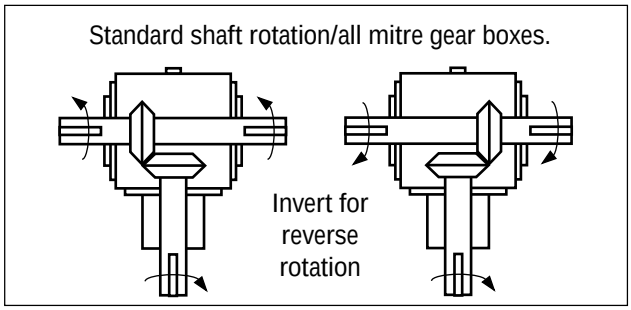
Lightweight Aluminum Models
AD-3, AD-4 & AD-5

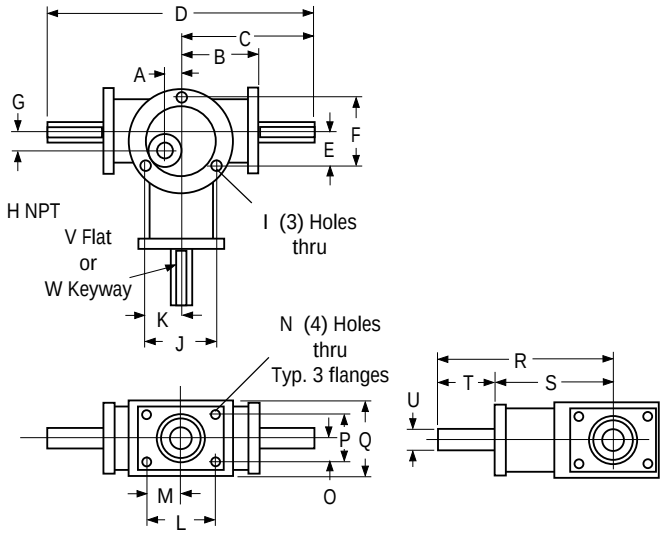
Features:

- **Lightweight aluminum housing** resists corrosion and provides rigid gear and bearing support.
- **Stainless steel shafts** provide resistance to corrosion.
- **Precision ball bearings** accommodate higher operating speeds.
- **Spiral bevel gearing** assures low noise level at higher operating speeds.
- **Factory lubricated for life** to assure trouble free service.
- **Universal mounting** (5 surfaces) for maximum design flexibility.

Standard Units

Standard units may be inverted to reverse rotation. Input shaft can be rotated in either direction. Other styles and ratios are available upon request.





Rating Table - Selected by Torque

Model No.	Order No.	Ratio	Output Torque Rating @ 1140 RPM	Input H.P @ 1140 RPM	Output Torque Rating @ 1725 RPM	Input H.P @ 1725 RPM	Shipping wt. (lbs.)
AD-3	21580	1:1	194	3.5	189	5.2	8.25
AD-4	21574	1:1	33	0.6	32	0.9	.50
AD-5	21575	1:1	80	1.4	78	2.1	2

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T*	U*	V* Flat	W*
AD-3	0.8	3.00	5.00	10.00	1.50	3.000	.88	1/4	0.320	3.000	1.50	3.000	1.50	0.328	1.125	2.250	3.005 3.000	7.00	5.00	2.00	0.750 0.749	-	3/64 x 3/32
AD-4	0	1.385	1.975	3.947	0.656	1.312	.44	1/8	0.193	1.312	0.656	1.188	0.594	0.171	0.438	0.876	1.255 1.250	2.755	2.165	0.590	0.375 0.374	1/32 deep	-
AD-5	0.5	2.125	3.625	7.250	0.937	1.875	.50	1/8	0.265	1.875	0.937	1.875	0.937	0.265	0.687	1.375	2.005 2.000	4.750	3.250	1.500	0.625 0.624		3/16 x 3/32

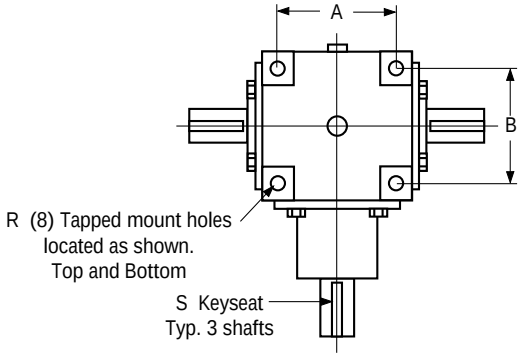
* Identical for all 3 shafts.

