



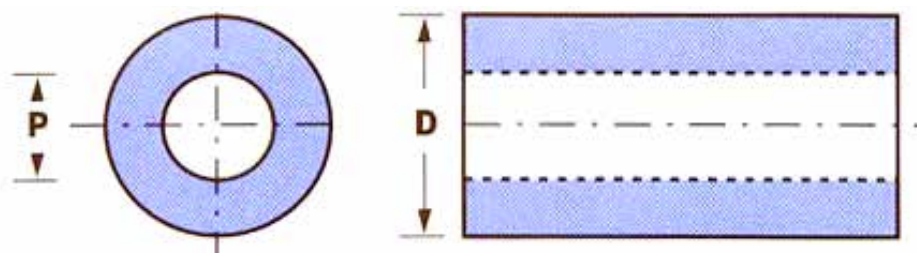
Offer higher stripping pressures than steel coil springs of same cross sectional area.

Product Features

- High Pressures
- Closer Center Distances
- High Tear Resistance
- Oil Resistant
- Punch Vibration Dampening
- Easy Installation and Replacement - No need for set screws or stripper bolts.
- No Sharpenellizing (Flying into pieces, when fractured under load) thus preventing injury to worker and damage to the die.
- Conventional Heavy Duty Die Springs Obtain up to 500 lbs. per 1/8" deflection, compared to 2600 lbs. per 1/8" deflection on our springs.
- Excellent Flex Life
- Non Marring
- Positive Stripping
- Quieter Operation Than Steel

Physical Properties of P.P.C's Urethane Tube Springs & Strippers

NO. Color	DT-15 Amber	DT-25 Red	DT-35 Green	DT-40 Yellow
Hardness:				
Shore A, duro	95A	90A	80A	60A
Deflection	15%	25%	30%	40%
Tensile Strength				
p.s.i. (D -470)	6500	5500	5000	3500



Standard Sizes from P.P.C.

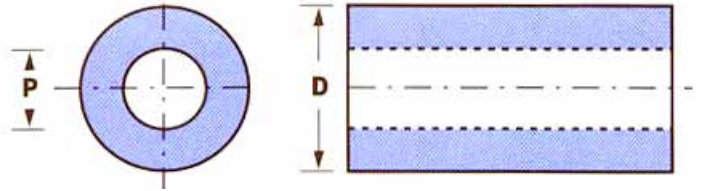
See our tables that show different sizes of tube springs available from stock. Metric sizes are available.

The I.D. of the tube spring (P) is slightly smaller than the nominal punch body diameter, so as to enable the spring to be pressed on the punch body.

Light Duty Urethane Springs

See this table that show different sizes of tube springs available from stock. Metric sizes are available.

The I.D. of the tube spring (P) is slightly smaller than the nominal punch body diameter, so as to enable the spring to be pressed on the punch body.

