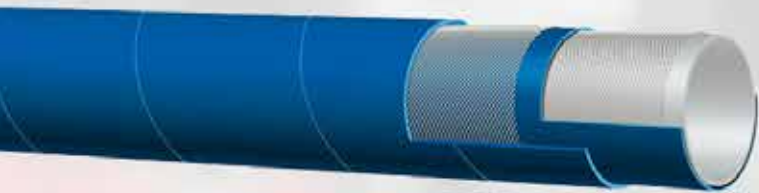


INDUSTRIAL

BOSADO





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The prices are expressed in **euros** and correspond to each unit of product. Shipping costs are not included.

Ask us if you can not find the product you are looking for. We are specialists in the manufacture of tailored parts.

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| Pág. | | | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Máx. | | Temp. (°C) |
|----------------------------------|---|--------|---------------|----------|-------------|------|------------|------|-------------|
| | | | Internal tube | Cover | mín. | máx. | bar. | psi. | mín. / máx. |
| BEBIDAS | | | | | | | | | |
| 5 |  | 402 LH | NR | NBR/PVC | 25 | 102 | 10 | 150 | -30 / +80 |
| 6 |  | 452 LH | NR | NBR/PVC | 13 | 76 | 10 | 150 | -30 / +80 |
| RECOGIDA DE LECHE | | | | | | | | | |
| 7 |  | 412 LE | NR | NR/EPDM | 25 | 102 | 10 | 150 | -40 / +80 |
| 8 |  | 902 LE | EPDM | EPDM | 51 | 90 | 10 | 150 | -40 / +180 |
| ALIMENTOS CONTIENEN GRASA | | | | | | | | | |
| 9 |  | 405 LE | NBR | NBR/PVC | 19 | 102 | 10 | 150 | -30 / +80 |
| 10 |  | 417 LE | NBR | NBR/PVC | 38 | 76 | 16 | 240 | -30 / +80 |
| 11 |  | 405 LH | NBR | NBR/PVC | 38 | 76 | 10 | 150 | -30 / +100 |
| ALIMENTACIÓN SÓLIDA | | | | | | | | | |
| 12 |  | 760 LA | NR | SBR/NR | 75 | 110 | 5 | 75 | -30 / +80 |
| 12 |  | 720 LA | NR | SBR/NR | 76 | 102 | 10 | 150 | -30 / +80 |
| LIMPIEZA | | | | | | | | | |
| 13 |  | 350 LE | EPDM | EPDM | 13 | 51 | 6 | 90 | -40 / +165 |

BEBIDAS

Ref: **402 LH**



Aplicación: Bebidas.

Norma: 2004/1935 EC. 2006/2023 EC. IANESCO. FDA arrêté du 09/11/94 D.

Uso: Aspiración e impulsión de líquido alimentario y bebidas alcohólicas. Probada a Máx. 50%. Construcción especial para máxima flexibilidad. Esterilizada a 110 °C de vapor durante 10 minutos o con 5% sosa.

Tubo: NR blanco.

Cubierta: NBR/ PVC rojo – resistente a la abrasión y al ozono.

Refuerzo: Cordones textiles de gran tenacidad con espiral de acero incorporada.

Factor de seguridad: 3:1

Temperatura: -30 °C / +80 °C (-22 °F / +176 °F).

Application: Liquid food.

Norm: 2004/1935 EC. 2006/2023 EC. IANESCO. FDA arrêté du 09/11/94 D.

Use: Liquid food and alcoholic beverages suction and delivery - max 50%. Special construction for maximum flexibility. Sterilize with 110 °C (230 °F) steam for 10 minutes or with 5% soda solution.

Tube: White NR.

Cover: Red NBR/PVC - abrasion and ozone resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: 3:1

Temperature: -30 °C / +80 °C (-22 °F / +176 °F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 402LH025037 | 25 | 1 | 37 | 10 | 150 | 75 | 0,910 | |
| 402LH038050 | 38 | 1 1/2 | 50 | 10 | 150 | 114 | 1,260 | |
| 402LH051063 | 51 | 2 | 63 | 10 | 150 | 153 | 1,620 | |
| 402LH076088 | 76 | 3 | 88 | 10 | 150 | 228 | 2,550 | |
| 402LH102116 | 102 | 4 | 116 | 10 | 150 | 306 | 3,540 | |

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RECOGIDA DE LECHE

Ref: **412 LE**



Aplicación: Recogida de leche.

Norma: 2004/1935 EC. 2006/2023 EC. IANESCO.
FDA arrêté du 09/11/94 D.

Uso: Aspiración e impulsión de líquido alimentario.
Construcción especial para máxima flexibilidad en aplicaciones de cisternas de leche. Esterilizar con 110 °C de vapor durante 10 minutos o con 5% de sosa.

Tubo: NR blanco.

Cubierta: NR/EPDM azul – Resistente a la abrasión y al ozono.

Refuerzo: Cordones textiles de gran tenacidad con espiral de acero incorporada.

Factor de seguridad: 3:1

Temperatura: -40 °C / +80 °C (-40 °F / +176 °F).

Application: Milk collection / tanker.

Norm: 2004/1935 EC. 2006/2023 EC. IANESCO.
FDA arrêté du 09/11/94 D.

Use: Liquid food suction and delivery.
Special construction for maximum flexibility in milk tanker applications. Sterilize with 110 °C (230 °F) steam for 10 minutes or with 5% soda solution

Tube: White NR.

Cover: Blue NR/EPDM - abrasion and ozone resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: 3:1

Temperature: -40 °C / +80 °C (-40 °F / +176 °F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 412LE025035 | 25 | 1 | 35 | 10 | 150 | 50 | 0,730 | |
| 412LE032042 | 32 | 1 1/4 | 42 | 10 | 150 | 64 | 0,900 | |
| 412LE038048 | 38 | 1 1/2 | 48 | 10 | 150 | 76 | 1,040 | |
| 412LE040050 | 40 | 1 9/16 | 50 | 10 | 150 | 80 | 1,090 | |
| 412LE042052 | 42 | 1 5/8 | 52 | 10 | 150 | 84 | 1,130 | |
| 412LE051061 | 51 | 2 | 61 | 10 | 150 | 102 | 1,420 | |
| 412LE063075 | 63 | 2 1/2 | 75 | 10 | 150 | 126 | 2,010 | |
| 412LE076088 | 76 | 3 | 88 | 10 | 150 | 228 | 2,590 | |
| 412LE102116 | 102 | 4 | 116 | 10 | 150 | 306 | 3,850 | |

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ALIMENTOS QUE CONTIENEN GRASAS



Ref: **405 LE**

Aplicación: Alimentos que contienen grasa.

Norma: 2004/1935 EC. 2006/2023 EC.
FDA D.M. 21/03/73

Uso: Aspiración e impulsión de líquido, alimentos grasos y bebidas alcohólicas. Probada a Máx. 75%. Esterilizada a 130 °C de vapor durante 30 minutos o con 5% de sosa.

Tubo: NBR blanco.

Cubierta: NBR/PVC azul – resistente a la abrasión y al ozono.

Refuerzo: Cordones textiles de gran tenacidad con espiral de acero incorporada.

Factor de seguridad: 3:1

Temperatura: -30 °C / +100 °C (-22 °F / +176 °F).

Application: Fat food.

Norm: 2004/1935 EC. 2006/2023 EC.
FDA D.M. 21/03/73

Use: Liquid and fat food-alcoholic beverages suction and delivery - max 75%. Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.

Tube: White NBR.

