Page 3.
3 See note under "Example" on Page 3.

4.25" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1425WB	**425WB**		425B			B1425	B242	
1425WU	**425WU**		425S[1]			U1425	U242	
1425WO	**425WO**		425U[1]			T1425	T242	
1425WX	**425WX**		425PH			VH1425	VH242	
1425WX	**425WX**		425PL			VL1425	VL242	
1425WJ	**425WJ**					J1425	J242	
1425WJ	**425WJ**					J1425	J242	
Close Coupled "C" Flange Input (Quill)								
1425WBM	**425WBM**		425B-MQ			BMQ1425	BMQ242	
1425WUM	**425WUM**		425S-MQ[1]			UMQ1425	UMQ242	
1425WOM	**425WOM**		425U-MQ[1]			TMQ1425	TMQ242	
1425WXM	**425WXM**		425PH-MQ			VHMQ1425	VHMQ242	
1425WXM	**425WXM**		425PL-MQ			VLMQ1425	VLMQ242	
1425WJM	**425WJM**					JMQ1425	JMQ242	
1425WJM	**425WJM**					JMQ1425	JMQ242	
"C" Flange Solid Shaft Input								
1425WBF	**425WBF**		425B-MC			BM1425	BM242	
1425WUF	**425WUF**		425S-MC[1]			UM1425	UM242	
1425WOF	**425WOF**		425U-MC[1]			TM1425	TM242	
1425WXF	**425WXF**		425PH-MC			VHM1425	VHM242	
1425WXF	**425WXF**		425PL-MC			VLM1425	VLM242	
1425WJF	**425WJF**					JM1425	JM242	
1425WJF	**425WJF**					JM1425	JM242	

5.25" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1525WB	**525WB**	752	525B	516U[2]		B1525	B252	
1525WU	**525WU**	752A	525S	516U[1]		U1525	U252	
1525WO	**525WO**	752B	525U[1]	516U		T1525	T252	
1525WX	**525WX**	752C	525PH			VH1525	VH252	
1525WX	**525WX**	752D	525PL	516U[3]		VL1525	VL252	
1525WJ	**525WJ**	752X				J1525	J252	
1525WJ	**525WJ**	752Y				J1525	J252	
Close Coupled "C" Flange Input (Quill)								
1525WBM	**525WBM**		525B-MQ	516C[2]		BMQ1525	BMQ252	
1525WUM	**525WUM**		525S-MQ	516C[1]		UMQ1525	UMQ252	
1525WOM	**525WOM**		525U-MQ[1]	516C		TMQ1525	TMQ252	
1525WXM	**525WXM**		525PH-MQ			VHMQ1525	VHMQ252	
1525WXM	**525WXM**		525PL-MQ	516C[3]		VLMQ1525	VLMQ252	
1525WJM	**525WJM**					JMQ1525	JMQ252	
1525WJM	**525WJM**					JMQ1525	JMQ252	
"C" Flange Solid Shaft Input								
1525WBF	**525WBF**	RF752	525B-MC			BM1525	BM252	
1525WUF	**525WUF**	RF752A	525S-MC			UM1525	UM252	
1525WOF	**525WOF**	RF752B	525U-MC[1]			TM1525	TM252	
1525WXF	**525WXF**	RF752C	525PH-MC			VHM1525	VHM252	
1525WXF	**525WXF**	RF752D	525PL-MC			VLM1525	VLM252	
1525WJF	**525WJF**	RF752X				JM1525	JM252	
1525WJF	**525WJF**	RF752Y				JM1525	JM252	

