MS BOLTS (IS 1263-DIN-933) (5.5)											
SIZE	3	3.5/4	5	6	8	10	12	16	20	22	24
6	0.60	0.70	0.75								
8	0.60	0.75	0.85								
10	0.60	0.69	0.90	1.18	2.50						
12	0.62	0.86	0.98	1.27	2.64	5.04					
16	0.70	0.98	1.13	1.50	2.96	5.54	9.23	14.37			
20	0.79	1.07	1.27	1.57	3.29	6.08	8.63	15.64			
25	0.90	1.18	1.50	1.78	3.69	6.55	9.28	17.33			
30	1.08	1.30	1.68	2.04	2.82	7.16	10.24	18.99	33.55		
35	1.18	1.39	1.90	2.26	4.56	7.80	11.13	20.58	36.26		
40	1.52	1.78	2.09	2.47	4.97	8.45	12.05	22.27	30.68	47.58	60.16
45	1.82	2.04	2.04	2.69	5.41	9.06	12.96	23.93	41.21	50.79	63.88
50	2.09	2.42	2.54	2.93	5.79	9.72	13.85	25.40	43.89	54.03	67.55
55		2.69	2.69	3.02	5.97	10.35	14.81	27.13	46.28	57.23	71.27
60		2.87	2.93	3.25	6.34	11.02	15.69	28.87	49.08	60.16	74.96
65			3.15	3.47	6.84	11.66	16.60	30.34	51.55	63.38	78.65
70			3.30	3.67	7.24	12.32	17.52	32.05	54.03	66.31	82.34
75			3.56	7.77	7.58	12.92	18.41	33.79	56.47	69.56	85.77
80			3.74	4.12	8.09	13.56	19.37	35.52	59.15	72.71	91.61
90			4.12	4.56	8.91	14.82	21.16	38.73	64.09	79.14	96.89
10			4.59	4.86	9.72	16.11	23.01	41.91	69.29	68.42	104.27
110				5.36	10.47	17.41	24.82	45.38	74.46	68.42	111.68
120				5.75	11.23	18.59	26.01	49.28	79.42	91.46	119.07
130				6.14	11.95	19.97	28.46	48.59	84.55	97.88	126.45
140				6.68	12.83	21.22	30.25	51.77	89.74	103.78	133.85
150				6.94	13.00	22.48	31.99	55.24	94.68	110.42	141.01

MS SPRING WASHERS		
SIZE	FLAT	SQUARE
3	0.20	0.18
4	0.20	0.18
5	0.36	0.34
6	0.47	0.44
8	0.85	0.78
10	1.21	1.21
12	1.99	1.76
16	1.95	4.16
20	6.28	7.54
24	13.39	12.38

MS NUTS & PLAIN WASHERS (IS)		
SIZE	NUTS	P/W (IS)
3	0.25	0.23
4	0.29	0.25
5	0.39	0.40
6	0.85	0.55
8	1.27	0.91
10	2.54	1.56
12	3.58	2.34
16	8.19	4.42
20	14.40	6.37
24	26.78	13.00

MS CH/ROUND HEAD SCREWS (ZINC WHITE/YELLOW) (S)							
SIZE	2/2.5	3	3.5/4	5	6	8	10
4	0.60	0.44					
5	0.52	0.33	0.46				
6	0.44	0.26	0.42	0.81	1.31	2.80	
8	0.47	0.30	0.42	0.65	0.98	2.70	
10	0.51	0.30	0.46	0.70	0.98	2.70	
12	0.52	0.34	0.47	0.74	1.08	2.98	7.87
16	0.60	0.44	0.56	0.90	1.26	3.19	5.54
20	0.70	0.51	0.64	0.98	1.44	3.58	5.95
25	0.83	0.56	0.77	1.18	1.59	4.17	6.11
30	1.22	0.70	0.90	1.34	1.81	5.14	6.32
35		0.83	0.99	1.55	2.05	5.95	6.90
40		1.14	1.25	1.81	2.31	7.11	7.49
45		1.56	1.46	1.95	2.63	7.31	8.11
50		1.66	1.64	2.26	2.94	7.49	9.10
55		2.41	2.05	2.80	3.37	7.87	10.10
60		2.69	2.26	3.19	3.95	8.31	10.67
65		4.36	2.69	3.58	4.36	8.68	11.48
70		3.51	2.89	3.95	4.72		12.60
75		3.98	3.07	4.17	5.14		13.83
80		4.39	3.71	4.95	5.54		
90		8.03	4.12	5.95	7.11		
100		10.28	5.75	6.75	8.68		
110		11.73	8.68	9.87	11.83		
120			12.09	13.00	14.95		
130			15.47	16.25	18.07		

MS CSK HEAD SCREWS (ZINC WHITE/YELLOW AS OER DIN 963 (5)						
2/2.5	3	3.5/4	5	6	8	10
0.60	0.62					
0.52	0.39	0.77				
0.44	0.26	0.40	1.01			
0.47	0.33	0.33	0.62	1.01		
0.51	0.33	0.34	0.52	0.90	3.19	
0.52	0.34	0.40	0.62	0.88	1.81	
0.60	0.44	0.51	0.74	1.01	1.52	6.32
0.70	0.51	0.56	0.81	1.18	2.37	5.14
0.83	0.56	0.70	1.01	1.37	2.70	5.54
1.22	0.70	0.81	1.16	1.64	3.19	5.95
	0.81	0.95	1.31	1.90	3.58	6.32
	1.18	1.13	1.59	2.18	4.36	6.71
	1.34	1.25	1.77	2.50	5.14	7.11
	1.55	1.46	1.99	2.70	6.32	7.49
	2.31	1.87	2.37	2.98	6.49	9.69
	2.59	2.05	2.80	3.37	6.71	10.10
	3.06	2.50	3.19	3.58	7.49	10.86
	3.51	2.69	3.58	3.95	7.87	12.22
	3.95	2.89	3.76	4.36	8.31	13.01
	4.39	3.30	4.36	4.72	8.74	13.81
	8.03	3.71	5.36	6.32	9.96	14.94
	10.28	5.36	7.87	7.87	11.18	16.29