

YOUR MOTION. OUR SOLUTION.

**STABILUS**

# UNIVERSAL SPECIFICATION GUIDE



**Follow these easy steps to select the best universal replacement for your application:**

- Measure your existing gas spring from A to B when full extended
- Measure the gas spring from the same points when full compressed
- Choose the style of connection type (eyelet or ball socket)
- Select the Stabilus part number from this chart that most closely matches your measurements

**Important notes:**

- Measure from the center of the attachment points
- Not all gas springs can be compressed by hand – you may need to take the compressed measurement while the gas spring is still installed in the application
- Always replace gas springs in pairs if there are two used in the application
- Install the new gas spring in the same orientation (rod and reservoir ends installed as they were originally)

• Useful conversions:

- Newton to Pounds - Newton/4.448 = Force in Pounds
- Pounds to Newton - Pounds \* 4.448 = Force in Newtons
- Millimeters to Inches - Millimeters/25.4 = Length in inches
- Inches to Millimeters - Inches \* 25.4 = Length in Millimeters

Brand Number	Extended Length (in)	Compressed Length (in)	Tube Dia (mm)	Rod Dia (mm)	Extension Force (N)	Extension Force (lb)	Rod End Fitting	Tube End Fitting
6B-3938LA	7.50	5.50	15.00	6.00	89.00	20.00	Ball Socket 10mm	Ball Socket 10mm
6B-3939LW	7.50	5.50	15.00	6.00	178.00	32.00	Ball Socket 10mm	Ball Socket 10mm
6B-4146LZ	7.50	5.50	18.00	8.00	350.00	79.00	Ball Socket 10mm	Ball Socket 10mm
6B-993049	7.50	4.40	15.00	6.00	340.00	76.00	Ball Socket 10mm	Ball Socket 10mm
2B-8346QN	7.50	5.20	15.00	6.00	145.00	33.00	Ball Socket 10mm	Ball Socket 10mm
4B-1623EP	9.58	6.48	19.00	8.00	280.00	63.00	Ball Socket 13mm	Ball Socket 13mm
5B-5171KB	10.00	7.00	18.00	8.00	278.00	63.00	Metal Blade 10mm	Metal Blade 10mm
5B-5218KW	10.00	7.00	18.00	8.00	98.00	22.00	Metal Blade 10mm	Metal Blade 10mm
5B-5172KX	10.00	7.00	18.00	8.00	367.00	83.00	Metal Blade 10mm	Metal Blade 10mm
5B-3995LG	10.00	7.00	18.00	8.00	179.00	40.00	Ball Socket 10mm	Ball Socket 10mm
5B-982053	10.00	6.75	18.00	8.00	280.00	63.00	Ball Socket 10mm	Ball Socket 10mm
5B-753329	10.00	6.85	19.00	8.00	355.00	80.00	Ball Socket 10mm	Ball Socket 10mm
5B-332930	10.00	5.75	19.00	8.00	760.00	171.00	Ball Socket 10mm	Ball Socket 10mm
5B-990420	10.00	5.60	15.00	6.00	215.00	48.00	Ball Socket 10mm	Ball Socket 10mm
5B-990659	10.00	5.60	15.00	6.00	369.00	83.00	Ball Socket 10mm	Ball Socket 10mm
5B-753568	11.00	7.20	19.00	8.00	155.00	35.00	Ball Socket 10mm	Ball Socket 10mm
5B-754046	11.00	7.05	18.00	8.00	110.00	25.00	Ball Socket 10mm	Ball Socket 10mm
5B-986835	11.00	6.20	15.00	6.00	135.00	30.00	Ball Socket 10mm	Ball Socket 10mm
5B-991854	11.00	6.20	15.00	6.00	160.00	36.00	Ball Socket 10mm	Ball Socket 10mm
5B-992093	11.00	7.05	15.00	6.00	340.00	76.00	Ball Socket 10mm	Ball Socket 10mm
5B-440287	11.30	9.40	15.00	6.00	130.00	30.00	Metal Blade 6mm	Metal Blade 6mm
5B-8498IZ	12.00	8.50	18.00	8.00	118.00	27.00	Ball Socket 10mm	Ball Socket 10mm
5B-8427IS	12.00	8.50	18.00	8.00	241.00	54.00	Ball Socket 10mm	Ball Socket 10mm
5B-994722	12.00	6.60	15.00	6.00	190.00	43.00	Ball Socket 10mm	Ball Socket 10mm
5B-779905	12.00	7.60	18.00	8.00	270.00	60.00	Ball Socket 10mm	Ball Socket 10mm
5B-754524	12.50	8.40	19.00	8.00	155.00	35.00	Ball Socket 10mm	Ball Socket 10mm
5B-7682QX	12.50	7.65	15.00	6.00	300.00	67.00	Ball Socket 10mm	Ball Socket 10mm
5B-740423	12.75	8.10	18.00	8.00	135.00	30.00	Ball Socket 10mm	Ball Socket 10mm

