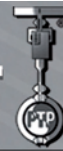


VARIABLE SPRING SUPPORTS: LOAD AND TRAVEL TABLE (U.S.)

WITH LOAD IN POUNDS AND TRAVEL IN INCHES

WORKING RANGE, INCHES					HANGER SIZE																				SPRING DEFLECTION, INCHES																																																																																																																																																																																																																																																																																																								
PTP 8	PTP 6	PTP 4	PTP 2	PTP 1	00	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	PTP 1	PTP 2	PTP 4	PTP 6	PTP 8																																																																																																																																																																																																																																																																																																	
					ROD SIZE 1/2"					5/8"					3/4"					1"					1 1/4"					1 1/2"					1 3/4"					2"					2 1/4"					2 1/2"					2 3/4"					3"																																																																																																																																																																																																																																																																					
0	0	0	0	0	43	63	81	105	141	189	252	336	450	600	780	1,020	1,350	1,800	2,400	3,240	4,500	6,000	7,990	10,610	14,100	18,750	25,005	0	0	0	0	0	44	66	84	109	147	197	263	350	469	625	813	1,063	1,406	1,875	2,500	3,375	4,688	6,250	8,322	11,053	14,688	19,531	26,074	1/4	1/2	1	1 1/2	2																																																																																																																																																																																																																																																																					
					46	68	88	114	153	206	273	364	488	650	845	1,105	1,463	1,950	2,600	3,510	4,875	6,500	8,655	11,495	15,275	20,313	27,089	1/2	1	2	3	4																																																																																																																																																																																																																																																																																																	
					48	71	91	118	159	213	284	378	506	675	878	1,148	1,519	2,025	2,700	3,645	5,063	6,750	8,987	11,938	15,863	21,094	28,131	3/4	1 1/2	3	4 1/2	6																																																																																																																																																																																																																																																																																																	
					50	74	95	123	165	221	294	392	525	700	910	1,190	1,575	2,100	2,800	3,780	5,250	7,000	9,320	12,380	16,450	21,875	29,173	1	2	4	6	8																																																																																																																																																																																																																																																																																																	
2	1 1/2	1	1/2	1/4	52	76	98	127	170	228	305	406	544	725	943	1,233	1,631	2,175	2,900	3,915	5,438	7,250	9,652	12,823	17,038	22,656	30,215	1 1/4	2 1/2	5	7 1/2	10																																																																																																																																																																																																																																																																																																	
					54	79	101	131	176	236	315	420	563	750	975	1,275	1,688	2,250	3,000	4,050	5,625	7,500	9,985	13,265	17,625	23,438	31,256	1 1/2	3	6	9	12																																																																																																																																																																																																																																																																																																	
					56	81	105	136	182	244	326	434	581	775	1,008	1,318	1,744	2,325	3,100	4,185	5,813	7,750	10,317	13,708	18,213	24,219	32,298	2	4	8	12	16																																																																																																																																																																																																																																																																																																	
					58	84	108	140	188	252	336	448	600	800	1,040	1,360	1,800	2,400	3,200	4,320	6,000	8,000	10,650	14,150	18,800	25,000	33,340	2 1/2	5	10	15	20																																																																																																																																																																																																																																																																																																	
4	3	2	1	1/2	59	87	111	144	194	260	347	462	619	825	1,073	1,403	1,856	2,475	3,300	4,455	6,188	8,250	10,982	14,592	19,388	25,781	34,382	3	6	12	18	24																																																																																																																																																																																																																																																																																																	
