

URETHANE COMPRESSION SPRINGS

Stock sizes in multiple durometers

Associated Spring Stock Urethane compression springs are designed to complement our steel wire applications where corrosion, vibration and magnetism prevent the use of a conventional steel spring. The SPEC line of urethane springs feature multiple durometers. This allows various load capacities within each specific size. SPEC urethane springs are compounded specially for optimized spring characteristics. Typical applications include vibration dampening, corrosive environments, high loads in confined spaces, cycle and static loading and nonmagnetic requirements.

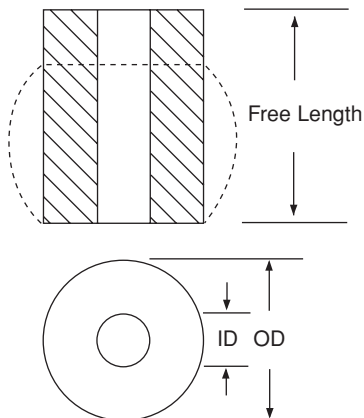
Material

Urethane rubber Durometers of 60A, 80A, 90A, 95A.

SPEC urethane is compounded to provide optimum spring characteristics.

Loading Applications

Urethane is a non-compressible material. The load of urethane spring is obtained by bulging of the tube walls. Most of the bulging is to the outside diameter. The growth in outside diameter is approximately equal to the percentage of spring deflection. Example: a 25mm spring is deflected .5mm or 20%. Increase the outside diameter by 20%. A spring with an initial outside diameter 19mm would bulge to 23mm. This expansion should be considered when selecting O.D. clearances.



Note:

Load data shown is from laboratory testing. Load-deflection curves for 95A durometers are not provided due to extremely high spring rates. 95A durometer is recommended for cushioning applications only.

Inside Diameters

Urethane springs can be guided through the I.D. by a rod. The rod can be that of the size listed in the data tables for an interference fit whereby the spring I.D. grips the rod. Or, the rod can be reduced for a free fit.

Properties

- Water and oil resistant.
- Operating temperatures:
From -60 degrees F. (-17.8 degrees C.) to 200 degrees F. (93.3 degrees C.).
- Non magnetic.
- 360 degree contact area.
- Bondable to mating parts.
- Can be mated to soft materials.
- Series stackable for additional deflection with use of spacers.

STOCK URETHANE COMPRESSION SPRINGS

Catalog Number	Rod Fit	Inside Diameter (ID)		Outside Diameter (OD)		Free Length (approx.)		Durometer	Load Data Graph
	in	in	mm	in	mm	in	mm		
P0188-0500-60A						0.500	12.70	60A	P0188-XXXX-60A
P0188-0750-60A						0.750	19.05	60A	P0188-XXXX-60A
P0188-1000-60A						1.000	25.40	60A	P0188-XXXX-60A
P0188-1250-60A						1.250	31.75	60A	P0188-XXXX-60A
P0188-0500-80A						0.500	12.70	80A	P0188-XXXX-80A
P0188-0750-80A						0.750	19.05	80A	P0188-XXXX-80A
P0188-1000-80A						1.000	25.40	80A	P0188-XXXX-80A
P0188-1250-80A						1.250	31.75	80A	P0188-XXXX-80A
P0188-0500-90A	3/16	0.170	0.170	0.688	17.480	0.500	12.70	90A	P0188-XXXX-90A
P0188-0750-90A						0.750	19.05	90A	P0188-XXXX-90A
P0188-1000-90A						1.000	25.40	90A	P0188-XXXX-90A
P0188-1250-90A						1.250	31.75	90A	P0188-XXXX-90A
P0188-0500-95A						0.500	12.70	95A	NO
P0188-0750-95A						0.750	19.05	95A	NO
P0188-1000-95A						1.000	25.40	95A	NO
P0188-1250-95A						1.250	31.75	95A	NO
P0250-0500-60A						0.500	12.70	60A	P0250-XXXX-60A
P0250-0750-60A						0.750	19.05	60A	P0250-XXXX-60A
P0250-1000-60A	1/4	0.230	5.84	0.750	19.050	1.000	25.40	60A	P0250-XXXX-60A
P0250-1250-60A						1.250	31.75	60A	P0250-XXXX-60A
P0250-1500-60A						1.500	38.10	60A	P0250-XXXX-60A

