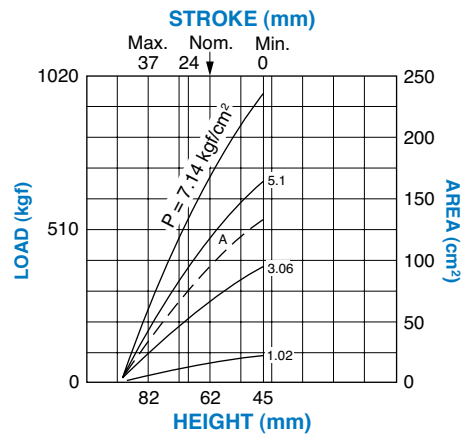
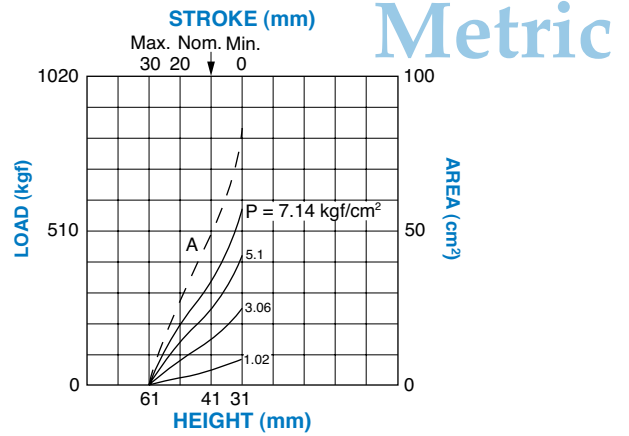
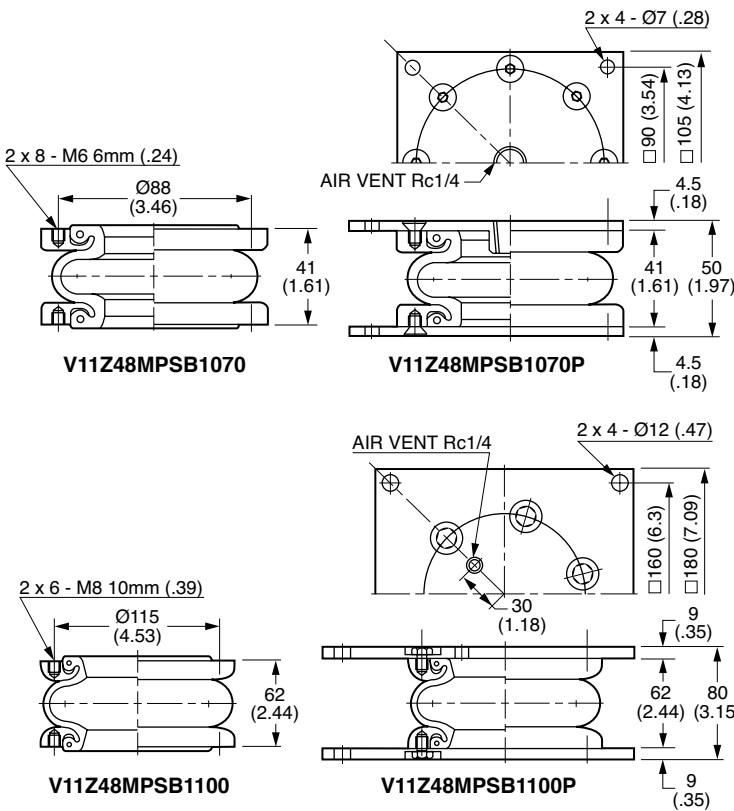
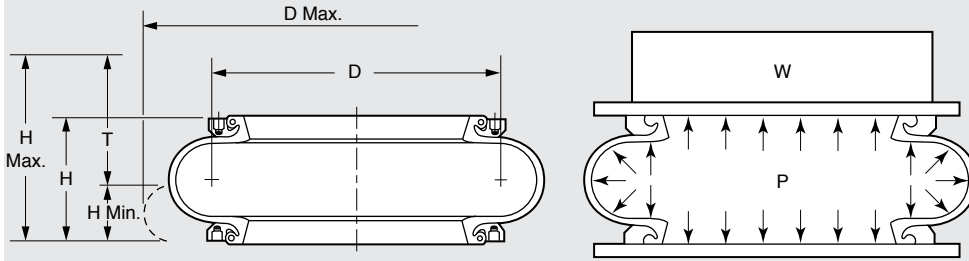


Air Springs

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- MATERIAL:** Bellows – Synthetic Rubber, Reinforced Cord & Wire
Ring & Plate – Steel, Zinc Plated

5 Spring Mounts



NOTE: Dimensions in () are inch.

