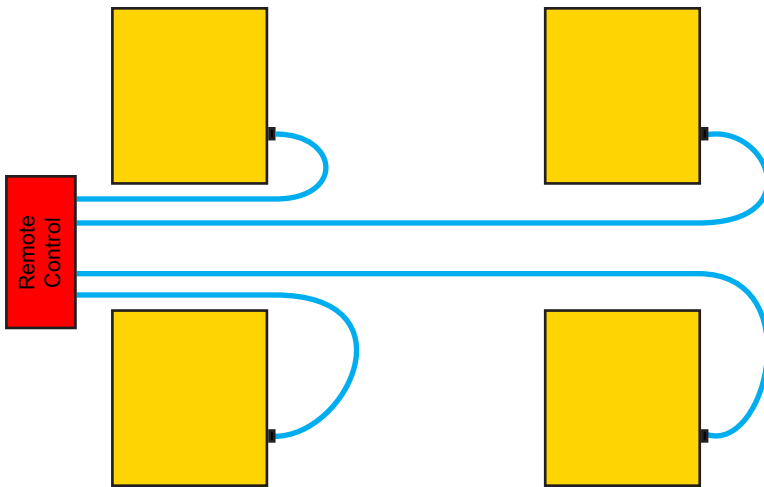


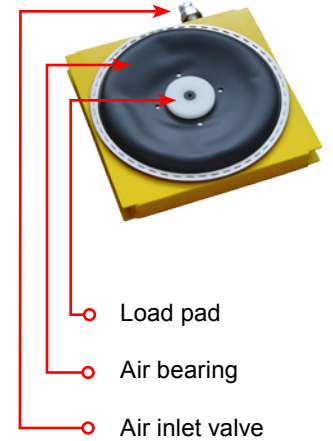


Square Aluminum Module Technical Specifications



Remote control units are optional on both SA and RS systems. They include the main control box and hand held pendant.

If remote control is not used, each module is fitted with an air flow control valve to enable smooth and friction-free movement of the load.