Cover: Blue NBR/PVC - abrasion, ozone and oil resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: 3:1

Temperature: -30 °C / +100 °C (-22 °F / +176 °F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 405LE019031 | 19 | 3/4 | 31 | 10 | 150 | 57 | 0,730 | |
| 405LE025037 | 25 | 1 | 37 | 10 | 150 | 75 | 0,910 | |
| 405LE032044 | 32 | 1 1/4 | 44 | 10 | 150 | 96 | 1,080 | |
| 405LE038050 | 38 | 1 1/2 | 50 | 10 | 150 | 114 | 1,260 | |
| 405LE051063 | 51 | 2 | 63 | 10 | 150 | 153 | 1,630 | |
| 405LE063075 | 63 | 2 1/2 | 75 | 10 | 150 | 189 | 2,140 | |
| 405LE076088 | 76 | 3 | 88 | 10 | 150 | 228 | 2,570 | |
| 405LE102116 | 102 | 4 | 116 | 10 | 150 | 306 | 3,560 | |

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ALIMENTOS QUE CONTIENEN GRASAS



Ref: **405 LH**

Aplicación: Alimentos que contienen grasa.

Norma: 2004/1935 EC. 2006/2023 EC.
FDA D.M. 21/03/73.

Uso: Aspiración e impulsión de líquido, alimentos grasos y bebidas alcohólicas. Probada a Máx. 75%. Esterilizada a 130 °C de vapor durante 30 minutos o con 5% de sosa.

Tubo: NBR blanco.

Cubierta: NBR/PVC rojo – resist. a la abrasión y al ozono.

Refuerzo: Cordones textiles de gran tenacidad con espiral de acero incorporada.

Factor de seguridad: 3:1

Temperatura: -30 °C / +100 °C (-22 °F / +212 °F).

Aplication: Fat food.

Norm: 2004/1935 EC. 2006/2023 EC.
FDA D.M. 21/03/73.

Use: Liquid and fat food-alcoholic beverages suction and delivery - max 75%. Sterilize with 130 °C (266 °F) steam for 30 minutes or with 5% soda solution.

Tube: White NBR.

Cover: Red NBR/PVC - abrasion, ozone and oil resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: 3:1

Temperature: -30 °C / +100 °C (-22 °F / +212 °F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 405LH038050 | 38 | 1 1/2 | 50 | 10 | 150 | 114 | 1,280 | |
| 405LH051063 | 51 | 2 | 63 | 10 | 150 | 153 | 1,650 | |
| 405LH063075 | 63 | 2 1/2 | 75 | 10 | 150 | 189 | 2,160 | |
| 405LH076088 | 76 | 3 | 88 | 10 | 150 | 228 | 2,590 | |

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ALIMENTACIÓN SÓLIDA

Ref: 760 LA

Aplicación: Alimentación sólida.**Norma:** FDA.**Uso:** Transporte de alimentos sólidos. Indicada en particular para el transporte de granos, piensos y gránulos de plástico.**Tubo:** NR, blanco resistente a la abrasión.**Cubierta:** SBR/NR negro conductivo - resistente a la abrasión y al ozono.**Refuerzo:** Cordones de acero de gran tenacidad- alambre antiestático.**Factor de seguridad:** 3:1**Temperatura:** -30 °C +80 °C (-22 °F +176 °F).**Aplication:** Bulk food.**Norm:** FDA.**Use:** Bulk food and material delivery. Specially designed for grain, flour and plastic pellets transfer.**Tube:** White NR - abrasion resistant.**Cover:** Black conductive SBR/NR - abrasion and ozone resistant.**Reinforcement:** High tensile textile cords - antistatic wire.**Safety factor:** 3:1**Temperature:** -30 °C +80 °C (-22 °F +176 °F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 760LA075093 | 75 | 3 | 93 | 5 | 75 | - | 2,370 | |
| 760LA090102 | 90 | 3 1/2 | 102 | 5 | 75 | - | 2,120 | |
| 760LA100120 | 100 | 4 | 120 | 5 | 75 | - | 3,550 | |
| 760LA102120 | 102 | 4 | 120 | 5 | 75 | - | 3,170 | |
| 760LA110122 | 110 | 4 5/16 | 122 | 5 | 75 | - | 2,540 | |

ALIMENTACIÓN SÓLIDA

Ref: 720 LA

Aplicación: Alimentación sólida.**Norma:** FDA.**Uso:** Impulsión y descarga de alimentos sólidos. Indicada en particular para el transporte de granos, piensos y gránulos de plástico.**Tubo:** NR blanco. Resistente a la abrasión.**Cubierta:** SBR/NR negro conductivo - resistente a la abrasión y al ozono.**Refuerzo:** Cordones de textiles de gran tenacidad con espirales de acero incorporadas. Alambre antiestático.**Factor de seguridad:** 3:1**Temperatura:** -30 °C / +80 °C (-22 °F / +176 °F).**Aplication:** Bulk food.**Norm:** FDA.**Use:** Bulk food and material suction and delivery. Specially designed for grain, flour and plastic pellets transfer.**Tube:** White NR - abrasion resistant.**Cover:** Black conductive SBR/NR - abrasion and ozone resistant.**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire.**Safety factor:** 3:1**Temperature:** -30 °C / +80 °C (-22 °F / +176 °F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 720LA076092 | 76 | 3 | 92 | 10 | 150 | 228 | 2,680 | |
| 720LA090106 | 90 | 3 1/2 | 106 | 10 | 150 | 270 | 3,330 | |
| 720LA102118 | 102 | 4 | 118 | 10 | 150 | 306 | 3,700 | |

LIMPIEZA

Ref: **350 LE**



Aplicación: Limpieza.

Norma: FDA - arrêté du 09/11/94 D.
2004/1935 EC. 2006/2023 EC. IANESCO

Uso: Impulsión de líquidos alimenticios, vapor saturado y agua caliente para aplicaciones industriales en general. Especialmente diseñada para lavado en industrias alimenticias y lacteas.

Tubo: EPDM blanco alimentario.

Cubierta: EPDM azul - resistente al calor, abrasión y ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: Agua 4:1 - Vapor 10:1

Temperatura: Agua -40 °C / + 120 °C. (-40 °F / +248 °F)
Vapor +165 °C.

Aplication: Cleaning.

Norm: FDA - arrêté du 09/11/94 D.
2004/1935 EC. 2006/2023 EC. IANESCO

Use: Saturated steam and hot water delivery in general industrial applications. Specially designed for wash down use in the food and dairy industry.

Tube: White food grade EPDM.

Cover: Blue EPDM - heat, abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: Water 4:1 - Steam 10:1

Temperature: Water -40 °C / +120 °C (-40 °F / +248 °F).
Steam +165 °C (+330 °F)

| Referencia Reference | Diámetro Diameter | | | Pre. de trabajo(vapor) Working pressure(steam) | | Pre. de trabajo(agua) Working pressur(water) | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|---------------------|----------|---|-----|---|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/ inch) | ext (mm) | bar | psi | bar | psi | mm | kg/m | € |
| 350LE013023 | 13 | 1/2 | 23 | 6 | 90 | 15 | 225 | - | 0,360 | |
| 350LE016026 | 16 | 5/8 | 26 | 6 | 90 | 15 | 225 | - | 0,420 | |
| 350LE019031 | 19 | 3/4 | 31 | 6 | 90 | 15 | 225 | - | 0,590 | |
| 350LE025037 | 25 | 1 | 37 | 6 | 90 | 15 | 225 | - | 0,740 | |
| 350LE032046 | 32 | 1 1/4 | 46 | 6 | 90 | 15 | 225 | - | 0,930 | |
| 350LE038052 | 38 | 1 1/2 | 52 | 6 | 90 | 15 | 225 | - | 1,090 | |
| 350LE051067 | 51 | 2 | 67 | 6 | 90 | 15 | 225 | - | 1,660 | |