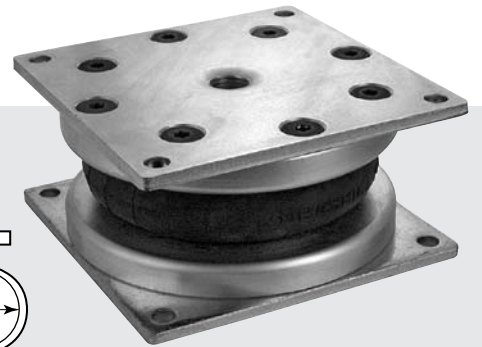
Catalog Number	Diameter		Height			Pressure		T Stroke	Effective Area A _o cm ² (in ²)
	D	D Max.	H	H Min.	H Max.	P _o kgf/cm ² (psi)	P Max. kgf/cm ² (psi)		
V11Z48MPSB1070	78	104	41	31	61	5.1 (72.5)	7.14 (101.52)	30 (1.18)	48 (7.44)
V11Z48MPSB1070P	(3.07)	(4.09)	(1.61)	(1.22)	(2.40)				
V11Z48MPSB1100	111	145	62	45	82	5.1 (72.5)	7.14 (101.52)	37 (1.46)	96 (14.88)
V11Z48MPSB1100P	(4.37)	(5.71)	(2.44)	(1.77)	(3.23)				



