

D-Tangler 2000 Test Results

Last Updated: 1/23/2015

All material sorted by Length in inches						
Matl	Diameter	Length	Wire Size	System	Speed	Yield
c-clip	0.48	0.036	0.036	standard	50	98
snap ring	0.769	0.047	0.046	standard	70	98
compression spring	0.25	0.065	0.01	standard	40	91
ring	0.813	0.07	0.036	standard	75	92
compression spring	0.22	0.07	0.01	standard	40	92
compression spring	0.155	0.125	0.026	standard	75	96
compression spring	0.11	0.14	0.022	modified	50	99
compression spring	0.015	0.15	0.002	modified	40	97
compression spring	0.118	0.155	0.01	modified	70	98
conical	.251 - .319	0.16	0.015	modified	78	92
compression spring	0.099	0.2	0.009	standard	75	98
clip	0.77	0.2	0.008	standard	55	99
clip	0.2	0.21	0.014	modified	55	97
spider clip	1.11	0.21	0.14	standard	40	98
compression spring	0.14	0.218	0.017	standard	45	97
compression spring	0.16	0.23	0.025	modified	72	98
retaining ring	0.45	0.23	0.018	standard	45	99
compression spring	0.325	0.24	0.05	modified	70	98
compression spring	0.315	0.25	0.022	standard	82	95
compression spring	0.139	0.25	0.016	standard	47	97
compression spring	0.027	0.27	0.019	modified	50	99
compression spring	0.18	0.27	0.0252	modified	50	99
compression spring	0.21	0.28	0.021	standard	45	96
compression spring	0.12	0.28	0.031	standard	50	98
compression spring	0.18	0.28	0.021	standard	45	99
compression spring	0.07	0.29	0.005	modified	56	97
conical	.29 - .41	0.3	0.02	modified	55	96
compression spring	0.22	0.3	0.016	standard	57	98
compression spring	0.22	0.31	0.013	standard	52	92
conical	.18-.34	0.31	0.024	standard	47	92
compression spring	0.14	0.31	0.024	standard	46	97
compression spring	0.21	0.31	0.032	modified	50	98
compression spring	0.11	0.31	0.0175	standard	45	98
compression spring	0.18	0.32	0.013	standard	55	95
conical	.125 - .184	0.32	0.007	modified	40	97
compression spring	0.26	0.32	0.022	standard	50	99
seal spring	0.87	0.331	0.062	standard	75	90
conical	.22-.32	0.34	0.018	modified	40	92
compression spring	0.13	0.34	0.019	modified	55	97
compression spring	0.318	0.34	0.212	modified	70	99
compression spring	0.34	0.343	0.026	standard	50	98
compression spring	.14-.23	0.35	0.013	standard	55	96
conical	.28 - .48	0.35	0.03	standard	54	97
compression spring	0.12	0.37	0.006	standard	80	97
compression spring	0.167	0.37	0.013	modified	95	97
compression spring	0.23	0.37	0.015	standard	55	98
compression spring	0.31	0.37	0.028	standard	50	99
compression spring	0.167	0.37	0.013	modified	95	99
conical	.095-.059	0.375	0.011	standard	50-70	99
compression spring	0.24	0.38	0.027	standard	70	87
valve spring	0.22	0.38	0.012	standard	70	98
spring clip	.31-.38	0.381	0.025	standard	45	98

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Last Updated: 1/23/2015

compression spring	0.14	0.39	0.015	modified	56	98
compression spring	0.21	0.4	0.018	standard	50-60	98
compression spring	0.3125	0.405	0.021	standard	48	98
compression spring	0.09	0.41	0.019	modified	50	98
compression spring	0.11	0.41	0.009	modified	50	98
compression spring	0.4	0.41	0.017	standard	50	99
compression spring	0.522	0.411	0.032	standard	75	92
compression spring	0.79	0.412	0.048	standard	75	96
conical	.16 - .27	0.42	0.014	standard	75	98
compression spring	0.37	0.425	0.05	standard	50	98
seal spring	1.17	0.427	0.08	standard	75	97
compression spring	0.08	0.43	0.018	modified	58	98
compression spring	0.133	0.44	0.015	standard	75	98
compression spring	0.139	0.45	0.006	standard	54	99
conical	.248-.558	0.46	0.03	standard	70	87
torsion spring	.28 - .60 w/feet	0.46	0.033	standard	50	99
wire form	0.625	0.475	0.031	standard	50	98
compression spring	0.24	0.52	0.035	standard	50	98
ring	0.61	0.54	0.02	standard	50	98
compression spring	0.156	0.567	0.0225	standard	78	98
compression spring	0.24	0.57	0.018	standard	60	98
compression spring	0.75	0.58	0.037	standard	40	96
clip	0.8	0.58	0.03	standard	40	96
compression spring	0.14	0.61	0.023	standard	40	99
conical	0.28 - 0.34	0.62	0.029	standard	62	98
clip	0.51	0.63	0.022	standard	50	97
compression spring	0.25	0.63	0.019	standard	50	98
compr w/foot	.20-.33	0.64	0.017	standard	47	99
hook/clip	0.855	0.649	0.05	standard	52	98
conical	0.27 - 0.35	0.65	0.021	standard	55	99
compression spring	0.82	0.66	0.107	standard	40	97
compression spring	0.89	0.67	0.109	standard	40	97
compression spring	0.042	0.67	0.007	standard	74	98
compression spring	0.77	0.67	0.091	standard	40	98
compression spring	0.29	0.67	0.019	standard	50	98
conical	.29 - .38	0.68	0.012	modified	40	95
compression spring	0.84	0.68	0.086	standard	40	99
wire form	1.08	0.69	0.033	standard	50	99
wire form	1.12	0.69	0.033	standard	50	99
wire form	0.71	0.7	0.08	standard	45	97
compression spring	0.81	0.7	0.108	standard	40	98
wire form	2.23	0.7	0.053	standard	40	99
wire form	2.23	0.7	0.053	standard	40	99
conical	.30-.54	0.72	0.026	standard	40	96
wire form	0.72	0.72	0.06	standard	45	97
compression spring	0.2375	0.74	0.0185	standard	50	98
compression spring	0.16	0.75	0.012	modified	52	98
compression spring	0.22	0.76	0.017	standard	50	98
compression spring	0.13	0.76	0.0145	standard	40	98
compression spring	0.21	0.77	0.017	modified	70	97
compression spring	0.27	0.83	0.01	standard	58	97
compression spring	0.5	0.84	0.055	standard	48	98
compression spring	0.4	0.85	0.045	standard	54	98
conical	.35-.64	0.86	0.064	standard	74	98
compression spring	0.58	0.86	0.035	standard	50	99
conical	0.48	0.96	0.035	standard	50	99

