

HENDRICKSON

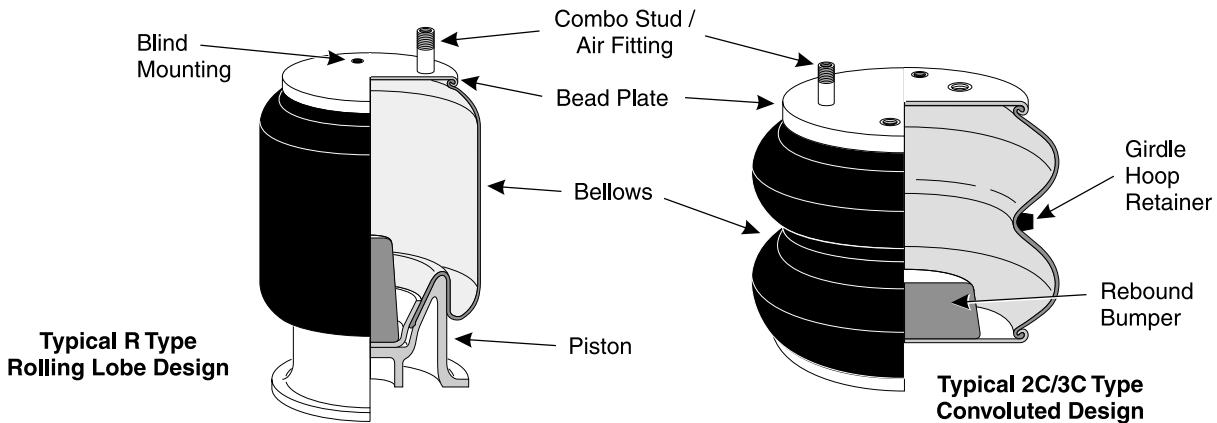
AIR SPRINGS

**Diagrams and Specifications for the Identification of
Genuine Hendrickson® Air Springs.**

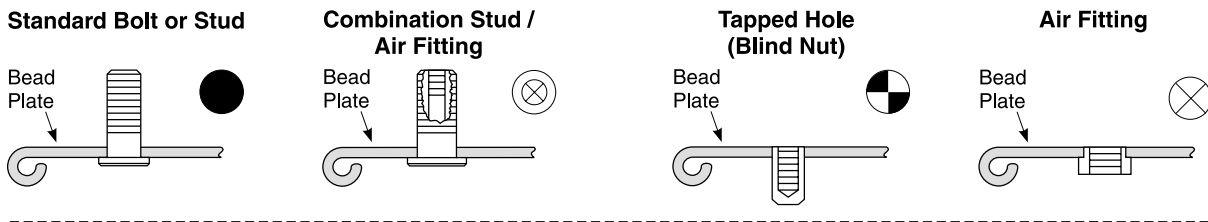


GENUINE Hendrickson Components

Types of Air Springs



Mounting Identification

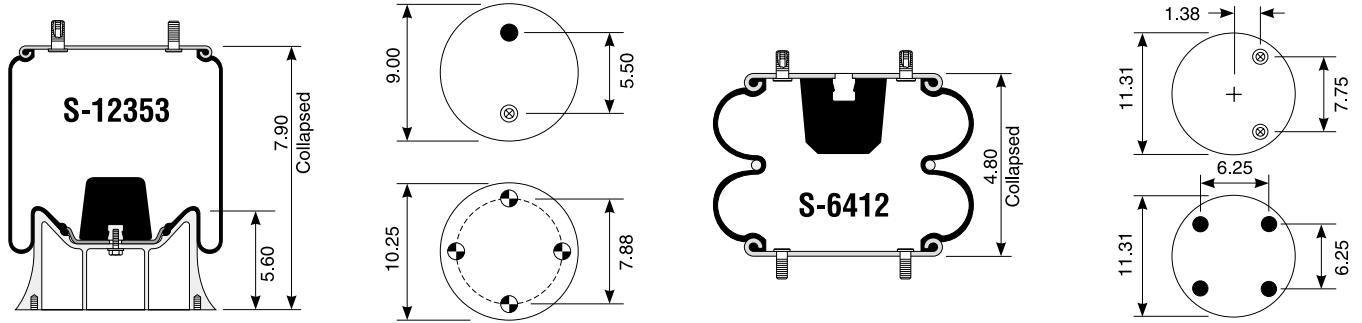


- Bolt or Stud 1/2-13
- ⊗ Air Inlet 1/4 NPT
- ⊗ As Noted on Drawing
- ◐ Threaded Hole — 3/8-16 on Bead Plate, 1/2-13 on Piston
- ⊗ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT

The names and reference numbers of manufacturers and suppliers, other than Dayton Parts, LLC, used in this catalog are shown only to assist our customers in identifying replacement parts. Although care has been taken to ensure the accuracy of the data contained in this publication, Dayton Parts, LLC does not assume any liability for errors or omissions.

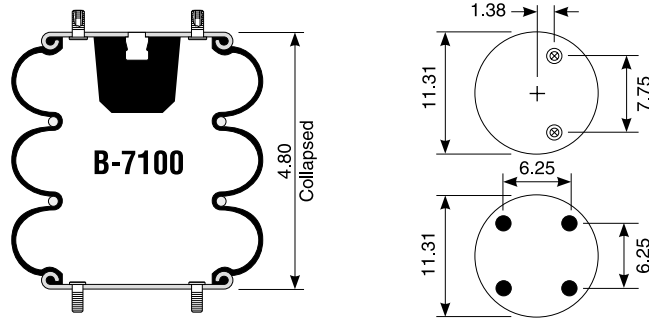
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R - Rolling Lobe

2C - Double Convolute



3C - Triple Convolute

Determining Proper Replacement Air Springs

1) Type and Dimension

- a. Determine type of air spring - reference drawings above.
- b. Determine number of top plate features (studs, holes, fittings).
- c. Determine number of piston/bottom plate features (studs, holes, fittings).
- d. Determine top plate diameter.
- e. Determine piston/bottom plate diameter at widest point.
- f. Compress air spring to contact with internal bumper and measure the overall height.
- g. Refer to charts on page 3 and 4, be sure to note the remarks, as many air springs require this information to differentiate them.
- h. Confirm your selection using reference drawings provided beginning on page 7.

Note: Reference drawings are in the same sequence as the charts on pages 4 and 5.

2) Application

- a. Refer to model application chart on page 6.
- b. Locate reference drawing and confirm dimensional information.

Note: Similar air spring reference drawings are grouped together.

3) Part Number

- a. Molded into the Original Equipment air spring, the part number is generally located just below the Hendrickson logo.
- b. Locate reference drawing using the numerical listing on page 20.
- c. Confirm dimensional information.

Hendrickson Air Springs - Parts Listing by Dimensions

Part No.	Type	Top plate Stud/Hole No.	Bottom Plate/ Piston Stud/ Hole No.	Top Plate Diameter	Bottom Plate/ Piston Dia.	Collapsed Height	Remarks	Page No.
57965-002L	R	1	1	6.31	7.25	5.00		7
57920-002L	R	1	1	6.31	7.25	5.00	57965-002L w/ Bracket	7
C-25559	R	1	4	9.00	9.50	5.60	S/A S-20010	7
S-20010	R	1	4	9.00	9.50	5.60	S/A C-25559	7
S-20414	R	1	4	9.00	9.50	7.30		7
S-20223	R	1	4	9.00	9.75	5.40		7
S-20716	R	1	4	9.00	11.06	7.30	20.75 Extended	7
S-20217	R	1	4	9.00	11.06	7.30	21.75 Extended	7
S-20124	R	1	4	9.00	11.06	7.30	24.75 Extended	7
S-20413	R	1	4	9.00	11.06	7.30	S/A S-20217 w/ Piston Rotated 45°	7
S-20127	R	1	4	10.38	10.75	7.30		8
S-2394	R	2	1	6.31	7.00	3.20		8
59484-002L	R	2	1	9.00	9.50	4.06		8
56808-002L	R	2	1	9.00	9.50	4.60	w/ Bracket	8
57140-002L	R	2	1	9.00	9.50	4.60	w/ Bracket, LH	8
57150-002L	R	2	1	9.00	9.50	4.60	w/ Bracket, RH	8
S-2064	R	2	1	9.00	9.50	4.80	Can Use S-11650	8
56917-002L	R	2	1	9.00	9.50	5.98	w/ Bracket, 1/4" NPT Inlet + 1/2" Stud Top	8
59601-002L	R	2	1	9.00	9.50	5.98	Combo Stud + 1/2" Stud Top	8
59031-002L	R	2	1	9.00	9.50	6.27	w/ 3 Hole Bracket	8
58541-002L	R	2	1	9.00	9.50	6.27	w/ 2 Hole Bracket	9
59010-002L	R	2	1	9.00	9.50	7.63	w/ Bracket	9
59861-002L	R	2	1	9.00	9.50	8.14	w/ Bracket	9
58995-002L	R	2	1	9.00	10.00	7.63	w/ Bracket, 20" Extended	9
57122-002L	R	2	1	9.00	10.00	7.63	w/ Bracket, 22" Extended	9
59055-002L	R	2	1	9.00	10.00	7.63	5.50 Top Stud Spacing, Metric	9
58817-002L	R	2	1	9.00	10.00	7.63	6.20 Top Stud Spacing, Metric	9
58520-002L	R	2	1	9.00	10.00	7.63	S/A 58995-002L w/ Metric Studs	9
50898-002L	R	2	1	9.00	10.00	8.14	w/ Bracket	9
50899-002L	R	2	1	9.00	10.00	8.14	50898-002L w/ Mack Bracket (OEM Only, Use 50898-002L)	N/A
60666-002L	R	2	1	9.00	10.00	8.14	S/A 50898-002L w/ Metric Studs	9
S-23720	R	2	1	9.00	10.25	7.40	20.75 Extended, 9" Dia. Flex Member	10
S-23721	R	2	1	9.00	10.25	7.40	20.75 Extended, 10" Dia. Flex Member	10
S-23613	R	2	1	9.00	10.25	7.40	24.75 Extended, 9" Dia. Flex Member	10
S-23611	R	2	1	9.00	10.25	7.40	24.50 Extended, 13" Dia. Flex Member	10
S-23612	R	2	1	9.00	10.25	9.20	27.50 Extended	10
S-23614	R	2	1	9.00	10.25	9.20	28.75 Extended	10
S-21800	R	2	1	10.38	9.18	6.00		10
S-20900	R	2	1	10.38	9.18	6.00	R/B S-21800	10
S-21966	R	2	1	10.38	9.18	8.00	1.56 Lg. Top Studs	10
S-22948	R	2	1	10.38	9.18	8.00	2.50 Lg. Top Studs	10
S-20901	R	2	1	11.31	10.13	5.10	19" Extended, 10.63 Dia. Flex Member	11
S-25873	R	2	1	11.31	10.13	5.10	11.63 Dia. Flex Member	11
S-21784	R	2	1	11.31	10.13	5.10	S/A S-20901 w/ Piston Support Disk	11
S-24443	R	2	1	11.31	10.13	8.00	S/A S-23748 w/ Piston Support Disk	11
C-23748	R	2	1	11.31	10.13	8.00		11
S-14147	R	2	2	9.00	9.25	4.50	Do Not remove top Retaining Strap	11
S-7364	R	2	2	9.00	9.50	6.00		11
S-7193	R	2	2	9.00	9.50	6.40		11
49048-002L	R	2	2	9.00	10.00	8.21	Combo Stud + 1/2" Stud Top	11
50405-002L	R	2	2	9.00	10.00	8.22	w/ bracket, 1/4" NPT Inlet + 1/2" Stud Top	11
S-11650	R	2	3	9.00	9.50	4.80	S/A S-2064 w/ Threaded Holes In Piston	12
S-3411	R	2	4	9.00	9.38	7.30		12
S-2827	R	2	4	9.00	9.50	7.10	S/A S-11566 w/ 4 Hole Piston	12
S-1245	R	2	4	9.00	9.75	6.10		12
S-4773	R	2	4	9.00	10.13	9.50	5.50 Top Stud Spacing	12
S-10352	R	2	4	9.00	10.13	9.50	6.20 Top Stud Spacing	12
S-12353	R	2	4	9.00	10.25	7.90		12
S-6195	R	2	4	9.00	10.25	8.00	5.50 Top Stud Spacing	12
S-2066	R	2	4	9.00	10.25	8.00	5.50 Top Stud Spacing, S/A S-6195 w/ Piston Rotated 45°	12
S-2694	R	2	4	9.00	10.25	8.00	6.20 Top Stud Spacing, 1.56 Lg Studs Top	12
S-2924	R	2	4	9.00	10.25	8.00	6.20 Top Stud Spacing, 1.35 Lg Studs Top	13
S-3842	R	2	4	9.00	10.25	9.20	5.50 Top Stud Spacing	13
S-14249	R	2	4	9.00	10.25	9.20	6.20 Top Stud Spacing, S/A S-4375	13
S-4375	R	2	4	9.00	10.25	9.20	6.20 Top Stud Spacing, S/A S-14249	13