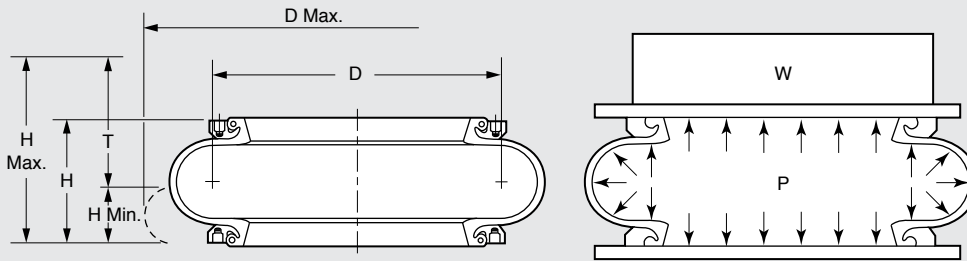
Air Springs

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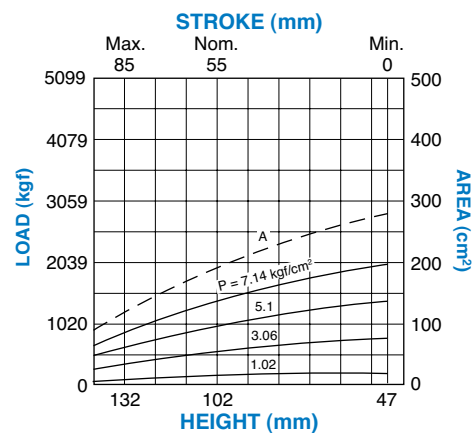
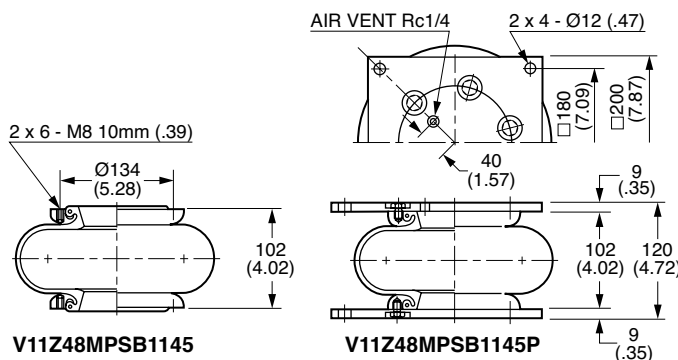
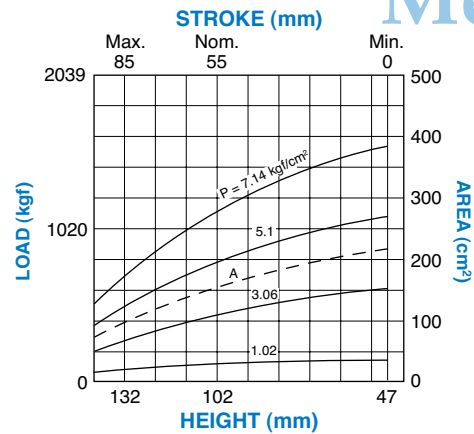
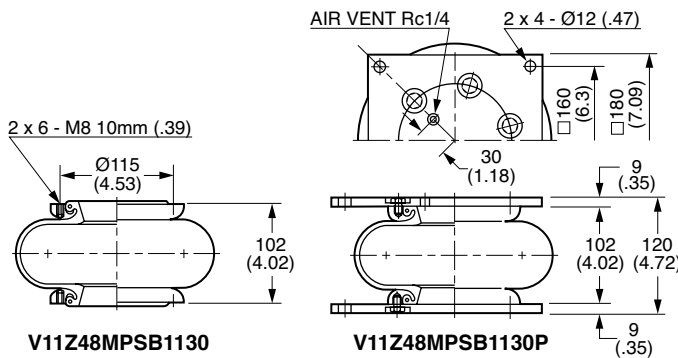
- MATERIAL:** Bellows – Synthetic Rubber, Reinforced Cord & Wire
Ring & Plate – Steel, Zinc Plated



5
Spring Mounts



Metric



NOTE: Dimensions in () are inch.

Catalog Number	Diameter		Height			Pressure		T Stroke	Effective Area A _o cm ² (in ²)
	D	D Max.	H	H Min.	H Max.	P _o kgf/cm ² (psi)	P Max. kgf/cm ² (psi)		
V11Z48MPSB1130	142 (5.59)	225 (8.86)	102 (4.02)	47 (1.85)	132 (5.20)	5.1 (72.5)	7.14 (101.50)	85 (3.35)	158 (24.49)
V11Z48MPSB1130P									
V11Z48MPSB1145	158 (6.22)	235 (9.25)	102 (4.02)	47 (1.85)	132 (5.20)	5.1 (72.5)	7.14 (101.50)	85 (3.35)	196 (30.38)
V11Z48MPSB1145P									

