

# MTW MULTI-TURN WORM GEARBOX SIZING CHART

Output torque (motorised)*			Unit size	Nom ratio	Max input torque			Mech advan- tage	Exact ratio	Max hub bore		Approx weight kg
lbsin	lbsft	Nm			lbsin	lbsft	Nm			mm	ins	
6300	525	712	MTW3	40	420	35	47	15	40.00	45	1¾	10.5
6300	525	712	MTW3	70	274	23	31	23	70.00	45	1¾	10.5
15600	1300	1763	MTW4	40	1040	87	118	15	40.00	64	2½	22.0
15600	1300	1763	MTW4	70	678	57	77	23	70.00	64	2½	22.0
15600	1300	1763	MTW4	80	538	45	61	29	80.00	64	2½	30.0
16800	1400	1898	MTW4	120	391	33	44	43	120.00	64	2½	30.0
16800	1400	1898	MTW4	140	382	32	43	44	140.00	64	2½	30.0
16800	1400	1898	MTW4	160	295	25	33	57	160.00	64	2½	30.0
16800	1400	1898	MTW4	200	237	20	27	71	202.67	64	2½	35.0
17400	1450	1966	MTW4	210	264	22	30	66	210.00	64	2½	30.0
17400	1450	1966	MTW4	240	202	17	23	86	240.00	64	2½	35.0
17400	1450	1966	MTW4	280	198	16	22	88	280.00	64	2½	30.0
17400	1450	1966	MTW4	350	158	13	18	110	354.67	64	2½	35.0
17400	1450	1966	MTW4	420	132	11	15	132	420.00	64	2½	35.0
25200	2100	2847	MTW5	40	1482	124	167	17	40.00	76	3	45.0
25200	2100	2847	MTW5	70	1096	91	124	23	70.00	76	3	45.0
27600	2300	3118	MTW5	80	863	72	97	32	80.00	76	3	53.0
27600	2300	3118	MTW5	120	575	48	65	48	120.00	76	3	53.0
27600	2300	3118	MTW5	140	627	52	71	44	140.00	76	3	53.0
27600	2300	3118	MTW5	160	425	35	48	65	160.00	76	3	53.0
27600	2300	3118	MTW5	200	341	28	38	81	202.67	76	3	58.0
27600	2300	3118	MTW5	210	418	35	47	66	210.00	76	3	53.0
27600	2300	3118	MTW5	240	285	24	32	97	240.00	76	3	58.0
27600	2300	3118	MTW5	280	314	26	35	88	280.00	76	3	53.0
27600	2300	3118	MTW5	350	251	21	28	110	354.67	76	3	58.0
27600	2300	3118	MTW5	420	209	17	24	132	420.00	76	3	58.0
60000	5000	6779	MTW6	70	2609	217	295	23	70.00	102	4	68.0
68400	5700	7728	MTW6	140	1555	130	176	44	140.00	102	4	79.0
68400	5700	7728	MTW6	210	1036	86	117	66	210.00	102	4	79.0
73200	6100	8270	MTW6	280	832	69	94	88	280.00	102	4	79.0
73200	6100	8270	MTW6	350	665	55	75	110	354.67	102	4	84.0
73200	6100	8270	MTW6	420	555	46	63	132	420.00	102	4	84.0
96000	8000	10846	MTW7	60	3840	320	434	25	60.00	127	5	120
96000	8000	10846	MTW7	120	2000	167	226	48	120.00	127	5	152
96000	8000	10846	MTW7	180	1352	113	153	71	180.00	127	5	152
108000	9000	12202	MTW7	240	1137	95	128	95	240.00	127	5	152
108000	9000	12202	MTW7	360	761	63	86	142	360.00	127	5	152
108000	9000	12202	MTW7	480	571	48	65	189	473.68	127	5	162
108000	9000	12202	MTW7	540	505	42	57	214	536.47	127	5	162
108000	9000	12202	MTW7	720	379	32	43	285	720.00	127	5	162

**\* For handwind only**

The rated output torques can be increased by 1.5 for derivatives of 40:1 ratios and by 1.3 for derivatives of 60:1 and 70:1 ratios.