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| Pág. | | | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Máx. | | Temp. (°C) |
|-----------------------------|---|--------|---------------|----------|-------------|------|------------|------|-------------|
| | | | Internal tube | Cover | mín. | máx. | bar. | psi. | mín. / máx. |
| IMPULSIÓN DE MORTERO | | | | | | | | | |
| 15 |  | 760 AA | NR | SBR/NR | 90 | 127 | 5 | 75 | -30 / +80 |
| 16 |  | 720 AA | NR | SBR/NR | 51 | 203 | 10 | 150 | -30 / +80 |
| BOMBAS DE HORMIGÓN | | | | | | | | | |
| 17 |  | 740 AA | NR | SBR/NR | 51 | 152 | 85 | 1275 | -30 / +80 |
| 18 |  | 741 AA | NR | SBR/NR | 51 | 127 | 100 | 1500 | -30 / +80 |
| 19 |  | 752 AA | NR | SBR/NR | 60 | 102 | 10 | 150 | -30 / +80 |
| 19 |  | 757 AA | NR | SBR/NR | 25 | 51 | 40 | 600 | -30 / +80 |
| CHORREO DE ARENA | | | | | | | | | |
| 20 |  | 753 AA | NR | SBR/NR | 13 | 51 | 12 | 180 | -40 / +80 |

IMPULSIÓN DE MORTERO

Ref: **720 AA****Aplicación:** Vibradores de hormigón.**Uso:** Aspiración e impulsión de materiales abrasivos. Indicada en particular para el transporte de cemento seco, granos y piensos.**Tubo:** NR negro conductivo. Resistente a la abrasión.**Cubierta:** SBR/NR negro conductivo - resistente a la abrasión y al ozono**Refuerzo:** Cordones de textiles de gran tenacidad con espirales de acero incorporadas.**Factor de seguridad:** 3:1**Temperatura:** -30 °C / +80 °C**Application:** Bulk material S&D 10 bar (150 psi)**Use:** Bulk material suction and delivery in heavy duty applications. Specially designed for dry cement, grain and animal feed transfer.**Tube:** Black conductive NR - abrasion resistant.**Cover:** Black conductive SBR/NR - abrasion and ozone resistant.**Reinforcement:** High tensile textile cords with embedded steel helix wire.**Safety factor:** 3:1**Temperature:** -30 °C / +80 °C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 720AA051065 | 51 | 2 | 65 | 10 | 150 | 153 | 1,430 | |
| 720AA063077 | 63 | 2 1/2 | 77 | 10 | 150 | 189 | 1,900 | |
| 720AA076090 | 76 | 3 | 90 | 10 | 150 | 228 | 2,280 | |
| 720AA102116 | 102 | 4 | 116 | 10 | 150 | 306 | 3,190 | |
| 720AA127143 | 127 | 5 | 143 | 5 | 75 | 508 | 4,750 | |
| 720AA152168 | 152 | 6 | 168 | 5 | 75 | 608 | 5,960 | |
| 720AA203221 | 203 | 8 | 221 | 5 | 75 | 812 | 8,990 | |
| 720AA076092 | 76 | 3 | 92 | 10 | 150 | 228 | 2,600 | |
| 720AA090106 | 90 | 3 1/2 | 106 | 10 | 150 | 270 | 3,230 | |
| 720AA102118 | 102 | 4 | 118 | 10 | 150 | 306 | 3,600 | |
| 720AA127145 | 127 | 5 | 145 | 5 | 75 | 508 | 5,270 | |

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BOMBAS DE HORMIGÓN



Ref: **BETÓN - 740AA**

Aplicación: Bombas de hormigón.

Uso: Bombeo de hormigón a alta presión.

Tubo: NR negro conductivo - resistente a la abrasión.

Cubierta: SBR/NR negro conductivo - resistente a la abrasión y al ozono.

Refuerzo: Cordones de acero de gran tenacidad

Factor de seguridad: 2:1

Temperatura: -30 °C / +80 °C

Application: Concrete pumping 85 bar (1275 psi).

Use: High pressure concrete pumping.

Tube: Black conductive NR - abrasion resistant.

Cover: Black conductive SBR/NR - abrasion and ozone resistant.

Reinforcement: High tensile steel cords.

Safety factor: 2:1

Temperature: -30 °C / +80 °C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 740AA051069 | 51 | 2 | 69 | 85 | 1275 | 255 | 2,100 | |
| 740AA063085 | 63 | 2 1/2 | 85 | 85 | 1275 | 265 | 3,300 | |
| 740AA076100 | 76 | 3 | 100 | 85 | 1275 | 380 | 4,490 | |
| 740AA090116 | 90 | 3 1/2 | 116 | 85 | 1275 | 450 | 5,430 | |
| 740AA102126 | 102 | 4 | 126 | 85 | 1275 | 510 | 6,520 | |
| 740AA102128 | 102 | 4 | 128 | 85 | 1275 | 510 | 7,020 | |
| 740AA127153 | 127 | 5 | 153 | 85 | 1275 | 635 | 10,140 | |
| 740AA127155 | 127 | 5 | 155 | 85 | 1275 | 635 | 10,340 | |
| 740AA152184 | 152 | 6 | 184 | 85 | 1275 | 760 | 13,780 | |

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BOMBAS DE HORMIGÓN

Ref: **752 AA**

Aplicación: Bombas de hormigón.

Uso: Bombeo de yeso y hormigón. Adecuada también para equipos de chorreado de arena en aplicaciones severas.

Tubo: NR negro conductivo. Resistente a la abrasión.

Cubierta: SBR/NR conductivo. Resistente a la abrasión y ozono. Microperforada.

Refuerzo: Cordones de textiles de gran tenacidad.

Factor de seguridad: 3:1

Temperatura: -30 °C / +80 °C



Application: Plaster 10 bar (150 psi).

Use: Plaster and sand/cement mix pumping. Also suitable for heavy duty sandblast.

Tube: Black conductive NR - abrasion resistant.

Cover: Black conductive SBR/NR - abrasion and ozone resistant - pin pricked.

Reinforcement: High tensile textile cords.

Safety factor: 3:1

Temperature: -30 °C +80 °C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 752AA060080 | 60 | 2 3/8 | 80 | 10 | 150 | - | 2,310 | |
| 752AA065085 | 65 | 2 9/16 | 85 | 10 | 150 | - | 2,520 | |
| 752AA090113 | 90 | 3 1/2 | 113 | 10 | 150 | - | 4,110 | |
| 752AA102127 | 102 | 4 | 127 | 10 | 150 | - | 4,680 | |

BOMBAS DE HORMIGÓN

Ref: **757 AA**

Aplicación: Chorreado de abrasivos.

Uso: Bombeo de yeso.

Tubo: NR negro conductivo - resistente a la abrasión.

Cubierta: SBR/NR negro conductivo - resistente a la abrasión y al ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: 2,5:1

Temperatura: -30 °C / +80 °C



Application: Plaster 40 bar (600 psi).

Use: Plaster pumping.

Tube: Black conductive NR - abrasion resistant.

Cover: Black conductive SBR/NR - abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: 2,5:1

Temperature: -30 °C / +80 °C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 757AA025038 | 25 | 1 | 38 | 40 | 600 | - | 0,700 | |
| 757AA032046 | 32 | 1 1/4 | 46 | 40 | 600 | - | 0,870 | |
| 757AA035049 | 35 | 1 3/8 | 49 | 40 | 600 | - | 0,960 | |
| 757AA038054 | 38 | 1 1/2 | 54 | 40 | 600 | - | 1,190 | |
| 757AA051067 | 51 | 2 | 67 | 40 | 600 | - | 1,600 | |

CHORREO DE ARENA



Ref: **753 AA**

Aplicación: Chorreo de arena 12 bar (180 psi)..
Uso: Equipos de chorreo de arena. Diseñada para una larga durabilidad en aplicaciones severas.
Tubo: NR negro conductivo de alta gama. Resistente a la abrasión 50 mm³ (ISO 4649/A).
Cubierta: SBR/NR conductivo. Resistente a la abrasión y ozono. Microperforada.
Refuerzo: Cordones de textiles de gran tenacidad.
Factor de seguridad: 3:1
Temperatura: -40 °C / +80 °C