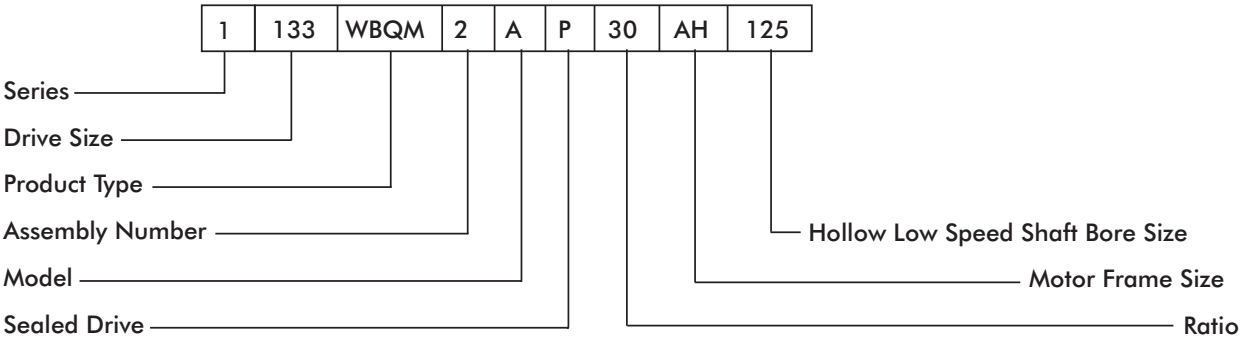
1 See note under "Example" on Page 3.
2 See note under "Example" on Page 3.
3 See note under "Example" on Page 3.

6.00" CENTER DISTANCE

FALK 1000 SERIES	FALK 100 SERIES	BOSTON	OHIO	BROWNING/ MORSE	TI-GEAR	GROVE 100 SERIES	GROVE 200 SERIES	WINSMITH D-SERIES
Solid Input Shaft								
1600WB	**600WB**	760				B1600	B2600	
1600WU	**600WU**	760A				U1600	U2600	
1600WO	**600WO**	760B				T1600	T2600	
1600WX	**600WX**	760C				VH1600	VH2600	
1600WX	**600WX**	760D				VL1600	VL2600	
1600WJ	**600WJ**					J1600	J2600	
1600WJ	**600WJ**					J1600	J2600	
Close Coupled "C" Flange Input (Quill)								
1600WBM	**600WBM**					BMQ1600	BMQ2600	
1600WUM	**600WUM**					UMQ1600	UMQ2600	
1600WOM	**600WOM**					TMQ1600	TMQ2600	
1600WXM	**600WXM**					VHMQ1600	VHMQ2600	
1600WXM	**600WXM**					VLMQ1600	VLMQ2600	
1600WJM	**600WJM**					JMQ1600	JMQ2600	
1600WJM	**600WJM**					JMQ1600	JMQ2600	
"C" Flange Solid Shaft Input								
1600WBF	**600WBF**	760				BM1600	BM2600	
1600WUF	**600WUF**	760A				UM1600	UM2600	
1600WOF	**600WOF**	760B				TM1600	TM2600	
1600WXF	**600WXF**	760C				VHM1600	VHM2600	
1600WXF	**600WXF**	760D				VLM1600	VLM2600	
1600WJF	**600WJF**					JM1600	JM2600	
1600WJF	**600WJF**					JM1600	JM2600	

Drive Nomenclature

FALK OMNIBOX — Worm Gear Drive



Drive Size (Shaft Centers)

1133 = 1.33	1262 = 2.62	1525 = 5.25
1154 = 1.54	1300 = 3.00	1600 = 6.00
1175 = 1.75	1325 = 3.25	1700 = 7.00
1206 = 2.06	1326 = 3.26	1800 = 8.00
1238 = 2.38	1425 = 4.25	11000 = 10.00

Product Type

Expressed 2 to 5 letters, including Primary Type, Output Shaft, and Motor Flange, as required.

WB — Basic drive without Feet (Single Reduction)
WU — Worm Under (Horizontal LSS)
WO — Worm Over (Horizontal LSS)
WX — Vertical Low Speed Shaft
WJ — Vertical High Speed Shaft (Horizontal LSS)
WL — Flange Mounted drive
WR — Extended Output Shaft

Primary/Type

H — Helical drives (Double Reduction)
W — Worm drives (Double Reduction)

Output Shaft

Q — Hollow Low Speed Shaft

Motor Flange

F — Flange Mounted Electric Motor with Coupling
M — Flange Mounted Electric Motor without Coupling (Hollow Input Shaft)

Assembly Number

See Individual Dimension Pages

Model

A, B, C, etc.
S — Modified or Special

Sealed Drive

P — Sealed Drive with Pressure Compensation System & Synthetic Lube.
- —Standard Drive (Not Sealed)

