

PORTER

Compression Springs

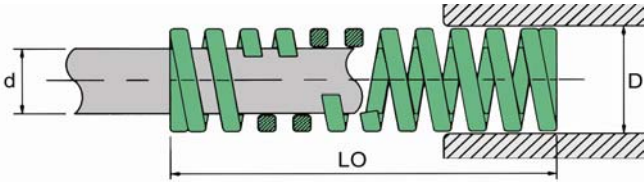
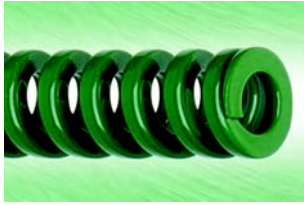




Light Load Springs

Color: Green

LG



Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table				
					Maximum Operating Deflection (40% of LO)		Total Travel to Solid		
					Load lbs.	Deflect in.	Load lbs.	Deflect in.	
D	d	LO							
3/8	3/16	1	LG0370100	2.6	10.4	0.4	14.0	0.54	
		1 1/4	LG0370125	2.0	10.0	0.5	13.6	0.68	
		1 1/2	LG0370150	1.6	9.7	0.6	13.3	0.82	
		1 3/4	LG0370175	1.4	9.6	0.7	13.2	0.97	
		2	LG0370200	1.2	9.6	0.8	13.2	1.11	
		2 1/2	LG0370250	0.9	9.3	1.0	13.0	1.40	
		3	LG0370300	0.8	9.1	1.2	12.6	1.66	
		12	LG0371200	0.2	8.6	4.8	11.9	6.62	
1/2	9/32	1	LG0500100	5.1	20.3	0.4	27.0	0.53	
		1 1/4	LG0500125	3.8	19.2	0.5	26.0	0.67	
		1 1/2	LG0500150	3.1	18.7	0.6	25.9	0.83	
		1 3/4	LG0500175	2.6	18.1	0.7	25.0	0.96	
		2	LG0500200	2.2	17.7	0.8	24.1	1.09	
		2 1/2	LG0500250	1.7	17.3	1.0	23.9	1.38	
		3	LG0500300	1.4	17.3	1.2	23.9	1.67	
		3 1/2	LG0500350	1.2	16.8	1.4	23.5	1.96	
5/8	11/32	1	LG0620100	10.2	40.8	0.4	54.0	0.53	
		1 1/4	LG0620125	7.7	39.4	0.5	21.4	0.67	
		1 1/2	LG0620150	6.0	36.1	0.6	48.8	0.81	
		1 3/4	LG0620175	5.0	34.8	0.7	46.9	0.94	
		2	LG0620200	4.3	34.7	0.8	46.9	1.09	
		2 1/2	LG0620250	3.4	33.8	1.0	46.7	1.38	
		3	LG0620300	2.7	32.8	1.2	45.1	1.65	
		3 1/2	LG0620350	2.3	32.4	1.4	44.8	1.94	
3/4	3/8	1	LG0750100	32.0	128	0.4	162	0.51	
		1 1/4	LG0750125	24.4	123	0.5	158	0.65	
		1 1/2	LG0750150	19.3	116	0.6	150	0.78	
		1 3/4	LG0750175	16.2	113	0.7	150	0.92	
		2	LG0750200	14.2	113	0.8	150	1.06	
		2 1/2	LG0750250	11.0	111	1.0	147	1.33	
		3	LG0750300	9.2	111	1.2	147	1.62	
		3 1/2	LG0750350	7.7	108	1.4	144	1.87	
2 1/2	1 1/2	1	LG0750400	6.8	108	1.6	144	2.16	
		4 1/2	LG0750450	5.9	106	1.8	143	2.42	
		5	LG0750500	5.3	106	2.0	143	2.69	
		5 1/2	LG0750550	4.8	106	2.2	143	2.90	
		6	LG0750600	4.5	106	2.4	143	3.26	
		12	LG0751200	2.2	104	4.8	140	6.48	