Application: Sandblast 12 bar (180 psi).
Use: Abrasive material blasting. Designed for long service life in heavy duty applications.
Tube: Premium black conductive NR - abrasion resistance 50 mm³ (ISO 4649/A).
Cover: Black SBR/NR - abrasion and ozone resistant - pin pricked.
Reinforcement: High tensile textile cords.
Safety factor: 3:1
Temperature: -40 °C / +80 °C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 753AA013027 | 13 | 1/2 | 27 | 12 | 180 | - | 0,540 | |
| 753AA019033 | 19 | 3/4 | 33 | 12 | 180 | - | 0,700 | |
| 753AA019040 | 19 | 3/4 | 40 | 12 | 180 | - | 1,150 | |
| 753AA025039 | 25 | 1 | 39 | 12 | 180 | - | 0,860 | |
| 753AA025048 | 25 | 1 | 48 | 12 | 180 | - | 1,520 | |
| 753AA032048 | 32 | 1 1/4 | 48 | 12 | 180 | - | 1,220 | |
| 753AA032055 | 32 | 1 1/4 | 55 | 12 | 180 | - | 1,810 | |
| 753AA038055 | 38 | 1 1/2 | 55 | 12 | 180 | - | 1,630 | |
| 753AA038060 | 38 | 1 1/2 | 60 | 12 | 180 | - | 2,050 | |
| 753AA051071 | 51 | 2 | 71 | 12 | 180 | - | 2,380 | |
| 753AA051073 | 51 | 2 | 73 | 12 | 180 | - | 2,640 | |
| 753AA051076 | 51 | 2 | 76 | 12 | 180 | - | 2,910 | |

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| Pág. | | | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Máx. | | Temp. (°C) |
|--|---|--------|---------------|---------------|-------------|------|------------|------|-------------|
| | | | Internal tube | Cover | mín. | máx. | bar. | psi. | mín. / máx. |
| CAMIONES CISTERNA | | | | | | | | | |
| 22 |  | 604 AA | NBR | CR | 19 | 102 | 21 | 300 | -40 / +100 |
| 23 |  | 655 AA | NBR | CR | 19 | 152 | 16 | 240 | -30 / +70 |
| 24 |  | 659 AA | NBR | CR | 19 | 51 | 25 | 375 | -30 / +70 |
| 25 |  | 605 AA | NBR | CR | 19 | 203 | 10 | 150 | -30 / +80 |
| 26 |  | 619 AA | NBR | CR | 19 | 102 | 16 | 240 | -30 / +70 |
| CARBURANTE DE AVIACIÓN | | | | | | | | | |
| 27 |  | 656 AA | NBR | CR | 25 | 100 | 20 | 300 | -30 / +65 |
| 28 |  | 611 AA | NBR | CR | 25 | 75 | 20 | 300 | -30 / +65 |
| IMPULSIÓN HIDROCARBUROS Y ACEITES | | | | | | | | | |
| 29 |  | 650 AA | NBR | CR | 19 | 102 | 10 | 150 | -30 / +80 |
| 30 |  | 411000 | ACERO GALVA. | POLIPROPILENO | 50 | 100 | 10 | 150 | -30 / +100 |
| POLIVALENTE | | | | | | | | | |
| 31 |  | 680 AA | ELASTÓMERO | ELASTÓMERO | 6 | 25 | 10 | 150 | -10 / +60 |
| 32 |  | 671 AA | NBR | GOMA | 5 | 25 | 16 | 240 | -25 / +80 |
| BRAZOS DE CARGA DE CARBUR. | | | | | | | | | |
| 33 |  | 60G AA | NBR | CR | 100 | 300 | 15 | 225 | -20 / +82 |
| 34 |  | 64D AA | NBR | CR | 100 | 300 | 15 | 225 | -20 / +82 |

CAMIONES CISTERNAS

Ref: **655 AA**



Aplicación: Manguera para descarga de combustible y aceite 16 bar (240 psi).

Norma: Excede EN 1761 TRbF 131/2.

Uso: Impulsión de hidrocarburos y aceites. Diseñada para una larga durabilidad en aplicaciones severas.

Tubo: NBR negro conductivo.

Cubierta: CR negro conductivo – resistente a la abrasión, ozono e hidrocarburos.

Refuerzo: Cordones de textiles de gran tenacidad.

Factor de seguridad: 3:1

Temperatura: -30 °C / +70 °C

Application: Fuel-oil delivery 16 bar (240 psi).

Norm: Exceeds EN 1761 TRbF 131/2.

Use: Fuel and oil delivery. Designed for long service life in heavy duty applications.

Tube: Black conductive NBR.

Cover: Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.

Reinforcement: High tensile textile cords.

Safety factor: 3:1

Temperature: -30 °C / +70 °C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 655AA019031 | 19 | 3/4 | 31 | 16 | 240 | 125 | 0,560 | |
| 655AA025037 | 25 | 1 | 37 | 16 | 240 | 150 | 0,690 | |
| 655AA032044 | 32 | 1 1/4 | 44 | 16 | 240 | 175 | 0,870 | |
| 655AA038051 | 38 | 1 1/2 | 51 | 16 | 240 | 225 | 1,020 | |
| 655AA051067 | 51 | 2 | 67 | 16 | 240 | 275 | 1,550 | |
| 655AA063079 | 63 | 2 1/2 | 79 | 16 | 240 | 300 | 1,880 | |
| 655AA076092 | 76 | 3 | 92 | 16 | 240 | 350 | 2,310 | |
| 655AA102118 | 102 | 4 | 118 | 16 | 240 | 450 | 3,410 | |
| 655AA152170 | 152 | 6 | 170 | 16 | 240 | 750 | 5,140 | |

Notas:

CAMIONES CISTERNAS

Ref: **605 AA**

Aplicación: Impulsión y aspiración de hidrocarburos y aceites.

Norma: Excede SAE 100R4. SAE J2006/R2 - ISO 13363/2/A+B.

Uso: Impulsión y descarga de combustibles y aceites. Especialmente diseñada para tanques y aplicaciones industriales en general. También adecuada para bombas de achique y aspiración en la marina.

Tubo: NBR negro conductor

Cubierta: CR negro conductor – resistente a la abrasión, ozono e hidrocarburos.

Refuerzo: Cordones de textiles de gran tenacidad con espirales de acero incorporadas.

Factor de seguridad: ≤ 127 mm 3:1 ≥ 133 mm 2,5:1

Temperatura: -30°C / +80°C



Application: Fuel-oil S&D 10 bar.

Norm: Exceed SAE 100R4. SAE J2006/R2 - ISO 13363/2/A+B.

Use: Fuel and oil suction and delivery. Specially designed for tank truck and general industrial applications. Also suitable for marine wet exhaust and bilge pump connection.

Tube: Black conductive NBR.

Cover: Black CR - abrasion, ozone and hydrocarbon resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: ≤ 127 mm 3:1 ≥ 133 mm 2,5:1