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Catalog Number	Rod Fit	Inside Diameter		Outside Diameter		Free Length (approx.)		Durometer	Load Data Graph
	in	in	mm	in	mm	in	mm		
P0250-0500-80A						0.500	12.70	80A	P0250-XXXX-80A
P0250-0750-80A						0.750	19.05	80A	P0250-XXXX-80A
P0250-1000-80A						1.000	25.40	80A	P0250-XXXX-80A
P0250-1250-80A						1.250	31.75	80A	P0250-XXXX-80A
P0250-1500-80A						1.500	38.10	80A	P0250-XXXX-80A
P0250-0500-90A						0.500	12.70	90A	P0250-XXXX-90A
P0250-0750-90A						0.750	19.05	90A	P0250-XXXX-90A
P0250-1000-90A	1/4	0.230	5.84	0.750	19.050	1.000	25.40	90A	P0250-XXXX-90A
P0250-1250-90A						1.250	31.75	90A	P0250-XXXX-90A
P0250-1500-90A						1.500	38.10	90A	P0250-XXXX-90A
P0250-0500-95A						0.500	12.70	95A	NO
P0250-0750-95A						0.750	19.05	95A	NO
P0250-1000-95A						1.000	25.40	95A	NO
P0250-1250-95A						1.250	31.75	95A	NO
P0250-1500-95A						1.500	38.10	95A	NO
P0312-0500-60A						0.500	12.70	60A	P0312-XXXX-60A
P0312-0750-60A						0.750	19.05	60A	P0312-XXXX-60A
P0312-1000-60A						1.000	25.40	60A	P0312-XXXX-60A
P0312-1250-60A						1.250	31.75	60A	P0312-XXXX-60A
P0312-1500-60A						1.500	38.10	60A	P0312-XXXX-60A
P0312-0500-80A						0.500	12.70	80A	P0312-XXXX-80A
P0312-0750-80A						0.750	19.05	80A	P0312-XXXX-80A
P0312-1000-80A						1.000	25.40	80A	P0312-XXXX-80A
P0312-1250-80A						1.250	31.75	80A	P0312-XXXX-80A
P0312-1500-80A						1.500	38.10	80A	P0312-XXXX-80A
P0312-0500-90A	5/16	0.295	7.49	0.813	20.650	0.500	12.70	90A	P0312-XXXX-90A
P0312-0750-90A						0.750	19.05	90A	P0312-XXXX-90A
P0312-1000-90A						1.000	25.40	90A	P0312-XXXX-90A
P0312-1250-90A						1.250	31.75	90A	P0312-XXXX-90A
P0312-1500-90A						1.500	38.10	90A	P0312-XXXX-90A
P0312-0500-95A						0.500	12.70	95A	NO
P0312-0750-95A						0.750	19.05	95A	NO
P0312-1000-95A						1.000	25.40	95A	NO
P0312-1250-95A						1.250	31.75	95A	NO
P0312-1500-95A						1.500	38.10	95A	NO
P0375-0500-60A						0.500	12.70	60A	P0375-XXXX-60A
P0375-0750-60A						0.750	19.05	60A	P0375-XXXX-60A
P0375-1000-60A						1.000	25.40	60A	P0375-XXXX-60A
P0375-1250-60A						1.250	31.75	60A	P0375-XXXX-60A
P0375-1500-60A						1.500	38.10	60A	P0375-XXXX-60A
P0375-0500-80A						0.500	12.70	80A	P0375-XXXX-80A
P0375-0750-80A						0.750	19.05	80A	P0375-XXXX-80A
P0375-1000-80A						1.000	25.40	80A	P0375-XXXX-80A
P0375-1250-80A						1.250	31.75	80A	P0375-XXXX-80A
P0375-1500-80A						1.500	38.10	80A	P0375-XXXX-80A
P0375-1750-80A	3/8	0.355	9.02	0.875	22.230	1.750	44.45	80A	P0375-XXXX-80A
P0375-0500-90A						0.500	12.70	90A	P0375-XXXX-90A
P0375-0750-90A						0.750	19.05	90A	P0375-XXXX-90A
P0375-1000-90A						1.000	25.40	90A	P0375-XXXX-90A
P0375-1250-90A						1.250	31.75	90A	P0375-XXXX-90A
P0375-1500-90A						1.500	38.10	90A	P0375-XXXX-90A
P0375-1750-90A						1.750	44.45	90A	P0375-XXXX-90A
P0375-0500-95A						0.500	12.70	95A	NO
P0375-0750-95A						0.750	19.05	95A	NO
P0375-1000-95A						1.000	25.40	95A	NO
P0375-1250-95A						1.250	31.75	95A	NO
P0375-1500-95A						1.500	38.10	95A	NO
P0375-1750-95A						1.750	44.45	95A	NO
P0500-0500-60A						0.500	12.70	60A	P0500-XXXX-60A
P0500-0750-60A						0.750	19.05	60A	P0500-XXXX-60A
P0500-1000-60A	1/2	0.475	12.07	1.000	25.400	1.000	25.40	60A	P0500-XXXX-60A
P0500-1250-60A						1.250	31.75	60A	P0500-XXXX-60A
P0500-1500-60A						1.500	38.10	60A	P0500-XXXX-60A
P0500-0500-80A						0.500	12.70	80A	P0500-XXXX-80A



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Catalog Number	Rod Fit		Inside Diameter		Outside Diameter		Free Length (approx.)		Durometer	Load Data Graph
	in		in	mm	in	mm	in	mm		
P0500-0750-80A							0.750	19.05	80A	P0500-XXXX-80A
P0500-1000-80A							1.000	25.40	80A	P0500-XXXX-80A
P0500-1250-80A							1.250	31.75	80A	P0500-XXXX-80A
P0500-1500-80A							1.500	38.10	80A	P0500-XXXX-80A
P0500-1750-80A							1.750	44.45	80A	P0500-XXXX-80A
P0500-2000-80A							2.000	50.80	80A	P0500-XXXX-80A
P0500-0500-90A							0.500	12.70	90A	P0500-XXXX-90A
P0500-0750-90A							0.750	19.05	90A	P0500-XXXX-90A
P0500-1000-90A							1.000	25.40	90A	P0500-XXXX-90A
P0500-1250-90A	1/2		0.475	12.07	1.000	25.400	1.250	31.75	90A	P0500-XXXX-90A
P0500-1500-90A							1.500	38.10	90A	P0500-XXXX-90A
P0500-1750-90A							1.750	44.45	90A	P0500-XXXX-90A
P0500-2000-90A							2.000	50.80	90A	P0500-XXXX-90A
P0500-0500-95A							0.500	12.70	95A	NO
P0500-0750-95A							0.750	19.05	95A	NO
P0500-1000-95A							1.000	25.40	95A	NO
P0500-1250-95A							1.250	31.75	95A	NO
P0500-1500-95A							1.500	38.10	95A	NO
P0500-1750-95A							1.750	44.45	95A	NO
P0500-2000-95A							2.000	50.80	95A	NO
P0625-0500-60A							0.500	12.70	60A	P0625-XXXX-60A
P0625-0750-60A							0.750	19.05	60A	P0625-XXXX-60A
P0625-1000-60A							1.000	25.40	60A	P0625-XXXX-60A
P0625-1250-60A							1.250	31.75	60A	P0625-XXXX-60A
P0625-1500-60A							1.500	38.10	60A	P0625-XXXX-60A
P0625-0500-80A							0.500	12.70	80A	P0625-XXXX-80A
P0625-0750-80A							0.750	19.05	80A	P0625-XXXX-80A
P0625-1000-80A							1.000	25.40	80A	P0625-XXXX-80A
P0625-1250-80A							1.250	31.75	80A	P0625-XXXX-80A
P0625-1500-80A							1.500	38.10	80A	P0625-XXXX-80A
P0625-1750-80A							1.750	44.45	80A	P0625-XXXX-80A
P0625-2000-80A							2.000	50.80	80A	P0625-XXXX-80A
P0625-0500-90A	5/8		0.600	15.24	1.125	28.580	0.500	12.70	90A	P0625-XXXX-90A
P0625-0750-90A							0.750	19.05	90A	P0625-XXXX-90A
P0625-1000-90A							1.000	25.40	90A	P0625-XXXX-90A
P0625-1250-90A							1.250	31.75	90A	P0625-XXXX-90A
P0625-1500-90A							1.500	38.10	90A	P0625-XXXX-90A
P0625-1750-90A							1.750	44.45	90A	P0625-XXXX-90A
P0625-2000-90A							2.000	50.80	90A	P0625-XXXX-90A
P0625-0500-95A							0.500	12.70	95A	NO
P0625-0750-95A							0.750	19.05	95A	NO
P0625-1000-95A							1.000	25.40	95A	NO
P0625-1250-95A							1.250	31.75	95A	NO
P0625-1500-95A							1.500	38.10	95A	NO
P0625-1750-95A							1.750	44.45	95A	NO
P0625-2000-95A							2.000	50.80	95A	NO
P0750-0750-60A							0.750	19.05	60A	P0750-XXXX-60A
P0750-1000-60A							1.000	25.40	60A	P0750-XXXX-60A
P0750-1250-60A							1.250	31.75	60A	P0750-XXXX-60A
P0750-1500-60A							1.500	38.10	60A	P0750-XXXX-60A
P0750-1750-60A							1.750	44.45	60A	P0750-XXXX-60A
P0750-2000-60A							2.000	50.80	60A	P0750-XXXX-60A
P0750-0750-80A							0.750	19.05	80A	P0750-XXXX-80A
P0750-1000-80A							1.000	25.40	80A	P0750-XXXX-80A
P0750-1250-80A	3/4		0.740	18.80	1.375	34.930	1.250	31.75	80A	P0750-XXXX-80A
P0750-1500-80A							1.500	38.10	80A	P0750-XXXX-80A
P0750-1750-80A							1.750	44.45	80A	P0750-XXXX-80A
P0750-2000-80A							2.000	50.80	80A	P0750-XXXX-80A
P0750-0750-90A							0.750	19.05	90A	P0750-XXXX-90A
P0750-1000-90A							1.000	25.40	90A	P0750-XXXX-90A
P0750-1250-90A							1.250	31.75	90A	P0750-XXXX-90A
P0750-1500-90A							1.500	38.10	90A	P0750-XXXX-90A
P0750-1750-90A							1.750	44.45	90A	P0750-XXXX-90A
P0750-2000-90A							2.000	50.80	90A	P0750-XXXX-90A