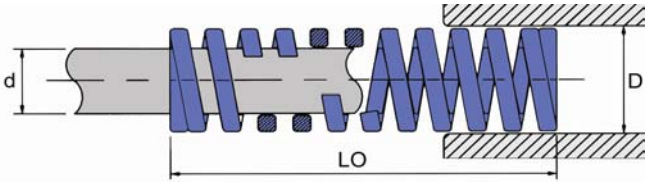
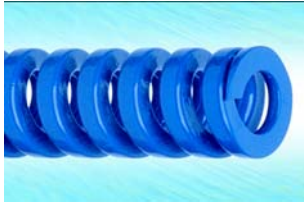
Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table			
					Maximum Operating Deflection (40% of LO)		Total Travel to Solid	
					Load lbs.	Deflect in.	Load lbs.	Deflect in.
D	d	LO						
1	1/2	1	LG1000100	61.0	244	0.4	311	0.51
		1 1/4	LG1000125	46.0	231	0.5	299	0.65
		1 1/2	LG1000150	36.9	221	0.6	292	0.79
		1 3/4	LG1000175	30.5	213	0.7	281	0.92
		2	LG1000200	26.5	212	0.8	280	1.06
		2 1/2	LG1000250	20.4	204	1.0	270	1.32
		3	LG1000300	16.7	200	1.2	265	1.59
		3 1/2	LG1000350	14.1	197	1.4	261	1.85
		4	LG1000400	12.1	193	1.6	255	2.11
		4 1/2	LG1000450	10.7	192	1.8	255	2.37
		5	LG1000500	9.6	192	2.0	255	2.65
		5 1/2	LG1000550	8.7	192	2.2	255	2.93
1 1/4	5/8	6	LG1000600	8.0	192	2.4	255	3.21
		7	LG1000700	6.9	192	2.8	255	3.67
		8	LG1000800	6.0	192	3.2	255	4.33
		12	LG1001200	4.0	192	4.8	255	6.50
		1 1/2	LG1250150	57.8	347	0.6	433	0.75
		1 3/4	LG1250175	47.5	332	0.7	415	0.87
		2	LG1250200	40.7	325	0.8	411	1.01
		2 1/2	LG1250250	31.4	315	1.0	400	1.26
		3	LG1250300	26.2	315	1.2	400	1.53
		3 1/2	LG1250350	22.2	311	1.4	400	1.80
		4	LG1250400	19.2	307	1.6	397	2.07
		4 1/2	LG1250450	16.9	304	1.8	397	2.35
1 1/2	3/4	5	LG1250500	15.0	300	2.0	390	2.60
		5 1/2	LG1250550	13.5	297	2.2	386	2.86
		6	LG1250600	12.3	295	2.4	383	3.11
		7	LG1250700	10.4	291	2.8	377	3.63
		8	LG1250800	9.1	289	3.2	375	4.14
		10	LG1251000	7.2	287	4.0	369	5.15
		12	LG1251200	5.9	284	4.8	366	6.18
		2	LG1500200	60.3	483	0.8	609	1.01
		2 1/2	LG1500250	45.8	458	1.0	582	1.27
		3	LG1500300	37.6	451	1.2	575	1.53
		3 1/2	LG1500350	31.8	445	1.4	572	1.80
		4	LG1500400	27.3	437	1.6	565	2.07
4 1/2	LG1500450	24.1	433	1.8	561	2.33		
5	LG1500500	21.6	432	2.0	559	2.59		
5 1/2	LG1500550	19.4	427	2.2	559	2.88		
2	1	6	LG1500600	17.6	423	2.4	549	3.12
		7	LG1500700	15.0	420	2.8	546	3.64
		8	LG1500800	13.0	416	3.2	528	4.06
		10	LG1501000	10.3	412	4.0	524	5.09
		12	LG1501200	8.5	407	4.8	516	6.10
		2 1/2	LG2000250	89.7	897	1.0	1148	1.28
		3	LG2000300	71.8	861	1.2	1098	1.53
		3 1/2	LG2000350	59.8	837	1.4	1076	1.80
		4	LG2000400	51.3	821	1.6	1062	2.07
		4 1/2	LG2000450	44.8	806	1.8	1044	2.33
		5	LG2000500	39.9	797	2.0	1029	2.58
		5 1/2	LG2000550	36.0	792	2.2	1029	2.86
2 1/2	1 1/2	6	LG2000600	32.6	782	2.4	1017	3.12
		7	LG2000700	27.6	773	2.8	1007	3.65
		8	LG2000800	23.7	758	3.2	984	4.15
		10	LG2001000	18.8	752	4.0	978	5.20
		12	LG2001200	15.4	738	4.8	960	6.23
		3	LG2500300	110.0	1320	1.2	1640	1.49
		3 1/2	LG2500350	90.1	1261	1.4	1575	1.75
		4	LG2500400	76.4	1222	1.6	1528	2.00
		4 1/2	LG2500450	66.2	1192	1.8	1490	2.25
		5	LG2500500	58.0	1160	2.0	1456	2.51
		6	LG2500600	47.7	1145	2.4	1440	3.02
		7	LG2500700	40.1	1122	2.8	1412	3.52
8	LG2500800	34.5	1104	3.2	1390	4.03		
10	LG2501000	26.8	1072	4.0	1345	5.02		
12	LG2501200	22.1	1061	4.8	1330	6.02		