Continued on the next page

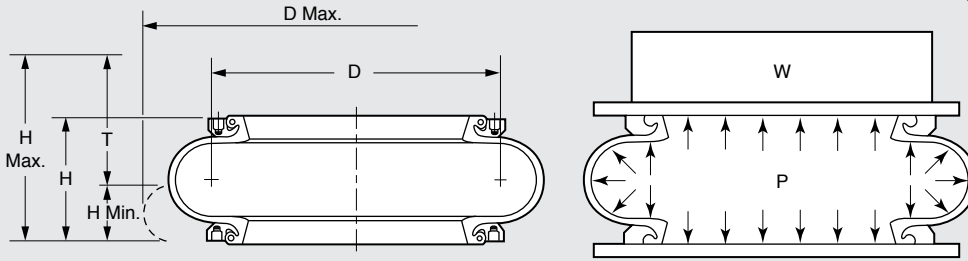
Air Springs



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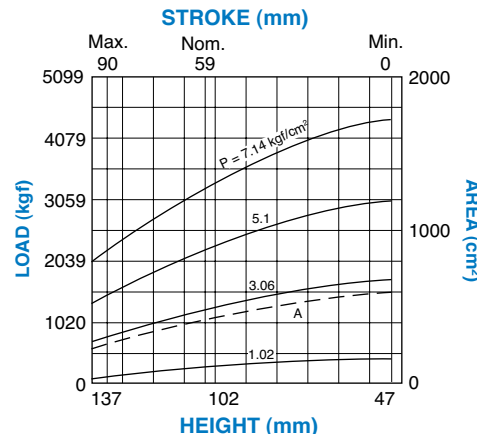
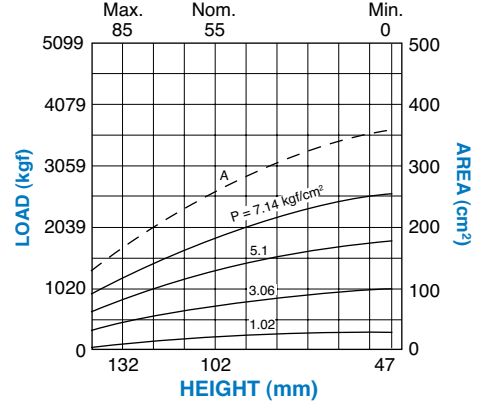
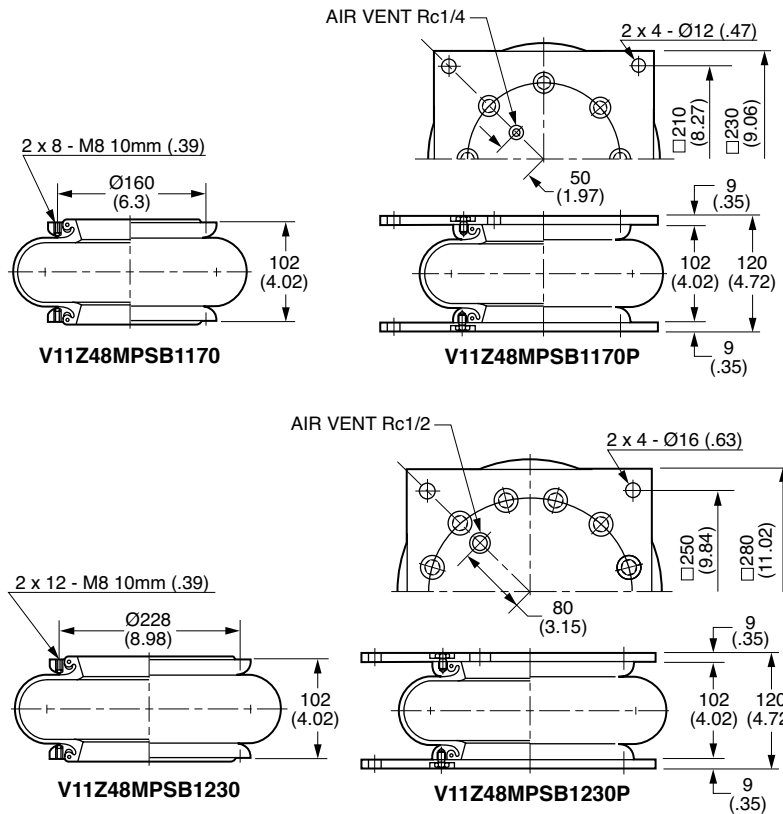
- MATERIAL:** Bellows – Synthetic Rubber, Reinforced Cord & Wire
Ring & Plate – Steel, Zinc Plated

5 Spring Mounts



Metric

STROKE (mm)



NOTE: Dimensions in () are inch.

Catalog Number	Diameter		Height			Pressure		T Stroke	Effective Area A _o cm ² (in ²)
	D	D Max.	H	H Min.	H Max.	P _o kgf/cm ² (psi)	P Max. kgf/cm ² (psi)		
V11Z48MPSB1170	182 (7.17)	262 (10.32)	102 (4.02)	47 (1.85)	132 (5.20)	5.1 (72.5)	7.14 (101.5)	85 (3.35)	260 (40.3)
V11Z48MPSB1170P									
V11Z48MPSB1230	245 (9.65)	324 (12.76)	102 (4.02)	47 (1.85)	137 (5.39)	5.1 (72.5)	7.14 (101.5)	90 (3.54)	470 (72.85)
V11Z48MPSB1230P									