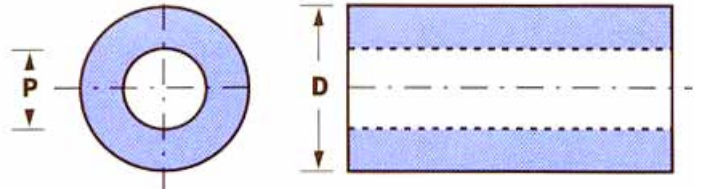


Part Number	Punch Body Dia (Inch)	Outside Diameter (Inch)	Length (Inch)	Load (Lbs) required to deflect		
				1/8"	1/4"	1/2"
PL-018-100	3/16	11/16	1	250	470	680
PL-018-125			1-1/4	195	365	525
PL-018-150			1-1/2	170	315	450
PL-018-FL			12-1/2	-	-	-
PL-025-100	1/4	3/4	1	295	555	785
PL-025-125			1-1/4	225	425	605
PL-025-150			1-1/2	195	365	520
PL-025-175			1-3/4	165	315	445
PL-025-FL			12-1/2	-	-	-
PL-031-100	5/16	11/16	1	325	615	875
PL-031-125			1-1/4	255	485	690
PL-031-150			1-1/2	220	415	595
PL-031-175			1-3/4	185	355	500
PL-031-200			2	160	300	425
PL-031-FL			12-1/2	-	-	-
PL-038-100	3/8	7/8	1	400	755	1080
PL-038-125			1-1/4	310	590	845
PL-038-150			1-1/2	250	475	675
PL-038-175			1-3/4	200	385	545
PL-038-200			2	180	340	480
PL-038-FL			24-1/2	-	-	-
PL-050-100	1/2	1	1	460	875	1240
PL-050-125			1-1/4	305	580	825
PL-050-150			1-1/2	295	555	790
PL-050-175			1-3/4	250	470	670
PL-050-200			2	225	425	605
PL-050-FL			24-1/2	-	-	-
PL-062-100	5/8	1-1/8	1	505	970	1365
PL-062-125			1-1/4	400	770	1080
PL-062-150			1-1/2	340	640	910
PL-062-175			1-3/4	300	555	805
PL-062-200			2	265	505	715
PL-062-FL			24-1/2	-	-	-
PL-075-125	3/4	1-3/8	1-1/4	675	1280	1815
PL-075-150			1-1/2	580	1100	1560
PL-075-175			1-3/4	500	950	1345
PL-075-200			2	430	820	1160
PL-075-225			2-1/4	375	710	1010
PL-075-FL			24-1/2	-	-	-
PL-088-125	7/8	1-5/8	1-1/4	950	1810	2565
PL-088-150			1-1/2	820	1555	2205
PL-088-175			1-3/4	705	1340	1905
PL-088-200			2	610	1160	1645
PL-088-225			2-1/4	530	1005	1430
PL-088-250			2-1/2	450	850	1210
PL-088-275			2-3/4	415	785	1115
PL-088-FL			24-1/2	-	-	-
PL-100-125	1	1-3/4	1-1/4	1025	1940	2760
PL-100-150			1-1/2	845	1065	2280
PL-100-175			1-3/4	710	1345	1915
PL-100-200			2	620	1175	1670
PL-100-225			2-1/4	555	1050	1495
PL-100-250			2-1/2	495	935	1330
PL-100-275			2-3/4	455	860	1225
PL-100-FL			24-1/2	-	-	-

Medium Duty Urethane Springs

See this table that show different sizes of tube springs available from stock. Metric sizes are available.

The I.D. of the tube spring (P) is slightly smaller than the nominal punch body diameter, so as to enable the spring to be pressed on the punch body.

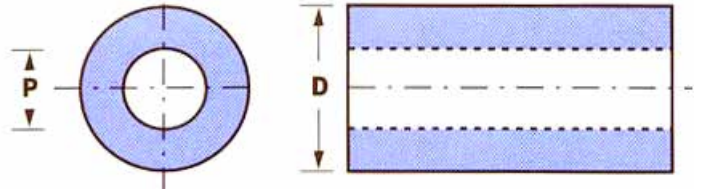


Part Number	Punch Body Dia (Inch)	Outside Diameter (Inch)	Length (Inch)	Load (Lbs) required to deflect		
				1/8"	1/4"	1/2"
PM-018-100	3/16	13/16	1	470	6985	960
PM-018-125			1-1/4	270	510	720
PM-018-150			1-1/2	230	440	630
PM-018-FL			12-1/2	-	-	-
PM-025-100	1/4	7/8	1	430	810	1150
PM-025-125			1-1/4	315	595	845
PM-025-150			1-1/2	270	515	730
PM-025-175			1-3/4	245	470	665
PM-025-FL			12-1/2	-	-	-
PM-031-100	5/16	15/16	1	410	790	1120
PM-031-125			1-1/4	350	660	940
PM-031-150			1-1/2	310	580	820
PM-031-175			1-3/4	260	490	700
PM-031-200			2	220	425	605
PM-031-FL			12-1/2	-	-	-
PM-038-100	3/8	1	1	515	975	1390
PM-038-125			1-1/4	430	810	1155
PM-038-150			1-1/2	350	665	940
PM-038-175			1-3/4	295	460	790
PM-038-200			2	255	485	690
PM-038-FL			24-1/2	-	-	-
PM-050-100	1/2	1-1/8	1	610	1160	1650
PM-050-125			1-1/4	470	895	1275
PM-050-150			1-1/2	380	725	1030
PM-050-175			1-3/4	315	600	850
PM-050-200			2	345	655	935
PM-050-FL			24-1/2	-	-	-
PM-062-100	5/8	1-1/4	1	715	1355	1930
PM-062-125			1-1/4	540	1025	1460
PM-062-150			1-1/2	380	870	1235
PM-062-175			1-3/4	315	720	1025
PM-062-200			2	345	655	935
PM-062-FL			24-1/2	-	-	-
PM-075-125	3/4	1-1/2	1-1/4	880	1670	2370
PM-075-150			1-1/2	730	1385	1965
PM-075-175			1-3/4	620	1175	1670
PM-075-200			2	530	1005	1435
PM-075-225			2-1/4	475	900	1280
PM-075-250			2-1/2	430	810	1155
PM-075-275			2-3/4	375	715	1015
PM-075-FL			24-1/2	-	-	-
PM-088-125	7/8	1-3/4	1-1/4	1195	2265	3220
PM-088-150			1-1/2	987	1870	2660
PM-088-175			1-3/4	845	1600	2275
PM-088-200			2	725	1370	1950
PM-088-225			2-1/4	650	1230	1750
PM-088-250			2-1/2	585	1105	1575
PM-088-275			2-3/4	510	970	1380
PM-088-300			3	390	740	1055
PM-088-FL			24-1/2	-	-	-
PM-100-125	1	2	1-1/4	1395	2650	3765
PM-100-150			1-1/2	1080	2050	2915
PM-100-175			1-3/4	875	1655	2350
PM-100-200			2	770	1460	2075
PM-100-225			2-1/4	695	1315	1870
PM-100-250			2-1/2	630	1195	1700
PM-100-275			2-3/4	570	1085	1540
PM-100-300			3	510	970	1380
PM-100-400			4	380	720	1025
PM-100-FL			24-1/2	-	-	-

