

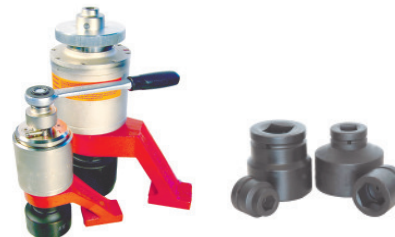


**JUWEL
SCHRAUBTECHNIK GmbH**



JUWEL TYPE 07

Input Force			Output Force		
kg-m	Nm	Ft/lb	kg-m	Nm	Ft/lb
4	39	28,76	40	2500	1843,90
5	49	36,14	50	2743	2023,13
6	59	43,51	60	3068	2226,84
7	69	50,89	70	3393	2502,54
8	78	57,52	80	3800	2802,73
9	88	64,90	90	4295	3167,82
10	98	72,28	100	4865	3588,23
11	108	79,85	110	5440	4012,33
12	118	87,03	120	6030	4447,49
13	127	93,67	130	6560	4838,40
14	137	101,04	140	7085	5225,62
15	147	108,42	150	7585	5594,40
16	157	115,79	160	8100	5974,25
17	167	123,17	170	8630	6365,16
18	177	130,54	180	9190	6778,19
19	186	137,18	190	9760	7198,60
20	196	144,56	200	10300	7596,89
21	206	151,93	210	10790	7958,29
22	216	159,31	220	11200	8260,69
23	226	166,68	230	11610	8563,09
24	235	173,32	240	12000	8850,74



TORQUE TABLE ACCORDING TO BOLT STRENGTH

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

BOLT TYPE		BOLT QUALITY			
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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