STOCK URETHANE COMPRESSION SPRINGS

Catalog Number	Rod Fit	Inside Diameter		Outside Diameter		Free Length (approx.)		Durometer	Load Data Graph
	in	in	mm	in	mm	in	mm		
P0750-2500-90A						2.500	63.50	90A	P0750-XXXX-90A
P0750-0750-95A						0.750	19.05	95A	NO
P0750-1000-95A						1.000	25.40	95A	NO
P0750-1250-95A	3/4	0.740	18.80	1.375	34.930	1.250	31.75	95A	NO
P0750-1500-95A						1.500	38.10	95A	NO
P0750-1750-95A						1.750	44.45	95A	NO
P0750-2000-95A						2.000	50.80	95A	NO
P0750-2500-95A						2.500	63.50	95A	NO
P0875-1000-60A						1.000	25.40	60A	P0875-XXXX-60A
P0875-1250-60A						1.250	31.75	60A	P0875-XXXX-60A
P0875-1500-60A						1.500	38.10	60A	P0875-XXXX-60A
P0875-1750-60A						1.750	44.45	60A	P0875-XXXX-60A
P0875-2000-60A						2.000	50.80	60A	P0875-XXXX-60A
P0875-2500-60A						2.500	63.50	60A	P0875-XXXX-60A
P0875-3000-60A						3.000	76.20	60A	P0875-XXXX-60A
P0875-1000-80A						1.000	25.40	80A	P0875-XXXX-80A
P0875-1250-80A						1.250	31.75	80A	P0875-XXXX-80A
P0875-1500-80A						1.500	38.10	80A	P0875-XXXX-80A
P0875-1750-80A						1.750	44.45	80A	P0875-XXXX-80A
P0875-2000-80A						2.000	50.80	80A	P0875-XXXX-80A
P0875-2500-80A						2.500	63.50	80A	P0875-XXXX-80A
P0875-3000-80A	7/8	0.865	21.97	1.625	41.280	3.000	76.20	80A	P0875-XXXX-80A
P0875-1000-90A						1.000	25.40	90A	P0875-XXXX-90A
P0875-1250-90A						1.250	31.75	90A	P0875-XXXX-90A
P0875-1500-90A						1.500	38.10	90A	P0875-XXXX-90A
P0875-1750-90A						1.750	44.45	90A	P0875-XXXX-90A
P0875-2000-90A						2.000	50.80	90A	P0875-XXXX-90A
P0875-2500-90A						2.500	63.50	90A	P0875-XXXX-90A
P0875-3000-90A						3.000	76.20	90A	P0875-XXXX-90A
P0875-1000-95A						1.000	25.40	95A	NO
P0875-1250-95A						1.250	31.75	95A	NO
P0875-1500-95A						1.500	38.10	95A	NO
P0875-1750-95A						1.750	44.45	95A	NO
P0875-2000-95A						2.000	50.80	95A	NO
P0875-2500-95A						2.500	63.50	95A	NO
P0875-3000-95A						3.000	76.20	95A	NO
P1000-1000-60A						1.000	25.40	60A	P1000-XXXX-60A
P1000-1250-60A						1.250	31.75	60A	P1000-XXXX-60A
P1000-1500-60A						1.500	38.10	60A	P1000-XXXX-60A
P1000-1750-60A						1.750	44.45	60A	P1000-XXXX-60A
P1000-2000-60A						2.000	50.80	60A	P1000-XXXX-60A
P1000-2500-60A						2.500	63.50	60A	P1000-XXXX-60A
P1000-3000-60A						3.000	76.20	60A	P1000-XXXX-60A
P1000-1000-80A						1.000	25.40	80A	P1000-XXXX-80A
P1000-1250-80A						1.250	31.75	80A	P1000-XXXX-80A
P1000-1500-80A						1.500	38.10	80A	P1000-XXXX-80A
P1000-1750-80A						1.750	44.45	80A	P1000-XXXX-80A
P1000-2000-80A						2.000	50.80	80A	P1000-XXXX-80A
P1000-2500-80A						2.500	63.50	80A	P1000-XXXX-80A
P1000-3000-80A	1.0	0.990	25.15	1.750	44.450	3.000	76.20	80A	P1000-XXXX-80A
P1000-1000-90A						1.000	25.40	90A	P1000-XXXX-90A
P1000-1250-90A						1.250	31.75	90A	P1000-XXXX-90A
P1000-1500-90A						1.500	38.10	90A	P1000-XXXX-90A
P1000-1750-90A						1.750	44.45	90A	P1000-XXXX-90A
P1000-2000-90A						2.000	50.80	90A	P1000-XXXX-90A
P1000-2500-90A						2.500	63.50	90A	P1000-XXXX-90A
P1000-3000-90A						3.000	76.20	90A	P1000-XXXX-90A
P1000-1000-95A						1.000	25.40	95A	NO
P1000-1250-95A						1.250	31.75	95A	NO
P1000-1500-95A						1.500	38.10	95A	NO
P1000-1750-95A						1.750	44.45	95A	NO
P1000-2000-95A						2.000	50.80	95A	NO
P1000-2500-95A						2.500	63.50	95A	NO
P1000-3000-95A						3.000	76.20	95A	NO