Pressure psig: Standard Bearings = 13 • HD Bearings = 26

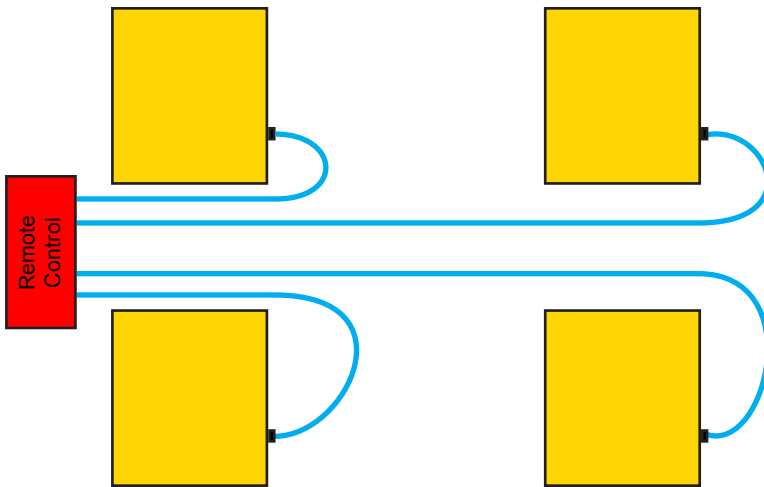
American Imperial Sizes

| MODULE | BEARING | CAPACITY | DIMENSIONS IN INCHES | | | | FLOW - SCFM | | LOAD PAD | WEIGHT POUNDS | HOSE SIZE |
|---------|-----------|----------|----------------------|--------|-------|--------|----------------|---------------|----------|---------------|-----------|
| | | | Model Number | Pounds | Width | Length | Height Air Off | Height Air On | | | |
| SA9 | 9NSG | 600 | 9.0 | 9.0 | 2.0 | 2.3 | 2.5 | 3 | 3.1 | 10 | 3/4" |
| SA12 | 12NSG | 1000 | 12.6 | 12.6 | 2.0 | 2.4 | 3 | 4 | 7.1 | 12 | 3/4" |
| SA12-HD | 12NSG-HD | 2000 | 12.6 | 12.6 | 2.0 | 2.3 | 5 | 6 | 7.1 | 12 | 3/4" |
| SA16 | 16NSG | 2000 | 16.8 | 16.8 | 2.0 | 2.5 | 6 | 7 | 19.6 | 18 | 3/4" |
| SA16-HD | 16NSG-HD | 4000 | 16.8 | 16.8 | 2.0 | 2.4 | 8 | 10 | 19.6 | 18 | 3/4" |
| SA18 | 18NSG | 2500 | 18.8 | 18.8 | 2.0 | 2.7 | 7 | 9 | 19.6 | 20 | 3/4" |
| SA18-HD | 18NSG-HD | 5000 | 18.8 | 18.8 | 2.0 | 2.5 | 10 | 12 | 19.6 | 20 | 3/4" |
| SA22 | 22NSG | 4000 | 24.8 | 24.0 | 2.0 | 2.8 | 10 | 12 | 38.5 | 32 | 1" |
| SA22-HD | 22NSG-HD | 8000 | 24.8 | 24.0 | 2.0 | 2.7 | 13 | 16 | 38.5 | 32 | 1" |
| SA28 | 28NSG | 6000 | 30.3 | 30.0 | 2.3 | 3.3 | 12 | 15 | 45.6 | 53 | 1 1/4" |
| SA28-HD | 28NSG-HD | 12000 | 30.3 | 30.0 | 2.3 | 2.9 | 16 | 18 | 45.6 | 53 | 1 1/4" |
| SA34 | 34NSG | 10000 | 36.0 | 36.0 | 2.3 | 3.5 | 14 | 18 | 55.0 | 73 | 1 1/4" |
| SA34-HD | 34NSG-HD | 20000 | 36.0 | 36.0 | 2.3 | 3.2 | 19 | 24 | 55.0 | 73 | 1 1/4" |
| SA40 | 40NSG | 14000 | 42.0 | 42.0 | 2.3 | 3.7 | 18 | 22 | 64.0 | 94 | 1 1/4" |
| SA40-HD | 40NSG-HD | 28000 | 42.0 | 42.0 | 2.3 | 3.3 | 21 | 30 | 64.0 | 94 | 1 1/4" |
| SA44 | 44NSG | 18000 | 46.0 | 46.0 | 2.3 | 3.8 | 17 | 26 | 69.0 | 121 | 1 1/2" |
| SA44-HD | 44NDGE-HD | 36000 | 46.0 | 46.0 | 2.3 | 3.3 | 27 | 34 | 69.0 | 121 | 1 1/2" |
| SA-4870 | 4468NDGE | 30000 | 48.0 | 70.0 | 2.3 | 3.8 | 28 | 35 | 172.0 | 200 | 1 1/2" |

Please Note: The hose sizes shown in the chart are the absolute minimum you should use. If a lesser hose size is used, the system may not operate correctly and could cause problems with the air bearings. Such problems could cause damage to the air bearings for which Hovair Systems will not be responsible. Replacement charges will apply. Using a slightly higher size hose will not affect the operation of your system.

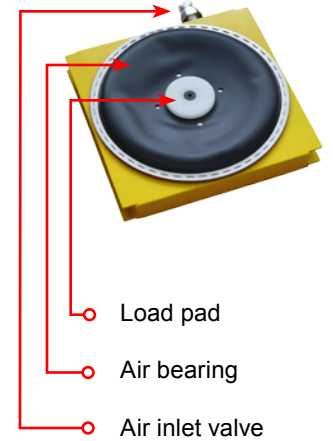


Square Aluminum Module Technical Specifications



Remote control units are optional on both SA and RS systems. They include the main control box and hand held pendant.

If remote control is not used, each module is fitted with an air flow control valve to enable smooth and friction-free movement of the load.