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5B-681198	13.00	8.00	15.00	6.00	110.00	25.00	Ball Socket 10mm	Ball Socket 10mm
5B-317156	14.00	7.85	19.00	8.00	290.00	65.00	Ball Socket 10mm	Ball Socket 10mm
5B-317395	14.00	7.85	19.00	8.00	580.00	130.00	Ball Socket 10mm	Ball Socket 10mm
5B-6306IE	14.50	9.50	18.00	8.00	191.00	43.00	Ball Socket 10mm	Ball Socket 10mm
5B-3824LG	14.50	9.50	18.00	8.00	230.00	52.00	Ball Socket 10mm	Ball Socket 10mm
4B-1588EP	14.50	9.50	18.00	8.00	460.00	103.00	Ball Socket 10mm	Ball Socket 10mm
5B-8493IX	14.50	9.50	18.00	8.00	118.00	27.00	Ball Socket 10mm	Ball Socket 10mm
5B-3858LW	15.00	9.50	18.00	8.00	89.00	20.00	Ball Socket 10mm	Ball Socket 10mm
5B-3853LU	15.00	9.50	18.00	8.00	178.00	40.00	Ball Socket 10mm	Ball Socket 10mm
5B-315483	15.00	8.15	15.00	6.00	210.00	47.00	Ball Socket 10mm	Ball Socket 10mm
5B-315961	15.00	8.15	15.00	6.00	320.00	72.00	Ball Socket 10mm	Ball Socket 10mm
5B-037528	15.00	7.90	15.00	6.00	160.00	36.00	Metal Blade 10mm	Metal Blade 10mm
5B-987074	15.00	8.15	15.00	6.00	150.00	34.00	Ball Socket 10 mm	Ball Socket 10 mm
5B-988030	15.00	8.15	15.00	6.00	180.00	41.00	Ball Socket 10mm	Ball Socket 10mm
5B-317634	15.00	8.25	19.00	8.00	640.00	144.00	Ball Socket 10 mm	Ball Socket 10 mm
4B-7775QH	15.00	9.00	15.00	6.00	90.00	20.00	Ball Socket 10mm	Ball Socket 10mm
4B-752851	15.95	9.70	18.00	8.00	500.00	112.00	Ball Socket 10mm	Ball Socket 10mm
4B-037767	15.95	8.75	18.00	8.00	350.00	79.00	Ball Socket 10mm	Ball Socket 10mm
4B-8505IG	17.25	11.00	18.00	8.00	311.00	70.00	Ball Socket 10mm	Ball Socket 10mm
4B-3813LR	17.25	11.00	18.00	8.00	120.00	27.00	Ball Socket 10mm	Ball Socket 10mm
4B-3817LY	17.25	11.00	18.00	8.00	410.00	92.00	Ball Socket 10mm	Ball Socket 10mm
4B-318112	17.25	9.30	19.00	8.00	640.00	144.00	Ball Socket 10mm	Ball Socket 10mm
4B-318351	17.25	9.30	19.00	8.00	440.00	99.00	Ball Socket 10mm	Ball Socket 10mm
4B-9165AK	17.50	10.50	19.00	8.00	800.00	180.00	Metal Blade 8 mm	Metal Blade 8mm
4B-544244	18.50	10.00	19.00	8.00	160.00	36.00	Ball Socket 10mm	Ball Socket 10mm
4B-320980	18.50	10.00	19.00	8.00	210.00	47.00	Ball Socket 10mm	Ball Socket 10mm
4B-321219	18.50	10.00	19.00	8.00	280.00	63.00	Ball Socket 10mm	Ball Socket 10mm
4B-047088	18.50	10.00	18.00	8.00	400.00	90.00	Ball Socket 10mm	Ball Socket 10mm
4B-638649	18.50	10.00	19.00	8.00	440.00	99.00	Ball Socket 10mm	Ball Socket 10mm
4B-321697	18.50	10.00	19.00	8.00	520.00	117.00	Ball Socket 10mm	Ball Socket 10mm
4B-3286NV	19.00	11.25	18.00	8.00	500.00	112.00	Ball Socket 10mm	Ball Socket 10mm
4B-8502IV	19.70	11.70	18.00	8.00	291.00	65.00	Ball Socket 10mm	Ball Socket 10mm
4B-8503IQ	19.70	11.70	18.00	8.00	581.00	131.00	Ball Socket 10mm	Ball Socket 10mm
4B-8499IU	19.70	11.70	18.00	8.00	221.00	50.00	Ball Socket 10mm	Ball Socket 10mm
4B-3867LV	19.70	11.70	18.00	8.00	60.00	13.00	Ball Socket 10 mm	Ball Socket 10 mm
4B-3879LF	19.70	11.70	18.00	8.00	140.00	30.00	Ball Socket 10mm	Ball Socket 10mm
4B-3872LN	19.70	11.70	18.00	8.00	356.00	80.00	Ball Socket 10mm	Ball Socket 10mm
4B-3877LP	19.70	11.70	18.00	8.00	390.00	88.00	Ball Socket 10mm	Ball Socket 10mm

