



**JUWEL  
SCHRAUBTECHNIK GmbH**



### JUWEL TYPE 03

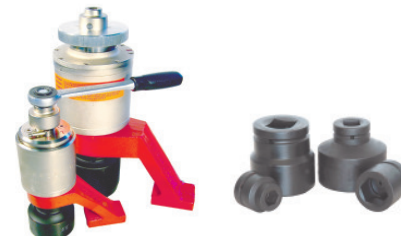
Input Force			Output Force		
kg-m	Nm	Ft/lb	kg-m	Nm	Ft/lb
5	49	36,14	52	506	373,20
6	59	43,51	61	596	439,58
7	69	50,89	70	686	505,96
8	78	57,52	82	204	592,99
9	88	64,90	101	991	730,92
10	98	72,28	112	1098	809,84
11	108	79,85	123	1206	889,49
12	118	87,03	134	1314	969,15
13	127	93,67	145	1422	1048,81
14	137	101,04	156	1530	1128,47
15	147	108,42	167	1638	1208,12
16	157	115,79	178	1746	1287,78
17	167	123,17	189	1845	1360,80
18	177	130,54	200	1961	1446,35
19	186	137,18	210	2059	1518,64
20	196	144,56	220	2158	1591,65
21	206	151,93	230	2256	1641,81
22	216	159,31	240	2354	1736,22
23	226	166,68	250	2652	1956,01
24	235	173,32	260	2550	1880,78
25	245	180,70	270	2648	1953,06
26	255	188,07	280	2746	2025,34
27	265	195,45	290	2844	2097,62
28	275	202,82	300	2942	2169,90
29	284	209,46	310	3040	2242,18
30	294	216,84	320	3138	2314,47
31	304	224,21	330	3236	2386,75
32	314	231,59	340	3334	2459,03
33	324	238,97	350	3432	2531,32
34	333	245,60	360	3531	2604,33
36	353	260,35	370	3629	2676,61
37	363	267,73	380	3727	2748,89
38	373	275,01	390	3824	2820,43

# SURKON®

### 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



High Pressure Hydraulic Tools & Torque Equipments  
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