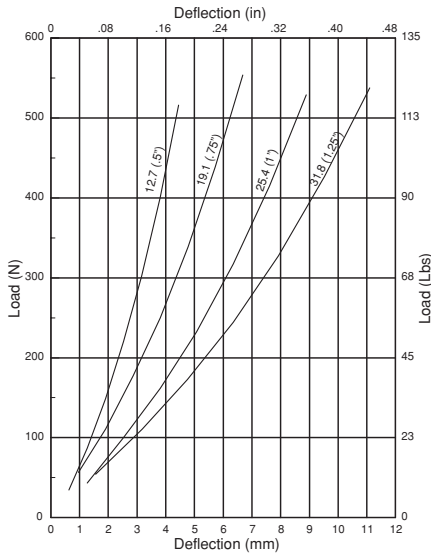


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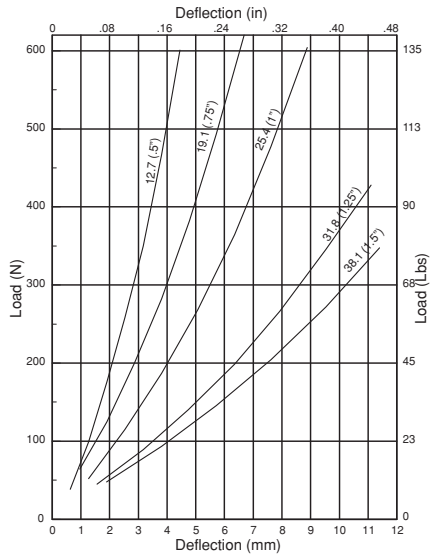
SPEC

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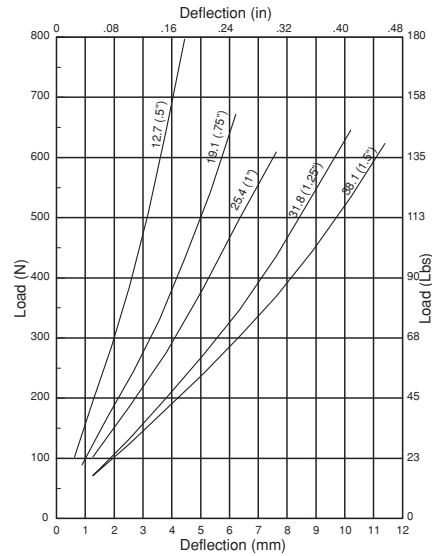
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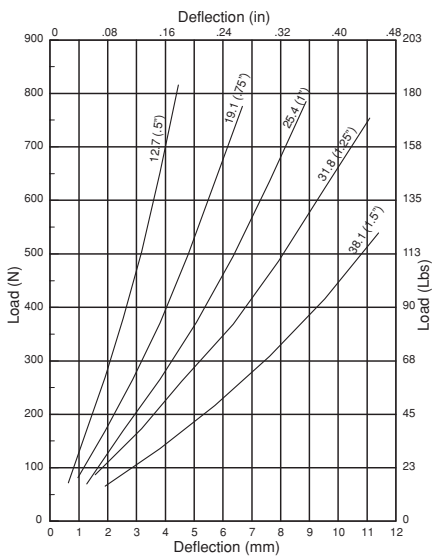
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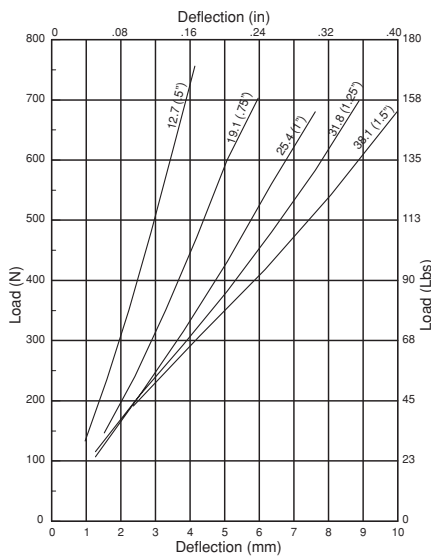
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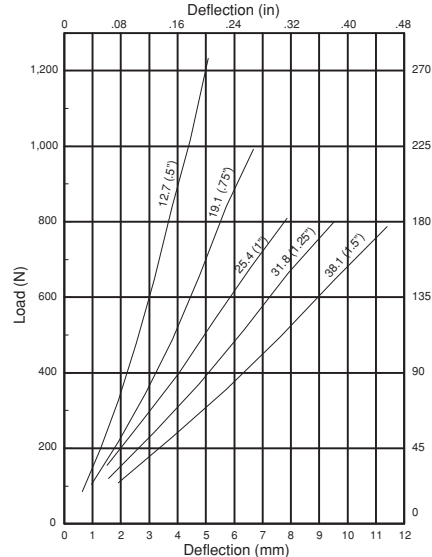
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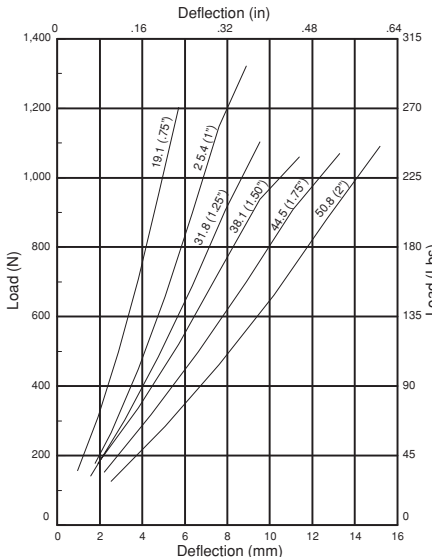
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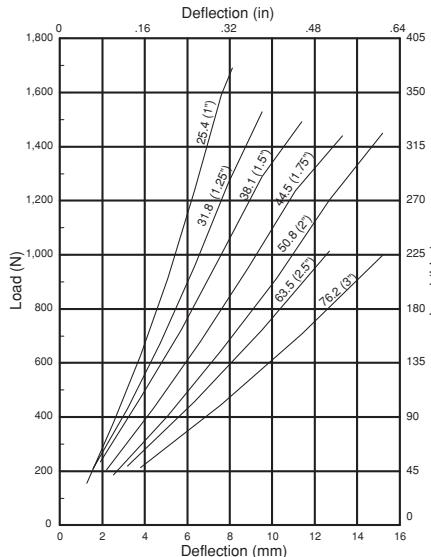
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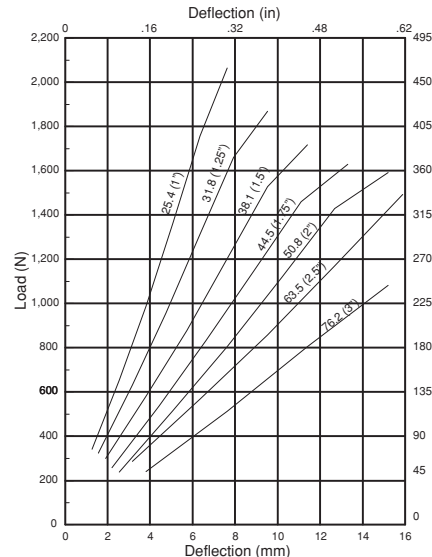
P0750-XXXX-60A