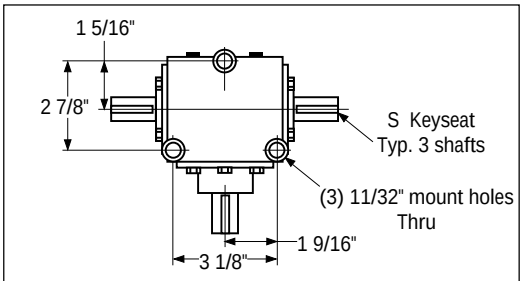
MITRE GEAR BOXES

Heavy Duty Models with Rugged Iron Housings

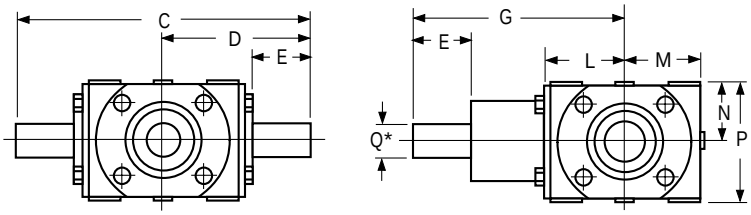
Features:

- **Rugged iron housing** designed for rigid gear and bearing support.
- **Tapered roller bearings** for endurance and strength.
- **Double lip, spring loaded seals** to keep lubricant in, keep dirt out.
- **Universal mounting** assures maximum design flexibility.
- **Spiral bevel gearing** for lower noise level and higher input speeds. (All models except M2)
- Use ISO 220 viscosity lube oil.





Mounting Hole Detail (Model M2 Only)



Model No.	Order No.	Ratio	Output Torque @1140 RPM	Input HP @1140 RPM	Max. Approvd. Input RPM	Output Torq. @1725 RPM	Input HP @1725 RPM	A	B	C	D	E*	G	L	M	N	P	Q*	R	S* Keyseat
M2	21600	1:1	83	1.5	2400	81	2.2	-	-	7 1/2	3 3/4	1 1/2	4 9/16	2 1/4	1 47/64	1 19/32	3 3/16	0.625 0.624	-	3/16 X 3/32 X 1 5/32
150	21701	1:1	600	11	3000	580	16	4 1/4	4 1/4	10 3/16	5 3/32	2	5 23/32	2 27/32	2 9/16	2 1/16	4 1/8	1.000 0.999	3/8 NC	1/4 X 1/8 X 1 17/32
66	21751	1:1	1670	30	2400	1650	46	4 1/2	4 1/2	12 1/4	6 1/8	2 1/2	8 15/32	3 7/16	2 15/16	2 13/16	5 5/8	1.251 1.250	1/2 NC	1/4 X 1/8 X 1 25/32
88	21851	1:1	3450	63	1725	3240	90	6 1/2	6 1/2	15 13/16	7 29/32	3	10 7/8	4 17/32	3 27/32	4 3/32	8 3/16	1.376 1.375	1/2 NC	5/16 X 5/32 X 2 5/16
800	21901	1:1	4930	90	1725	4750	132	6 1/2	6 1/2	16 3/32	8 3/64	3 1/16	11 15/32	4 19/32	3 27/32	4 3/32	8 3/16	1.499	1/2 NC	3/8 X 3/16 X 2 1/4
1010	21955	1:1	9481	170	1725	9039	250	8	8	21 1/2	10 3/4	4	15	5 1/4	4 3/4	4 3/4	9 1/2	2.000 1.998	1/2 NC	1/2 X 1/4 X 3 3/4

* Identical for all 3 shafts.

Torque ratings are mechanical, based upon continuous duty service. Output capacity is higher for intermittent duty (contact factory).

Units Shipped Dry - Shipping Weights (lbs.): 9, 25, 48, 88, 115 & 175 respectively.