Medium Load Springs

Color: Blue

MB



Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table				
					Maximum Operating Deflection (37.5% of LO)		Total Travel to Solid		
					Load lbs.	Deflect in.	Load lbs.	Deflect in.	
D	d	LO							
3/8	3/16	1	MB0370100	7.2	26.9	0.37	30.8	0.43	
		1 1/4	MB0370125	5.6	26.1	0.47	30	0.54	
		1 1/2	MB0370150	4.5	25.3	0.56	29.3	0.65	
		1 3/4	MB0370175	3.8	24.9	0.66	28.8	0.76	
		2	MB0370200	3.3	24.5	0.75	28.4	0.87	
		2 1/2	MB0370250	2.6	24.1	0.94	28.3	1.10	
		3	MB0370300	2.1	23.7	1.12	28	1.33	
		12	MB0371200	0.5	23.0	4.50	27.6	5.42	
1/2	9/32	1	MB0500100	13.0	48.8	0.37	55.9	0.43	
		1 1/4	MB0500125	10.0	46.8	0.47	54.9	0.55	
		1 1/2	MB0500150	8.1	45.8	0.56	54.6	0.67	
		1 3/4	MB0500175	6.7	44.2	0.66	53.2	0.79	
		2	MB0500200	5.8	43.7	0.75	53	0.91	
		2 1/2	MB0500250	4.5	42.4	0.94	52	1.15	
		3	MB0500300	3.7	41.7	1.12	50.8	1.37	
		12	MB0501200	0.9	39.8	4.50	50.5	5.72	
5/8	11/32	1	MB0620100	19.3	72.4	0.37	81	0.42	
		1 1/4	MB0620125	14.3	67.0	0.47	75.8	0.53	
		1 1/2	MB0620150	11.5	64.7	0.56	74.8	0.65	
		1 3/4	MB0620175	9.5	62.5	0.66	72.4	0.76	
		2	MB0620200	8.1	61.0	0.75	70.7	0.87	
		2 1/2	MB0620250	6.3	58.9	0.94	69	1.10	
		3	MB0620300	5.1	57.6	1.12	68.1	1.33	
		12	MB0621200	1.2	54.0	4.50	66	5.50	
3/4	3/8	1	MB0750100	51.5	193	0.38	227	0.44	
		1 1/4	MB0750125	38.9	182	0.47	212	0.55	
		1 1/2	MB0750150	31.3	176	0.56	206	0.66	
		1 3/4	MB0750175	25.8	169	0.66	197	0.76	
		2	MB0750200	22.2	167	0.75	194	0.87	
		2 1/2	MB0750250	17.3	165	0.94	189	1.09	
		3	MB0750300	14.2	160	1.12	186	1.31	
		3 1/2	MB0750350	12.2	160	1.31	186	1.54	
		4	MB0750400	10.6	159	1.50	186	1.75	
		4 1/2	MB0750450	9.3	157	1.69	184	1.98	
		5	MB0750500	8.3	156	1.87	184	2.21	
		12	MB0751200	3.5	156	4.50	183	5.35	