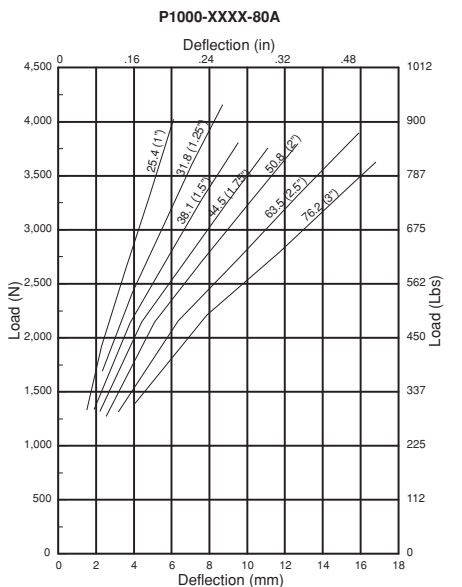
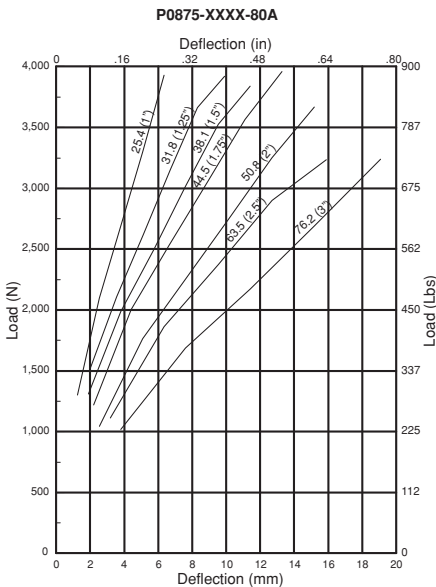
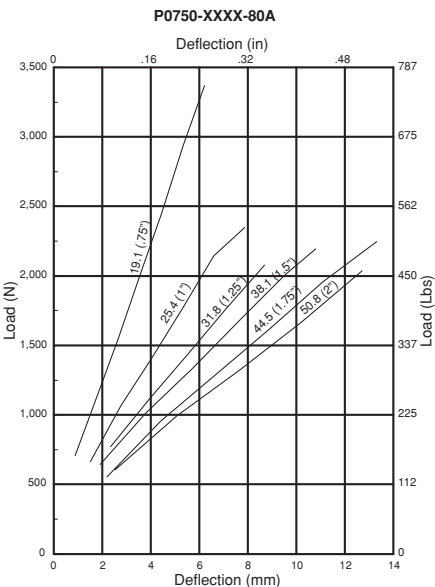
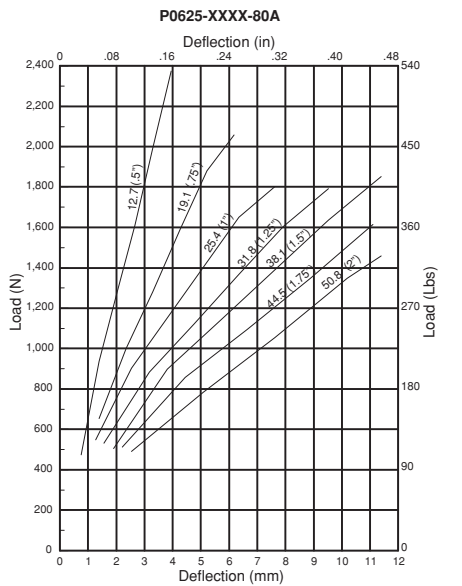
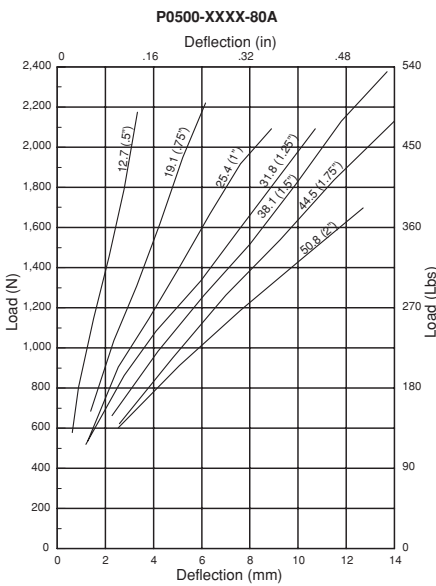
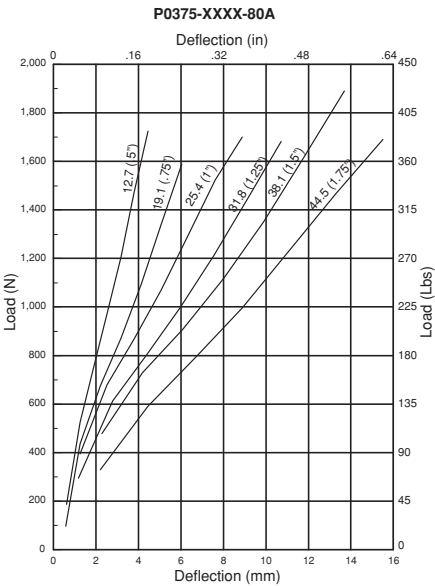
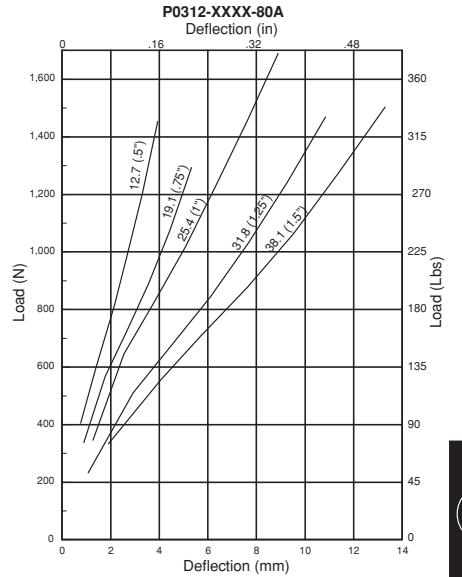
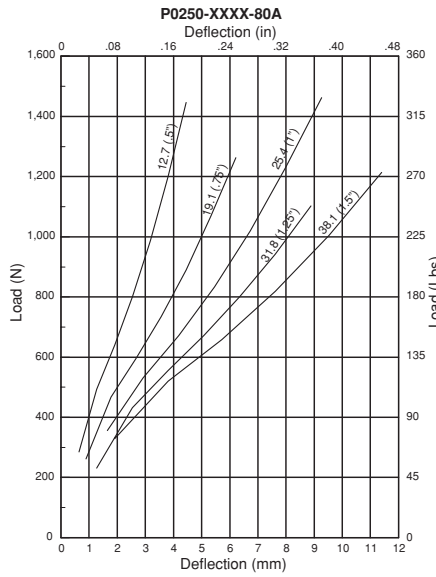
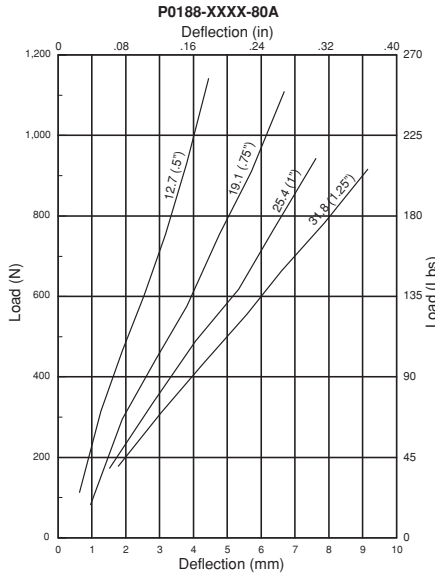
P0875-XXXX-60A