Heavy Duty Urethane Springs

See this table that show different sizes of tube springs available from stock. Metric sizes are available.

The I.D. of the tube spring (P) is slightly smaller than the nominal punch body diameter, so as to enable the spring to be pressed on the punch body.



Part Number	Punch Body Dia (Inch)	Outside Diameter (Inch)	Length (Inch)	Load (Lbs) required to deflect		
				1/8"	1/4"	1/2"
PH-018-100	3/16	15/16	1	550	1050	1480
PH-018-125			1-1/4	420	805	1140
PH-018-150			1-1/2	310	580	820
PH-018-FL			12-1/2	-	-	-
PH-025-100	1/4	1	1	640	1215	1725
PH-025-125			1-1/4	490	935	1325
PH-025-150			1-1/2	360	680	965
PH-025-175			1-3/4	315	595	840
PH-025-FL			12-1/2	-	-	-
PH-031-100	5/16	1-1/16	1	580	1100	1570
PH-031-125			1-1/4	430	830	1180
PH-031-150			1-1/2	310	780	1110
PH-031-175			1-3/4	360	680	970
PH-031-200			2	290	550	780
PH-031-FL			12-1/2	-	-	-
PH-038-100	3/8	1-1/8	1	720	1360	1945
PH-038-125			1-1/4	535	1010	1445
PH-038-150			1-1/2	360	895	1265
PH-038-175			1-3/4	405	770	1090
PH-038-200			2	330	625	890
PH-038-FL			24-1/2	-	-	-
PH-050-100	1/2	1-1/4	1	780	1410	2110
PH-050-125			1-1/4	610	1090	1650
PH-050-150			1-1/2	495	885	1330
PH-050-175			1-3/4	445	795	1195
PH-050-200			2	405	730	1100
PH-050-FL			24-1/2	-	-	-
PH-062-100	5/8	1-3/8	1	880	1580	2365
PH-062-125			1-1/4	700	1255	1880
PH-062-150			1-1/2	575	1035	1555
PH-062-175			1-3/4	490	885	1325
PH-062-200			2	440	790	1190
PH-062-FL			24-1/2	-	-	-
PH-075-125	3/4	1-3/4	1-1/4	1260	2270	3400
PH-075-150			1-1/2	1080	1945	2920
PH-075-175			1-3/4	915	1645	2470
PH-075-200			2	806	1450	2420
PH-075-225			2-1/4	715	1285	1930
PH-075-250			2-1/2	635	1140	1710
PH-075-275			2-3/4	585	1055	1580
PH-075-FL			24-1/2	-	-	-
PH-088-125	7/8	2	1-1/4	1632	2935	4405
PH-088-150			1-1/2	1400	2515	3785
PH-088-175			1-3/4	1185	2130	3200
PH-088-200			2	1045	1875	2815
PH-088-225			2-1/4	925	1665	2505
PH-088-250			2-1/2	825	1485	2225
PH-088-275			2-3/4	760	1365	2055
PH-088-300			3	695	1245	1275
PH-088-FL			24-1/2	-	-	-
PH-100-125	1	2-1/2	1-1/4	2335	4200	6310
PH-100-150			1-1/2	1920	3455	5195
PH-100-175			1-3/4	1615	2910	4370
PH-100-200			2	1370	2480	3720
PH-100-225			2-1/4	1185	2130	3195
PH-100-250			2-1/2	1090	1960	2940
PH-100-275			2-3/4	995	1800	2700
PH-100-300			3	895	1610	2425
PH-100-400			4	660	1185	1785
PH-100-FL			24-1/2	-	-	-