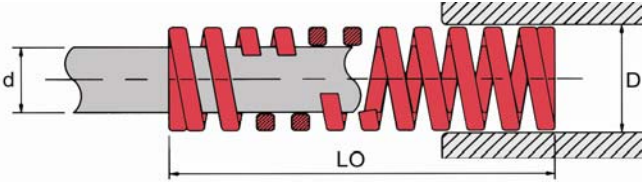
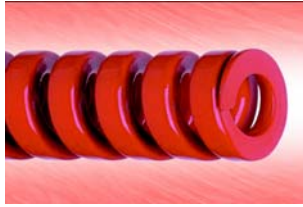
Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table				
					Maximum Operating Deflection (37.5% of LO)		Total Travel to Solid		
					Load lbs.	Deflect in.	Load lbs.	Deflect in.	
D	d	LO							
1	1/2	1	MB1000100	95.1	357	0.37	409	0.43	
		1 1/4	MB1000125	71.3	334	0.47	385	0.54	
		1 1/2	MB1000150	56.4	317	0.56	367	0.65	
		1 3/4	MB1000175	47.5	312	0.66	366	0.77	
		2	MB1000200	41.1	308	0.75	366	0.89	
		2 1/2	MB1000250	31.5	295	0.94	350	1.11	
		3	MB1000300	25.8	290	1.12	346	1.34	
		3 1/2	MB1000350	21.7	285	1.31	336	1.55	
		4	MB1000400	18.8	282	1.50	333	1.77	
		4 1/2	MB1000450	16.6	280	1.69	332	2.00	
		5	MB1000500	15.0	280	1.87	332	2.25	
		5 1/2	MB1000550	13.5	279	2.06	332	2.48	
1 1/4	5/8	1 1/2	MB1250150	94.7	533	0.56	606	0.65	
		1 3/4	MB1250175	77.9	511	0.66	584	0.75	
		2	MB1250200	66.2	496	0.75	569	0.86	
		2 1/2	MB1250250	50.1	470	0.94	531	1.06	
		3	MB1250300	40.5	456	1.12	514	1.27	
		3 1/2	MB1250350	34.2	445	1.31	510	1.49	
		4	MB1250400	29.6	444	1.50	510	1.71	
		4 1/2	MB1250450	26.3	444	1.69	510	1.94	
		5	MB1250500	23.7	444	1.87	510	2.18	
		5 1/2	MB1250550	21.4	441	2.06	510	2.39	
		6	MB1250600	19.4	437	2.25	506	2.61	
		7	MB1250700	16.6	437	2.62	506	3.05	
1 1/2	3/4	8	MB1250800	14.4	432	3.00	501	3.48	
		10	MB1251000	11.4	428	3.75	498	4.36	
		12	MB1251200	9.5	428	4.50	498	5.25	
		2	MB1500200	97.5	731	0.75	809	0.83	
		2 1/2	MB1500250	73.6	690	0.94	765	1.04	
		3	MB1500300	60.1	676	1.12	757	1.26	
		3 1/2	MB1500350	50.1	658	1.31	736	1.47	
		4	MB1500400	43.4	651	1.50	733	1.69	
		4 1/2	MB1500450	38.0	641	1.69	720	1.89	
		5	MB1500500	34.0	638	1.87	720	2.12	
		5 1/2	MB1500550	31.0	638	2.06	720	2.33	
		6	MB1500600	28.0	630	2.25	714	2.55	
2	1	7	MB1500700	23.7	622	2.62	709	2.99	
		8	MB1500800	20.6	618	3.00	707	3.42	
		10	MB1501000	16.5	618	3.75	707	4.33	
		12	MB1501200	13.6	612	4.50	703	5.17	
		2 1/2	MB2000250	121.0	1133	0.94	1272	1.05	
		3	MB2000300	95.6	1076	1.12	1197	1.25	
		3 1/2	MB2000350	80.2	1053	1.31	1180	1.46	
		4	MB2000400	69.5	1043	1.50	1180	1.70	
		4 1/2	MB2000450	61.2	1033	1.69	1180	1.93	
		5	MB2000500	54.0	1013	1.87	1160	2.13	
		5 1/2	MB2000550	49.0	1009	2.06	1155	2.36	
		6	MB2000600	44.6	1004	2.25	1160	2.59	
2 1/2	1 1/2	7	MB2000700	37.9	995	2.62	1155	3.05	
		8	MB2000800	32.8	984	3.00	1140	3.47	
		9	MB2000900	29.0	979	3.38	1140	3.93	
		10	MB2001000	26.1	979	3.75	1140	4.39	
		12	MB2001200	21.5	968	4.50	1135	5.27	
		3	MB2500300	174.0	1954	1.12	2240	1.29	
		3 1/2	MB2500350	143.0	1872	1.31	2160	1.52	
		4	MB2500400	121.0	1814	1.50	2104	1.74	
		4 1/2	MB2500450	106.0	1792	1.69	2103	1.98	
		5	MB2500500	93.7	1757	1.87	2080	2.22	
		5 1/2	MB2500600	75.8	1706	2.25	2024	2.67	
		7	MB2500700	63.7	1672	2.62	1987	3.12	
8	MB2500800	54.9	1647	3.00	1960	3.57			
9	MB2500900	48.7	1643	3.38	1960	4.06			
10	MB2501000	43.8	1642	3.75	1960	4.56			
12	MB2501200	36.2	1629	4.50	1960	5.45			