P1000-XXXX-60A



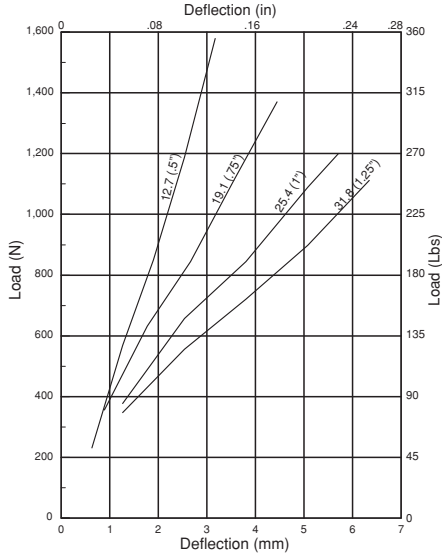
STOCK URETHANE COMPRESSION SPRINGS Multiple Durometers



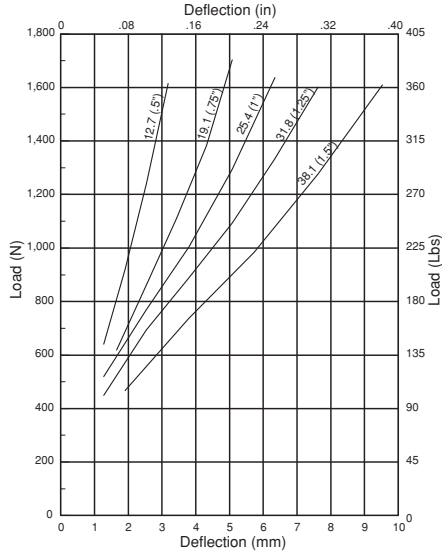
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STOCK URETHANE COMPRESSION SPRINGS Multiple Durometers