Temperature: -30°C / +80°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|------------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg./inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 605AA019029 | 19 | 3/4 | 29 | 10 | 150 | 76 | 0,590 | |
| 605AA025035 | 25 | 1 | 35 | 10 | 150 | 100 | 0,740 | |
| 605AA030040 | 30 | 1 3/16 | 40 | 10 | 150 | 120 | 0,840 | |
| 605AA032042 | 32 | 1 1/4 | 42 | 10 | 150 | 128 | 0,880 | |
| 605AA035045 | 35 | 1 3/8 | 45 | 10 | 150 | 140 | 0,960 | |
| 605AA038048 | 38 | 1 1/2 | 48 | 10 | 150 | 152 | 1,020 | |
| 605AA040050 | 40 | 1 9/16 | 50 | 10 | 150 | 160 | 1,070 | |
| 605AA042052 | 42 | 1 5/8 | 52 | 10 | 150 | 168 | 1,120 | |
| 605AA045055 | 45 | 1 3/4 | 55 | 10 | 150 | 180 | 1,190 | |
| 605AA048058 | 48 | 1 7/8 | 58 | 10 | 150 | 192 | 1,260 | |
| 605AA051061 | 51 | 2 | 61 | 10 | 150 | 204 | 1,320 | |
| 605AA057067 | 57 | 2 1/4 | 67 | 10 | 150 | 228 | 1,480 | |
| 605AA060072 | 60 | 2 3/8 | 72 | 10 | 150 | 240 | 1,980 | |
| 605AA063075 | 63 | 2 1/2 | 75 | 10 | 150 | 252 | 2,060 | |
| 605AA070082 | 70 | 2 3/4 | 82 | 10 | 150 | 280 | 2,300 | |
| 605AA076088 | 76 | 3 | 88 | 10 | 150 | 304 | 2,470 | |
| 605AA080094 | 80 | 3 1/8 | 94 | 10 | 150 | 320 | 2,650 | |
| 605AA090104 | 90 | 3 1/2 | 104 | 10 | 150 | 360 | 3,090 | |
| 605AA102116 | 102 | 4 | 116 | 10 | 150 | 408 | 3,440 | |
| 605AA110124 | 110 | 4 5/16 | 124 | 10 | 150 | 440 | 4,150 | |
| 605AA115129 | 115 | 4 1/2 | 129 | 10 | 150 | 460 | 4,320 | |
| 605AA120138 | 120 | 4 3/4 | 138 | 10 | 150 | 480 | 5,530 | |
| 605AA127145 | 127 | 5 | 145 | 10 | 150 | 508 | 5,810 | |
| 605AA133151 | 133 | 5 1/4 | 151 | 10 | 150 | 532 | 6,050 | |
| 605AA152170 | 152 | 6 | 170 | 10 | 150 | 608 | 7,230 | |
| 605AA203225 | 203 | 8 | 225 | 10 | 150 | 812 | 11,470 | |



CAMIONES CISTERNAS

Ref: 619 AA

Aplicación: Impulsión y descarga de combustibles y aceites.

Norma: EN 2115 Excede EN 1761 TRbF 131/2.

Uso: Impulsión y descarga de combustibles y aceites. Diseñada para una larga vida útil en aplicaciones de trabajos pesados.

Tubo: NBR negro conductivo.

Cubierta: CR negro - resistente a la abrasión, ozono, hidrocarburos y fuego.

Refuerzo: Cordones de textiles de gran tenacidad con espirales de acero incorporadas. Alambre antiestático.

Factor de seguridad: 4:1

Temperatura: -30°C / +70°C



Aplication: Fuel-oil S&D 16 bar.

Norm: EN 2115 Exceeds EN 1761 TRbF 131/2.

Use: Fuel and oil suction and delivery. Designed for long service life in heavy duty applications.

Tube: Black conductive NBR.

Cover: Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire - antistatic wire.

Safety factor: 4:1

Temperature: -30°C / +70°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 619AA019031 | 19 | 3/4 | 31 | 16 | 240 | 95 | 0,690 | |
| 619AA025037 | 25 | 1 | 37 | 16 | 240 | 150 | 0,850 | |
| 619AA032044 | 32 | 1 1/4 | 44 | 16 | 240 | 175 | 1,030 | |
| 619AA038051 | 38 | 1 1/2 | 51 | 16 | 240 | 225 | 1,180 | |
| 619AA051067 | 51 | 2 | 67 | 16 | 240 | 275 | 2,010 | |
| 619AA063079 | 63 | 2 1/2 | 79 | 16 | 240 | 300 | 2,590 | |
| 619AA076092 | 76 | 3 | 92 | 16 | 240 | 350 | 2,820 | |
| 619AA102118 | 102 | 4 | 118 | 16 | 240 | 450 | 3,820 | |

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CARBURANTE DE AVIACIÓN

Ref: 611 AA

**Aplicación:** Manguera para carburante de aviación.**Application:** Aircraft ground fuelling-defuelling 20 bar.**Norma:** EN ISO 1825/F.**Norm:** EN ISO 1825/F.**Uso:** Abastecimiento y descarga de combustible en tierra de aeronaves.**Use:** Aircraft ground fuelling and defuelling.**Tubo:** NBR negro.**Tube:** Black NBR.**Cubierta:** CR negro conductor – resistente a la abrasión, ozono e hidrocarburos.**Cover:** Black conductive CR - abrasion, ozone and hydrocarbon resistant.**Refuerzo:** Cordones textiles de gran tenacidad con malla de nylon incorporada.**Reinforcement:** High tensile textile cords with embedded nylon helix.**Factor de seguridad:** 4 : 1**Safety factor:** 4 : 1**Temperatura:** -30°C / +65°C**Temperature:** -30°C / +65°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 611AA025041 | 25 | 1 | 41 | 20 | 300 | 150 | 0,850 | |
| 611AA032048 | 32 | 1 1/4 | 48 | 20 | 300 | 190 | 1,060 | |
| 611AA038054 | 38 | 1 1/2 | 54 | 20 | 300 | 225 | 1,230 | |
| 611AA050067 | 50 | 2 | 67 | 20 | 300 | 275 | 1,860 | |
| 611AA063081 | 63 | 2 1/2 | 81 | 20 | 300 | 300 | 2,390 | |
| 611AA075093 | 75 | 3 | 93 | 20 | 300 | 300 | 2,850 | |

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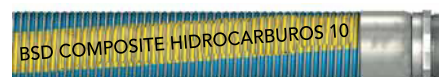
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IMPULSIÓN DE HIDROCARB. Y ACEITES



Ref: **411000**

Aplicación: Impulsión y/o aspiración de hidrocarburos y aceites.

Use: Recomendada para la impulsión y/o aspiración de carburantes, aceites y lubricantes tanto en camiones cisternas, vagones o en planta.

EGE: Serie ligera: 7100
Serie estándar: 10100
Serie pesada: 14100

Espiral interior: Acero galvanizado (G)

Espiral exterior: Acero galvanizado (G)

Forro interior: Polipropileno (E)

Cubierta: PVC (PP bajo demanda)

Factor de seguridad: 5:1

Temperatura: -30°C a +100°C

Aplication: Fuel-oil delivery.

Use: Recommended for the delivery and/or suction of fuels, oils and lubricants in cistern trucks, railcars or fixed deposit.

EGE: Light series: 7100
Standard series: 10100
Heavy series: 14100

Inner wire spiral: Galvanized steel (G)

Outer wire spiral: Galvanized steel (G)

Inner lining: Polypropylene (E)

Cover: PVC (Polypropylene on request).

Safety factor: 5:1

Temperature: -30°C to +100°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|---------------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/ inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 411000-50 | - | 2 | - | 10 | 150 | 190 | 2,060 | |
| 411000-80 | - | 3 | - | 10 | 150 | 290 | 3,500 | |
| 411000-100 | - | 4 | - | 10 | 150 | 320 | 5,440 | |

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POLIVALENTE

Ref: **680 AA**

Aplicación: Impulsión de hidrocarburos y aceites.

Uso: Combustible de uso general y descarga de petróleo.

Tubo: Elastómero sintético negro.

Cubierta: Elastómero sintético negro. Resistente a la abrasión, ozono y hidrocarburos.

Refuerzo: Cordones textiles de gran tenacidad. Alambre antiestático diam >= 13mm.

Factor de seguridad: 3:1

Temperatura: -10°C / +60°C



Aplication: Fuel-oil delivery 10 bar.

Use: General purpose fuel and oil delivery.

Tube: Black synthetic elastomer.

Cover: Black synthetic elastomer - abrasion, ozone and hydrocarbon resistant.

Reinforcement: High tensile textile cords - antistatic wire ID >= 13 mm.