Heavy Duty Springs

Color: Red

HR



Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table				
					Maximum Operating Deflection (30% of LO)		Total Travel to Solid		
					Load lbs.	Deflect in.	Load lbs.	Deflect in.	
D	d	LO							
1	1/2	1 1/4	HR1000125	158.0	592	0.38	663	0.42	
		1 1/2	HR1000150	125.0	564	0.45	639	0.51	
		1 3/4	HR1000175	105.0	558	0.53	642	0.61	
		2	HR1000200	89.8	539	0.60	638	0.71	
		2 1/2	HR1000250	69.4	521	0.75	618	0.89	
		3	HR1000300	57.2	515	0.90	618	1.08	
		3 1/2	HR1000350	48.2	506	1.05	618	1.28	
		4	HR1000400	42.0	504	1.20	618	1.47	
		4 1/2	HR1000450	37.2	502	1.35	618	1.66	
		5	HR1000500	33.2	498	1.50	618	1.86	
		5 1/2	HR1000550	30.0	498	1.65	618	2.06	
		6	HR1000600	27.6	497	1.80	618	2.24	
7	HR1000700	23.6	496	2.10	618	2.62			
8	HR1000800	20.5	494	2.40	618	3.02			
12	HR1001200	13.8	494	3.60	618	4.60			
1 1/4	5/8	1 1/2	HR1250150	215.0	967	0.45	1052	0.49	
		1 3/4	HR1250175	177.0	940	0.53	1026	0.58	
		2	HR1250200	150.0	902	0.60	1007	0.67	
		2 1/2	HR1250250	117.0	876	0.75	1004	0.86	
		3	HR1250300	94.7	852	0.90	985	1.04	
		3 1/2	HR1250350	79.1	831	1.05	973	1.23	
		4	HR1250400	69.1	829	1.20	974	1.41	
		4 1/2	HR1250450	60.8	821	1.35	960	1.59	
		5	HR1250500	54.7	821	1.50	985	1.80	
		5 1/2	HR1250550	49.0	809	1.65	965	1.97	
		6	HR1250600	44.9	808	1.80	965	2.15	
		7	HR1250700	38.1	800	2.10	960	2.52	
8	HR1250800	33.0	792	2.40	947	2.87			
10	HR1251000	26.4	792	3.00	960	3.65			
12	HR1251200	21.8	785	3.60	951	4.36			
1 1/2	3/4	2	HR1500200	201.0	1207	0.60	1388	0.69	
		2 1/2	HR1500250	153.0	1150	0.75	1350	0.88	
		3	HR1500300	125.0	1125	0.90	1340	1.07	
		3 1/2	HR1500350	106.0	1108	1.05	1340	1.27	
		4	HR1500400	90.7	1088	1.20	1333	1.47	
		4 1/2	HR1500450	80.5	1086	1.35	1340	1.69	
		5	HR1500500	71.5	1072	1.50	1337	1.87	
		5 1/2	HR1500550	64.0	1065	1.65	1335	2.08	
		6	HR1500600	59.1	1064	1.80	1347	2.28	
		7	HR1500700	50.3	1056	2.10	1343	2.67	
		8	HR1500800	43.8	1051	2.40	1347	3.07	
		10	HR1501000	34.6	1038	3.00	1332	3.85	
12	HR1501200	28.7	1033	3.60	1339	4.65			
2	1	2 1/2	HR2000250	242.0	1815	0.75	2080	0.86	
		3	HR2000300	193.0	1737	0.90	2007	1.04	
		3 1/2	HR2000350	161.0	1686	1.05	1960	1.22	
		4	HR2000400	140.0	1678	1.20	1960	1.43	
		4 1/2	HR2000450	123.0	1658	1.35	1960	1.63	
		5	HR2000500	108.0	1622	1.50	1935	1.79	
		5 1/2	HR2000550	97.0	1600	1.65	1910	1.97	
		6	HR2000600	88.1	1586	1.80	1910	2.15	
		7	HR2000700	75.1	1583	2.10	1910	2.55	
		8	HR2000800	65.9	1582	2.40	1910	2.91	
		10	HR2001000	51.6	1548	3.00	1875	3.62	
		12	HR2001200	42.7	1537	3.60	1875	4.45	