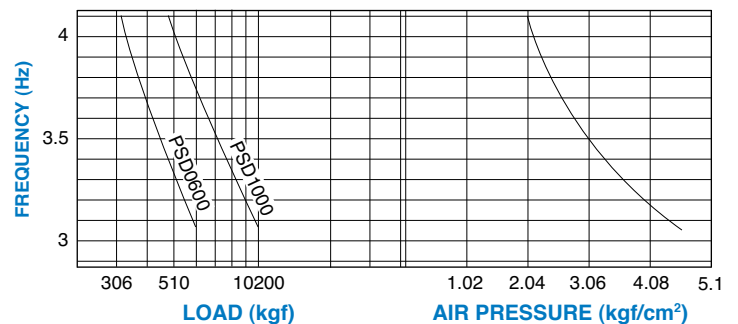
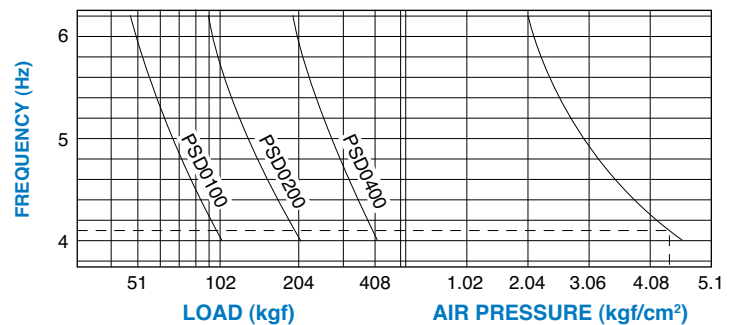
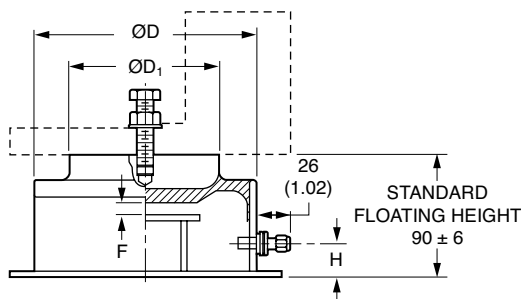
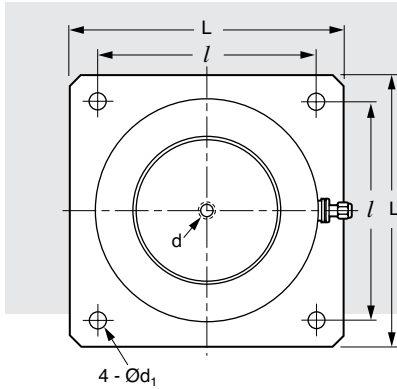
Air Springs

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- **MATERIAL:** Diaphragm – Synthetic Rubber
Body – Steel, Painted



Metric



OPERATING TEMPERATURE: -20°C to +60°C
-4°F to +140°F

Catalog Number	Hex Head Bolt Size
V11Z48MPSD0100	M10 x 40 L (1.57L)
V11Z48MPSD0200	M12 x 50 L (1.97L)
V11Z48MPSD0400	M12 x 50 L (1.97L)
V11Z48MPSD0600	M12 x 50 L (1.97L)
V11Z48MPSD1000	M16 x 60 L (2.36L)

NOTE: Hex Head Bolt, Nut and Washer 1 each supplied

NOTE: Dimensions in () are inch.

Catalog Number	Load		L	l	D	D ₁	d x deep	d ₁	F	H	Weight kg (lb.)
	Min. kgf (lbf)	Max. kgf (lbf)									
V11Z48MPSD0100	51 (112)	102 (225)	125 (4.92)	100 (3.94)	100 (3.94)	38 (1.50)	M10 x 10 (.39)	10 (.39)	6 (.24)	23 (.91)	1.8 (3.97)
V11Z48MPSD0200	102 (225)	204 (450)									
V11Z48MPSD0400	204 (450)	408 (900)	160 (6.30)	125 (4.92)	138 (5.34)	90 (3.54)	M12 x 15 (.59)	12 (.47)	9 (.35)	25 (.98)	3.3 (7.28)
V11Z48MPSD0600	408 (900)	612 (1349)	200 (7.87)	160 (6.30)	164 (6.46)	110 (4.33)					5.1 (11.24)
V11Z48MPSD1000	612 (1349)	1020 (2249)	250 (9.84)	200 (7.87)	212 (8.35)	150 (5.91)	M16 x 15 (.59)	14 (.55)		26 (1.02)	6.7 (14.77)