Hendrickson Air Springs - Parts Listing by Dimensions

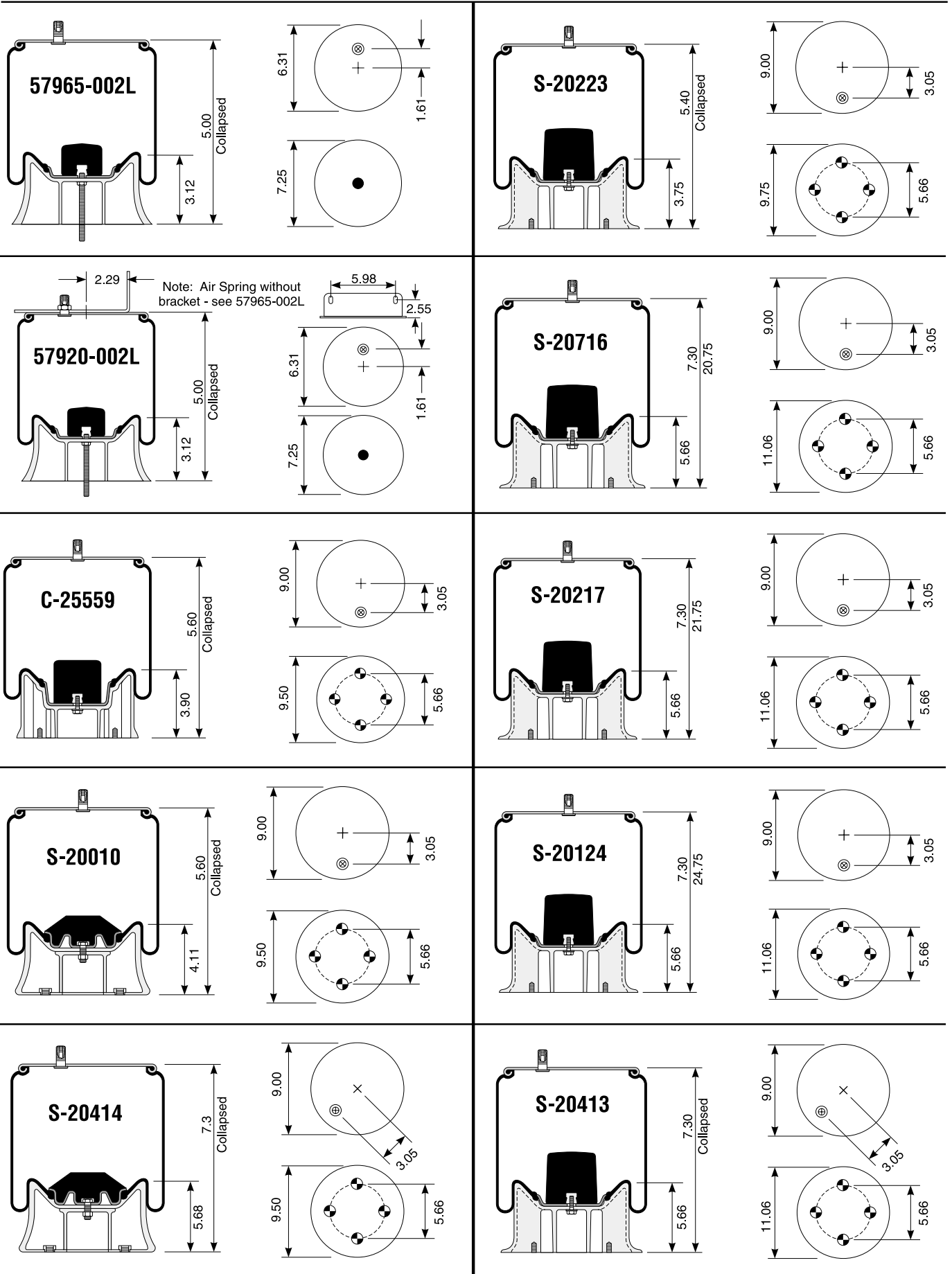
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S-8988	R	2	4	9.00	10.25	10.10		13
S-22045	R	2	4	10.38	8.43	7.30		13
S-22046	R	2	4	10.38	9.38	7.30		13
S-22697	R	2	4	10.38	9.50	11.50		13
S-25871	R	2	4	10.38	10.25	8.20		13
S-3830	R	2	4	10.38	10.25	8.90		13
S-25872	R	2	4	10.38	10.25	9.50		14
S-3467	R	2	4	11.31	10.25	8.90	27.25 Extended	14
S-22173	R	2	4	11.31	10.25	8.90	28.25 Extended	14
S-13122	R	2	4	11.31	10.25	10.10		14
S-4771	R	2	4	11.31	11.50	5.80		14
S-9001	R	2	4	11.31	11.80	5.70		14
S-24445	R	2	4	11.38	10.25	8.20		14
S-24446	R	2	4	11.38	10.25	9.50		14
S-25319	R	2	4	11.38	11.13	7.50		14
S-11566	R	2	5	9.00	9.50	7.10	S/A S-2827 w/ 5 Hole Piston; Reuse Existing Stud / Remove Bolt Before Installation	14
S-21208	R	3	4	9.00	9.50	5.60		15
S-2065	R	5	4	11.31	10.25	7.30		15
S-2063	R	5	4	11.31	10.25	8.90		15
S-3648	R	5	4	11.31	11.81	5.60	(4) 3/8" Holes + 1/4" NPT Inlet Top	15
S-3839	R	5	4	11.31	11.81	5.70	(4) 1/2" Studs + 1/4" NPT Inlet Top	15
002878	2C	1	2	6.31	6.31	3.00	S/A S-23114	15
S-23114	2C	1	2	6.31	6.31	3.00	S/A 002878	15
B-14486	2C	1	2	6.31	6.31	3.00	Heavy Duty	15
003317	2C	1	2	6.31	6.31	3.00	S/A B-14486 w/ Metric Attachment	15
S-21323	2C	2	2	6.40	6.40	3.80		15
S-1345	2C	2	2	9.00	9.00	3.00	Combo Stud + 3/8" Hole Top, 1.57 Lg Stud	16
S-12335	2C	2	2	9.00	9.00	3.12	Combo Stud + 3/8" Hole Top, 1.35 Lg Stud	16
S-5468	2C	2	2	9.00	9.00	3.50	Combo Stud + 3/8" Hole Top	16
001796	2C	2	2	9.00	9.00	3.60	Combo Stud + 1/2" Stud Top, Bottom Holes Perpendicular	16
S-3798	2C	2	2	9.00	9.00	3.70	Combo Stud + 1/2" Stud Top, Bottom Holes Parallel	16
S-6242	2C	2	2	9.00	9.00	3.70	Combo Stud + 3/8" Hole Top	16
B-1159	2C	2	2	9.00	9.00	4.20	Combo Stud + 3/8" Hole Top, 1.35 Lg. Stud	16
001475	2C	2	2	9.00	9.00	4.20	Combo Stud + 3/8" Hole Top, 1.57 Lg. Stud	16
S-10170	2C	2	2	9.00	9.00	4.20	Combo Stud + 1/2" Stud Top, Bottom Holes Perpendicular	16
001503	2C	2	4	9.00	9.00	3.70		16
S-6412	2C	2	4	11.31	11.31	4.80		17
001347	2C	3	1	5.31	5.31	3.00		17
B-14395	2C	3	2	5.31	5.31	3.00		17
S-8768	2C	3	2	6.31	6.31	3.00	Offset Inlet Top	17
B-14318	2C	3	2	6.31	6.31	3.50		17
003318	2C	3	2	6.31	6.31	3.60	Metric	17
B-2630	2C	3	2	6.31	6.31	4.00	3/8" Holes + 1/4" NPT Inlet Top	17
S-5270	2C	3	2	6.31	6.31	4.10	1/2" Studs + 1/4" NPT Inlet Top	17
45843-001L	2C	3	2	6.31	6.31	4.10	R/B S-5270	17
B-8701	2C	3	2	6.31	6.31	4.80		17
S-9830	2C	3	2	9.00	9.00	3.70		18
S-1013	2C	3	2	9.00	9.00	4.10		18
S-1080	2C	5	4	11.31	11.31	3.80	3/8" Holes + 1/4" NPT Inlet Top, 11.25 Extended	18
S-2734	2C	5	4	11.31	11.31	3.80	3/8" Holes+1/4" NPT Inlet Top, 15.25 Extended	18
S-3184	2C	5	4	11.31	11.31	3.80	1/2" Studs+1/4" NPT Inlet Top	18
B-11637	3C	2	2	9.00	9.00	4.60	Combo Stud+3/8" Hole Top, Bottom Holes Parallel	18
B-12405	3C	2	2	9.00	9.00	4.60	Combo Stud+3/8" Hole Top, Bottom Holes Perpendicular	18
003316	3C	2	4	9.00	9.00	4.50	Metric	18
B-14487	3C	2	4	9.00	9.00	4.60		18
001015	3C	2	4	10.38	10.38	4.60	3/8" Holes Bottom 6.20 Bolt Circle	18
001795	3C	2	4	11.31	11.31	4.00	3/8" Holes Bottom 8.84 Bolt Circle	19
B-7100	3C	2	4	11.31	11.31	4.80	6.25 Stud Spacing Bottom	19
B-7853	3C	2	4	11.31	11.31	4.80	6.25 Stud Spacing Bottom, S/A B-7100 w/ Bottom Rotated 45°	19
B-8874	3C	2	4	11.31	11.31	6.30	5.56 Stud Spacing Bottom	19
002348	3C	3	4	10.38	10.38	4.60		19
S-6861	3C	5	4	11.31	11.31	4.80		19