Safety factor: 3:1

Temperature: -10°C / +60°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 680AA006013 | 6 | 1/4 | 13 | 10 | 150 | 48 | 0,140 | |
| 680AA008015 | 8 | 5/16 | 15 | 10 | 150 | 64 | 0,170 | |
| 680AA010017 | 10 | 3/8 | 17 | 10 | 150 | 80 | 0,200 | |
| 680AA013020 | 13 | 1/2 | 20 | 10 | 150 | 104 | 0,245 | |
| 680AA019027 | 19 | 3/4 | 27 | 10 | 150 | 152 | 0,395 | |
| 680AA025035 | 25 | 1 | 35 | 10 | 150 | 200 | 0,625 | |

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BRAZOS DE CARGA DE CARBURANTE

Ref: 60G AA

Aplicación: Manguera para brazos de carga de carburante.

Norma: EN 1765/S151

Uso: Aceite crudo y productos derivados del petróleo líquido, aspiración e impulsión de los petroleros y los buques de abastecimiento.

Máximo 55% de resistencia al contenido aromático.

Conductiva (no conductiva bajo pedido)

ACCESORIOS INCORPORADOS

TAMBIÉN DISPONIBLE:

- 60HAA 100% contenido aromático
- 60IAA biocombustible

Tubo: NBR, negro.

Cubierta: CR negro, resistente a la abrasión, ozono, agua de mar e hidrocarburos resistentes.

Refuerzo: Cordones de textiles de gran tenacidad con espirales de acero incorporadas.

Factor de seguridad: 4:1

Temperatura: -20°C / +82°C



Aplicacion: Fuel-oil S&D 15 bar.

Norm: EN 1765/S151

Use: Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

BUILT-IN FITTINGS

ALSO AVAILABLE:

- 60HAA 100% aromatic content
- 60IAA biofuel

Tube: Black NBR.

Cover: Black CR- abrasion, ozone, sea water and hydrocarbon resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: 4:1

Temperature: -20°C / +82°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 60GAA100 | 100 | 4 | - | 15 | 225 | 500 | 10,100 | |
| 60GAA150 | 150 | 6 | - | 15 | 225 | 750 | 17,600 | |
| 60GAA200 | 200 | 8 | - | 15 | 225 | 1000 | 28,400 | |
| 60GAA250 | 250 | 10 | - | 15 | 225 | 1250 | 38,500 | |
| 60GAA300 | 300 | 12 | - | 15 | 225 | 1500 | 54,500 | |



Notas:

| Pág. | Imagen / Referencia | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Servicio | | Temp. (°C) |
|------|---------------------|---------------|----------|-------------|------|----------------|------|-------------|
| | | Internal tube | Cover | min. | max. | vap. | agua | min. / max. |

VAPOR

| | | | | | | | | | |
|----|---|--------|-----------|--------------|----|-----|--------------|---|-------------|
| 36 |  | 344 AH | EPDM | EPDM | 13 | 25 | 18 bar | - | Vapor: +210 |
| 37 |  | 340 AA | EPDM | EPDM | 13 | 25 | 18 bar | - | Vapor: +210 |
| 38 |  | 340 AH | EPDM | EPDM | 13 | 76 | 18 bar | - | - |
| 39 |  | 7500 | AISI-316L | AISI-304 | 6 | 197 | 125bar (máx) | | -200 / +550 |
| 40 |  | 7525 | AISI-321 | 2 x AISI-304 | 6 | 103 | 188bar (máx) | | -200 / +550 |

AGUA CALIENTE

| | | | | | | | | | |
|----|---|--------|------|------|----|----|---|----|---------------------------|
| 41 |  | 350 AA | EPDM | EPDM | 13 | 51 | 6 | - | Vapor: +165 Agua: +120 |
| 42 |  | 375 AA | EPDM | EPDM | 13 | 25 | - | 10 | Agua: +100 |

LIMPIEZA

| | | | | | | | | | |
|----|---|--------|------|------|----|----|---|---|---------------------------|
| 43 |  | 350 LE | EPDM | EPDM | 19 | 51 | 6 | - | Vapor: +165 Agua: +120 |
|----|---|--------|------|------|----|----|---|---|---------------------------|

RADIADOR

| | | | | | | | | | |
|----|---|--------|------|------|----|-----|---|----|------------|
| 44 |  | 352 AA | EPDM | EPDM | 25 | 127 | 5 | 75 | -40 / +120 |
|----|---|--------|------|------|----|-----|---|----|------------|



VAPOR

Ref: **340 AH**



Aplicación: Vapor.

Uso: Vapor saturado y recalentado.

Tubo: EPDM negro conductivo.

Cubierta: EPDM rojo. Resistente al calor, abrasión y ozono. Microperforada.

Refuerzo: Mallas de acero de gran tenacidad.

Factor de seguridad: 10:1

Temperatura: -40 °C / +210 °C - Intermitente 232 °C.

Aplication: Steam.

Use: Saturated and superheated steam.

Tube: Black conductive EPDM.

Cover: Black conductive EPDM - heat, abrasion and ozone resistant - pin pricked.

Reinforcement: High tensile steel wire braids.

Safety factor: 10:1

Temperature: -40 °C / +210 °C (-40 °F +410 °F) intermittent to 232 °C (450 °F)

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 340AH013023 | 13 | 1/2 | 23 | 18 | 270 | 130 | 0,400 | |
| 340AH016026 | 16 | 5/8 | 26 | 18 | 270 | 160 | 0,480 | |
| 340AH019031 | 19 | 3/4 | 31 | 18 | 270 | 190 | 0,740 | |
| 340AH025038 | 25 | 1 | 38 | 18 | 270 | 250 | 0,900 | |
| 340AH032046 | 32 | 1 1/4 | 46 | 18 | 270 | 320 | 1,190 | |
| 340AH038052 | 38 | 1 1/2 | 52 | 18 | 270 | 380 | 1,340 | |
| 340AH051067 | 51 | 2 | 67 | 18 | 270 | 510 | 2,130 | |
| 340AH063081 | 63 | 2 1/2 | 81 | 18 | 270 | 630 | 2,990 | |
| 340AH076094 | 76 | 3 | 94 | 18 | 270 | 760 | 3,970 | |

Notas:

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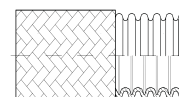
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VAPOR

Ref: 7500



Aplicación: Mangueras flexibles.

Ventajas:

- Adecuada para una amplia gama de temperaturas (desde -270°C hasta +700°C)
- Compensada para la contracción y expansión del sistema de tubería
- Gran resistencia física
- Ignífuga
- Amplia vida útil
- Resistente a la humedad
- Buenas características anti corrosión
- Resistente a la abrasión, penetración y daño
- Conecta tuberías rígidas mal alineadas, absorbiendo o amortiguando la vibración
- Es una opción flexible y rápida para tuberías rígidas en ubicaciones difíciles

Tubo interior: AISI-316L

Refuerzo: AISI-304

Factor de seguridad: 4:1

Temperatura: -270°C / +700°C (-454°F / +1292°F).

Application: Flexible hoses.