D-Tangler 2000 Test Results

Last Updated: 1/23/2015

compression spring	0.422	1.01	0.054	standard	35	98
conical	.57-.70	1.03	0.048	standard	45	94
compression spring	0.18	1.05	0.012	standard	75	94
compression spring	0.29	1.05	0.017	standard	48	94
compression spring	0.026	1.07	0.003	standard	45	98
compression spring	0.46	1.07	0.035	standard	50	99
compression spring	0.16	1.09	0.013	standard	50	87
conical	.85-1.24	1.1	0.05	standard	45	97
conical	.29-.43	1.118	0.015	standard	72	95
compression spring	0.31	1.15	0.023	standard	50	98
compression spring	0.29	1.21	0.013	standard	56	87
compression spring	0.85	1.21	0.844	standard	60-70	98
compression spring	0.18	1.23	0.014	standard	72	98
wire form	0.52	1.239	0.066	standard	60	99
compression spring	0.176	1.25	0.014	standard	72	96
compression spring	0.85	1.25	0.055	standard	47	98
compression spring	0.3	1.32	0.02	standard	50	94
compression spring	.25 ends - .34 cntr	1.32	0.004	standard	40	96
wire form	0.3	1.344	0.033	standard	60	99
compression spring	0.502	1.36	0.026	standard	50	98
compression spring	0.45	1.38	0.028	standard	50	98
compression spring	0.46	1.4	0.04	standard	75	92
compression spring	0.28	1.41	0.007	standard	50	98
compression spring	0.54	1.42	0.034	standard	47	97
wire form	0.38	1.431	0.044	standard	50	99
compression spring	0.49	1.45	0.042	standard	50	99
compression spring	0.53	1.45	0.04	standard	50	99
compression spring	0.23	1.48	0.019	standard	75	98
compression spring	0.2	1.48	0.029	standard	55	99
compr w/flair	.31-.36	1.53	0.014	modified	65	97
hook end comp	0.652	1.595	0.084	standard	40	99
compression spring	0.19	1.66	0.015	standard	75	98
compression spring	0.3	1.68	0.023	standard	55	98
compression spring	0.69	1.69	0.054	standard	50	99
conical	.52-.94	1.71	0.09	modified	40	97
compression spring	0.6	1.73	0.034	standard	45	98
compression spring	0.51	1.75	0.036	standard	50	98
compression spring	0.603	1.8	0.038	standard	70	92
compression spring	0.85	1.8	0.116	standard	55	99
compression spring	0.645	1.81	0.06	standard	50	99
compression spring	0.656	1.81	0.051	standard	50	99
special	.23 mid-.29 ends	1.83	0.03	standard	45	98
compression spring	0.85	1.85	0.114	standard	48	97
compression spring	1.95	1.94	0.054	standard	60	98
compression spring	0.38	1.94	0.026	standard	57	98
compression spring	0.56	2.12	0.008	standard	50	99
compression spring	0.57	2.19	0.031	standard	60	97
compression spring	0.38	2.26	0.022	standard	57	98
wire form Shook	1.08	2.38	0.063	standard	50	98
compression spring	1.68	2.42	0.047	modified	50	98
compression spring	0.9	2.58	0.04	standard	40	92
compression spring	0.28	2.73	0.033	modified	40	98
compression spring	0.2	2.85	0.016	standard	55	99
compression spring	1.35	2.88	0.048	standard	68	98
compression spring	0.38	2.9	0.054	standard	50	98
compression spring	0.81	2.92	0.021	standard	55	92

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conical	.24-.48	3.44	0.045	standard	50	98
compr w/feet	0.23	.041 - .26 (ends)	0.009	modified	54	98
spider clip	1.11	.21-.43	0.04	standard	40	98
fish hooks	4 sizes			standard	60	95
clip				standard	50	99
wire form				standard		