Hendrickson Air Springs - Parts Listing by Application

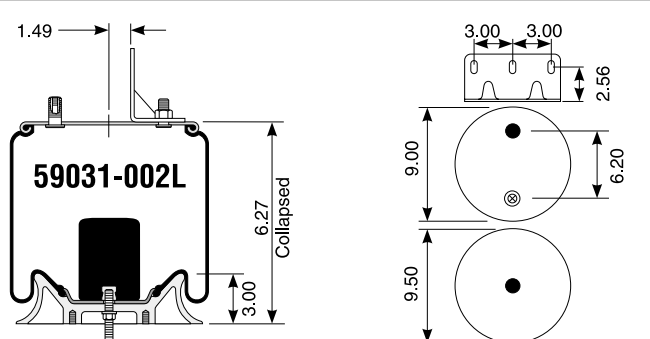
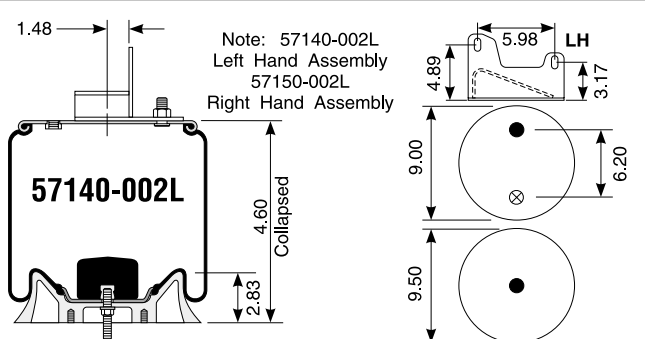
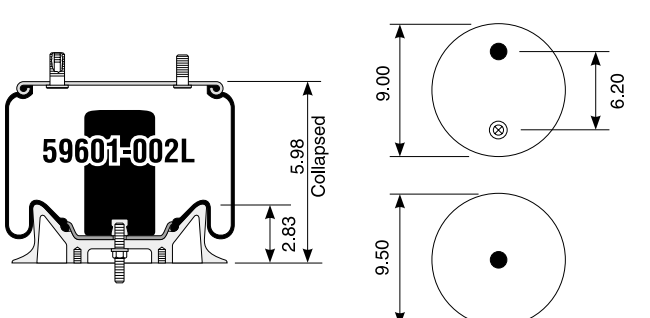
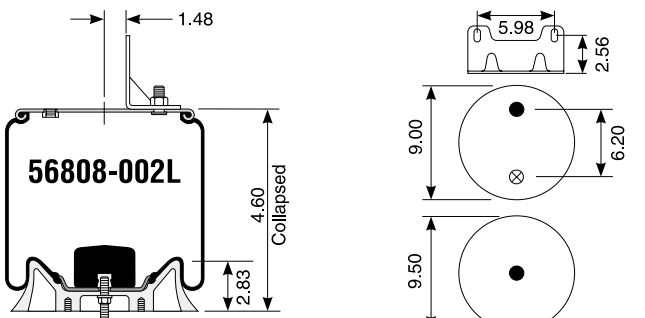
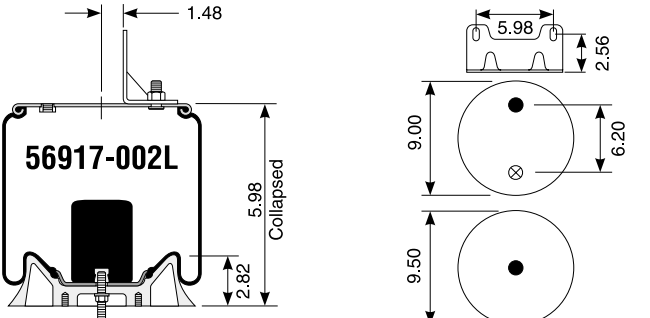
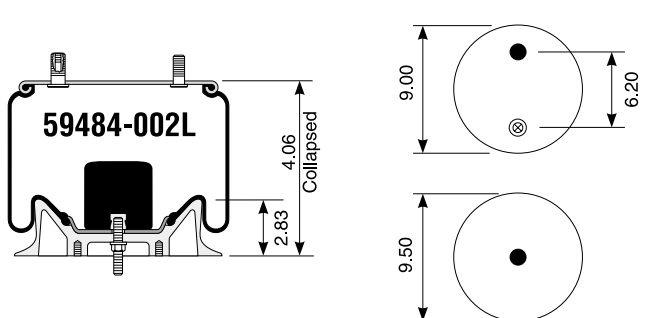
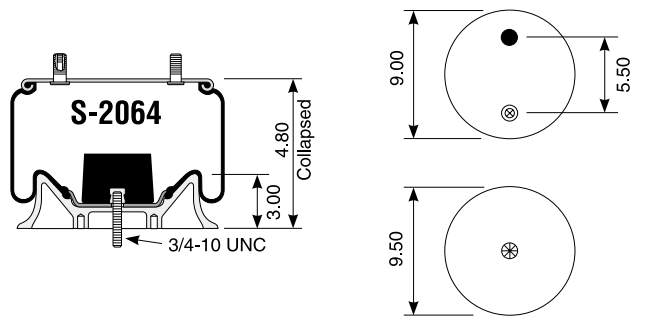
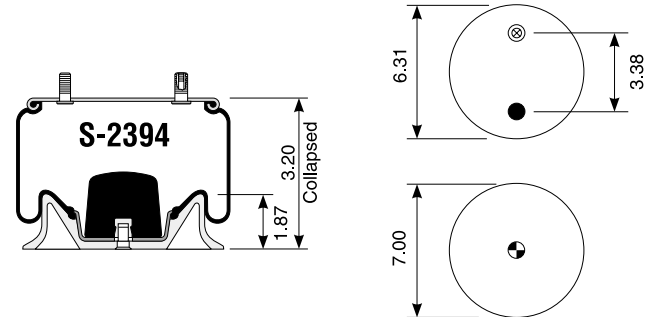
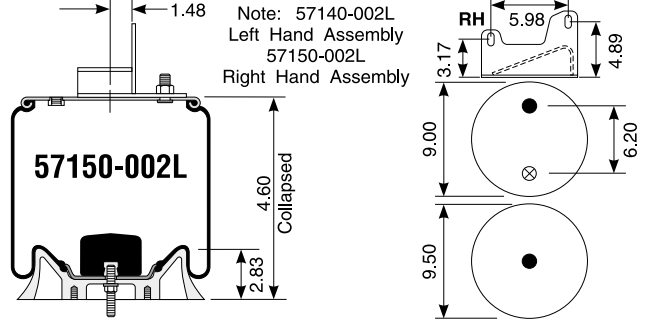
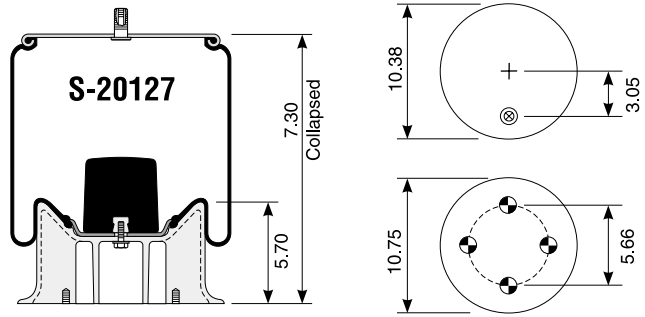
Part No.	Suspension Model/Type	Page No.
S-21800	AA200, AA230, HIK, HKA180	10
S-21966	AA200, AA230, KIK, HKA200	10
S-23613	AA230L	10
S-23614	AA230L	10
S-23720	AA230L	10
S-20901	AA250, HKA250	11
S-21784	AA250, HKA250	11
S-23611	AA250L	10
S-23612	AA250L	10
S-23721	AA250L	10
S-24446	AA300EDL	14
S-25319	AA300EDL	14
S-25871	AA300L	13
S-25872	AA300L	14
S-25873	AA300T	11
B-1159	AB, LD	16
45843-001L	AR	17
S-7364	CC	11
S-1345	CL, HTBL, VCL, T, TMB	16
S-1080	CL, T	18
S-2734	CL, T	18
49048-002L	HA 360/400/460	11
50405-002L	HA 360/400/460	11
57965-002L	HAS	7
60666-002L	HAS	9
59055-002L	HAS - Metric	9
58817-002L	HAS - Metric 150/190/210/230	9
57920-002L	HAS 120/150L	7
56808-002L	HAS 120L/190L	8
58541-002L	HAS 190/210/230L	9
59010-002L	HAS 190/210/230L	9
57140-002L	HAS 190L (L/H) GMC	8
57150-002L	HAS 190L (R/H) GMC	8
58520-002L	HAS 210/230/400/460	9
57122-002L	HAS 360/400/460	9
50898-002L	HAS 40LH	9
50899-002L	HAS 40LH (Mack Only) Use 50898-002L	N/A
58995-002L	HAS 460	9
56917-002L	HAS ALL (Low Profile)	8
59031-002L	HAS Bluebird	8
59861-002L	HAS Bluebird	9
S-20223	HC190T, HF190T, HS190T, HT190T, HTDolly	7
S-20217	HC190T, HF190U, HS190U, HT190U, HTDolly	7
C-25559	HC230, HF230, HS230, HT230, HTDolly, HT250US	7
S-20010	HC230, HF230, HS230, HT230, HTDolly, HT250US	7
S-13122	HC250U, HS250U, HT250U, HTDolly	14
S-3648	HC300, HS300, HT300, T, T23-RL	15
S-3839	HC300, HS300, HT300, T, T23-RL	15
S-4771	HC300, HS300, HT300, T, T23-RL	14
S-21208	HC3230, HT230	15
S-22045	HK190T	13
S-20413	HK200U, HT250U, HT250US	7
S-22046	HK230	13
S-22948	HKA180	10
C-23748	HKA250	11
S-24443	HKA250	11
S-24445	HKA250	14
B-14486	HLP (Lift Axle)	15
B-14487	HLP (Lift Axle)	18
001347	HLP (Lift Axle) - 20K	17
001015	HLP (Lift Axle) - Trailer	18
001475	HLQ	16
001795	HLUH	19