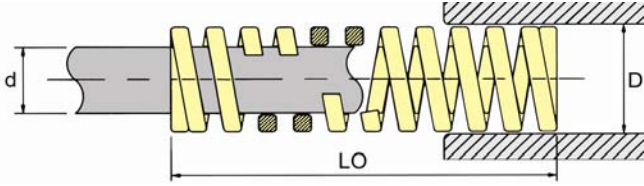
Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table			
					Maximum Operating Deflection (30% of LO)		Total Travel to Solid	
					Load lbs.	Deflect in.	Load lbs.	Deflect in.
D	d	LO						
3/8	3/16	1	HR0370100	12.1	36	0.30	43	0.35
		1 1/4	HR0370125	9.4	35	0.38	43	0.46
		1 1/2	HR0370150	7.6	34	0.45	42	0.55
		1 3/4	HR0370175	6.5	34	0.53	42	0.66
		2	HR0370200	5.6	33	0.60	42	0.75
		2 1/2	HR0370250	4.4	33	0.75	42	0.97
		3	HR0370300	3.6	32	0.90	42	1.15
		12	HR0371200	0.9	31	3.60	41	4.74
1/2	9/32	1	HR0500100	22.5	68	0.30	78	0.34
		1 1/4	HR0500125	17.2	64	0.38	76	0.44
		1 1/2	HR0500150	13.8	62	0.45	74	0.53
		1 3/4	HR0500175	11.5	61	0.53	73	0.63
		2	HR0500200	10.1	61	0.60	73	0.75
		2 1/2	HR0500250	7.9	59	0.75	73	0.95
		3	HR0500300	6.5	58	0.90	73	1.15
		3 1/2	HR0500350	5.5	58	1.05	73	1.33
12	HR0501200	1.5	55	3.60	72	4.73		
5/8	11/32	1	HR0620100	49.7	149	0.30	170	0.34
		1 1/4	HR0620125	36.6	137	0.38	160	0.43
		1 1/2	HR0620150	29.6	133	0.45	160	0.54
		1 3/4	HR0620175	24.0	126	0.53	151	0.63
		2	HR0620200	20.8	125	0.60	151	0.74
		2 1/2	HR0620250	16.2	122	0.75	151	0.94
		3	HR0620300	13.3	120	0.90	151	1.15
		3 1/2	HR0620350	11.3	119	1.05	151	1.37
		4	HR0620400	9.8	118	1.20	151	1.57
		12	HR0621200	3.1	112	3.60	150	4.83
3/4	3/8	1	HR0750100	132.0	396	0.30	436	0.33
		1 1/4	HR0750125	99.6	374	0.38	418	0.42
		1 1/2	HR0750150	79.3	357	0.45	404	0.51
		1 3/4	HR0750175	65.0	345	0.53	383	0.59
		2	HR0750200	55.9	335	0.60	375	0.67
		2 1/2	HR0750250	43.9	329	0.75	377	0.86
		3	HR0750300	36.1	325	0.90	373	1.03
		3 1/2	HR0750350	30.7	322	1.05	371	1.21
		4	HR0750400	26.7	320	1.20	371	1.39
		4 1/2	HR0750450	23.6	319	1.35	371	1.58
		5	HR0750500	21.2	318	1.50	371	1.75
		5 1/2	HR0750550	19.4	318	1.65	371	1.92
6	HR0750600	17.6	317	1.80	371	2.11		
12	HR0751200	8.6	309	3.60	360	4.18		



