



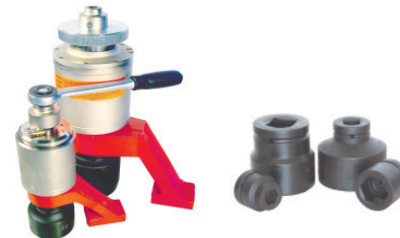
JUWEL TYPE 04

Input Force			Output Force		
kg-m	Nm	Ft/lb	kg-m	Nm	Ft/lb
4	39	28,76	69	677	499,32
5	49	36,14	86	843	621,76
6	59	43,51	101	991	730,92
7	69	50,89	118	1157	853,35
8	78	57,52	133	1304	961,78
9	88	64,90	150	1471	1084,95
10	98	72,28	165	1638	1208,12
11	108	79,85	181	1775	1309,17
12	118	87,03	198	1942	1432,34
13	127	93,67	214	2099	1548,14
14	137	101,04	231	2265	1670,57
15	147	108,42	248	2632	1941,26
16	157	115,79	264	2589	1909,54
17	167	123,17	280	2746	2025,34
18	177	130,54	296	1901	2139,66
19	186	137,18	312	3060	2256,94
20	196	144,56	329	3227	2380,11
21	206	151,93	345	3383	2495,17
22	216	159,31	361	3540	2610,97
23	226	166,68	378	3707	2734,14
24	235	173,32	394	3864	2849,94
25	245	180,70	410	4178	3081,53
26	255	188,07	426	4178	3081,53
27	265	195,45	442	4335	3197,33
28	275	202,82	459	4501	3319,76
29	284	209,46	475	4658	3435,56
30	294	216,84	491	4815	3551,36
31	304	224,21	508	4982	3674,53
32	314	231,59	525	5147	3796,23
33	324	238,97	541	5306	3913,50
34	333	245,60	557	5462	4028,56
36	353	260,35	590	5786	4267,53
37	363	267,73	621	6090	4491,75

TORQUE TABLE ACCORDING TO BOLT STRENGTH

Screw thread DIN 13/Bolt heads DIN 912 - 931 - 934 - 6912 - 7984 and 7990

B O L T T Y P E		B O L T Q U A L I T Y			
METRIC SIZE	SOCKET SIZE (mm)	6.9	8.8	10.9	12.9
		Nm	Nm	Nm	Nm
M 14	22	116	138	194	235
M 16	24	178	210	299	357
M 18	27	245	289	411	490
M 20	30	384	411	578	696
M 22	32	470	559	784	941
M 24	36	598	711	1,00	1,196
M 28	41	887	1,049	1,481	1,775
M 30	46	1,206	1,422	2,010	2,403
M 33	50	1,628	1,932	2,716	3,266
M 36	55	2,099	2,481	3,491	4,197
M 39	60	2,716	3,226	4,531	5,443
M 42	65	3,364	3,991	5,609	6,727
M 45	70	4,207	4,992	7,012	8,414
M 48	75	5,080	6,021	8,473	10,150
M 52	80	6,541	7,747	10,885	13,092
M 56	85	8,149	9,650	13,582	16,279
M 60	90	10,101	11,964	16,867	20,202
M 64	95	12,160	14,416	20,300	24,320
M 68	100	14,863	17,615	24,771	29,725
M 72	105	17,787	21,081	29,645	35,573
M 76	110	21,071	24,973	35,118	42,141
M 80	115	24,733	29,314	41,222	49,497
M 90	130	35,880	42,525	59,801	71,761
M 100	145	49,950	59,200	83,250	99,900



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