Hendrickson Air Springs - Parts Listing by Application

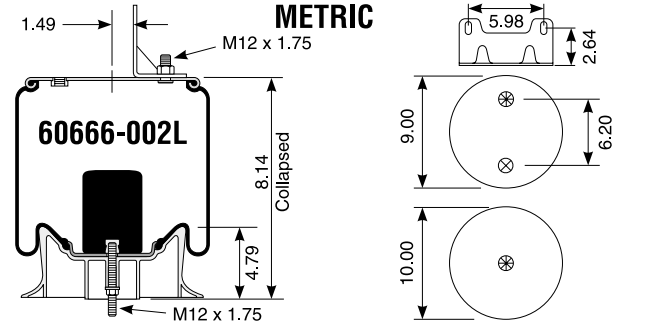
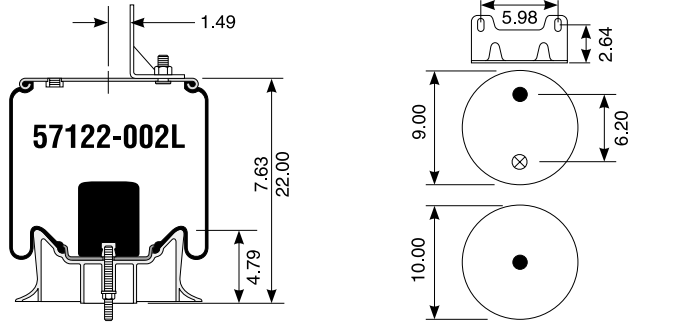
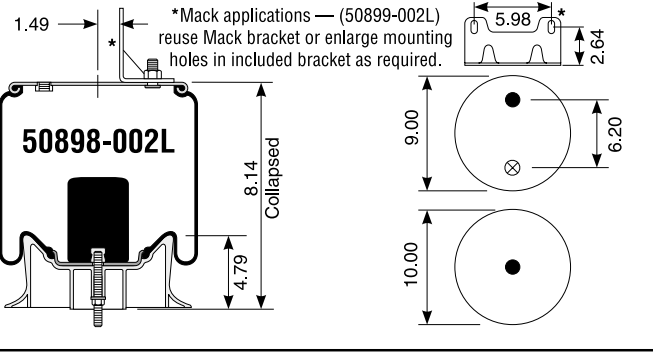
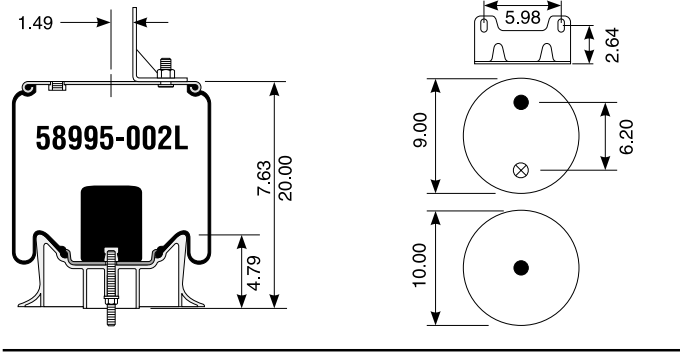
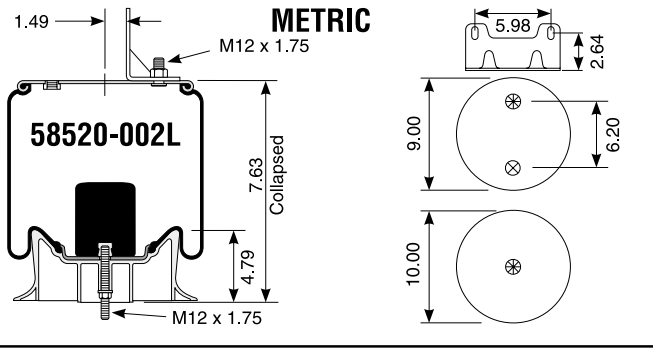
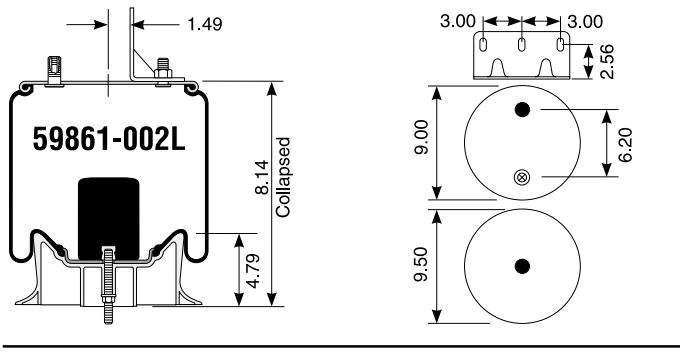
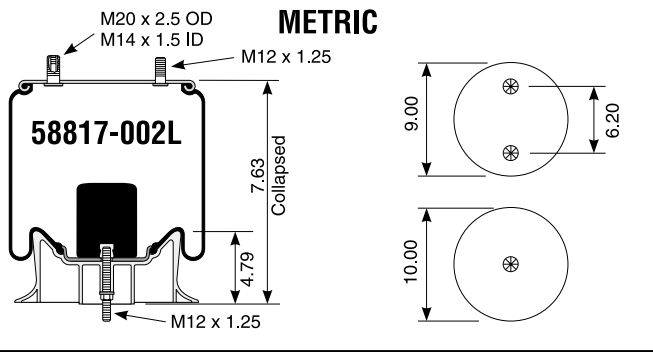
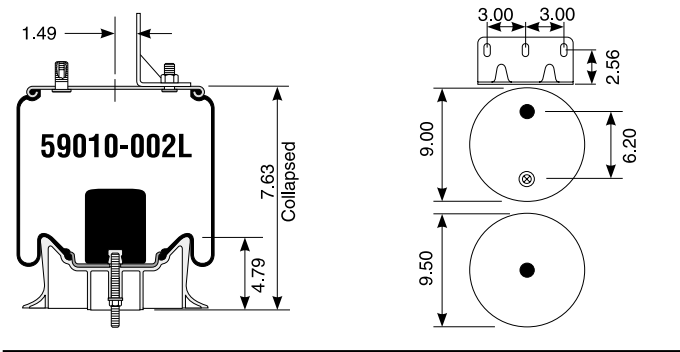
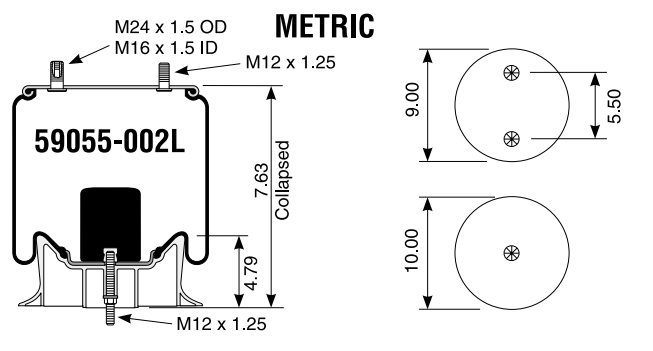
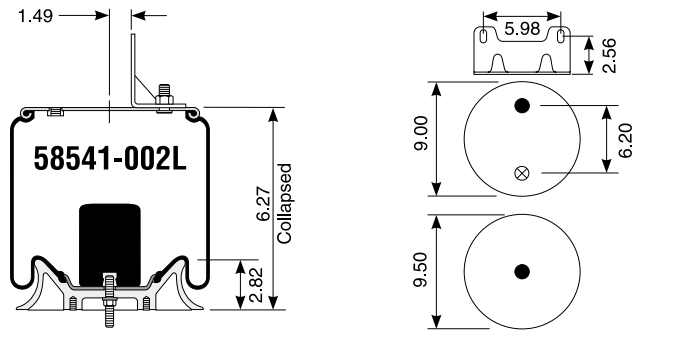
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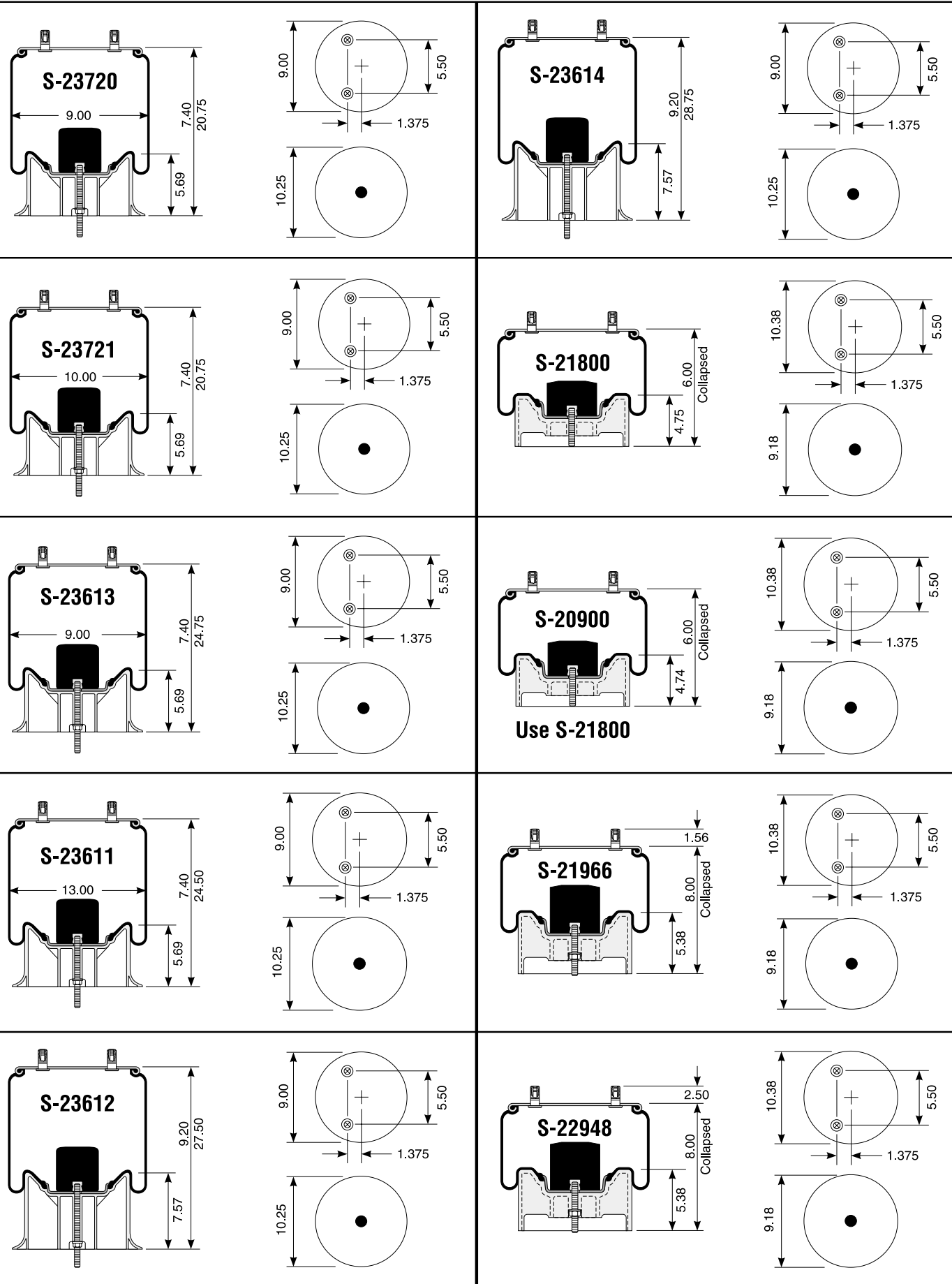
● Bolt or Stud 1/2-13 ● Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
 ⊕ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊛ As Noted on Drawing