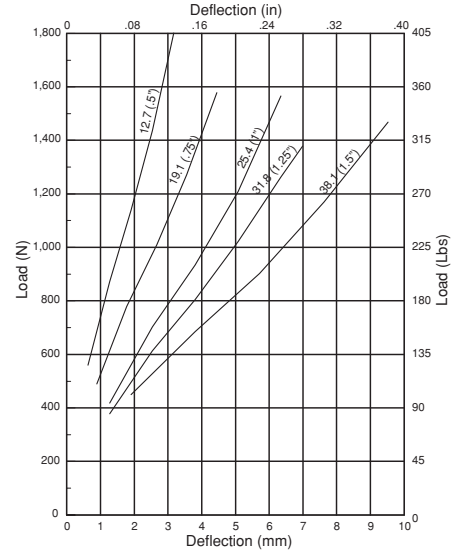
P0188-XXXX-90A



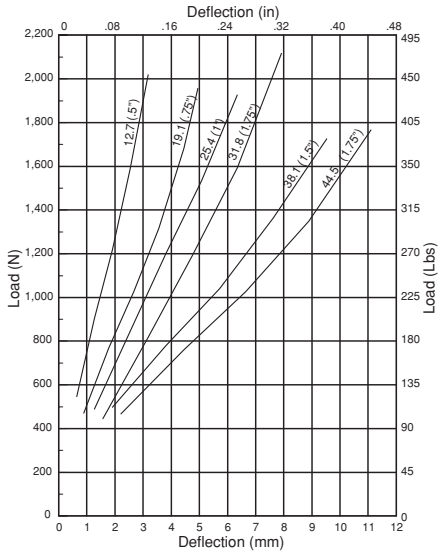
P0250-XXXX-90A



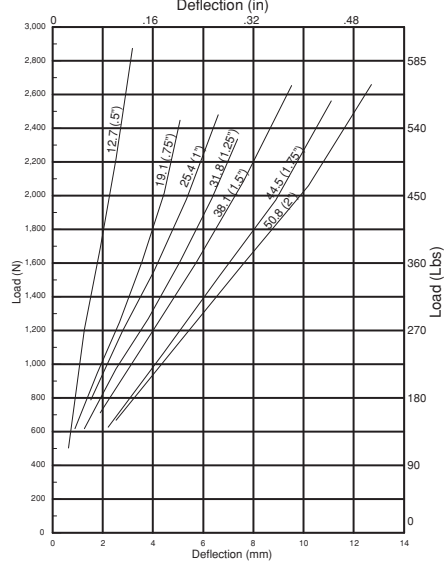
P0312-XXXX-90A



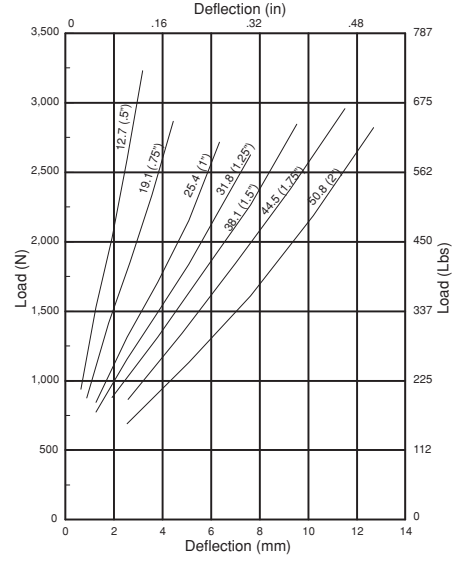
P0375-XXXX-90A



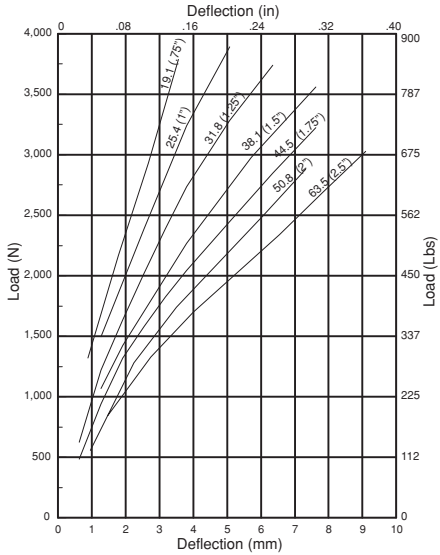
P0500-XXXX-90A



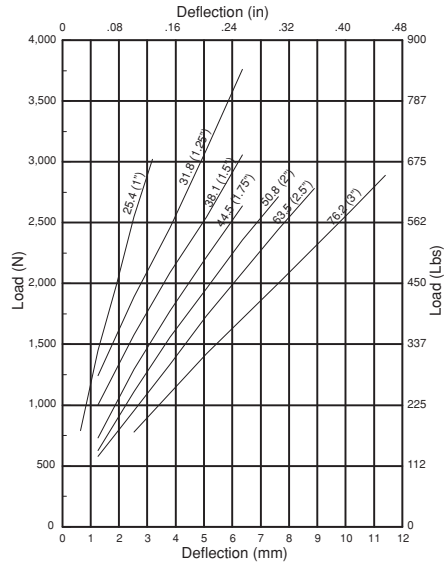
P0625-XXXX-90A



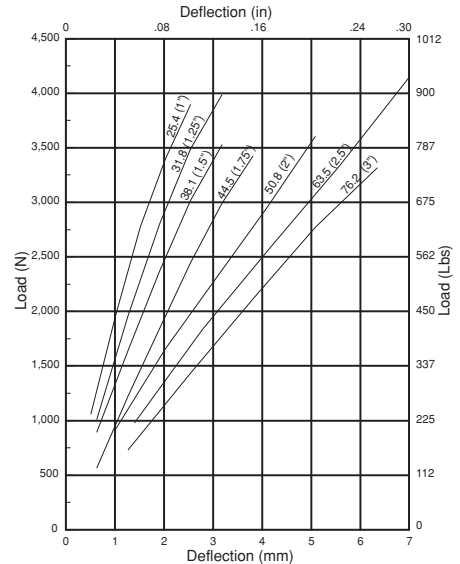
P0750-XXXX-90A



P0875-XXXX-90A



P1000-XXXX-90A



STOCK URETHANE URETHANE TUBES - 12" Lengths

Catalog Number	Interference Rod Fit	Inside Diameter		Outside Diameter		Free Length (approx.)		Durometer
	in	in	mm	in	mm	in	mm	
P0188-12000-60A								60A
P0188-12000-70A								70A
P0188-12000-80A	3/16	0.170	4.32	0.688	17.48			80A
P0188-12000-90A								90A
P0188-12000-95A								95A
P0250-12000-60A								60A
P0250-12000-70A								70A
P0250-12000-80A	1/4	0.230	5.84	0.750	19.05			80A
P0250-12000-90A								90A
P0250-12000-95A								95A
P0312-12000-60A								60A
P0312-12000-70A								70A
P0312-12000-80A	5/16	0.295	7.49	0.813	20.65			80A
P0312-12000-90A								90A
P0312-12000-95A								95A
P0375-12000-60A								60A
P0375-12000-70A								70A
P0375-12000-80A	3/8	0.355	9.02	0.875	22.23			80A
P0375-12000-90A								90A
P0375-12000-95A						12.0	304.8	95A
P0500-12000-60A								60A
P0500-12000-70A								70A
P0500-12000-80A	1/2	0.475	12.07	1.000	25.40			80A
P0500-12000-90A								90A
P0500-12000-95A								95A
P0625-12000-60A								60A
P0625-12000-70A								70A
P0625-12000-80A	5/8	0.600	15.24	1.125	28.58			80A
P0625-12000-90A								90A
P0625-12000-95A								95A
P0750-12000-60A								60A
P0750-12000-70A								70A
P0750-12000-80A	3/4	0.740	18.80	1.375	34.93			80A
P0750-12000-90A								90A
P0750-12000-95A								95A
P0875-12000-60A								60A
P0875-12000-70A								70A
P0875-12000-80A	7/8	0.865	21.97	1.625	41.28			80A
P0875-12000-90A								90A
P0875-12000-95A								95A
P1000-12000-60A								60A
P1000-12000-70A								70A
P1000-12000-80A	1.0	0.990	25.15	1.750	44.45			80A
P1000-12000-90A								90A
P1000-12000-95A								95A

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STOCK URETHANE FULL LENGTH RODS - 12" Lengths

Catalog Number	Outside Diameter		Durometer	Catalog Number	Outside Diameter		Durometer
	in	mm			in	mm	
PR0250-12000-60A			60A	PR0750-12000-60A			60A
PR0250-12000-70A			70A	PR0750-12000-70A			70A
PR0250-12000-80A	0.250	6.35	80A	PR0750-12000-80A	0.750	19.05	80A