**MTW MULTI-TURN WORM GEARBOX SIZING CHART**

Output torque (motorised)*			Unit size	Nom ratio	Max input torque			Mech advantage	Exact ratio	Max hub bore		Approx weight kg
lbsin	lbsft	Nm			lbsin	lbsft	Nm			mm	ins	
180000	15000	20337	MTW8	60	7200	600	813	25	60	153	6	180
192000	16000	21693	MTW8	120	4000	333	452	48	120	153	6	212
192000	16000	21693	MTW8	180	2704	225	306	71	180	153	6	212
192000	16000	21693	MTW8	240	2021	168	228	95	240	153	6	212
192000	16000	21693	MTW8	360	1352	113	153	142	360	153	6	212
192000	16000	21693	MTW8	480	1016	85	115	189	473.68	153	6	222
192000	16000	21693	MTW8	540	897	75	101	214	536.47	153	6	222
192000	16000	21693	MTW8	720	674	56	76	285	720	153	6	222
348000	29000	39318	MTW9	60	13920	1160	1573	25	60	178	7	220
348000	29000	39318	MTW9	180	4901	408	554	71	180	178	7	290
348000	29000	39318	MTW9	240	3663	305	414	95	240	178	7	290
348000	29000	39318	MTW9	360	2451	204	277	142	360	178	7	290
348000	29000	39318	MTW9	540	1626	136	184	214	540	178	7	290
348000	29000	39318	MTW9	720	1221	102	138	285	720	178	7	290
372000	31000	42030	MTW9	960	979	82	111	380	960	178	7	290
372000	31000	42030	MTW9	1080	869	72	98	428	1080	178	7	290
372000	31000	42030	MTW9	1440	653	54	74	570	1440	178	7	290
372000	31000	42030	MTW9	2160	435	36	49	855	2160	178	7	290
372000	31000	42030	MTW9	2347	425	35	48	875	2347.1	178	7	290
372000	31000	42030	MTW9	2520	413	34	47	900	2520	178	7	290
372000	31000	42030	MTW9	2940	338	28	38	1100	2940	178	7	290
462000	38500	52198	MTW10	60	18480	1540	2088	25	60	203	8	330
462000	38500	52198	MTW10	180	6507	542	735	71	180	203	8	408
462000	38500	52198	MTW10	240	4863	405	549	95	240	203	8	408
462000	38500	52198	MTW10	360	3254	271	368	142	360	203	8	408
462000	38500	52198	MTW10	540	2159	180	244	214	540	203	8	408
462000	38500	52198	MTW10	720	1621	135	183	285	720	203	8	408
480000	40000	54232	MTW10	960	1263	105	143	380	960	203	8	408
480000	40000	54232	MTW10	1080	1121	93	127	428	1080	203	8	408
480000	40000	54232	MTW10	1440	842	70	95	570	1440	203	8	408
480000	40000	54232	MTW10	2160	561	47	63	855	2160	203	8	408
480000	40000	54232	MTW10	2347	549	46	62	875	2347.1	203	8	408
480000	40000	54232	MTW10	2520	533	44	60	900	2520	203	8	408
480000	40000	54232	MTW10	2940	436	36	49	1100	2940	203	8	408
720000	60000	81348	MTW11	60	28800	2400	3254	25	60	203	8	410
720000	60000	81348	MTW11	180	10141	845	1146	71	180	203	8	481
720000	60000	81348	MTW11	240	7579	632	856	95	240	203	8	481
720000	60000	81348	MTW11	360	5070	423	573	142	360	203	8	481
780000	65000	88127	MTW11	540	3645	304	412	214	540	203	8	481
780000	65000	88127	MTW11	720	2737	228	309	285	720	203	8	481
780000	65000	88127	MTW11	960	2053	171	232	380	960	203	8	481
780000	65000	88127	MTW11	1080	1822	152	206	428	1080	203	8	481
828000	69000	93550	MTW11	1440	1453	121	164	570	1440	203	8	481
828000	69000	93550	MTW11	2160	968	81	109	855	2160	203	8	481
828000	69000	93550	MTW11	2347	946	79	107	875	2347.1	203	8	481
828000	69000	93550	MTW11	2520	920	77	104	900	2520	203	8	481
828000	69000	93550	MTW11	2940	753	63	85	1100	2940	203	8	481
972000	81000	110000	MTW12	60	38880	3240	4400	25	60	305	12	1050
972000	81000	110000	MTW12/IR4	240	10800	900	1222	90	240	305	12	1320
972000	81000	110000	MTW12/IR4	360	7200	600	815	135	360	305	12	1320
972000	81000	110000	MTW12/IR4	480	5370	448	608	181	480	305	12	1320
972000	81000	110000	MTW12/IR4	610	4263	355	482	228	607	305	12	1320
972000	81000	110000	MTW12/IR4	720	3587	299	406	271	720	305	12	1320
972000	81000	110000	MTW12/IR4	960	2693	224	305	361	960	305	12	1320
972000	81000	110000	MTW12/IR4/AS5	1290	2240	187	253	434	1287	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	1530	1891	158	214	514	1526	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	1820	1578	131	179	616	1821	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	2040	1417	118	160	686	2035	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	2490	1154	96	131	842	2489	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	2880	997	83	113	975	2880	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	3640	788	66	89	1233	3642	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	3940	730	61	83	1332	3936	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	4320	665	55	75	1462	4320	305	12	1340
972000	81000	110000	MTW12/IR4/AS5	5760	499	42	56	1949	5760	305	12	1340
1428000	119000	162000	MTW13	60	57120	4760	6480	25	60	305	12	1050
1428000	119000	162000	MTW13/IR4	240	15867	1322	1800	90	240	305	12	1320
1428000	119000	162000	MTW13/IR4	360	10578	881	1200	135	360	305	12	1320
1428000	119000	162000	MTW13/IR4	480	7890	657	895	181	480	305	12	1320
1428000	119000	162000	MTW13/IR4	610	6263	522	711	228	607	305	12	1320
1428000	119000	162000	MTW13/IR4	720	5269	439	598	271	720	305	12	1320
1428000	119000	162000	MTW13/IR4	960	3956	330	449	361	960	305	12	1320
1428000	119000	162000	MTW13/IR4/AS6	1210	3474	290	394	411	1214	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	1440	2932	244	333	487	1440	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	1820	2318	193	263	616	1821	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	1920	2197	183	249	650	1920	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	2430	1737	145	197	822	2428	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	2880	1465	122	166	975	2880	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	3640	1158	97	131	1233	3642	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	3840	1098	92	125	1300	3840	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	4860	869	72	99	1644	4856	305	12	1350
1428000	119000	162000	MTW13/IR4/AS6	5760	733	61	83	1949	5760	305	12	1350

\* For handwind only The rated output torques can be increased by 1.3 for derivatives of 60:1 ratios.