Extra Heavy Duty Springs

XY

Color: Yellow



Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table				
					Maximum Operating Deflection (25% of LO)		Total Travel to Solid		
					Load lbs.	Deflect in.	Load lbs.	Deflect in.	
D	d	LO							
3/8	3/16	1	XY0370100	18.7	46.8	0.25	62	0.33	
		1 1/4	XY0370125	14.3	45.0	0.31	60	0.41	
		1 1/2	XY0370150	12.1	45.0	0.38	60	0.52	
		1 3/4	XY0370175	10.1	44.2	0.44	60	0.60	
		2	XY0370200	8.8	43.8	0.50	60	0.68	
		2 1/2	XY0370250	7.0	43.5	0.63	60	0.86	
		3	XY0370300	5.8	43.3	0.75	60	1.05	
		12	XY0371200	1.4	42.0	3.00	59	4.20	
1/2	9/32	1	XY0500100	33.5	84	0.25	119	0.35	
		1 1/4	XY0500125	25.3	79	0.31	110	0.43	
		1 1/2	XY0500150	20.7	78	0.38	110	0.52	
		1 3/4	XY0500175	17.5	77	0.44	110	0.61	
		2	XY0500200	15.5	77	0.50	110	0.72	
		2 1/2	XY0500250	12.4	77	0.63	110	0.90	
		3	XY0500300	10.1	76	0.75	110	1.12	
		3 1/2	XY0500350	8.6	75	0.88	110	1.31	
		12	XY0501200	2.4	72	3.00	108	4.47	
		5/8	11/32	1	XY0620100	72.1	180	0.25	256
1 1/4	XY0620125			53.3	167	0.31	230	0.43	
1 1/2	XY0620150			43.0	161	0.38	221	0.51	
1 3/4	XY0620175			36.0	158	0.44	220	0.60	
2	XY0620200			31.4	157	0.50	220	0.71	
2 1/2	XY0620250			24.5	153	0.63	218	0.88	
3	XY0620300			20.1	151	0.75	216	1.06	
3 1/2	XY0620350			17.1	150	0.88	215	1.26	
4	XY0620400			14.9	149	1.00	215	1.45	
12	XY0621200			4.8	145	3.00	214	4.43	
3/4	3/8	1	XY0750100	184.0	460	0.25	551	0.30	
		1 1/4	XY0750125	138.0	431	0.31	535	0.39	
		1 1/2	XY0750150	112.0	419	0.38	535	0.48	
		1 3/4	XY0750175	92.8	406	0.44	529	0.57	
		2	XY0750200	80.1	401	0.50	527	0.66	
		2 1/2	XY0750250	62.5	391	0.63	525	0.84	
		3	XY0750300	51.5	386	0.75	522	1.02	
		3 1/2	XY0750350	43.4	380	0.88	516	1.19	
		4	XY0750400	37.5	375	1.00	508	1.36	
		4 1/2	XY0750450	33.0	371	1.13	508	1.52	
		5	XY0750500	29.7	371	1.25	505	1.71	
		5 1/2	XY0750550	27.0	371	1.38	505	1.87	
		6	XY0750600	24.4	366	1.50	505	2.04	
		12	XY0751200	12.1	363	3.00	505	4.16	