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4B-322414	19.70	10.60	19.00	8.00	360.00	81.00	Ball Socket 10 mm	Ball Socket 10 mm
4B-322653	19.70	10.60	19.00	8.00	510.00	115.00	Ball Socket 10 mm	Ball Socket 10 mm
4B-8903Qk	19.70	11.50	18.00	8.00	455.00	102.00	Ball Socket 10 mm	Ball Socket 10 mm
3B-1001SH	21.50	14.00	15.00	6.00	150.00	34.00	Ball Socket 8 mm	Ball Socket 8 mm
3B-052086	21.50	13.00	18.00	8.00	400.00	90.00	Ball Socket 10 mm	Ball Socket 10 mm
3B-7187BM	22.50	13.25	22.00	10.00	560.00	126.00	Ball Socket 10 mm	Ball Socket 10 mm
3B-3287NQ	23.00	13.20	18.00	8.00	500.00	112.00	Ball Socket 10 mm	Ball Socket 10 mm
3B-1435EN	23.00	13.20	18.00	8.00	200.00	45.00	Ball Socket 10 mm	Ball Socket 10 mm
3B-3017EA	23.00	14.09	19.00	8.00	160.00	36.00	Ball Socket 13 mm	Ball Socket 13 mm
3B-048522	26.00	13.70	19.00	8.00	300.00	67.00	Ball Socket 10 mm	Ball Socket 10 mm
3B-048761	26.00	13.70	19.00	8.00	360.00	81.00	Ball Socket 10 mm	Ball Socket 10 mm
3B-322892	28.00	15.00	22.00	10.00	470.00	106.00	Ball Socket 13 mm	Ball Socket 13 mm
3B-323131	28.00	15.00	22.00	10.00	540.00	121.00	Ball Socket 13 mm	Ball Socket 13 mm
2B-548068	28.00	16.00	22.00	10.00	660.00	148.00	Ball Socket 13 mm	Ball Socket 13 mm
2B-0194SH	28.00	16.00	22.00	10.00	660.00	148.00	Ball Socket 13 mm	Ball Socket 13 mm
2B-2792MM	28.50	19.90	22.00	10.00	819.00	184.00	Ball Socket 10 mm	Ball Socket 10 mm
2B-725891	28.90	17.54	22.00	10.00	350.00	79.00	Ball Socket 13 mm	Ball Socket 13 mm
60-664701	10 mm ball socket kit							
60-204155	13 mm Ball Stud Kit							