					61	89	115	149	200	268	357	476	638	850	1,105	1,445	1,913	2,550	3,400	4,590	6,375	8,500	11,315	15,035	19,975	26,563	35,424	3 1/2	7	14	21	28																																																																																																																																																																																																																																																																																																	
					63	92	118	153	206	276	368	490	656	875	1,138	1,488	1,969	2,625	3,500	4,725	6,563	8,750	11,647	15,477	20,563	27,344	36,466	4	8	16	24	32																																																																																																																																																																																																																																																																																																	
					65	95	122	158	212	284	378	504	675	900	1,170	1,530	2,025	2,700	3,600	4,860	6,750	9,000	11,980	15,920	21,150	28,125	37,508	4 1/2	9	18	27	36																																																																																																																																																																																																																																																																																																	
6	4 1/2	3	1 1/2	3/4	67	97	125	162	217	291	389	518	694	925	1,203	1,573	2,081	2,775	3,700	4,995	6,938	9,250	12,312	16,362	21,738	28,906	38,549	5	10	20	30	40																																																																																																																																																																																																																																																																																																	
					69	100	128	166	223	299	399	532	713	950	1,235	1,615	2,138	2,850	3,800	5,130	7,125	9,500	12,645	16,805	22,325	29,688	39,591	5 1/2	11	22	33	44																																																																																																																																																																																																																																																																																																	
					71	102	132	171	229	307	410	546	731	975	1,268	1,658	2,194	2,925	3,900	5,265	7,313	9,750	12,977	17,247	22,913	30,469	40,633	6	12	24	36	48																																																																																																																																																																																																																																																																																																	
					73	105	135	175	235	315	420	560	750	1,000	1,300	1,700	2,250	3,000	4,000	5,400	7,500	10,000	13,310	17,690	23,500	31,250	41,675	6 1/2	13	26	39	52																																																																																																																																																																																																																																																																																																	
8	6	4	2	1	74	108	138	179	241	323	431	574	769	1,025	1,333	1,743	2,306	3,075	4,100	5,535	7,688	10,250	13,642	18,132	24,088	32,031	42,717	7	14	28	42	56																																																																																																																																																																																																																																																																																																	
					76	110	142	184	247	331	441	588	788	1,050	1,365	1,785	2,363	3,150	4,200	5,670	7,875	10,500	13,975	18,575	24,675	32,813	43,759	7 1/2	15	30	45	60																																																																																																																																																																																																																																																																																																	
					78	113	145	188	253	339	452	602	806	1,075	1,398	1,828	2,419	3,225	4,300	5,805	8,063	10,750	14,307	19,017	25,263	33,594	44,801	8	16	32	48	64																																																																																																																																																																																																																																																																																																	
					80	116	149	193	258	347	462	616	825	1,100	1,430	1,870	2,475	3,300	4,400	5,940	8,250	11,000	14,640	19,460	25,850	34,375	45,843	8 1/2	17	34	51	68																																																																																																																																																																																																																																																																																																	