Hole Dia.	Rod Dia.	Free Length	CATALOG NUMBER	RATE Pounds Required To Deflect 1/10 inch	Load-Deflection Table			
					Maximum Operating Deflection (25% of LO)		Total Travel to Solid	
					Load lbs.	Deflect in.	Load lbs.	Deflect in.
D	d	LO						
1	1/2	1 1/4	XY1000125	202.0	637	0.31	799	0.40
		1 1/2	XY1000150	160.0	600	0.38	768	0.48
		1 3/4	XY1000175	132.0	589	0.44	749	0.57
		2	XY1000200	113.0	564	0.50	733	0.65
		2 1/2	XY1000250	87.9	549	0.63	735	0.84
		3	XY1000300	71.4	536	0.75	720	1.01
		3 1/2	XY1000350	60.2	526	0.88	720	1.18
		4	XY1000400	52.0	520	1.00	715	1.35
		4 1/2	XY1000450	46.2	520	1.13	715	1.55
		5	XY1000500	41.2	515	1.25	715	1.72
		5 1/2	XY1000550	38.0	515	1.38	715	1.91
		6	XY1000600	34.4	515	1.50	715	2.11
1 1/4	5/8	1 1/2	XY1250150	279.0	1047	0.38	1231	0.44
		1 3/4	XY1250175	231.0	1011	0.44	1225	0.53
		2	XY1250200	197.0	986	0.50	1222	0.62
		2 1/2	XY1250250	153.0	953	0.63	1220	0.80
		3	XY1250300	123.0	925	0.75	1200	0.97
		3 1/2	XY1250350	104.0	911	0.88	1195	1.15
		4	XY1250400	89.1	891	1.00	1160	1.30
		4 1/2	XY1250450	77.8	875	1.13	1160	1.46
		5	XY1250500	69.8	873	1.25	1160	1.64
		5 1/2	XY1250550	64.0	870	1.38	1160	1.85
		6	XY1250600	57.9	869	1.50	1160	2.00
		7	XY1250700	49.0	858	1.75	1160	2.33
8	XY1250800	42.8	856	2.00	1160	2.69		
10	XY1251000	34.1	853	2.50	1160	3.42		
12	XY1251200	28.3	849	3.00	1160	4.14		
1 1/2	3/4	2	XY1500200	320.0	1598	0.50	1964	0.62
		2 1/2	XY1500250	241.0	1504	0.63	1885	0.78
		3	XY1500300	193.0	1448	0.75	1834	0.95
		3 1/2	XY1500350	161.0	1411	0.88	1802	1.12
		4	XY1500400	140.0	1395	1.00	1813	1.30
		4 1/2	XY1500450	122.0	1373	1.13	1796	1.47
		5	XY1500500	109.0	1356	1.25	1779	1.64
		5 1/2	XY1500550	98.0	1348	1.38	1774	1.81
		6	XY1500600	88.8	1332	1.50	1754	1.97
		7	XY1500700	75.1	1314	1.75	1733	2.31
		8	XY1500800	65.1	1302	2.00	1730	2.65
		10	XY1501000	71.7	1293	2.50	1730	3.35
12	XY1501200	42.9	1287	3.00	1730	4.06		
2	1	2 1/2	XY2000250	413.0	2583	0.63	3140	0.76
		3	XY2000300	327.0	2453	0.75	3013	0.92
		3 1/2	XY2000350	271.0	2369	0.88	2929	1.08
		4	XY2000400	231.0	2309	1.00	2872	1.24
		4 1/2	XY2000450	201.0	2265	1.13	2828	1.41
		5	XY2000500	178.0	2230	1.25	2794	1.57
		5 1/2	XY2000550	161.0	2214	1.38	2790	1.75
		6	XY2000600	145.0	2181	1.50	2745	1.89
		7	XY2000700	123.0	2147	1.75	2712	2.21
		8	XY2000800	106.0	2122	2.00	2686	2.53
		10	XY2001000	83.5	2088	2.50	2653	3.18
		12	XY2001200	68.9	2067	3.00	2633	3.82

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