Pressure BAR: Standard Bearings = .90 • HD Bearings = 1.8

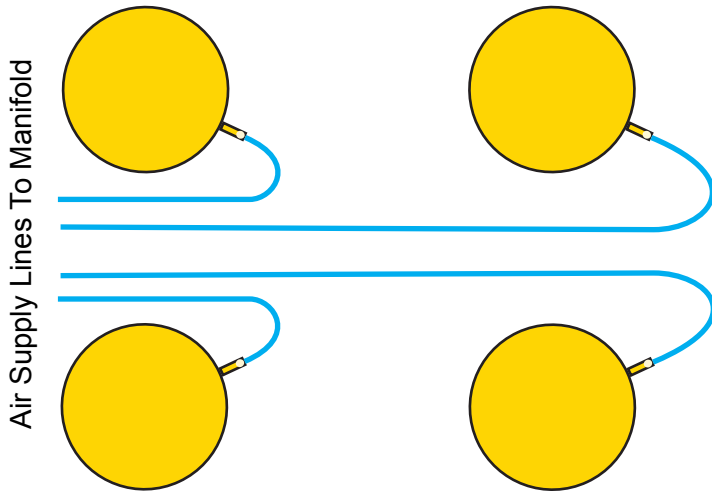
Metric Sizes

| MODULE | BEARING | CAPACITY | DIMENSIONS IN MILLIMETERS | | | | FLOW - SCFM | | LOAD PAD | WEIGHT KILOGRAMS | HOSE SIZE MM |
|---------|-----------|----------|---------------------------|--------------|-----------|----------|-------------|----------------|----------|------------------|--------------|
| | | | Model Number | Model Number | Kilograms | Width mm | Length mm | Height Air Off | | | |
| SA9 | 9NSG | 272 | 228 | 228 | 51 | 58 | 2.5 | 3 | 79 | 5 | 19 mm |
| SA12 | 12NSG | 455 | 320 | 320 | 51 | 61 | 3 | 4 | 180 | 6 | 19 mm |
| SA12-HD | 12NSG-HD | 909 | 320 | 320 | 51 | 58 | 5 | 6 | 180 | 6 | 19 mm |
| SA16 | 16NSG | 909 | 427 | 427 | 51 | 63 | 6 | 7 | 498 | 8 | 19 mm |
| SA16-HD | 16NSG-HD | 1818 | 427 | 427 | 51 | 61 | 8 | 10 | 498 | 8 | 19 mm |
| SA18 | 18NSG | 1136 | 477 | 477 | 51 | 69 | 7 | 9 | 498 | 9 | 19 mm |
| SA18-HD | 18NSG-HD | 2272 | 477 | 477 | 51 | 63 | 10 | 12 | 498 | 9 | 19 mm |
| SA22 | 22NSG | 1818 | 630 | 630 | 51 | 71 | 10 | 12 | 978 | 15 | 25 mm |
| SA22-HD | 22NSG-HD | 3636 | 630 | 630 | 51 | 69 | 13 | 16 | 978 | 15 | 25 mm |
| SA28 | 28NSG | 2727 | 762 | 762 | 58 | 84 | 12 | 15 | 1158 | 24 | 32 mm |
| SA28-HD | 28NSG-HD | 5454 | 762 | 762 | 58 | 73 | 16 | 18 | 1158 | 24 | 32 mm |
| SA34 | 34NSG | 4545 | 914 | 914 | 58 | 89 | 14 | 18 | 1397 | 33 | 32 mm |
| SA34-HD | 34NSG-HD | 9090 | 914 | 914 | 58 | 81 | 19 | 24 | 1397 | 33 | 32 mm |
| SA40 | 40NSG | 6363 | 1067 | 1067 | 58 | 94 | 18 | 22 | 1625 | 42 | 32 mm |
| SA40-HD | 40NSG-HD | 12727 | 1067 | 1067 | 58 | 84 | 21 | 30 | 1625 | 42 | 32 mm |
| SA44 | 44NSG | 8181 | 1168 | 1168 | 58 | 96 | 17 | 26 | 1752 | 55 | 38 mm |
| SA44-HD | 44NDGE-HD | 16363 | 1168 | 1168 | 58 | 84 | 27 | 34 | 1752 | 55 | 38 mm |
| SA-4870 | 4468NDGE | 13636 | 1219 | 1778 | 58 | 96 | 28 | 35 | 4369 | 90 | 38 mm |

Please Note: The hose sizes in the chart are the absolute minimum you should use. If a lesser hose size is used, the system may not operate correctly and could cause problems with the air bearings. Such problems could cause damage to the air bearings for which Hovair Systems will not be responsible. Replacement charges will apply. Using a slightly higher size hose will not affect the operation of your system.

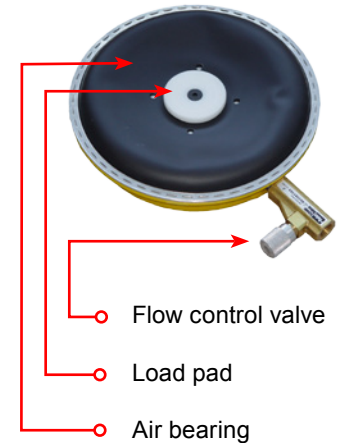


Round Steel Module Technical Specifications



Remote control units are optional on both SA and RS systems. They include the main control box and hand held pendant.

If remote control is not used, each module is fitted with an air flow control valve to enable smooth and friction-free movement of the load.



