



Spars, Rigging, and Hardware for Sailboats

Rig-Rite, Inc.

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Sparcraft Pnevangs

Sparcraft's **Pnevang** is unique in that it utilizes 1 or more **Pneumatic Gas Shocks** as a Spring to support the Boom. Designed for a wide range of boats, **Pnevangs** attach to the mast-mounted Vang Toggle and to the Boom Vang Attachment Lug with **14mm Pins** (9/16") (included). Units feature an Aluminum Sheave at the top to double the power of any Vang Tackle.

Note that all of the Vangs listed here are available with a Black **Carbon** finish, just add **C** to the part number.

For recommendations on a new **Vang** for your boat, contact us with Boat details including current Mast and Boom Sections.

For Mast-mounted Vang Brackets, See: [Isomat Vang Brackets & Toggles](#).

For Boom-mounted Vang Attachments, See: [Isomat Boom Sections](#) or [Sparcraft Boom Sections](#).
See also, [Isomat Isovangs](#).

[Common Parts](#) for the Sparcraft Pnevang are detailed below.

For replacing **Gas Shocks**, See [Pnevang Disassembly Instructions](#).

Pnevang Size 2 – Standard: NGVP-2-1:

Pnevang Size 2 – Double: NGVP-2-2:

Size 2 Pnevangs are **1395mm Long** (4' 7"), Pin to Pin.

Maximum stroke length - 240mm (9 1/2").

Includes **14mm** attachment Pins and 70mm Aluminum Sheave.

Suitable for Mast & Boom Tabs up to **6mm** thick.

Small Tube is 40mm OD, Large Tube is 55mm OD.

Standard units provide 115Kg (250 lb.) resistance and are labeled 700002.

As used on C&C 99.

2-Cylinder units provide 230Kg (500 lb.) resistance and are labeled 700020.

Pnevang Size 3 – Standard: NGVP-3-1:

Pnevang Size 3 – Double: NGVP-3-2:

Size 3 Pnevangs are **1740mm Long** (5' 8 1/2"), Pin to Pin.

Maximum stroke length - 300mm (12").

Includes **14mm** attachment Pins and 70mm Aluminum Sheave.

Suitable for Mast & Boom Tabs up to **6mm** thick.

Small Tube is 40mm OD, Large Tube is 55mm OD.

Standard units provide 115Kg (250 lb.) resistance and are labeled 700003.

As used on Beneteau First 36.7.

2-Cylinder units provide 230Kg (500 lb.) resistance and are labeled 700030.

Pnevvang Size 4 – Standard: NGVP-4-1:

Pnevvang Size 4 – Double: NGVP-4-2:

Size 4 Pnevvangs are **2M Long** (6' 6 3/4"), Pin to Pin.

Maximum stroke length - 300mm (12").

Includes **14mm** attachment Pins and 70mm Aluminum Sheave.

Suitable for Mast & Boom Tabs up to **6mm** thick.

Small Tube is 40mm OD, Large Tube is 55mm OD.

Standard units provide 115Kg (250 lb.) resistance and are labeled 700004.

2-Cylinder units provide 230Kg (500 lb.) resistance and are labeled 700040. As used on Beneteau First 40.7, Island Packet 465, 485.



NGVP-3-2

Pnevvang Size 5 x 2M Long – Triple: NGVP-5-3:

Pnevvang Size 5 x 2M Long – Quad: NGVP-5-4:

Pnevvang Size 5 x 2M Long – Quint: NGVP-5-5:

Size 5 Pnevvangs are **2M Long** (6' 6 3/4"), Pin to Pin.

Maximum stroke length - 300mm (12").

Includes **14mm** attachment Pins and 100mm Aluminum Sheave.

Small Tube is 65mm OD, Large Tube is 80mm OD.

3-Cylinder units provide 345Kg (750 lb.) resistance and are labeled 700053.

As used on Outbound 44, 46.

4-Cylinder units provide 460Kg (1000 lb.) resistance and are labeled 700054.

5-Cylinder units provide 575Kg (1250 lb.) resistance and are labeled 700055.

Pnevvang Size 5 x 2.3M Long – Triple: NGVP-5L-3:

Pnevvang Size 5 x 2.3M Long – Quad: NGVP-5L-4:

Pnevvang Size 5 x 2.3M Long – Quint: NGVP-5L-5:

Long Size 5 Pnevvangs are **2.3M Long** (7' 6 1/2"), Pin to Pin.

Maximum stroke length - 300mm (12").

Includes **14mm** attachment Pins and 100mm Aluminum Sheave.

