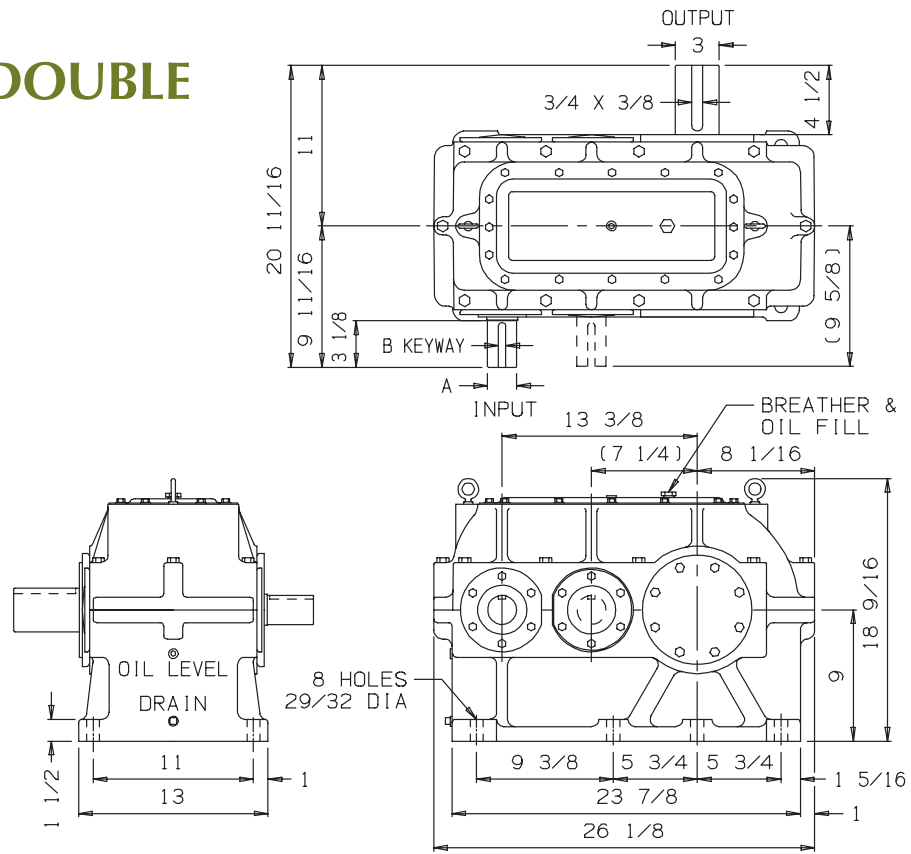


# SINGLE AND DOUBLE REDUCTION BASE TYPE GEAR DRIVES



Average Shipping Weight: 475 lbs.

MODEL	RATIO <sup>2</sup>	REDUCTION <sup>3</sup>	RATINGS <sup>1</sup>					GEARBOX <sup>5</sup> INERTIA (LB-FT <sup>2</sup> )	DIA. A (INCHES)	KEYWAY B
			OUTPUT (RPM)	INPUT HORSEPOWER	OUTPUT TORQUE (IN-LB)	INPUT SHAFT <sup>4</sup> OVERHUNG LOAD CAPACITY (LBS)	OUTPUT SHAFT <sup>4</sup> OVERHUNG LOAD CAPACITY (LBS)			
85055S <sup>6</sup>	5.529	SINGLE	316	197.0 <sup>7</sup>	39,200	1120	6430	.42	1 7/8	1/2
85058 <sup>6</sup>	5.789	DOUBLE	302	201.0 <sup>7</sup>	42,000	1120	6430	1.43	2	1/2
8513	13.034	DOUBLE	134	89.5 <sup>7</sup>	42,000	1120	6430	.24	2	1/2
8515	15.238	DOUBLE	115	76.5 <sup>7</sup>	42,000	1120	6430	.20	2	1/2
8518	17.893	DOUBLE	98	64.6	41,600	1120	6430	.17	2	1/2
8520	19.722	DOUBLE	89	56.6	40,200	1120	6430	.16	1 1/2	3/8
8524	24.457	DOUBLE	72	47.6	41,900	930	6430	.14	2	1/2
8526	26.191	DOUBLE	67	44.4	41,900	930	6430	.13	1 1/2	3/8
8527	26.956	DOUBLE	65	43.2	41,900	690	6430	.12	1 1/2	3/8
8530	29.909	DOUBLE	58	39.0	42,000	690	6430	.12	1 1/2	3/8
85334	33.453	DOUBLE	52	34.9	42,000	690	6430	.11	1 1/2	3/8
8535	35.319	DOUBLE	50	31.5	40,100	690	6430	.11	1 1/4	1/4
8540	40.332	DOUBLE	43	28.7	42,000	690	6430	.11	1 1/4	1/4

**NOTES**

- Horsepower, torque, output speed and overhung load capacities based on 1750 rpm input speed and 1.00 Service Factor.
- Non-standard ratios available. Consult Dorris Company if desired ratio is not shown.
- Single reduction high speed shaft dimensions shown in parentheses ( ).
- Overhung load is measured at the midpoint of the key for the input and output shafts respectively.
- Measured at the input shaft.
- If a backstop is required consult Dorris Company for backstop torque capacity as it is less than the output torque rating shown.
- Consult Dorris Company for thermal capacity in your application.