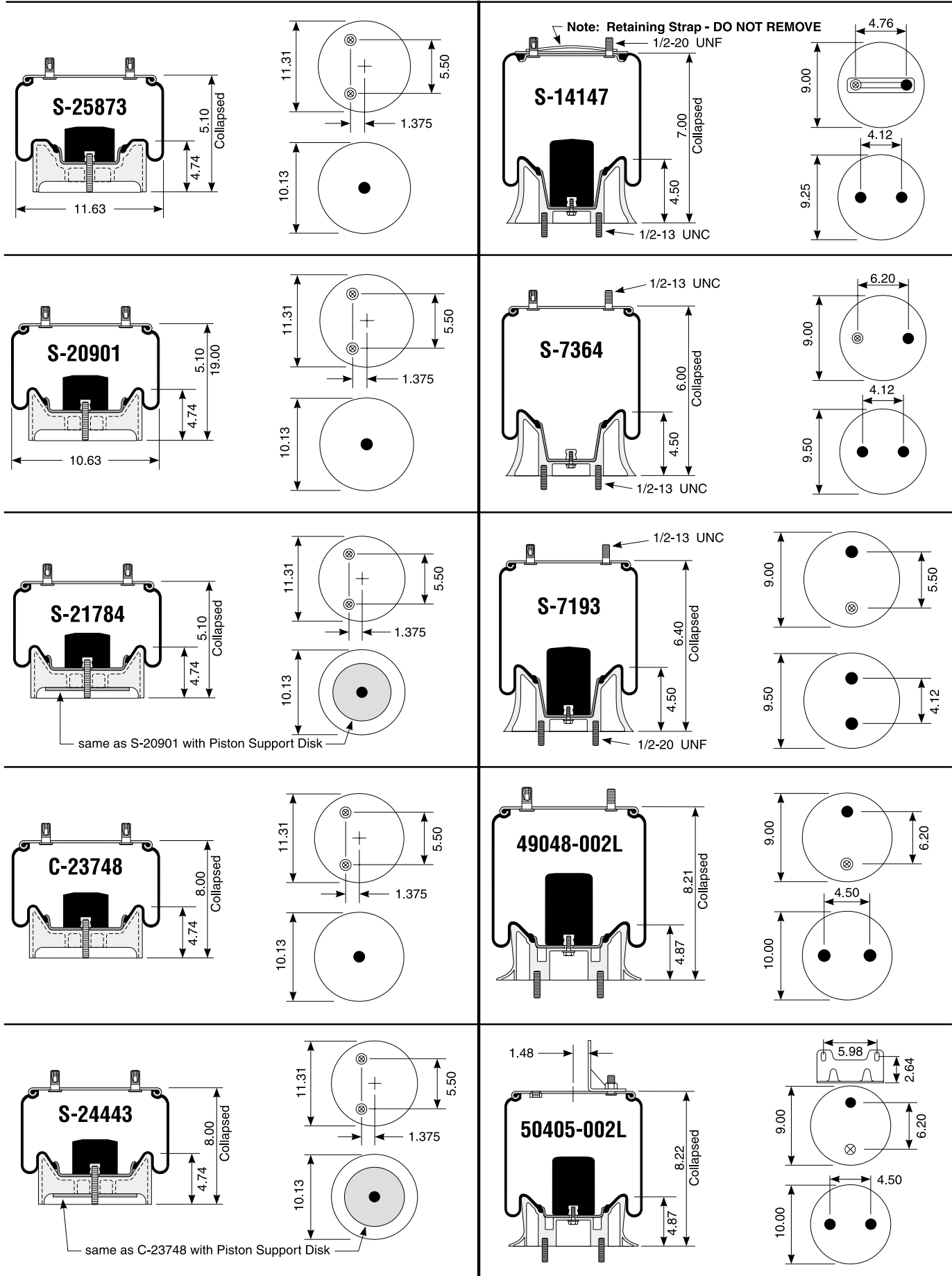
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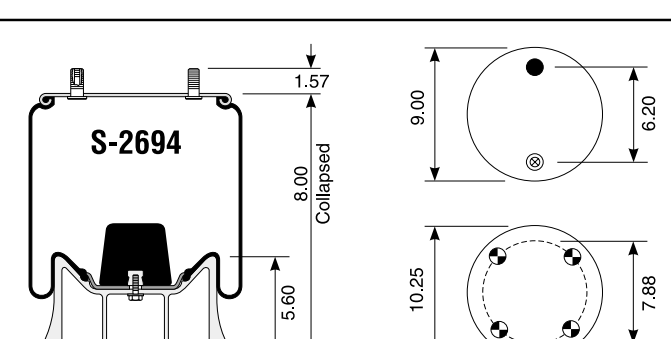
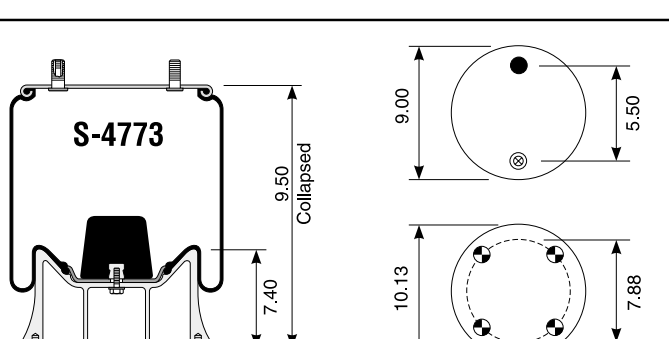
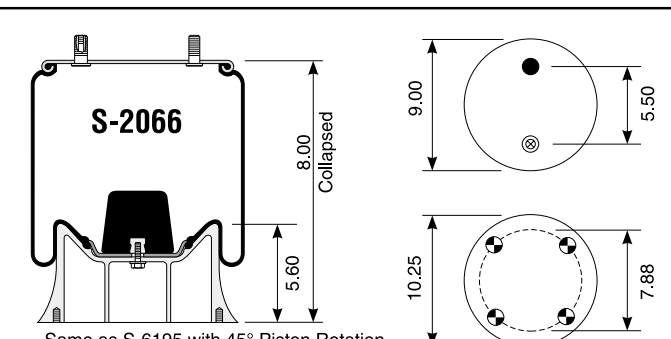
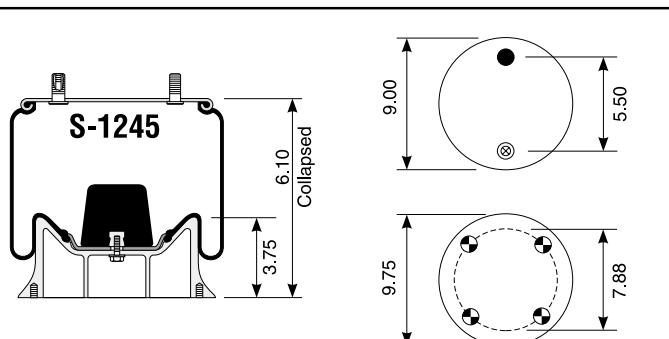
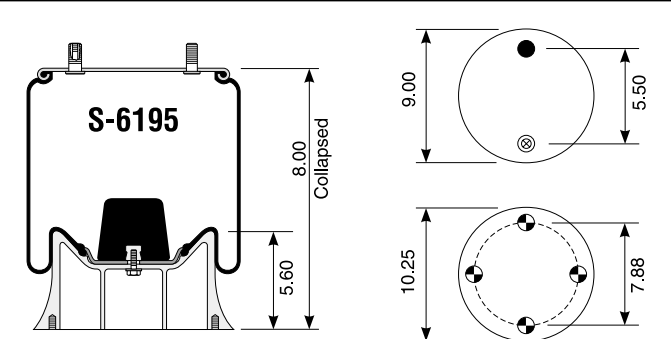
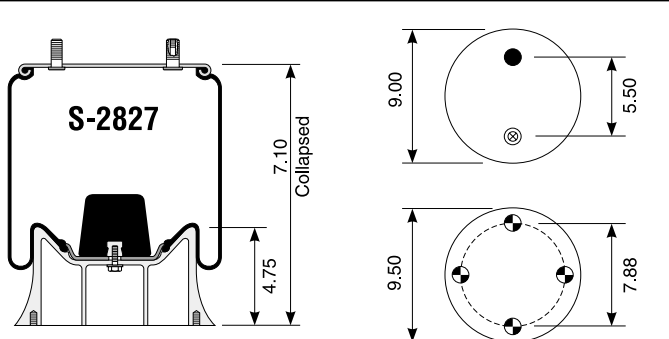
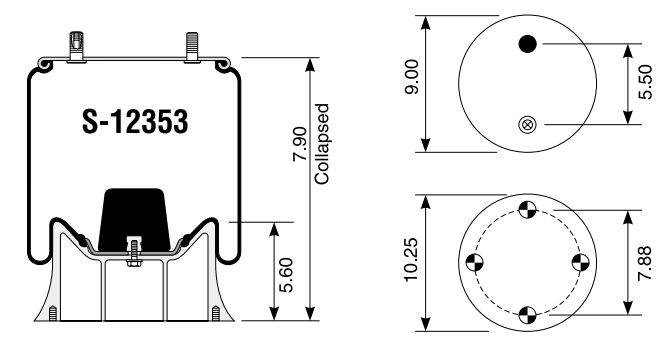
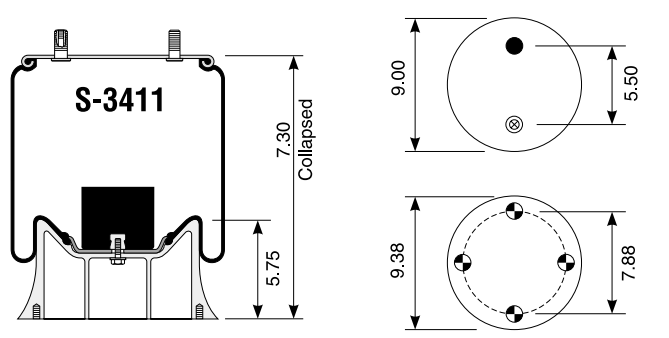
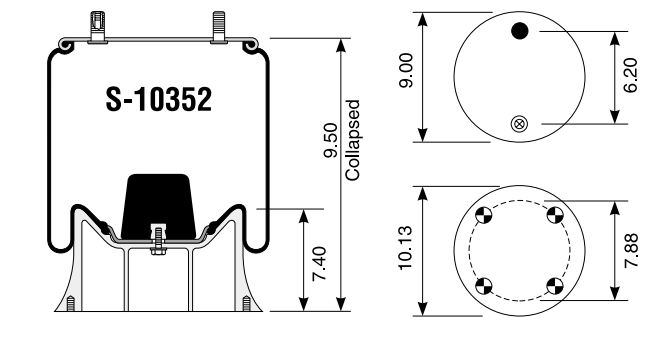
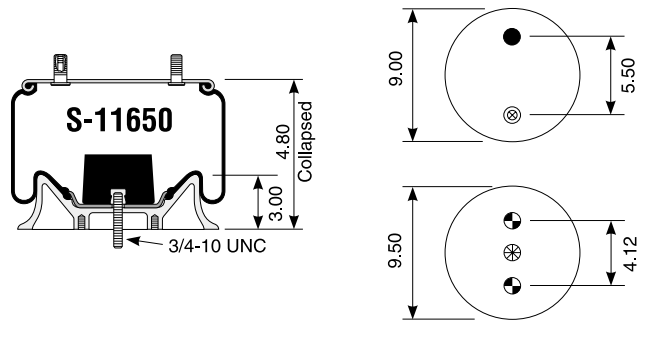
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 ⊙ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊗ As Noted on Drawing



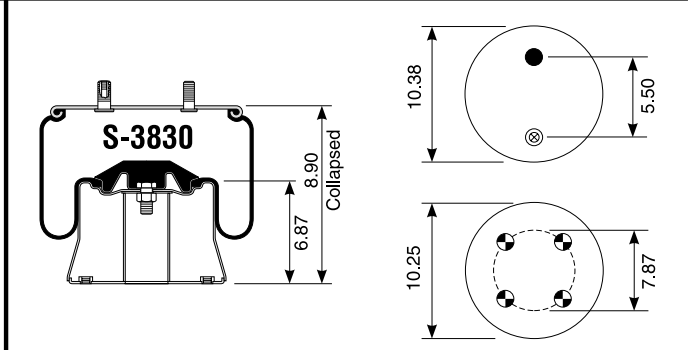
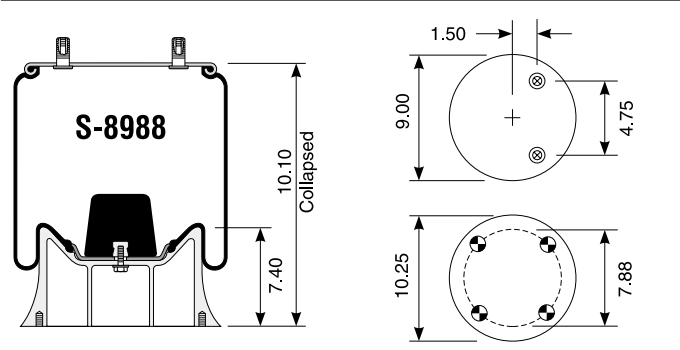
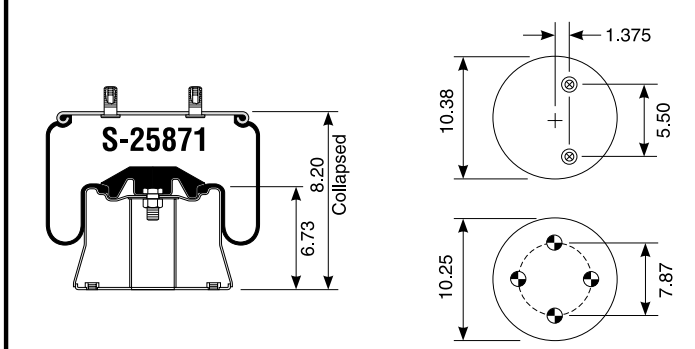
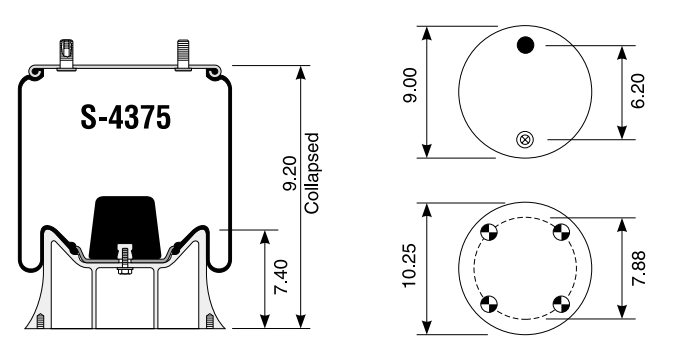
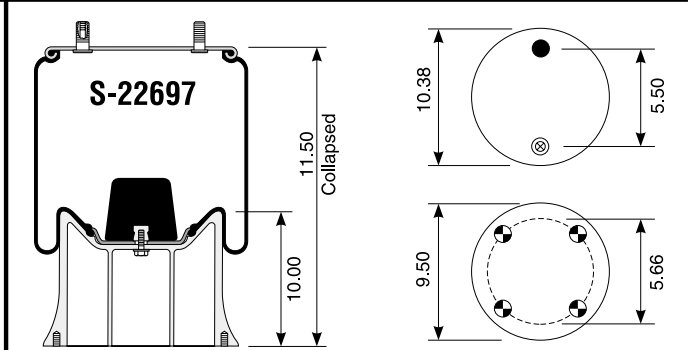
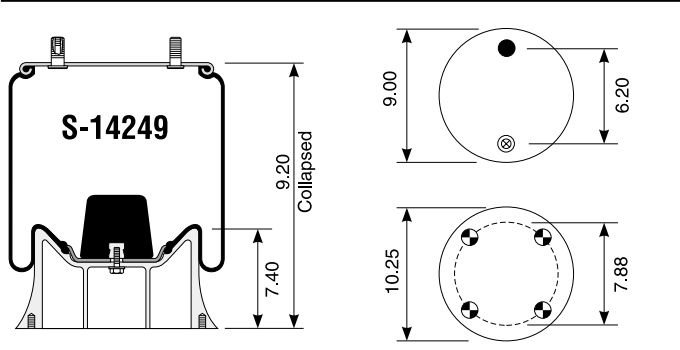
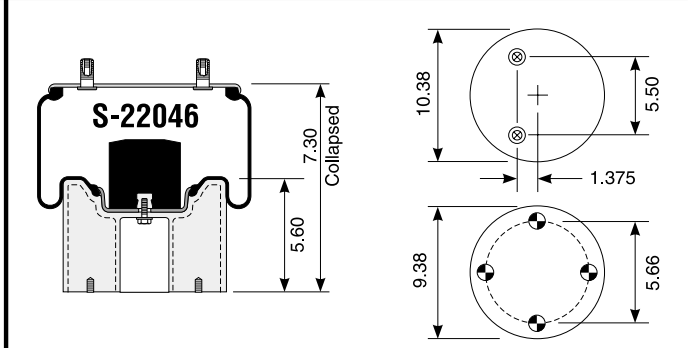
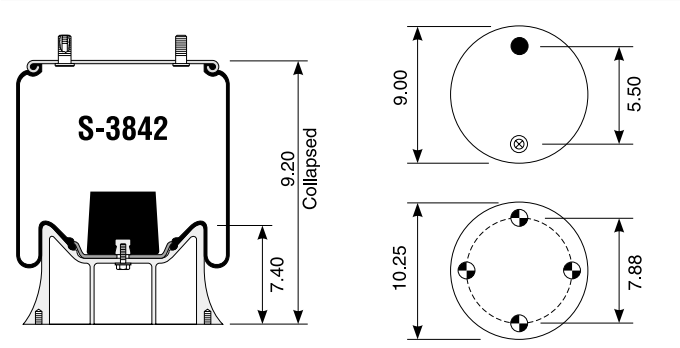
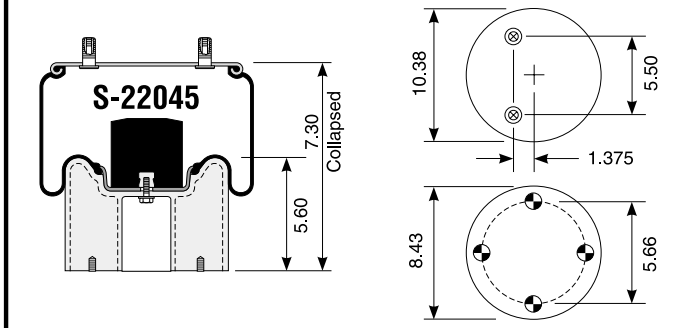
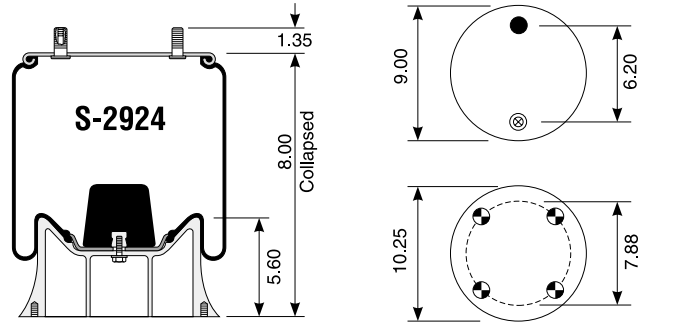
● Bolt or Stud 1/2-13 ⊕ Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
 ⊙ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊗ As Noted on Drawing