Ratio

Nominal Ratio Expressed 1 to 4 digits, as required

Motor Frame Size

NEMA Frame Sizes
AH — 48C
AA — 56C
AB — 140TC
AC — 180TC
AD — 210TC
AE — 250TC

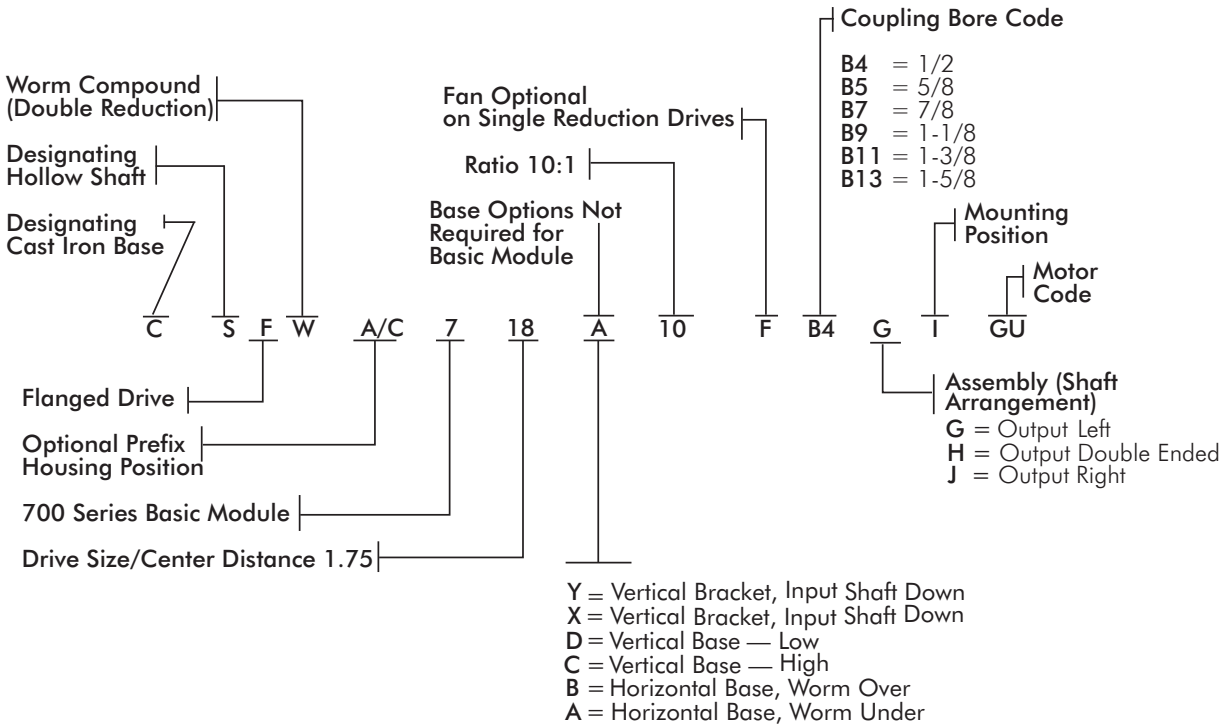
IEC Frame Sizes
GA — 63D
GB — 71D
GD — 80D
GF — 90D
GH — 100LD
GK — 112D
GM — 1 32D

Hollow Low Speed Shaft Bore Size

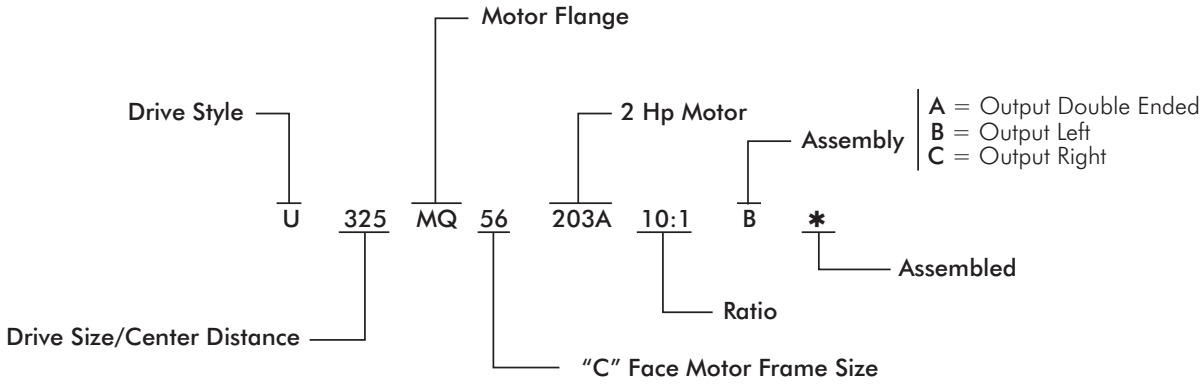
For Sizes 1133-1525, Output Shaft= "Q" Drives Only (Decimal Omitted)

