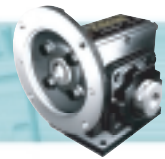


DOUBLE REDUCTION

With Mobil Glygoyle 460 Lubricant



CENTER DISTANCE DOUBLE WORM HELICAL WORM		PRIMARY 1.333 N/A	SECONDARY 1.750 N/A	HORSEPOWER AND TORQUE RATINGS								OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)		
OVERALL RATIO ¹	PRIMARY RATIO ¹	SECONDARY RATIO ¹	INPUT RPM ²	OUTPUT RPM	MECHANICAL								ALL SHAFT INPUT MODELS	OUTPUT SHAFT ^{5,6}		OUTPUT SHAFT ⁶	
					1.00 SERVICE FACTOR		1.25 SERVICE FACTOR		1.50 SERVICE FACTOR		SOLID ³ SHAFT (e.g. MDND)	HOLLOW ⁴ SHAFT (e.g. MDSD)		SOLID SHAFT (e.g. MDND)	HOLLOW SHAFT (e.g. MDSD)		
					INPUT HP	OUTPUT TORQUE (lbf-in.)	EFF	INPUT HP	OUTPUT TORQUE (lbf-in.)	INPUT HP						OUTPUT TORQUE (lbf-in.)	
50(D)	10	5	2500	50.0	0.689	762	88	0.551	610	0.459	508	125	572	1265	615	823	
			1750	35.0	0.487	781	89	0.390	625	0.325	521						
			1160	23.2	0.328	797	89	0.262	638	0.219	531						
			870	17.4	0.248	805	90	0.198	644	0.165	537						
			600	12.0	0.173	812	89	0.138	650	0.115	541						
			300	6.0	0.088	820	89	0.070	656	0.059	547						
			100	2.0	0.03	825	88	0.024	660	0.020	550						
75(D)	5	15	2500	33.3	0.36	564	83	0.288	451	0.240	376	136	650	1345	894	1310	
			1750	23.3	0.258	593	85	0.206	474	0.172	395						
			1160	15.5	0.167	589	86	0.134	471	0.111	393						
			870	11.6	0.127	596	87	0.102	477	0.085	397						
			600	8.0	0.089	603	86	0.071	482	0.059	402						
			300	4.0	0.046	611	85	0.037	489	0.031	407						
			100	1.3	0.015	616	84	0.012	493	0.010	411						
100(D)	5	20	2500	25.0	0.307	632	82	0.246	506	0.205	421	136	650	1345	894	1440	
			1750	17.5	0.221	671	84	0.177	537	0.147	447						
			1160	11.6	0.138	638	85	0.110	510	0.092	425						
			870	8.7	0.105	652	85	0.084	522	0.070	435						
			600	6.0	0.075	665	84	0.060	532	0.050	443						
			300	3.0	0.037	652	84	0.030	522	0.025	435						
			100	1.0	0.013	657	83	0.010	526	0.009	438						
150(D)	10	15	2500	16.7	0.194	587	80	0.155	470	0.129	391	125	650	1345	894	1310	
			1750	11.7	0.135	596	81	0.108	477	0.090	397						
			1160	7.7	0.091	603	82	0.073	482	0.061	402						
			870	5.8	0.068	607	82	0.054	486	0.045	405						
			600	4.0	0.047	611	82	0.038	489	0.031	407						
			300	2.0	0.023	615	83	0.018	492	0.015	410						
			100	0.7	0.008	617	82	0.006	494	0.005	411						

1. Exact ratio.
 2. If input speed is below 1160 RPM, please specify speed and mounting position to ensure proper lubrication.
 3. Overhung load given at a distance equal to one shaft diameter from the face of the output seal.
 4. Overhung load is based on maximum bore size. Use of smaller driven shaft diameter may limit OHL capacity.

5. Overhung loads are based on the output shaft and output bearing capacities only. Check Overhung Load Section for other considerations.
 6. Overhung load and thrust load ratings are computed independent of each other. For combined load applications, contact WinSmith.

