

Hub City™ Parallel Shaft Drives

Models 83L & 83S – Double Reduction

Features

- Rugged cast iron housing designed for rigid gear and bearing support.
- Alloy shafting and sleeves for greater strength.
- Ball bearings on all shafts.
- Choice of four (4) standard gear ratios.
- Heat treated alloy steel gearing for strength and long wear life.
- Heavy-duty industrial seals to keep lubricant in and dirt out.
- Shaft mount design for direct mounting on the drive shaft of equipment to be driven.
- Hub City lubricant recommended. (Refer to Section M)



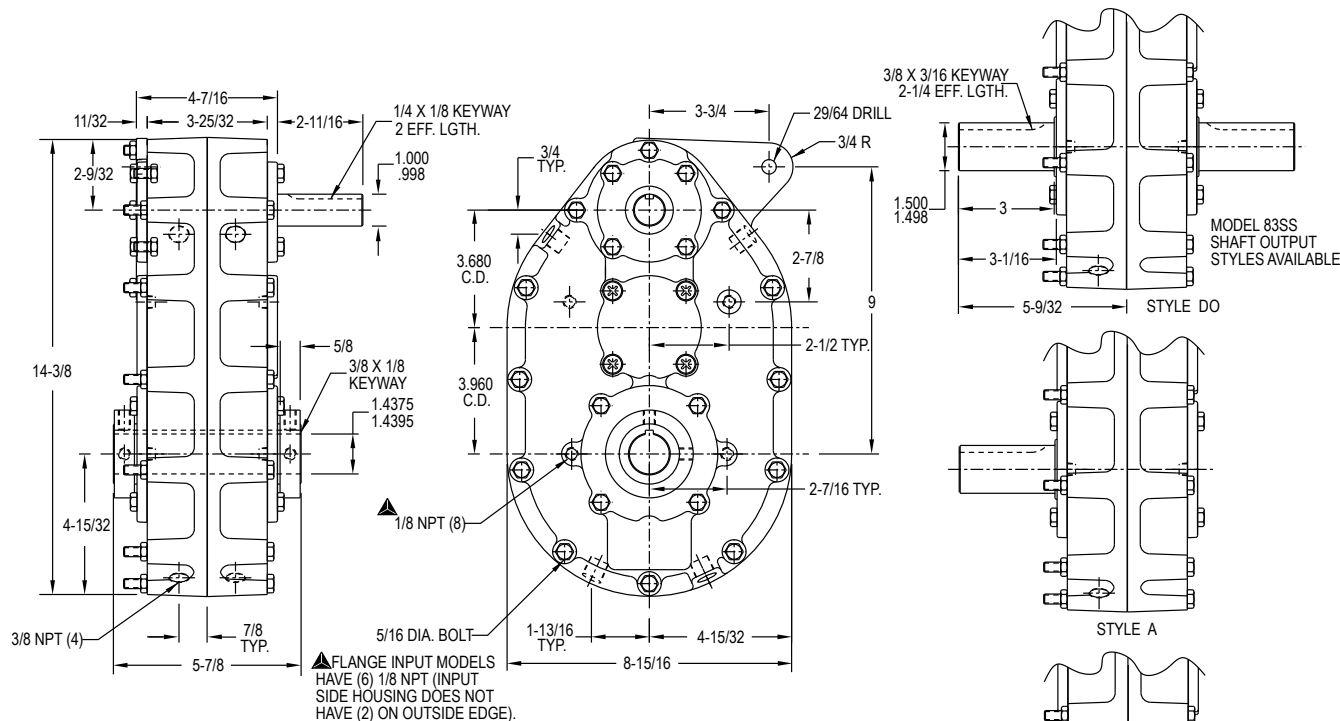
DOUBLE REDUCTION UNITS PROVIDE SAME DIRECTION OUTPUT ROTATION

Rating Table

INPUT RPM		RATIOS			
		6.09:1	8.14:1	12.47:1	19.37:1
1750	INPUT HORSEPOWER	17.8	14.0	9.8	7.0
	OUTPUT RPM	287	215	140	90
	OUTPUT TORQUE IN. LBS.	3833	4025	4318	4790
1150	INPUT HORSEPOWER	12.6	9.9	7.1	5.0
	OUTPUT RPM	189	141	92	59
	OUTPUT TORQUE IN. LBS.	4124	4308	4766	5782
850	INPUT HORSEPOWER	9.8	7.8	5.6	3.8
	OUTPUT RPM	140	104	68	44
	OUTPUT TORQUE IN. LBS.	4321	4597	5108	5418
690	INPUT HORSEPOWER	8.2	6.7	4.7	3.2
	OUTPUT RPM	113	85	55	36
	OUTPUT TORQUE IN. LBS.	4481	4872	5253	5502
100	INPUT HORSEPOWER	1.50	1.13	.74	.48
	OUTPUT RPM	16.4	12.3	8.0	5.2
	OUTPUT TORQUE IN. LBS.	5632	5677	5700	5700