10	7 1/2	5	2 1/2	1 1/4	82	118	152	197	264	354	473	630	844	1,125	1,463	1,913	2,531	3,375	4,500	6,075	8,438	11,250	14,972	19,902	26,438	35,156	46,885	9	18	36	54	72																																																																																																																																																																																																																																																																																																	
					84	121	155	201	270	362	483	644	863	1,150	1,495	1,955	2,588	3,450	4,600	6,210	8,625	11,500	15,305	20,345	27,025	35,938	47,926	9 1/2	19	38	57	76																																																																																																																																																																																																																																																																																																	
					86	123	159	206	276	370	494	658	881	1,175	1,528	1,998	2,644	3,525	4,700	6,345	8,813	11,750	15,637	20,787	27,613	36,719	48,968	10	20	40	60	80																																																																																																																																																																																																																																																																																																	
					88	126	162	210	282	378	504	672	900	1,200	1,560	2,040	2,700	3,600	4,800	6,480	9,000	12,000	15,970	21,230	28,200	37,500	50,010	10 1/2	21	42	63	84																																																																																																																																																																																																																																																																																																	
SPRING SCALE LB. / INCH																																																																																																																																																																																																																																																																																																																																	
30														42														54														70														94														126														168														224														300														400														520														680														900														1,200														1,600														2,160														3,000														4,000														5,320														7,080														9,400														12,500														16,670													
15														21														27														35														47														63														84														112														150														200														260														340														450														600														800														1,080														1,500														2,000														2,660														3,540														4,700														6,250														8,335													
7														10														13														17														23														31														42														56														75														100														130														170														225														300														400														540														750														1,000														1,330														1,770														2,350														3,125														4,167													
5														7														9														12														16														21														28														37														50														67														87														113														150														200														267														360														500														667														887														1,180														1,567														2,083														2,778													
4														5														7														9														12														16														21														28														38														50														65														85														113														150														200														270														375														500														665														885														1,175														1,563														2,034													



VARIABLE SPRING SUPPORTS: LOAD AND TRAVEL TABLE (METRIC)

WITH LOAD IN KILOGRAMS AND TRAVEL IN MILLIMETERS

WORKING RANGE, MILLIMETERS					HANGER SIZE																				SPRING DEFLECTION, MILLIMETERS																																							
PTP 8	PTP 6	PTP 4	PTP 2	PTP 1	00	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	PTP 1	PTP 2	PTP 4	PTP 6	PTP 8																																
					NOMINAL ROD SIZE 1/2"					5/8"					3/4"					1"					1 1/4"					1 1/2"					1 3/4"					2"					2 1/4"					2 1/2"					2 3/4"					3"				
0.0	0.0	0.0	0.0	0.0	20	29	37	48	64	86	114	152	204	272	354	463	612	816	1,089	1,470	2,041	2,722	3,620	4,817	6,396	8,505	11,342	6.4	12.7	25.4	38.1	50.8	6.4	12.7	19.1	25.4	31.7	38.1	44.5																									
					21	30	38	50	67	89	119	159	213	284	369	482	638	851	1,134	1,531	2,126	2,835	3,771	5,018	6,662	8,859	11,815																																					
					22	31	40	52	69	93	124	165	221	295	383	501	663	885	1,179	1,592	2,211	2,948	3,921	5,219	6,929	9,214	12,287																																					
					23	32	41	54	72	97	129	172	230	306	398	521	689	919	1,225	1,653	2,296	3,062	4,072	5,419	7,195	9,568	12,760																																					