Ratings





DOUBLE REDUCTION

With Mobil Glygoyle 460 Lubricant

REDUCER SIZE

E17

CENTER DISTANCE DOUBLE WORM HELICAL WORM		PRIMARY 1.333 N/A	SECONDARY 1.750 N/A	HORSEPOWER AND TORQUE RATINGS								OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)		
OVERALL RATIO ¹	PRIMARY RATIO ¹	SECONDARY RATIO ¹	INPUT RPM ²	OUTPUT RPM	MECHANICAL								ALL SHAFT INPUT MODELS	SOLID ³ SHAFT (e.g. MDND)	HOLLOW ⁴ SHAFT (e.g. MDSD)	OUTPUT SHAFT ⁶	
					1.00 SERVICE FACTOR			1.25 SERVICE FACTOR			1.50 SERVICE FACTOR					SOLID SHAFT (e.g. MDND)	HOLLOW SHAFT (e.g. MDSD)
					INPUT HP	OUTPUT TORQUE (lb·in.)	EFF	INPUT HP	OUTPUT TORQUE (lb·in.)	INPUT HP	OUTPUT TORQUE (lb·in.)						
200(D)	10	20	2500	12.5	0.16	633	79	0.128	506	0.107	422	125	650	1345	894	1440	
			1750	8.8	0.113	652	80	0.090	522	0.075	435						
			1160	5.8	0.076	666	80	0.061	533	0.051	444						
			870	4.4	0.056	648	80	0.045	518	0.037	432						
			600	3.0	0.038	652	81	0.030	522	0.025	435						
			300	1.5	0.019	655	82	0.015	524	0.013	437						
100	0.5	0.006	658	81	0.005	526	0.004	439									
300(D)	20	15	2500	8.3	0.113	602	70	0.090	482	0.075	401	100	650	1345	894	1310	
			1750	5.8	0.078	607	72	0.062	486	0.052	405						
			1160	3.9	0.051	611	74	0.041	489	0.034	407						
			870	2.9	0.037	613	75	0.030	490	0.025	409						
			600	2.0	0.025	615	77	0.020	492	0.017	410						
			300	1.0	0.012	617	78	0.010	494	0.008	411						
100	0.3	0.004	618	78	0.003	494	0.003	412									
500(D)	25	20	2500	5.0	0.077	646	66	0.062	517	0.051	431	100	650	1345	894	1440	
			1750	3.5	0.053	650	68	0.042	520	0.035	433						
			1160	2.3	0.034	653	72	0.027	522	0.023	435						
			870	1.7	0.025	655	73	0.020	524	0.017	437						
			600	1.2	0.017	656	75	0.014	525	0.011	437						
			300	0.6	0.008	658	77	0.006	526	0.005	439						
100	0.2	0.003	659	75	0.002	527	0.002	439									
750(D)	25	30	2500	3.3	0.055	655	63	0.044	524	0.037	437	100	650	1345	894	1440	
			1750	2.3	0.037	659	66	0.030	527	0.025	439						
			1160	1.6	0.024	662	69	0.019	530	0.016	441						
			870	1.2	0.017	664	70	0.014	531	0.011	443						
			600	0.8	0.012	665	72	0.010	532	0.008	443						
			300	0.4	0.006	667	74	0.005	534	0.004	445						
100	0.1	0.002	668	73	0.002	534	0.001	445									

- Exact ratio.
- If input speed is below 1160 RPM, please specify speed and mounting position to ensure proper lubrication.
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- Overhung loads are based on the output shaft and output bearing capacities only. Check Overhung Load Section for other considerations.
- Overhung load and thrust load ratings are computed independent of each other. For combined load applications, contact Winsmith.

Ratings

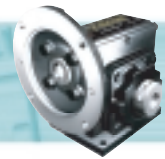


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DOUBLE REDUCTION

With Mobil Glygoyle 460 Lubricant



CENTER DISTANCE DOUBLE WORM HELICAL WORM		PRIMARY 1.333 N/A	SECONDARY 1.750 N/A	HORSEPOWER AND TORQUE RATINGS								OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)		
OVERALL RATIO ¹	PRIMARY RATIO ¹	SECONDARY RATIO ¹	INPUT RPM ²	OUTPUT RPM	MECHANICAL								ALL SHAFT INPUT MODELS	OUTPUT SHAFT ^{5,6}		OUTPUT SHAFT ⁶	
					1.00 SERVICE FACTOR		1.25 SERVICE FACTOR		1.50 SERVICE FACTOR		SOLID ³ SHAFT (e.g. MDND)	HOLLOW ⁴ SHAFT (e.g. MDSD)		SOLID SHAFT (e.g. MDND)	HOLLOW SHAFT (e.g. MDSD)		
					INPUT HP	OUTPUT TORQUE (lbf-in.)	EFF	INPUT HP	OUTPUT TORQUE (lbf-in.)	INPUT HP						OUTPUT TORQUE (lbf-in.)	
1000(D)	50	20	2500	2.5	0.052	653	50	0.042	522	0.035	435	100	650	1345	894	1440	
			1750	1.8	0.033	655	55	0.026	524	0.022	437						
			1160	1.2	0.02	656	59	0.016	525	0.013	437						
			870	0.9	0.015	657	62	0.012	526	0.010	438						
			600	0.6	0.01	658	64	0.008	526	0.007	439						
			300	0.3	0.005	659	67	0.004	527	0.003	439						
			100	0.1	0.002	659	67	0.002	527	0.001	439						
1500(D)	50	30	2500	1.7	0.032	662	55	0.026	530	0.021	441	100	650	1345	894	1440	
			1750	1.2	0.022	664	56	0.018	531	0.015	443						
			1160	0.8	0.014	666	57	0.011	533	0.009	444						
			870	0.6	0.011	666	58	0.009	533	0.007	444						
			600	0.4	0.007	667	58	0.006	534	0.005	445						
			300	0.2	0.004	668	59	0.003	534	0.003	445						
			100	–	0.001	668	59	0.001	534	0.001	445						
2000(D)	50	40	2500	1.3	0.031	725	47	0.025	580	0.021	483	100	650	1345	894	1440	
			1750	0.9	0.02	727	52	0.016	582	0.013	485						
			1160	0.6	0.012	729	56	0.010	583	0.008	486						
			870	0.4	0.009	730	58	0.007	584	0.006	487						
			600	0.3	0.006	731	61	0.005	585	0.004	487						
			300	0.2	0.003	731	64	0.002	585	0.002	487						
			100	–	0.001	732	64	0.001	586	0.001	488						
3000(D)	60	50	2500	0.8	0.022	703	43	0.018	562	0.015	469	115	650	1345	894	1440	
			1750	0.6	0.015	749	47	0.012	599	0.010	499						
			1160	0.4	0.009	762	52	0.007	610	0.006	508						
			870	0.3	0.006	763	54	0.005	610	0.004	509						
			600	0.2	0.004	763	56	0.003	610	0.003	509						
			300	0.1	0.002	764	59	0.002	611	0.001	509						
			100	–	0.001	765	59	0.001	612	0.001	510						

