

NIBTORQUE's

MANUAL MULTIPLIER

MAKES APPLYING TORQUE SIMPLE

NEVER LOOK AT A MANUAL MULTIPLIER AGAIN - AND WONDER WHERE TO REACT?

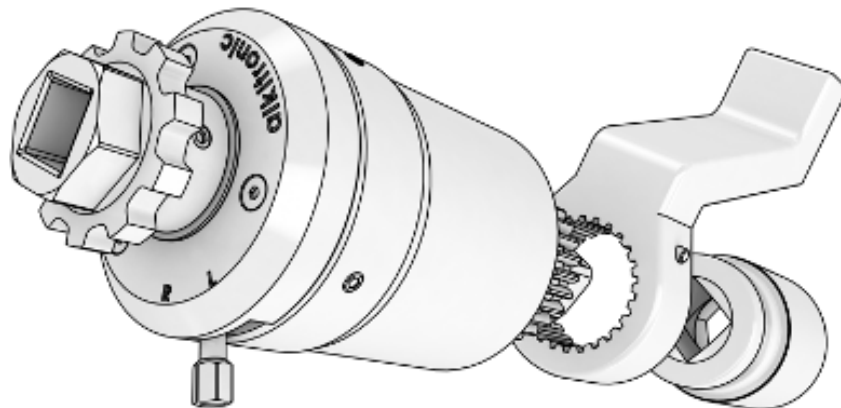
DESIGNED FOR BOLTING - EASY REACTION TO ADJACENT NUT



NEVER WORRY ABOUT POWER IN THE FIELD AGAIN!

NO POWER SUPPLY WORRIES / NO AIR SUPPLY WORRIES / NO HYDRAULIC TOOL WORRIES

ALWAYS WORKS / ALWAYS ON / ALWAYS RELIABLE



VERSATILE - ALWAYS A EASY WAY TO TURN THE INPUT SIDE

TURN BY HAND / TURN WITH A HEX / TURN WITH A 3/4 RATCHET WRENCH

Type		HG10	HG15	HG20	HG30	HG40	HG50	HG60	HG80
Torque up to (approx.)*	Nm	1400	1400	3500	5000	6000	8000	11500	50000
Square drive	B	1/2" / 3/4"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2 1/2"
Reduction ratio		4	4	16	18	20	24	28	180
Diameter	D mm	85	85	85	98	123	148	173	275
Height	H mm	180	200	235	250	280	280	290	360
Weight (approx.)	kg	3.5	4	6	7	15	16	28	58