Small Tube is 65mm OD, Large Tube is 80mm OD.

3-Cylinder units provide 345Kg (750 lb.) resistance and are labeled 700153.

4-Cylinder units provide 460Kg (1000 lb.) resistance and are labeled 700154.

5-Cylinder units provide 575Kg (1250 lb.) resistance and are labeled 700155.
As used on Prout.

Pnevvang Parts

The Sparcraft **Pnevvang** is virtually trouble-free. But, with time and heavy usage, the Pneumatic Gas Shocks can lose their charge and must be replaced. Compare the Part Number on your unit with the Part Numbers above to determine how many shocks you will need. For replacing **Gas Shocks**, See [Pnevvang Disassembly Instructions](#).

For any Pnevvang parts not listed, please contact us with details.

Pnevvang Size 2 – Gas Shock: NGVP-GS2:

Replacement Gas Shock for Size 2 Pnevvang. Rayflex Gas Shock is 23 1/2" (595mm) long (open) between 8mm (5/16") Eye centers, and has a 240mm (9 1/2") stroke length. Maximum spring strength is 115Kg (250 lb.).

Pnevvang Size 3, 4, 5 – Gas Shock: NGVP-GS3:

Replacement Gas Shock for Size 3, 4, and 5 Pnevvangs. Rayflex Gas Shock is 27 3/8" (695mm) long (open) between 8mm (5/16") Eye centers, and has a 300mm (12") stroke length. Maximum spring strength is 115Kg (250 lb.).

Pnevvang Size 2-4 – Upper End Fitting: NGVP-3T:

Upper End Fitting for Pnevvang Sizes 2-4. Anodized Aluminum unit extends 220mm beyond the end of 40mm tube and accepts 14mm Pin, and 70mm Sheave on 10mm axle. Suitable for Mast & Boom Tabs up to **6mm** thick.



NGVP-3T

Pnevvang Size 2-4 – Attachment Pin: NGVP-3P:

SS Pnevvang Attachment Clevis Pin is **14mm** diameter with a 28mm grip length.

Pnevvang Size 1-4 – Sheave: NGVP-SM70:

Anodized Aluminum Sheave is 70mm (2 3/4") OD x 14mm (9/16") wide x 10mm (3/8") ID.



NGVP-SM70

Pneuvang Size 2-4 – Sheave Axle Pin: NGVP-3SA:

SS Sheave Axle Pin is **10mm** diameter with a 54mm grip length.

Pneuvang Size 2-4 – External Bushing: NGVP-3EB:

Replacement External Bushing for Size 2, 3, and 4 Pnevangs. Turned, Black Delrin Bushing is 66mm OD x 41mm ID x 62mm long and fastens to Outer Vang Tube with (4) 5mm FH screws.



NGVP-3EB

Pneuvang Size 2-4 – Lower End Fitting: NGVP-3B:

Lower End Fitting for Pnevung Sizes 2-4. Anodized Aluminum fitting allows for attachment of 1 or 2 Gas Shocks and a 14mm Pin. Unit extends 110mm beyond the end of 55mm tube. Suitable for Mast & Boom Tabs up to **6mm** thick.



NGVP-3B

Pneuvang Size 2-4 – Cylinder Attachment Pin: NGVP-3BP:

SS Pin is used to attach Gas Shock to Lower End Fitting. SS Pin is 8mm x 39mm long.

Pneuvang Size 2-4 – Outer Tube: NGVP-2-8L:

Replacement Outer Tube for Size 2, 3, and 4 Pnevangs. Anodized Aluminum Tube is 55mm OD x (maximum) 1470mm (4' 10") long.

Pneuvang Size 2-4 – Inner Tube: NGVP-2-7L:

Replacement Outer Tube for Size 2, 3, and 4 Pnevangs. Anodized Aluminum Tube is 40mm OD x (maximum) 1120mm (3' 8") long.

Pneuvang Size 5 – Outer Tube: NGVP-5-8L:

Replacement Outer Tube for Size 5 Pnevangs. Anodized Aluminum Tube is 80mm OD x (maximum) 1640mm (5' 4") long.

Pneuvang Size 5 – Inner Tube: NGVP-5-7L:

Replacement Inner Tube for Size 5 Pnevangs. Anodized Aluminum Tube is 63mm OD x (maximum) 1265mm (4' 2") long.

~ [Back to Isomat/ Sparcraft Solid Vangs](#) ~

~ [Back to Isomat Main Page](#) ~

~ [Back to Sparcraft Main Page](#) ~

~ [Back to Rig-Rite Home Page](#) ~