Drive Nomenclature

BOSTON



OHIO GEAR

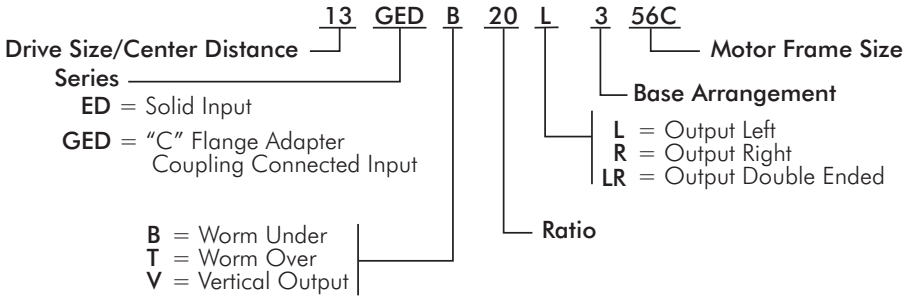


B	Basic Drive
*S	Horizontal Base Worm Under
*U	Horizontal Base Worm Over
*PL	Low Vertical Base
*PH	High Vertical Base
*MC	Motor Bell with Gear Coupling
*MQ	Motor Bell with Quill Mount
SM	Basic Drive, Shaft Mount
SMF	Basic Drive, Flange Mount with Hollow Shaft

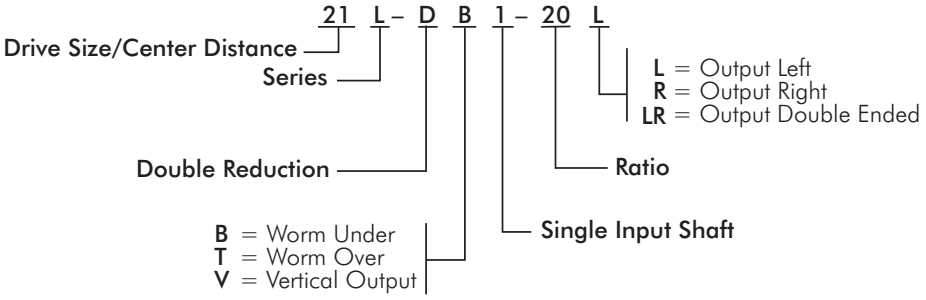
Drive Style	U
Drive Size	325
Motor Flange	MQ
C Face Motor Frame Size	56
2 Hp Motor	203A
Ratio	10:1
Assembly	B
Optional Components	*