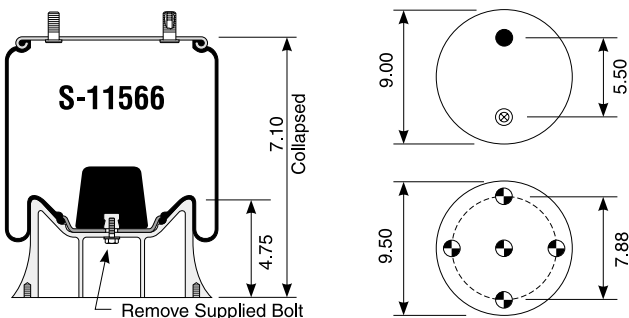
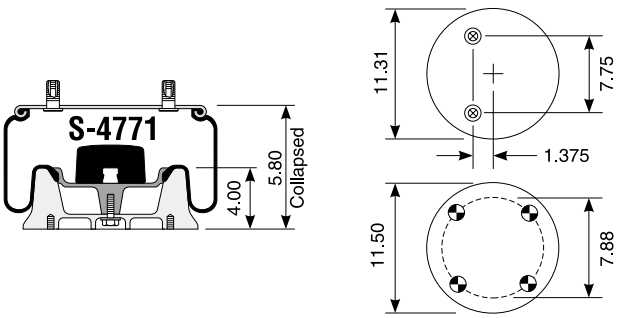
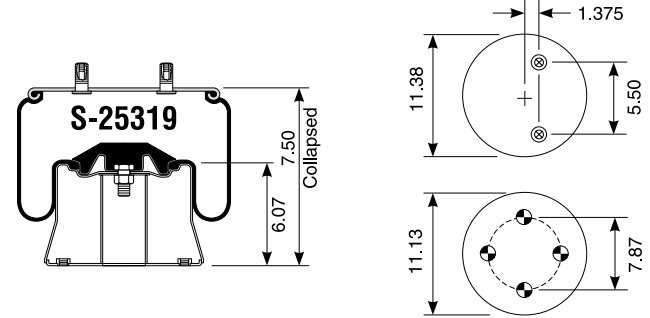
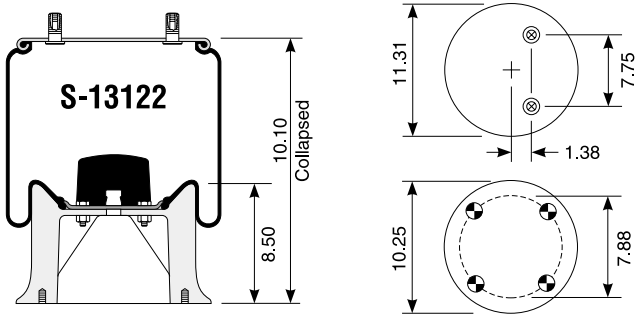
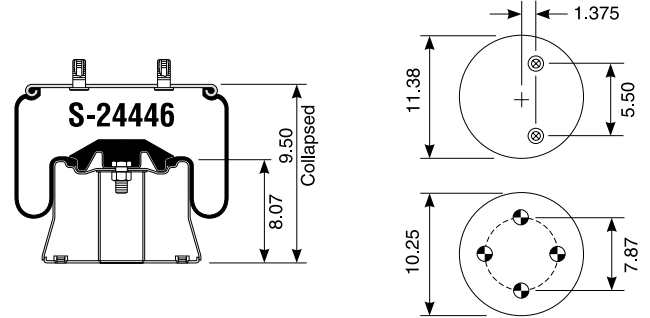
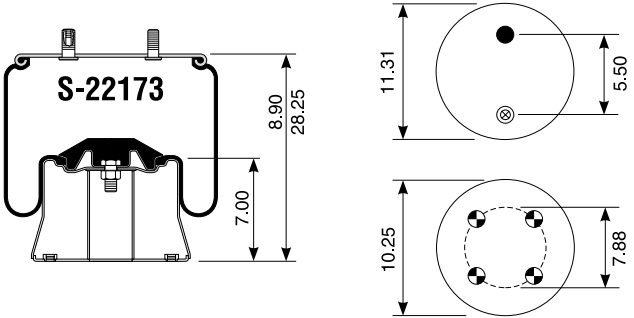
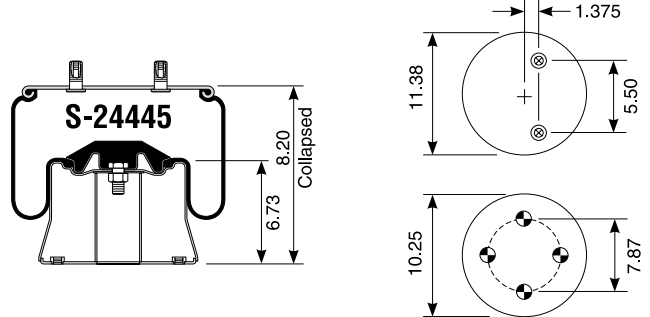
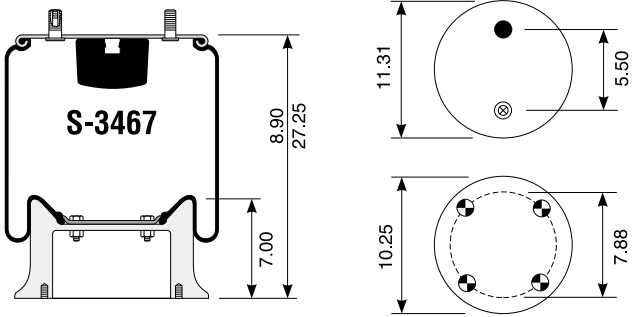
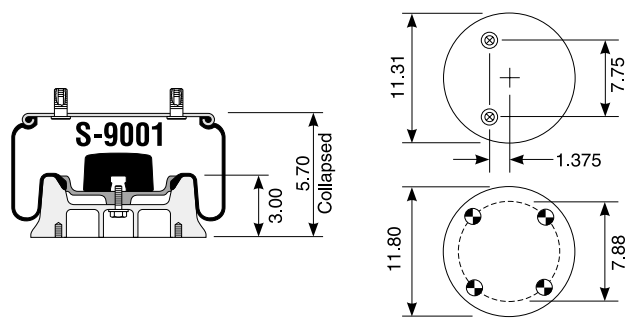
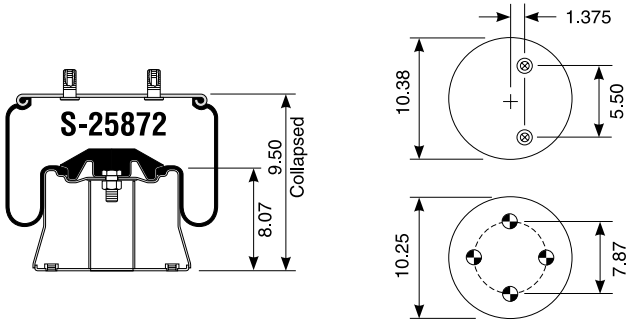
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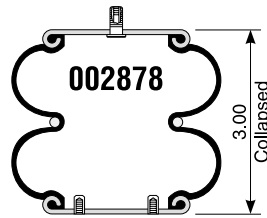
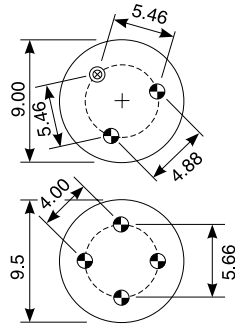
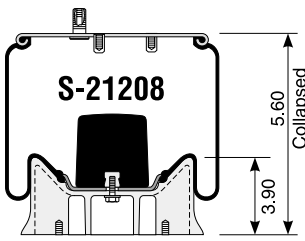
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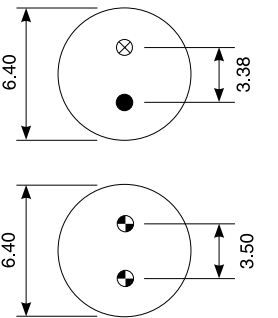
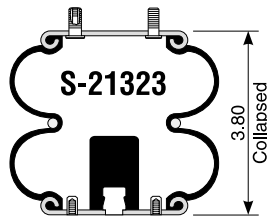
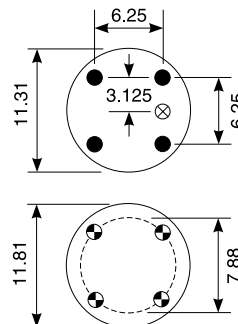
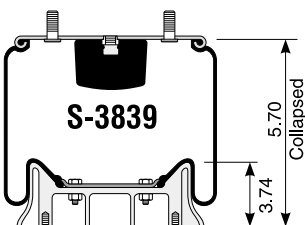
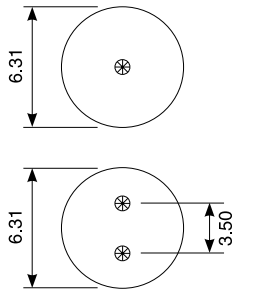
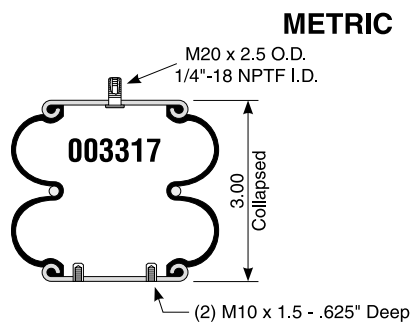
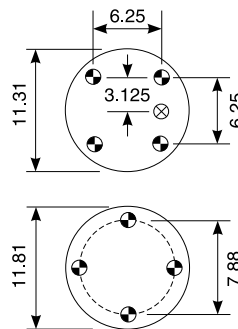
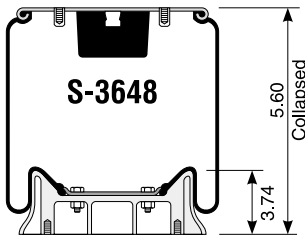
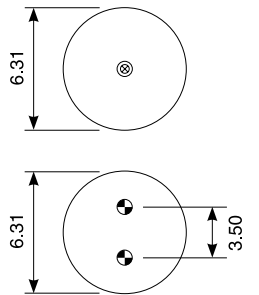
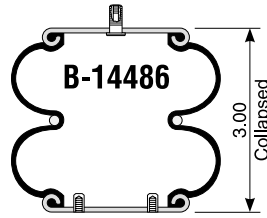
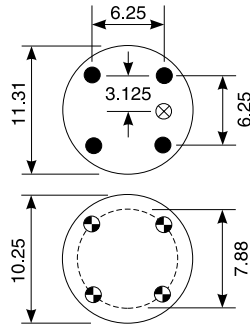
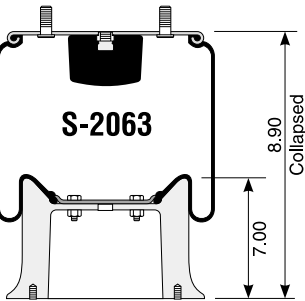
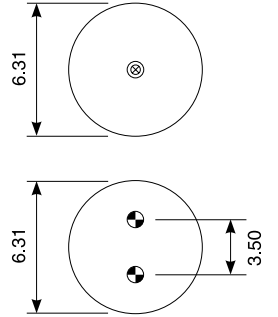
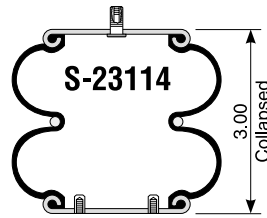
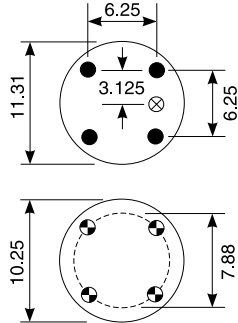
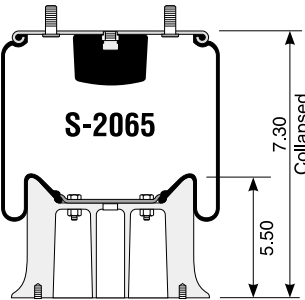
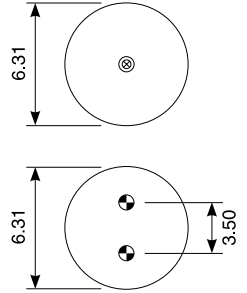
● Bolt or Stud 1/2-13 ● Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
 ⊗ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊗ As Noted on Drawing