Advantages:

- Suitable for wide temperature range (-270°C to +700°C)
- Compensates for thermal expansion contraction in the piping system
- High physical strength
- Fire resistant
- Moisture resistant
- Longer Life
- Good corrosion characteristics
- Resistant to abrasion, penetration and damage
- Connects misaligned rigid piping absorbs or dampens vibration and similar equipments
- A flexible and quick option for rigid piping in difficult locations

Inner tube: AISI-316L

Reinforcement: AISI-304

Safety factor: 4:1

Temperature: -270°C / +700°C (-454°F / +1292°F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------|-------------------------------|-----------------|
| | DN | int (pulg/inch) | ext (mm) | bar | psi | mm | € |
| 7500-06 | 6,0 | 1/4 | 10,7 | 120 | 1740 | 85 | |
| 7500-10 | 10,1 | 3/8 | 15,5 | 90 | 1305 | 140 | |
| 7500-12 | 12,2 | 1/2 | 18,0 | 80 | 1160 | 140 | |
| 7500-16 | 16,4 | 5/8 | 23,0 | 70 | 1015 | 160 | |
| 7500-20 | 20,3 | 3/4 | 28,3 | 64 | 928 | 170 | |
| 7500-25 | 25,4 | 1 | 33,5 | 50 | 725 | 190 | |
| 7500-32 | 33,6 | 1 1/4 | 42,8 | 40 | 580 | 260 | |
| 7500-40 | 39,8 | 1 1/2 | 51,2 | 35 | 508 | 300 | |
| 7500-50 | 50,2 | 2 | 62,5 | 30 | 435 | 320 | |
| 7500-65 | 66,0 | 2 1/2 | 83,0 | 24 | 348 | 410 | |
| 7500-80 | 76,0 | 3 | 97,0 | 18 | 261 | 450 | |
| 7500-100 | 103,2 | 4 | 119,0 | 16 | 232 | 560 | |
| 7500-127 | 125,0 | 5 | 152,5 | 14 | 203 | 710 | |
| 7500-152 | 152,7 | 6 | 177,5 | 10 | 145 | 815 | |
| 7500-200 | 197,5 | 8 | 228,0 | 8 | 116 | 1015 | |

Estos valores de presión son para fluidos y temperatura ambiente de 20°C. Para temperaturas más altas aplique los factores de corrección que se indican en la siguiente tabla / La presión de rotura es 4 veces la presión máxima de trabajo

| Factor de corrección / Correction factor | | | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Temp. °C | -200 | -150 | -100 | -50 | 0 | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
| Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.88 | 0.74 | 0.67 | 0.62 | 0.58 | 0.54 | 0.52 | 0.50 | 0.48 | 0.47 | 0.47 |

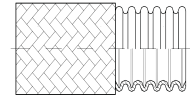
Ejemplo: Necesita un tubo flexible de acero inoxidable de 1-1/2" - 39,8 mm. con un fluido a una presión de 15 bar y a una temperatura de 300°C. Según la ficha de datos correspondiente la presión máxima de trabajo a 20°C es de 30 bar. Según la tabla de corrección, la presión máxima de trabajo a 300°C es: 30 x 0,54 = 16,2 bar
El tubo flexible seleccionado resulta por ello adecuado para la aplicación.

Normativa aplicable:

- DEP (Directiva Equipos a Presión) 2014/68/EU. Certificado N° 07-203-1409-HP-2064/15, por TUV NORD COMPANYY.
- Type Approval Lloyd's Register Company para el sector naval. Certificado N° 02/00098(E1) desde 2013.
- Soldadores homologados por Cesol, según EN9606-1 para diámetros desde 2" en adelante desde 2004.
- Cumplimiento de la norma UNE-EN-ISO 10380:2012 con cada uno de los montajes de tubos completos.

VAPOR

Ref: 7525

**Aplicación:** Mangueras flexibles.**Ventajas:**

- Adecuada para una amplia gama de temperaturas (desde -270°C hasta +700°C)
- Compensada para la contracción y expansión del sistema de tubería
- Gran resistencia física
- Ignífuga
- Amplia vida útil
- Resistente a la humedad
- Buenas características anti corrosión
- Resistente a la abrasión, penetración y daño
- Conecta tuberías rígidas mal alineadas, absorbiendo o amortiguando la vibración
- Es una opción flexible y rápida para tuberías rígidas en ubicaciones difíciles

Tubo interior: AISI-321**Refuerzo:** 2 mallas AISI-304**Factor de seguridad:** 4:1**Temperatura:** -270°C / +700°C (-454°F / +1292°F).**Application:** Flexible hoses.**Advantages:**

- Suitable for wide temperature range (-270°C to +700°C)
- Compensates for thermal expansion contraction in the piping system
- High physical strength
- Fire resistant
- Moisture resistant
- Longer Life
- Good corrosion characteristics
- Resistant to abrasion, penetration and damage
- Connects misaligned rigid piping absorbs or dampens vibration and similar equipments
- A flexible and quick option for rigid piping in difficult locations

Inner tube: AISI-321**Reinforcement:** 2 braids AISI-304**Safety factor:** 4:1**Temperature:** -270°C / +700°C (-454°F / +1292°F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------|-------------------------------|-----------------|
| | DN | int (pulg/inch) | ext (mm) | bar | psi | mm | € |
| 7525-06 | 6,0 | 1/4 | 12,0 | 192 | 2785 | 85 | |
| 7525-10 | 10,1 | 3/8 | 16,7 | 144 | 2088 | 140 | |
| 7525-12 | 12,2 | 1/2 | 19,1 | 128 | 1856 | 140 | |
| 7525-16 | 16,4 | 5/8 | 24,4 | 112 | 1625 | 160 | |
| 7525-20 | 20,3 | 3/4 | 29,8 | 102 | 1480 | 170 | |
| 7525-25 | 25,4 | 1 | 35,2 | 80 | 1160 | 190 | |
| 7525-32 | 33,6 | 1 1/4 | 44,3 | 64 | 928 | 260 | |
| 7525-40 | 39,8 | 1 1/2 | 52,7 | 56 | 812 | 300 | |
| 7525-50 | 50,2 | 2 | 64,3 | 48 | 1045 | 320 | |
| 7525-65 | 66,0 | 2 1/2 | 85,0 | 38 | 550 | 410 | |
| 7525-80 | 76,0 | 3 | 99,0 | 29 | 420 | 450 | |
| 7525-100 | 103,2 | 4 | 121,5 | 26 | 377 | 560 | |

Estos valores de presión son para fluidos y temperatura ambiente de 20°C. Para temperaturas más altas aplique los factores de corrección que se indican en la siguiente tabla / La presión de rotura es 4 veces la presión máxima de trabajo

Factor de corrección / Correction factor

| Temp. °C | -200 | -150 | -100 | -50 | 0 | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.88 | 0.74 | 0.67 | 0.62 | 0.58 | 0.54 | 0.52 | 0.50 | 0.48 | 0.47 | 0.47 |

Ejemplo: Necesita un tubo flexible de acero inoxidable de 1-1/2" - 39,8 mm. con un fluido a una presión de 15 bar y a una temperatura de 300°C. Según la ficha de datos correspondiente la presión máxima de trabajo a 20°C es de 30 bar. Según la tabla de corrección, la presión máxima de trabajo a 300°C es: $30 \times 0,54 = 16,2$ bar
El tubo flexible seleccionado resulta por ello adecuado para la aplicación.

Normativa aplicable:

- DEP (Directiva Equipos a Presión) 2014/68/EU. Certificado N° 07-203-1409-HP-2064/15, por TUV NORD COMPANYY.
- Type Approval Lloyd's Register Company para el sector naval. Certificado N° 02/00098(E1) desde 2013.
- Soldadores homologados por Cesol, según EN9606-1 para diámetros desde 2" en adelante desde 2004.
- Cumplimiento de la norma UNE-EN-ISO 10380:2012 con cada uno de los montajes de tubos completos.

LIMPIEZA

Ref: **350 LE**



Aplicación: Limpieza.

Norma: FDA - arrêté du 09/11/94 D - IANESCO. 2004/1935 EC. 2006/2023 EC.

Uso: impulsión de líquidos alimenticios, vapor saturado y agua caliente para aplicaciones industriales en general. Especialmente diseñada para lavado en industrias alimenticias y lacteas.

Tubo: EPDM blanco alimentario.

Cubierta: EPDM azul - resistente al calor, abrasión y ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: Agua 4:1 - Vapor 10:1

Temperatura: -40 °C / + 120 °C. Vapor 165 °C (-40 °F / +248 °F). Vapor +165 °C (+330 °F)

Aplication: Cleaning.

Norm: FDA - arrêté du 09/11/94 D - IANESCO. 2004/1935 EC. 2006/2023 EC.

Use: Saturated steam and hot water delivery in general industrial applications. Specially designed for wash down use in the food and dairy industry.

Tube: White food grade EPDM.