Drive Nomenclature

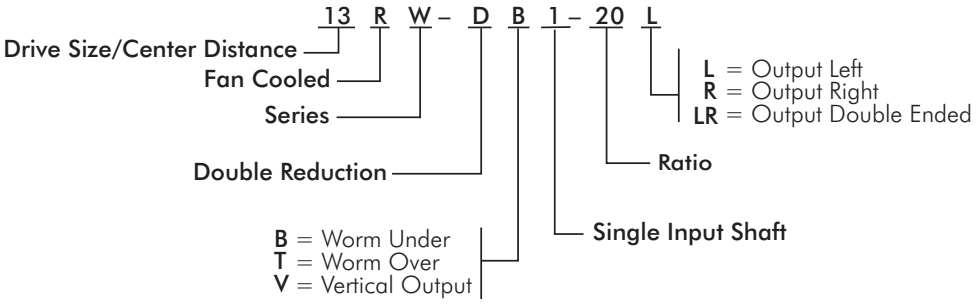
BROWNING/MORSE



L Series



W Series



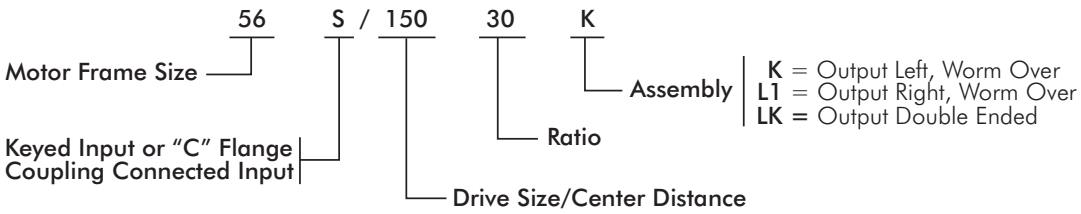
Part Number Configuration

Center Distance	Type of Input	C Face Size (if applicable)	O. P. Shaft Arrangement	Ratio
133	**Q**	**56**	**LR**	**30**
1.00″=100	U = Universal, Shaft in	42CZ/48C = 40	L = Left Output	5
1.33″=133	C = C Face Coupled	**56C = 56**	R = Right Output	10
1.54″=154	**Q = C Face Quilled**	143/145TC =140	**LR = Left & Right Output**	15
1.75″=175		182/184TC = 180	H = Hollow Output	20
2.06″=2.06		213/215T = 210		25
2.37″=237				**30**
2.62″=262				40
3.00″=300				50
3.25″=325				60
3.75″=375				
4.50″=450				
5.16″=516				
6.00″=600				

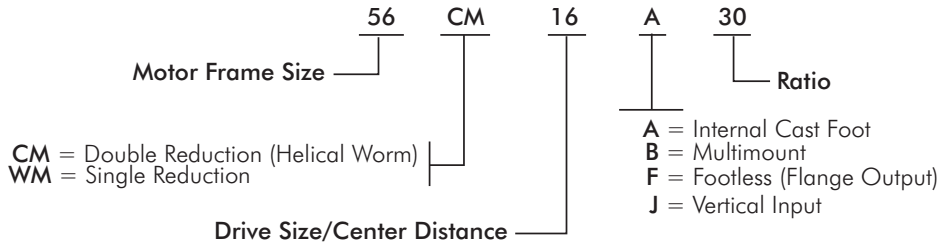
Drive Nomenclature

TI – GEAR

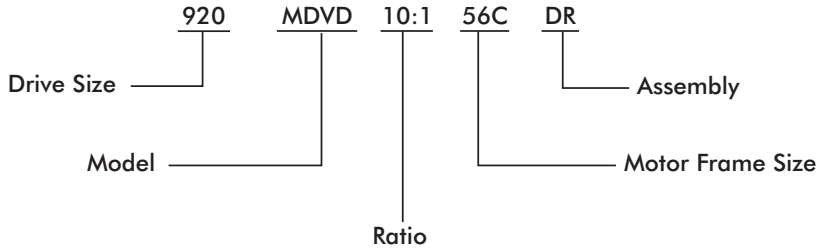
RELIANCE
TI-Gear Series



MASTER XL Series



WINSMITH



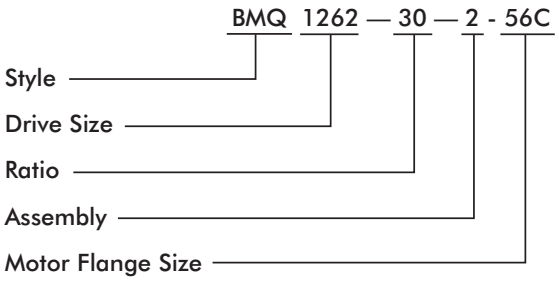
SYMBOL		EXAMPLE
913-935	Drive Size	**924**DV
B	Worm on Bottom	D**B**
C	C-Flange Adapter — Coupling Type	**C**DT
D (Prefix)	Worm Reducer Product Line	**D**T
D (Suffix)	Double Worm Reduction	DV**D**
E	Equalizer Option	DT**E**
F	Flange Mount (Output Shaft)	DS**F**
H	Hydraulic Motor Flange	**H**DV
J	Reducer Series — J Mount	D**J**
L	Reducer Series — Drop Bearing Type	D**L**
M	C-Flange Adapter — Hollow Worm Type	**M**DT
N	Drive less housing feet	MD**N**
R	Hollow Output Drive with Torque Reaction Arm	DS**R**
S	Reducer Series — Hollow Output Shaft	D**S**F
T	Worm on Top	D**T**
U	Reducer Series — Wingear	W**U**
V	Vertical Output Shaft	D**V**
W (Suffix)	Furnished with Motor (gear-motor)	MDT**W**
W (Prefix)	Reducer Series — Wingear	**W**T