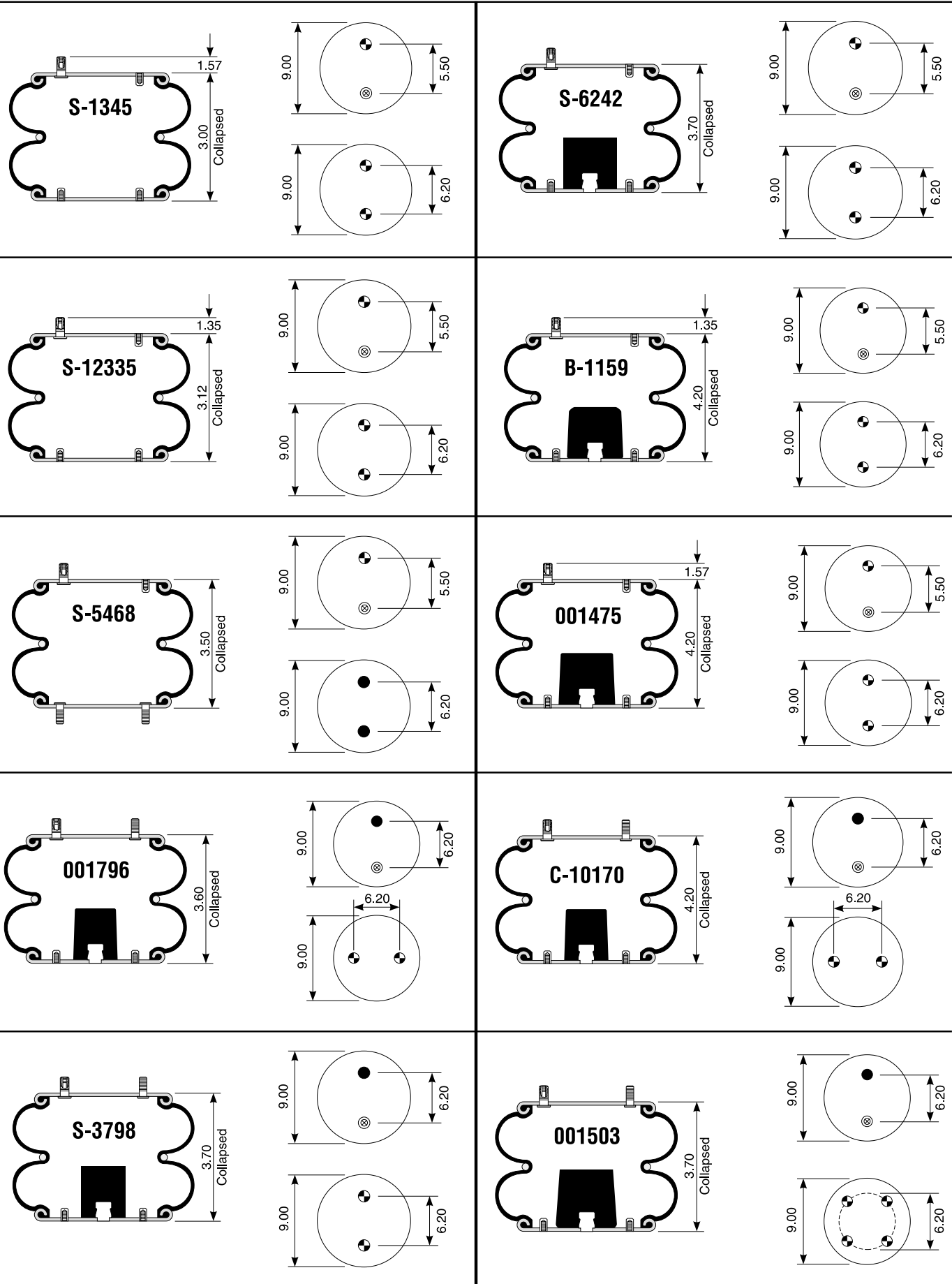
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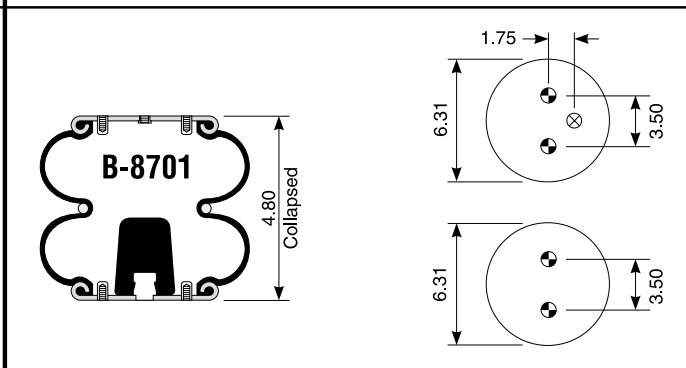
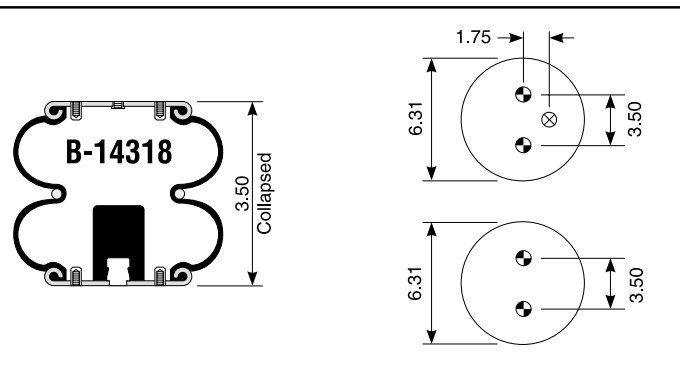
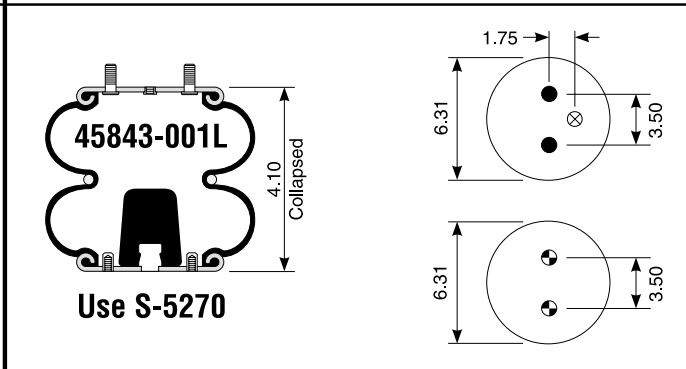
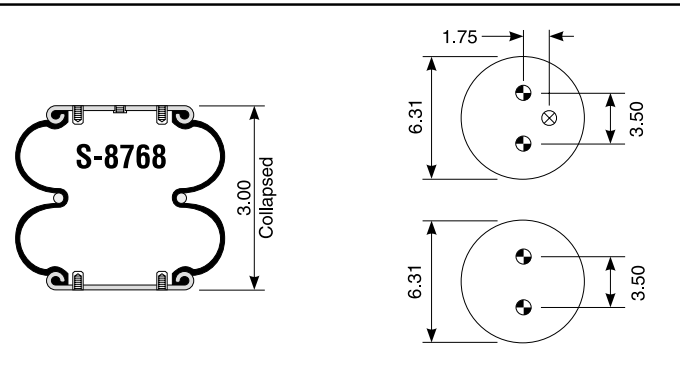
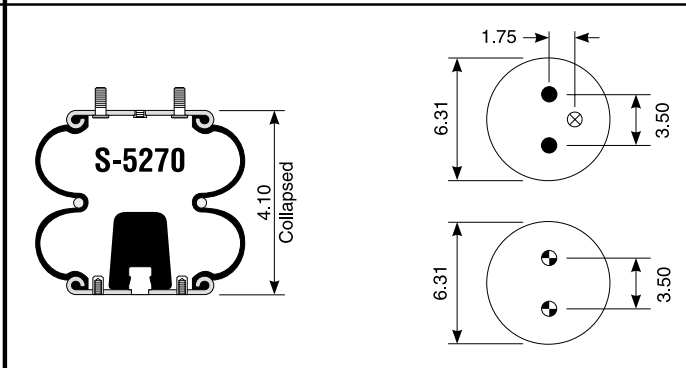
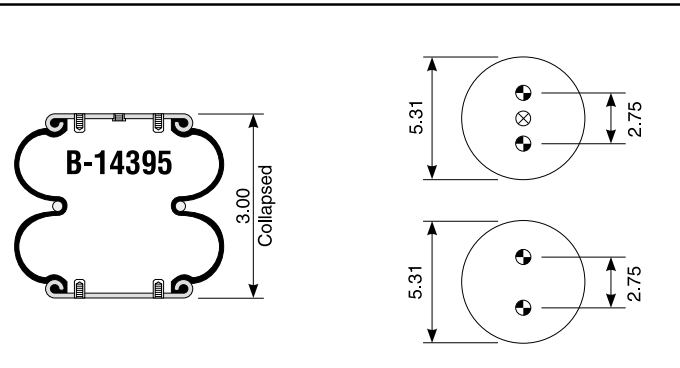
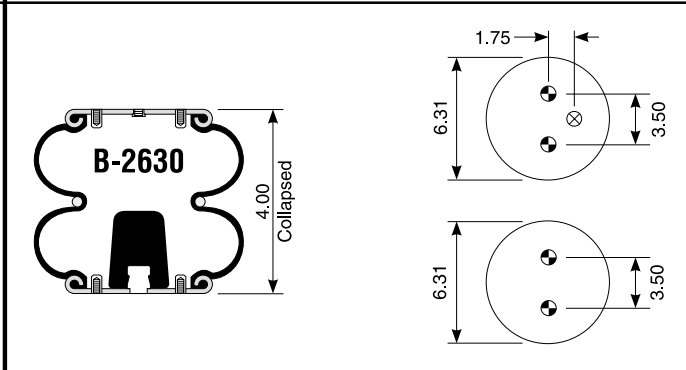
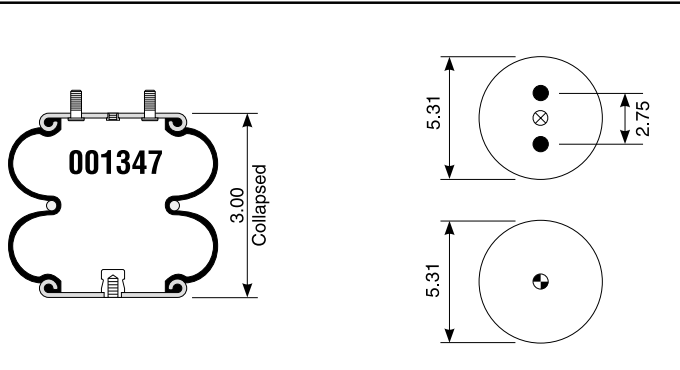
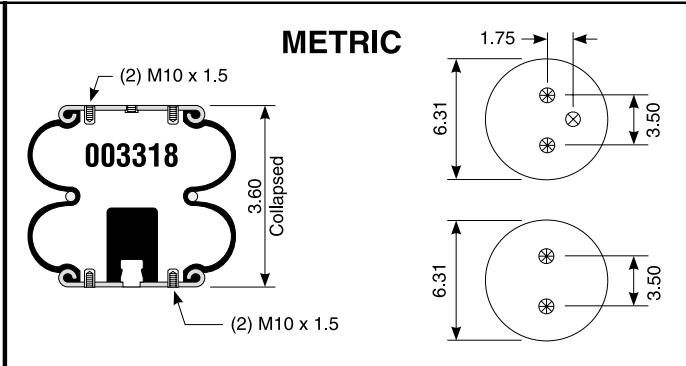
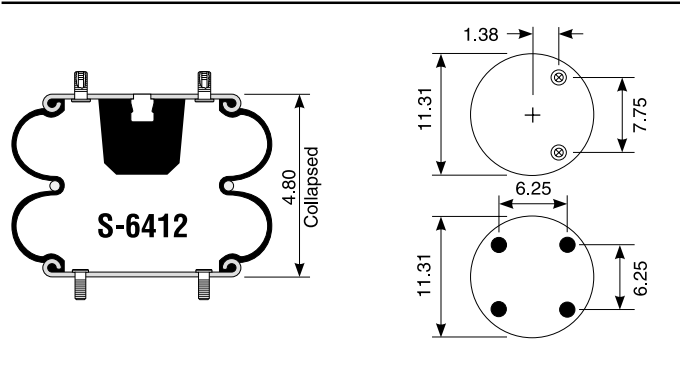
Same as S-23114