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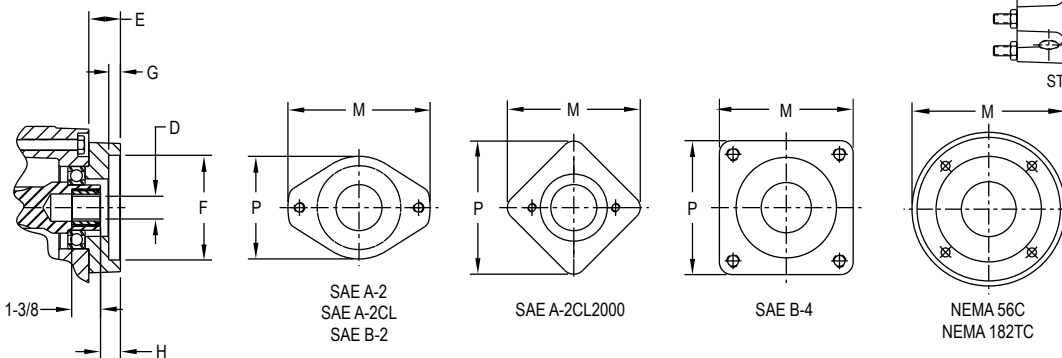


ADDITIONAL RATIOS, OUTPUT BORES AND INPUT BORES ARE AVAILABLE — CONSULT FACTORY.

SHAFT MOUNTED UNITS REQUIRE TORQUE ARMS. TORQUE ARM KITS ARE AVAILABLE SEE PAGE F-45.

OPTIONAL OUTPUT BORE: 1-1/4 WITH 1/4 X 1/8 KEYWAY

DRY SHIPPING WEIGHT 60 LBS.



SEE CHART FOR (QTY) J HOLES ON K B.C. FOR EACH FLANGE SIZE

OPTIONAL LOW SPEED BORE SIZES AVAILABLE
1", 1-1/8, 1-3/16, 1-1/4, 1-3/8, 1-1/2

INPUT BUSHING SIZES D			
.625 DIA. - 3/16 X 3/32 KW	1.125 DIA. - 1/4 X 1/8 KW	1" - 6B SPLINE	14T - 12/24 D.P. SPLINE
.875 DIA. - 3/16 X 3/32 KW	1.250 DIA. - 1/4 X 1/8 KW	9T - 16/32 D.P. SPLINE	15T - 16/32 D.P. SPLINE
1.000 DIA. - 1/4 X 1/8 KW	1.250 DIA. - 5/16 X 1/8 KW	13T - 16/32 D.P. SPLINE	21T - 16/32 D.P. SPLINE

FLANGE	E	COUNTERBORE F	G	H	(QTY) J HOLES	B.C. DIA. K	M	P
A-2	1-7/16	3.251 / 3.253	5/16	7/16	(2) 3/8 NC	4-3/16	5-1/8	4-1/16
A-2CL	1-7/16	3.251 / 3.253	3/16	7/16	(2) 1/2 NC	4-3/16	5-1/8	4-1/16
A-2CL2000	1-13/16	3.251 / 3.253	13/32	51/64	(2) 1/2 NC	4-3/16	5-1/2	5-1/2
B-2	1-7/16	4.001 / 4.003	7/16	7/16	(2) 1/2 NC	5-3/4	6-7/8	5-1/4
B-4	1-7/16	4.001 / 4.003	7/16	7/16	(4) 1/2 NC	5	5-1/8	5-1/8
56C	1-5/8	4.502 / 4.504	5/16	5/8	(4) 13/32 DIA.	5-7/8	6-9/16	-
182TC	2-7/16	8.502 / 8.505	5/16	1-7/16	(4) 17/32 DIA.	7-1/4	9-1/8	-

FOR LUBRICATION AND INSTALLATION INSTRUCTIONS - REFER TO SECTION M.

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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