1MM = 0.0393 INCHES / 1KILOGRAM = 2.204 LB

Input		Output														Input	
		HG 10 - 15		HG 20		HG 30		HG 40		HG 50		HG 60		HG 80			
Nm	Lbs.ft	Nm	Lbs.ft	Nm	Lbs.ft	Nm	Lbs.ft	Nm	Lbs.ft	Nm	Lbs.ft	Nm	Lbs.ft	Nm	Lbs.ft	Nm	Lbs.ft
50	37	175	129	575	424	718	530	800	590	1,025	756	1,200	886	6,300	4,649	50	37
60	44	210	155	690	509	861	635	960	708	1,230	908	1,428	1,054	7,560	5,579	60	44
70	52	245	181	805	594	1,005	741	1,120	827	1,435	1,059	1,652	1,219	8,820	6,509	70	52
80	59	280	207	920	679	1,148	847	1,280	945	1,640	1,210	1,900	1,402	10,080	7,439	80	59
90	66	315	232	1,035	764	1,292	953	1,440	1,063	1,845	1,362	2,124	1,568	11,340	8,369	90	66
100	74	350	258	1,150	849	1,435	1,059	1,600	1,181	2,050	1,513	2,350	1,734	12,600	9,299	100	74
110	81	385	284	1,265	934	1,579	1,165	1,760	1,299	2,255	1,664	2,577	1,902	13,860	10,229	110	81
120	89	420	310	1,380	1,018	1,722	1,271	1,920	1,417	2,460	1,815	2,802	2,068	15,120	11,159	120	89
130	96	455	336	1,495	1,103	1,866	1,377	2,080	1,535	2,665	1,967	3,051	2,252	16,380	12,088	130	96
140	103	490	362	1,610	1,188	2,009	1,483	2,240	1,653	2,870	2,118	3,276	2,418	17,640	13,018	140	103
150	111	525	387	1,725	1,273	2,153	1,589	2,400	1,771	3,075	2,269	3,503	2,585	18,900	13,948	150	111
160	118	560	413	1,840	1,358	2,296	1,694	2,560	1,889	3,280	2,421	3,728	2,751	20,160	14,878	160	118
170	125	595	439	1,955	1,443	2,440	1,800	2,720	2,007	3,485	2,572	3,953	2,917	21,420	15,808	170	125
180	133	630	465	2,070	1,528	2,583	1,906	2,880	2,125	3,690	2,723	4,180	3,085	22,680	16,738	180	133
190	140	665	491	2,185	1,613	2,727	2,012	3,040	2,244	3,895	2,875	4,427	3,267	23,940	17,668	190	140
200	148	700	517	2,300	1,697	2,870	2,118	3,200	2,362	4,100	3,026	4,650	3,432	25,200	18,598	200	148
210	155	735	542	2,415	1,782	3,014	2,224	3,360	2,480	4,305	3,177	4,883	3,603	26,460	19,527	210	155
220	162	770	568	2,530	1,867	3,157	2,330	3,520	2,598	4,510	3,328	5,104	3,767	27,720	20,457	220	162
230	170	805	594	2,645	1,952	3,301	2,436	3,680	2,716	4,715	3,480	5,336	3,938	28,980	21,387	230	170
240	177	840	620	2,760	2,037	3,444	2,542	3,840	2,834	4,920	3,631	5,580	4,118	30,240	22,317	240	177
250	185	875	646	2,875	2,122	3,588	2,648	4,000	2,952	5,125	3,782	5,800	4,280	31,500	23,247	250	185
260	192	910	672	2,990	2,207	3,731	2,753	4,160	3,070	5,330	3,934	6,032	4,452	32,760	24,177	260	192
270	199	945	697	3,105	2,291	3,875	2,859	4,320	3,188	5,535	4,085	6,256	4,617	34,020	25,107	270	199
280	207	980	723	3,220	2,376	4,018	2,965	4,480	3,306	5,740	4,236	6,482	4,784	35,280	26,037	280	207
290	214	1,015	749	3,335	2,461	4,162	3,071	4,640	3,424	5,945	4,387	6,734	4,970	36,540	26,967	290	214
300	221	1,050	775	3,450	2,546	4,305	3,177	4,800	3,542	6,150	4,539	6,960	5,136	37,800	27,896	300	221
310	229	1,085	801	3,565	2,631	4,449	3,283	4,960	3,660	6,355	4,690	7,192	5,308	39,060	28,826	310	229
320	236	1,120	827	3,680	2,716	4,592	3,389	5,120	3,779	6,560	4,841	7,424	5,479	40,320	29,756	320	236
330	244	1,155	852	3,795	2,801	4,736	3,495	5,280	3,897	6,765	4,993	7,630	5,631	41,580	30,686	330	244
340	251	1,190	878	-----	-----	4,879	3,601	5,440	4,015	6,970	5,144	7,881	5,816	42,840	31,616	340	251
350	258	1,225	904	-----	-----	5,023	3,707	5,600	4,133	7,175	5,295	8,110	5,985	44,100	32,546	350	258
360	266	1,260	930	-----	-----	5,166	3,813	5,760	4,251	7,380	5,446	8,334	6,150	45,360	33,476	360	266
370	273	1,295	956	-----	-----	-----	-----	5,920	4,369	7,585	5,598	8,558	6,316	46,620	34,406	370	273
380	280	1,330	982	-----	-----	-----	-----	6,080	4,487	7,790	5,749	8,786	6,484	47,880	35,335	380	280
390	288	1,365	1,007	-----	-----	-----	-----	6,240	4,605	7,995	5,900	9,029	6,663	49,140	36,265	390	288
400	295	1,400	1,033	-----	-----	-----	-----	-----	-----	8,200	6,052	9,260	6,834	50,400	37,195	400	295
												9,479	6,996	51,660	38,125	410	303
												9,710	7,166	-----	-----	420	310
												9,942	7,337	-----	-----	430	317
												10,173	7,508	-----	-----	440	325
												10,409	7,681	-----	-----	450	332
												10,640	7,852	-----	-----	460	339
												10,871	8,023	-----	-----	470	347
												11,102	8,194	-----	-----	480	354
												11,334	8,364	-----	-----	490	362
												11,565	8,535	-----	-----	500	369

1 Nm = 0,102 mkp = 0,7376 lb./ft. = 8,851 lb./in.

At maximum load, please note that there is an available reserve of 20% for possibly increased loosening torques.

The torque values of the chart are theoretical values. Tool specific, calibrated values can be obtained against additional price.

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