PR0250-12000-90A			90A	PR0750-12000-90A			90A
PR0250-12000-95A			95A	PR0750-12000-95A			95A
PR0375-12000-60A			60A	PR0875-12000-60A			60A
PR0375-12000-70A			70A	PR0875-12000-70A			70A
PR0375-12000-80A	0.375	9.53	80A	PR0875-12000-80A	0.875	22.23	80A
PR0375-12000-90A			90A	PR0875-12000-90A			90A
PR0375-12000-95A			95A	PR0875-12000-95A			95A
PR0500-12000-60A			60A	PR1000-12000-60A			60A
PR0500-12000-70A			70A	PR1000-12000-70A			70A
PR0500-12000-80A	0.500	12.70	80A	PR1000-12000-80A	1.000	25.40	80A
PR0500-12000-90A			90A	PR1000-12000-90A			90A
PR0500-12000-95A			95A	PR1000-12000-95A			95A
PR0625-12000-60A			60A	PR1250-12000-60A			60A
PR0625-12000-70A			70A	PR1250-12000-70A			70A
PR0625-12000-80A	0.625	15.88	80A	PR1250-12000-80A	1.250	31.75	80A
PR0625-12000-90A			90A	PR1250-12000-90A			90A
PR0625-12000-95A			95A	PR1250-12000-95A			95A

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FULL LENGTH TUBE ASSORTMENTS

Each assortment contains 1 piece of the part number listed

Catalog Number	Assortment Number	Catalog Number	Assortment Number
P0188-12000-60A	KP0188	P0625-12000-80A	KP0625-2
P0188-12000-70A	KP0188	P0625-12000-90A	KP0625-2
P0188-12000-80A	KP0188	P0625-12000-95A	KP0625-2
P0188-12000-90A	KP0188		
P0188-12000-95A	KP0188	P0750-12000-60A	KP0750-1
		P0750-12000-70A	KP0750-1
P0250-12000-60A	KP0250	P0750-12000-80A	KP0750-1
P0250-12000-70A	KP0250		
P0250-12000-80A	KP0250	P0750-12000-80A	KP0750-2
P0250-12000-90A	KP0250	P0750-12000-90A	KP0750-2
P0250-12000-95A	KP0250	P0750-12000-95A	KP0750-2
P0312-12000-60A	KP0312	P0875-12000-60A	KP0875-1
P0312-12000-70A	KP0312	P0875-12000-70A	KP0875-1
P0312-12000-80A	KP0312	P0875-12000-80A	KP0875-1
P0312-12000-90A	KP0312		
P0312-12000-95A	KP0312	P0875-12000-80A	KP0875-2
		P0875-12000-90A	KP0875-2
P0375-12000-60A	KP0375	P0875-12000-95A	KP0875-2
P0375-12000-70A	KP0375		
P0375-12000-80A	KP0375	P1000-12000-60A	KP1000-1
P0375-12000-90A	KP0375	P1000-12000-70A	KP1000-1
P0375-12000-95A	KP0375	P1000-12000-80A	KP1000-1
P0500-12000-60A	KP0500	P1000-12000-80A	KP1000-2
P0500-12000-70A	KP0500	P1000-12000-90A	KP1000-2
P0500-12000-80A	KP0500	P1000-12000-95A	KP1000-2
P0500-12000-90A	KP0500		
P0500-12000-95A	KP0500		
P0625-12000-60A	KP0625-1		
P0625-12000-70A	KP0625-1		
P0625-12000-80A	KP0625-1		



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Lined area for notes, consisting of multiple horizontal gray lines.



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