Pressure psig: Standard Bearings = 13 • HD Bearings = 26

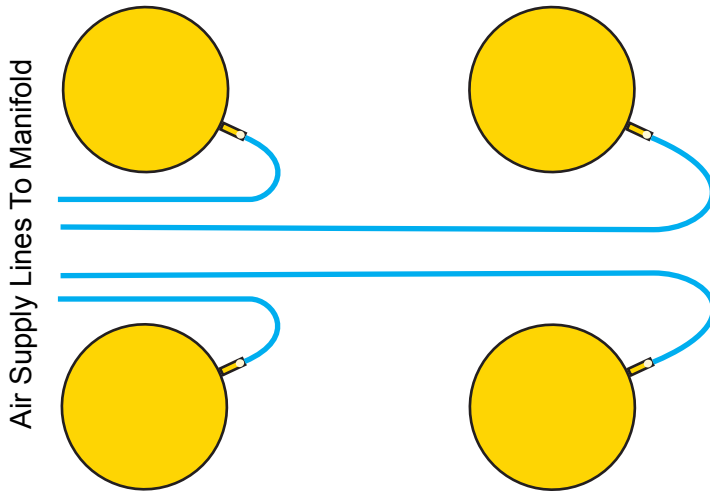
American Imperial Sizes

| MODULE | BEARING | CAPACITY | DIMENSIONS IN INCHES | | | FLOW - SCFM | | LOAD PAD | WEIGHT POUNDS | HOSE SIZE |
|-----------|-------------|----------|----------------------|--------|-------|----------------|---------------|----------|---------------|-----------|
| | | | Model Number | Pounds | Diam. | Height Air Off | Height Air On | | | |
| RS12 | 12NSG | 1000 | 12 | 2.5 | 2.9 | 3 | 4 | 7.1 | 10 | 3/4" |
| RS12-HD | 12NSG-HD | 2000 | 12 | 2.5 | 2.9 | 5 | 6 | 7.1 | 12 | 3/4" |
| RS16 | 16NSG | 2000 | 16 | 2.5 | 3.0 | 6 | 7 | 19.6 | 12 | 3/4" |
| RS16-HD | 16NSG-HD | 4000 | 16 | 2.5 | 2.9 | 8 | 10 | 19.6 | 18 | 3/4" |
| RS18 | 18NSG | 2500 | 18 | 2.5 | 3.1 | 7 | 9 | 19.6 | 18 | 3/4" |
| RS18-HD | 18NSG-HD | 5000 | 18 | 2.5 | 3.0 | 10 | 12 | 19.6 | 20 | 3/4" |
| RS22 | 22NSG | 4000 | 22 | 2.5 | 3.3 | 10 | 12 | 38.5 | 20 | 3/4" |
| RS22-HD | 22NSG-HD | 8000 | 22 | 2.5 | 3.1 | 13 | 16 | 38.5 | 32 | 1" |
| RS28 | 28NSG | 6000 | 30 | 3.1 | 4.1 | 12 | 15 | 45.6 | 32 | 1" |
| RS28-HD | 28NSG-HD | 12000 | 30 | 3.1 | 3.9 | 16 | 18 | 45.6 | 53 | 1 1/4" |
| RS34 | 34NSG | 10000 | 36 | 3.4 | 4.6 | 14 | 18 | 55.0 | 53 | 1 1/4" |
| RS34-HD | 34NSG-HD | 20000 | 36 | 3.4 | 4.0 | 19 | 24 | 55.0 | 73 | 1 1/4" |
| RS40 | 40NSG | 14000 | 42 | 3.4 | 4.8 | 18 | 22 | 64.0 | 73 | 1 1/4" |
| RS40-HD | 40NSG-HD | 28000 | 42 | 3.4 | 4.3 | 21 | 30 | 64.0 | 94 | 1 1/4" |
| RS44 | 44NSG | 18000 | 46 | 3.4 | 4.9 | 17 | 26 | 69.0 | 94 | 1 1/4" |
| RS44-HD | 44NSG-HD | 36000 | 46 | 3.4 | 4.4 | 27 | 34 | 69.0 | 121 | 1 1/2" |
| RS4870 | 4468NDGE | 30000 | 48 x 70 | 4.0 | 5.5 | 28 | 35 | 172.0 | 121 | 1 1/2" |
| RS4870-HD | 4468NDGE-HD | 60000 | 48 x 70 | 4.0 | 5.0 | 37 | 46 | 172.0 | 200 | 1 1/2" |

Please Note: The hose sizes shown in the chart are the absolute minimum you should use. If a lesser hose size is used, the system may not operate correctly and could cause problems with the air bearings. Such problems could cause damage to the air bearings for which Hovair Systems will not be responsible. Replacement charges will apply. Using a slightly higher size hose will not affect the operation of your system.