1. Exact ratio.
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Ratings





DOUBLE REDUCTION

With Mobil Glygoyle 460 Lubricant

REDUCER SIZE

E17

CENTER DISTANCE DOUBLE WORM HELICAL WORM		PRIMARY 1.333 N/A	SECONDARY 1.750 N/A	HORSEPOWER AND TORQUE RATINGS								OVERHUNG LOAD CAPACITIES (lb)			THRUST LOAD CAPACITIES (lb)		
OVERALL RATIO ¹	PRIMARY RATIO ¹	SECONDARY RATIO ¹	INPUT RPM ²	OUTPUT RPM	MECHANICAL								ALL SHAFT INPUT MODELS	SOLID ³ SHAFT (e.g. MDND)	HOLLOW ⁴ SHAFT (e.g. MDSD)	OUTPUT SHAFT ⁶	
					1.00 SERVICE FACTOR		1.25 SERVICE FACTOR		1.50 SERVICE FACTOR		SOLID SHAFT (e.g. MDND)	HOLLOW SHAFT (e.g. MDSD)					
					INPUT HP	OUTPUT TORQUE (lbf-in.)	EFF	INPUT HP	OUTPUT TORQUE (lbf-in.)	INPUT HP						OUTPUT TORQUE (lbf-in.)	
3600(D)	60	60	2500	0.7	0.015	540	40	0.012	432	0.010	360	115	650	1345	894	1440	
			1750	0.5	0.01	581	45	0.008	465	0.007	387						
			1160	0.3	0.006	591	49	0.005	473	0.004	394						
			870	0.2	0.004	594	52	0.003	475	0.003	396						
			600	0.2	0.003	598	54	0.002	478	0.002	399						
			300	0.1	0.001	605	57	0.001	484	0.001	403						
100	-	0	608	57	0.000	486	0.000	405									
4150(D)	50	83	2500	0.6	0.011	421	38	0.009	337	0.007	281	100	650	1345	894	1440	
			1750	0.4	0.007	422	42	0.006	338	0.005	281						
			1160	0.3	0.004	427	46	0.003	342	0.003	285						
			870	0.2	0.003	432	48	0.002	346	0.002	288						
			600	0.1	0.002	437	51	0.002	350	0.001	291						
			300	0.1	0.001	442	54	0.001	354	0.001	295						
100	-	0	447	55	0.000	358	0.000	298									
4980(D)	60	83	2500	0.5	0.01	422	35	0.008	338	0.007	281	115	650	1345	894	1440	
			1750	0.4	0.006	423	39	0.005	338	0.004	282						
			1160	0.2	0.004	430	44	0.003	344	0.003	287						
			870	0.2	0.003	435	46	0.002	348	0.002	290						
			600	0.1	0.002	440	48	0.002	352	0.001	293						
			300	0.1	0.001	444	52	0.001	355	0.001	296						
100	-	0	447	52	0.000	358	0.000	298									
6000(D)	60	100	2500	0.4	0.006	303	32	0.005	242	0.004	202	115	650	1345	894	1440	
			1750	0.3	0.004	303	36	0.003	242	0.003	202						
			1160	0.2	0.002	304	40	0.002	243	0.001	203						
			870	0.2	0.002	304	43	0.002	243	0.001	203						
			600	0.1	0.001	304	45	0.001	243	0.001	203						
			300	0.1	0	304	49	0.000	243	0.000	203						
100	-	0	305	50	0.000	244	0.000	203									

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