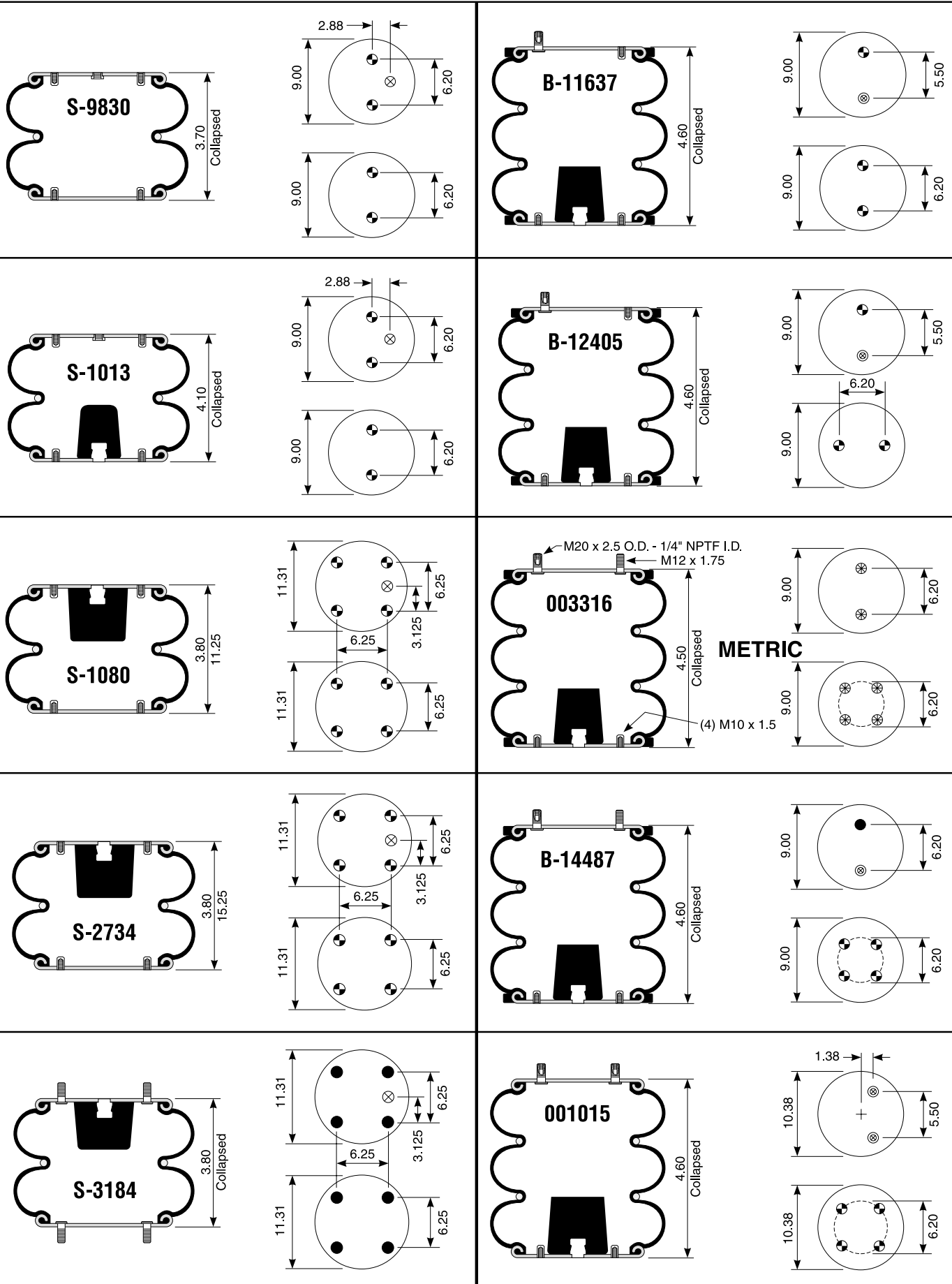
● Bolt or Stud 1/2-13 ● Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
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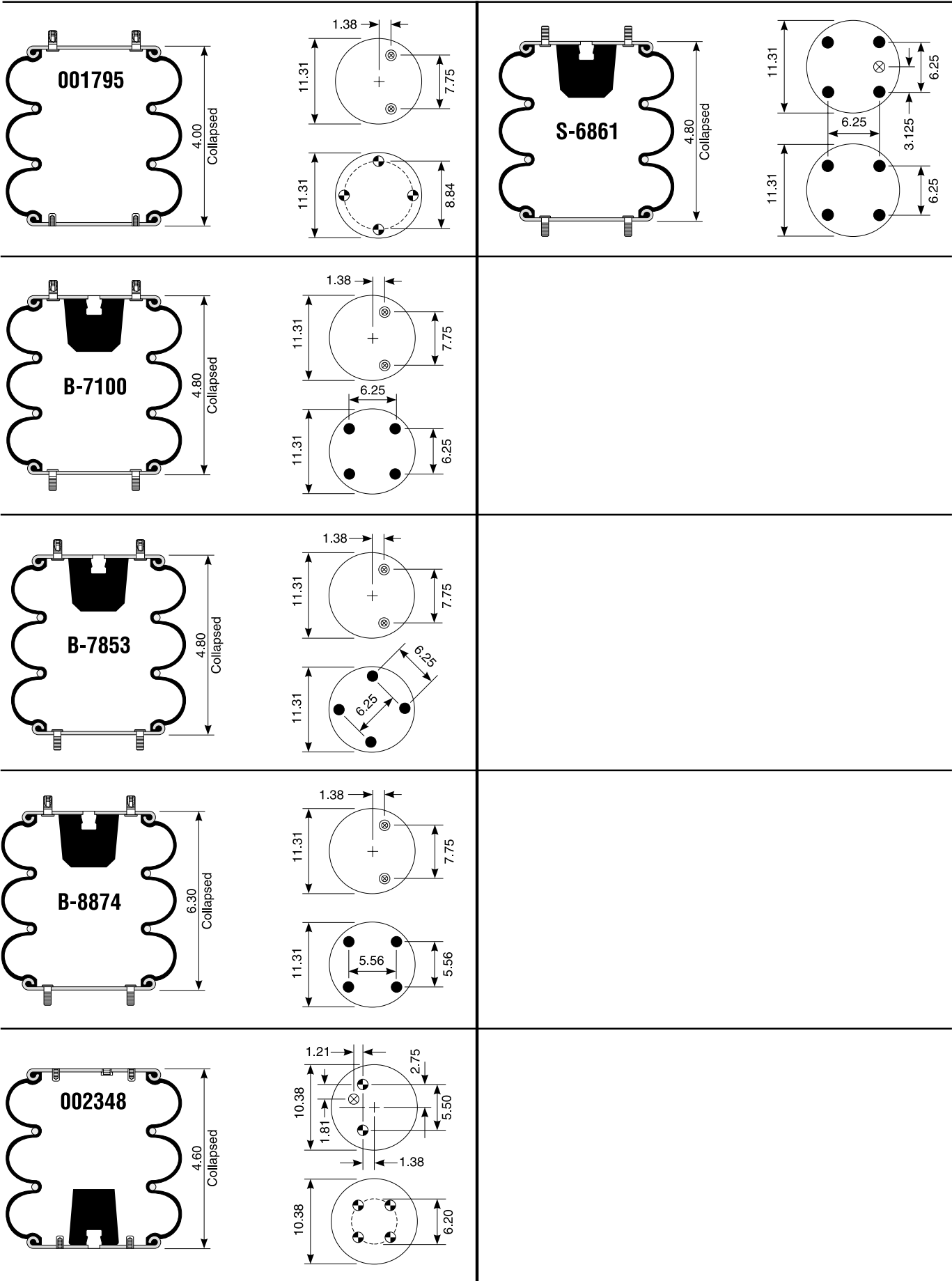
● Bolt or Stud 1/2-13 ⦿ Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
 ⊙ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊛ As Noted on Drawing



● Bolt or Stud 1/2-13 ● Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
 ⊙ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊗ As Noted on Drawing



● Bolt or Stud 1/2-13 ⊕ Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
 ⊙ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊛ As Noted on Drawing



● Bolt or Stud 1/2-13 ● Threaded Hole — 3/8 on Bead Plate, 1/2-13 on Piston ⊗ Air Inlet 1/4 NPT
 ⊗ Combination Stud/Air Inlet — OD Thread 3/4-16, ID Thread 1/4 NPT ⊗ As Noted on Drawing

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