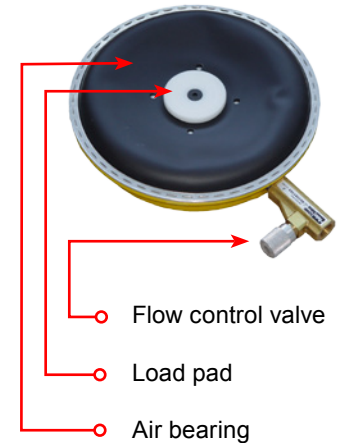


Round Steel Module Technical Specifications



Remote control units are optional on both SA and RS systems. They include the main control box and hand held pendant.

If remote control is not used, each module is fitted with an air flow control valve to enable smooth and friction-free movement of the load.



Pressure BAR: Standard Bearings = .90 • HD Bearings = 1.8

Metric Sizes

| MODULE | BEARING | WEIGHT CAPACITY | DIMENSIONS IN MILLIMETERS | | | FLOW - SCFM | | LOAD PAD | WEIGHT KILOGRAMS | HOSE SIZE MM |
|-----------|-------------|-----------------|---------------------------|-----------|----------------------|----------------|---------------|----------|------------------|--------------|
| | | | Model Number | Kilograms | Diameter Millimeters | Height Air Off | Height Air On | | | |
| RS12 | 12NSG | 455 | 305 | 64 | 73 | 3 | 4 | 180 | 11 | 19 mm |
| RS12-HD | 12NSG-HD | 909 | 305 | 64 | 73 | 5 | 6 | 180 | 11 | 19 mm |
| RS16 | 16NSG | 909 | 406 | 64 | 76 | 6 | 7 | 498 | 15 | 19 mm |
| RS16-HD | 16NSG-HD | 1818 | 406 | 64 | 76 | 8 | 10 | 498 | 15 | 19 mm |
| RS18 | 18NSG | 1136 | 457 | 64 | 79 | 7 | 9 | 498 | 18 | 19 mm |
| RS18-HD | 18NSG-HD | 2272 | 457 | 64 | 76 | 10 | 12 | 498 | 18 | 19 mm |
| RS22 | 22NSG | 1818 | 559 | 64 | 84 | 10 | 12 | 978 | 30 | 19 mm |
| RS22-HD | 22NSG-HD | 3636 | 559 | 64 | 79 | 13 | 16 | 978 | 30 | 25 mm |
| RS28 | 28NSG | 2727 | 762 | 79 | 104 | 12 | 15 | 1158 | 68 | 25 mm |
| RS28-HD | 28NSG-HD | 5454 | 762 | 79 | 99 | 16 | 18 | 1158 | 68 | 32 mm |
| RS34 | 34NSG | 4545 | 914 | 86 | 117 | 14 | 18 | 1397 | 80 | 32 mm |
| RS34-HD | 34NSG-HD | 9090 | 914 | 86 | 101 | 19 | 24 | 1397 | 80 | 32 mm |
| RS40 | 40NSG | 6363 | 1067 | 86 | 122 | 18 | 22 | 1625 | 110 | 32 mm |
| RS40-HD | 40NSG-HD | 12727 | 1067 | 86 | 109 | 21 | 30 | 1625 | 110 | 32 mm |
| RS44 | 44NSG | 8181 | 1168 | 86 | 124 | 17 | 26 | 1752 | 124 | 32 mm |
| RS44-HD | 44NSG-HD | 16363 | 1168 | 86 | 112 | 27 | 34 | 1752 | 124 | 38 mm |
| RS4870 | 4468NDGE | 13636 | 1219 x 1778 | 101 | 139 | 28 | 35 | 4368 | 363 | 38 mm |
| RS4870-HD | 4468NDGE-HD | 27272 | 1219 x 1778 | 101 | 127 | 37 | 46 | 4368 | 363 | 38 mm |

Please Note: The hose sizes shown in the chart are the absolute minimum you should use. If a lesser hose size is used, the system may not operate correctly and could cause problems with the air bearings. Such problems could cause damage to the air bearings for which Hovair Systems will not be responsible. Replacement charges will apply. Using a slightly higher size hose will not affect the operation of your system.