					24	33	43	56	75	100	133	178	238	318	413	540	714	953	1,270	1,715	2,381	3,175	4,223	5,620	7,462	9,923	13,233																																					
50.8	38.1	25.4	12.7	6.4	25	35	44	58	77	104	138	184	247	329	428	559	740	987	1,315	1,776	2,466	3,289	4,374	5,821	7,728	10,277	13,705	12.7	25.4	50.8	76.2	101.6	12.7	19.1	25.4	31.7	38.1	44.5																										
					26	36	46	60	80	107	143	191	255	340	442	578	765	1,021	1,361	1,837	2,552	3,402	4,525	6,022	7,995	10,631	14,178																																					
					26	37	48	62	83	111	148	197	264	352	457	598	791	1,055	1,406	1,898	2,637	3,515	4,675	6,222	8,261	10,986	14,650																																					
					27	38	49	64	85	114	152	203	272	363	472	617	816	1,089	1,452	1,960	2,722	3,629	4,826	6,423	8,528	11,340	15,123																																					
					28	39	51	66	88	118	157	210	281	374	486	636	842	1,123	1,497	2,021	2,807	3,742	4,977	6,624	8,794	11,694	15,596																																					
101.6	76.2	50.8	25.4	12.7	29	41	52	68	91	122	162	216	289	386	501	655	868	1,157	1,542	2,082	2,892	3,856	5,128	6,824	9,061	12,049	16,068	19.1	38.1	76.2	114.0	152.4	19.1	25.4	31.7	38.1	44.5																											
					30	42	54	70	93	125	167	222	298	397	516	675	893	1,191	1,588	2,143	2,977	3,969	5,279	7,025	9,327	12,403	16,541																																					
					31	43	55	71	96	129	172	229	306	408	531	694	919	1,225	1,633	2,205	3,062	4,082	5,430	7,226	9,594	12,758	17,013																																					
					32	44	57	73	99	132	176	235	315	420	545	713	944	1,259	1,678	2,266	3,147	4,196	5,580	7,427	9,860	13,112	17,486																																					
					32	45	58	75	101	136	181	241	323	431	560	733	970	1,293	1,724	2,327	3,232	4,309	5,731	7,627	10,127	13,466	17,959																																					
152.4	114.0	76.2	38.1	19.1	33	46	60	77	104	139	186	248	332	442	575	752	995	1,327	1,769	2,388	3,317	4,423	5,882	7,828	10,393	13,821	18,431	25.4	50.8	102.0	152.0	203.2	25.4	31.7	38.1	44.5																												
					34	48	61	79	107	143	191	254	340	454	590	771	1,021	1,361	1,814	2,449	3,402	4,536	6,033	8,029	10,660	14,175	18,904																																					
					35	49	63	81	109	147	195	260	349	465	604	790	1,046	1,395	1,860	2,511	3,487	4,649	6,184	8,229	10,926	14,529	19,376																																					
					36	50	64	83	112	150	200	267	357	476	619	810	1,072	1,429	1,905	2,572	3,572	4,763	6,335	8,430	11,193	14,884	19,849																																					
					37	51	66	85	115	154	205	273	366	488	634	829	1,097	1,463	1,950	2,633	3,657	4,876	6,485	8,631	11,459	15,238	20,322																																					
203.2	152.0	102.0	50.8	25.4	37	52	67	87	117	157	210	279	374	499	649	848	1,123	1,497	1,996	2,694	3,742	4,990	6,636	8,832	11,726	15,593	20,794	31.7	63.5	127.0	191.0	254.0	31.7	38.1	44.5																													
					38	54	69	89	120	161	214	286	383	510	663	868	1,148	1,531	2,041	2,756	3,827	5,103	6,787	9,032	11,992	15,947	21,267																																					
					39	55	70	91	123	164	219	292	391	522	678	887	1,174	1,565	2,087	2,817	3,912	5,216	6,938	9,233	12,299	16,301	21,739																																					
					40	56	72	93	125	168	224	299	400	533	693	906	1,199	1,599	2,132	2,878	3,997	5,330	7,089	9,434	12,525	16,656	22,212																																					
					41	57	74	95	128	172	229	305	408	544	708	925	1,225	1,633	2,177	2,939	4,082	5,443	7,239	9,634	12,792	17,010	22,685																																					
254.0	191.0	127.0	63.5	31.7	42	58	75	97	131	175	233	311	417	556	722	945	1,250	1,667	2,223	3,001	4,167	5,557	7,390	9,835	13,058	17,364	23,157	38.1	76.2	152.0	229.0	304.8	38.1	44.5																														
					43	60	77	99	133	179	238	318	425	567	737	964	1,276	1,701	2,268	3,062	4,253	5,670	7,541	10,036	13,325	17,719	23,630																																					
					44	61	78	101	136	182	243	324	434	578	752	983	1,301	1,735	2,313	3,123	4,338	5,783	7,692	10,237	13,591	18,073	24,102																																					
					44	62	80	103	139	186	248	330	442	590	767	1,002	1,327	1,769	2,359	3,184	4,423	5,897	7,843	10,437	13,857	18,428	24,575																																					
					SPRING SCALE KG / MM																														44.5	88.9	178.0	267.0	355.6																									
SPRING SCALE KG / MM																																																																
0.54	0.75	0.97	1.25	1.68	2.25	3.00	4.00	5.36	7.14	9.29	12.14	16.07	21.43	28.57	38.57	53.57	71.43	95.00	126.44	167.87	223.23	297.70																																										
0.27	0.38	0.48	0.63	0.84	1.13	1.50	2.00	2.68	3.57	4.64	6.07	8.04	10.72	14.29	19.29	26.79	35.72	47.50	63.22	83.94	111.61	148.80																																										
0.13	0.19	0.24	0.31	0.42	0.50	0.75	1.00	1.34	1.79	2.32	3.04	4.02	5.36	7.14	9.64	13.39	17.86	23.75	31.61	41.97	55.81	74.42																																										
0.09	0.13	0.16	0.21	0.28	0.38	0.50	0.67	0.89	1.19	1.55	2.02	2.68	3.57	4.76	6.43	8.93	11.90	15.83	21.07	27.98	37.20	49.62																																										
0.07	0.09	0.13	0.16	0.21	0.29	0.38	0.50	0.68	0.89	1.16	1.52	2.02	2.68	3.57	4.82	6.70	8.93	11.88	15.81	20.99	27.92	36.33																																										