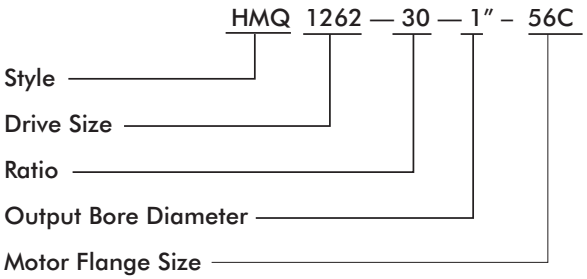
Drive Nomenclature

GROVE GEAR

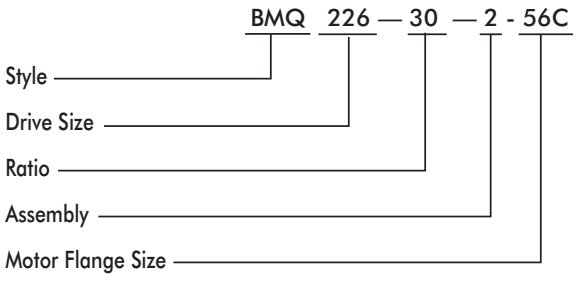
Flexaline Speed Reducer Nomenclature

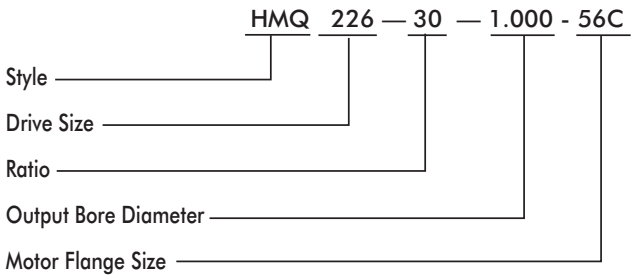
"100" Series





"200" Series





Style

B	–	Basic Drive
T	–	Drive with Horizontal Base Worm Above
U	–	Drive with Horizontal Base Worm Under
M	–	Drive with Flexible Coupled "Motor Flange"
MQ	–	Drive with Quill Type Motor "C"Flange
H	–	Drive with Hollow Output Shaft
F	–	Drive with Output Mounting Flange
C	–	Drive with Output "C"Face
R	–	Drive with Riser Block
J	–	Drive with "J" Mounting Brackets
VL	–	Drive with Vertical Low Mounting Brackets
VJ	–	Drive with Vertical High Mounting Brackets
VLH	–	Vertical Low Hollow
VHH	–	Vertical High Hollow
FE	–	Extended Bearing Design
D	–	Double Reduction Drive (Worm/Worm)
DX	–	Double Reduction Drive (Helical/Worm)
T	–	Triple Reduction Drives (Worm/Worm/Worm)

Drive Size

213	–	1-1/3" Center Distance
215	–	1-1/2" Center Distance
218	–	1-3/4" Center Distance
220	–	2-1/16" Center Distance
224	–	2-3/8" Center Distance
226	–	2-5/8" Center Distance
230	–	3" Center Distance
232	–	3-1/4" Center Distance
242	–	4-1/4" Center Distance
252	–	5-1/4" Center Distance
2600	–	6" Center Distance
2700	–	7" Center Distance
2800	–	8" Center Distance
21000	–	10" Center Distance

NEMA Motor Flange Size

48C, 56C, 143TC, 145TC, 182TC, 184TC, 213TC, 254TC, and 256TC

Metric Motor Flange Size

D63D, D71D, D80D, D90D, D100MD, D112LD, D132D

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