Cover: Blue EPDM - heat, abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: Water 4:1 - Steam 10:1

Temperature: Water -40 °C / +120 °C (-40 °F / +248 °F). Steam +165 °C (+330 °F)

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure (bar) | | Radio curvat. Curve radius mm | Peso Weight kg/m | Precio Price € |
|-------------------------|----------------------|-----------------|----------|--|------------|-------------------------------------|------------------------|----------------------|
| | int (mm) | int (pulg/inch) | ext (mm) | vapor/steam | agua/water | | | |
| 350LE013023 | 13 | 1/2 | 23 | 6 | 15 | - | 0,360 | |
| 350LE016026 | 16 | 5/8 | 26 | 6 | 15 | - | 0,420 | |
| 350LE019031 | 19 | 3/4 | 31 | 6 | 15 | - | 0,590 | |
| 350LE025037 | 25 | 1 | 37 | 6 | 15 | - | 0,740 | |
| 350LE032046 | 32 | 1 1/4 | 46 | 6 | 15 | - | 0,930 | |
| 350LE038052 | 38 | 1 1/2 | 52 | 6 | 15 | - | 1,090 | |
| 350LE051067 | 51 | 2 | 67 | 6 | 15 | - | 1,660 | |

Notas:

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RADIADOR

Ref: **352 AA**

Aplicación: Radiador (5 bar).

Norma: Excede DIN 73411 SAE 20R1 D-2,

Uso: Radiador.

Tubo: EPDM negro.

Cubierta: EPDM negro - Resistente al calor, abrasión y ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: 3:1

Temperatura: -40 °C / +120 °C (-40 °F / +248 °F).



Application: Radiator (5 bar).

Norm: Exceeds DIN 73411 SAE 20R1 D-2.

Use: Radiator.

Tube: Black EPDM.

Cover: Black EPDM - heat, abrasion and ozone resistant.








Reinforcement: High tensile textile cords.

Safety factor: 3:1

Temperature: -40 °C / +120 °C (-40 °F / +248 °F).

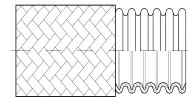
| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure (bar) | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------------|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | vapor/steam | agua/water | mm | kg/m | € |
| 352AA025033 | 25 | 1 | 33 | 5 | 75 | - | 0,470 | |
| 352AA028036 | 28 | 1 1/8 | 36 | 5 | 75 | - | 0,510 | |
| 352AA030038 | 30 | 1 3/16 | 38 | 5 | 75 | - | 0,550 | |
| 352AA032040 | 32 | 1 1/4 | 40 | 5 | 75 | - | 0,580 | |
| 352AA035043 | 35 | 1 3/8 | 43 | 5 | 75 | - | 0,620 | |
| 352AA038048 | 38 | 1 1/2 | 48 | 5 | 75 | - | 0,860 | |
| 352AA040050 | 40 | 1 9/16 | 50 | 5 | 75 | - | 0,890 | |
| 352AA042052 | 42 | 1 5/8 | 52 | 5 | 75 | - | 0,930 | |
| 352AA045055 | 45 | 1 3/4 | 55 | 5 | 75 | - | 0,990 | |
| 352AA048058 | 48 | 1 7/8 | 58 | 5 | 75 | - | 1,050 | |
| 352AA051061 | 51 | 2 | 61 | 5 | 75 | - | 1,120 | |
| 352AA055065 | 55 | 2 1/6 | 65 | 5 | 75 | - | 1,190 | |
| 352AA057067 | 57 | 2 1/4 | 67 | 5 | 75 | - | 1,230 | |
| 352AA060070 | 60 | 2 3/8 | 70 | 5 | 75 | - | 1,290 | |
| 352AA063073 | 63 | 2 1/2 | 73 | 5 | 75 | - | 1,350 | |
| 352AA070080 | 70 | 2 3/4 | 80 | 5 | 75 | - | 1,450 | |
| 352AA076086 | 76 | 3 | 86 | 5 | 75 | - | 1,560 | |
| 352AA080090 | 80 | 3 1/8 | 90 | 5 | 75 | - | 1,640 | |
| 352AA090102 | 90 | 3 1/2 | 102 | 5 | 75 | - | 2,030 | |
| 352AA102114 | 102 | 4 | 114 | 5 | 75 | - | 2,270 | |
| 352AA110122 | 110 | 4 5/16 | 122 | 5 | 75 | - | 2,430 | |
| 352AA115127 | 115 | 4 1/2 | 127 | 5 | 75 | - | 2,530 | |
| 352AA127141 | 127 | 5 | 141 | 5 | 75 | - | 3,230 | |

Notas:

| Pág. | Imagen / Referencia | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Servicio | | Temp. (°C) | |
|-------------------------------|---|---------------|---------------|--------------|------|----------------|-------------|-------------|-------------|
| | | Internal tube | Cover | min. | max. | bar. | psi. | min. / max. | |
| TRANSPORTE DE ÁCIDOS | | | | | | | | | |
| 46 |  | 7500 | AISI-316L | AISI-304 | 6 | 197 | 125 bar máx | | -200 / +550 |
| 47 |  | 7525 | AISI-321 | 2 x AISI-304 | 6 | 103 | 188 bar máx | | -200 / +550 |
| ASPIRACIÓN E IMPULSIÓN | | | | | | | | | |
| 48 |  | 503 AA | EPDM | EPDM | 19 | 102 | 16 | 240 | -30 / +100 |
| 49 |  | 412000 | POLIPROPILENO | PVC | 50 | 100 | 10 | 150 | -30 / +100 |
| 50 |  | 509 OE | UPE | EPDM | 19 | 102 | 16 | 240 | -30 / +100 |
| 51 |  | 505 OG | XLPE | EPDM | 19 | 102 | 16 | 240 | - |
| AGRICULTURA | | | | | | | | | |
| 52 |  | 593 AK | PVC | PVC | 8 | 13 | 80 | 1200 | -5 / +60 |

TRANSPORTE DE ÁCIDOS

Ref: 7500

**Aplicación:** Mangueras flexibles.**Ventajas:**

- Adecuada para una amplia gama de temperaturas (desde -270°C hasta +700°C)
- Compensada para la contracción y expansión del sistema de tubería
- Gran resistencia física
- Ignífuga
- Amplia vida útil
- Resistente a la humedad
- Buenas características anti corrosión
- Resistente a la abrasión, penetración y daño
- Conecta tuberías rígidas mal alineadas, absorbiendo o amortiguando la vibración
- Es una opción flexible y rápida para tuberías rígidas en ubicaciones difíciles

Tubo interior: AISI-316L**Refuerzo:** AISI-304**Factor de seguridad:** 4:1**Temperatura:** -270°C / +700°C (-454°F / +1292°F).**Application:** Flexible hoses.**Advantages:**

- Suitable for wide temperature range (-270°C to +700°C)
- Compensates for thermal expansion contraction in the piping system
- High physical strength
- Fire resistant
- Moisture resistant
- Longer Life
- Good corrosion characteristics
- Resistant to abrasion, penetration and damage
- Connects misaligned rigid piping absorbs or dampens vibration and similar equipments
- A flexible and quick option for rigid piping in difficult locations

Inner tube: AISI-316L**Reinforcement:** AISI-304**Safety factor:** 4:1**Temperature:** -270°C / +700°C (-454°F / +1292°F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------|-------------------------------|-----------------|
| | DN | int (pulg/inch) | ext (mm) | bar | psi | mm | € |
| 7500-06 | 6,0 | 1/4 | 10,7 | 120 | 1740 | 85 | |
| 7500-10 | 10,1 | 3/8 | 15,5 | 90 | 1305 | 140 | |
| 7500-12 | 12,2 | 1/2 | 18,0 | 80 | 1160 | 140 | |
| 7500-16 | 16,4 | 5/8 | 23,0 | 70 | 1015 | 160 | |
| 7500-20 | 20,3 | 3/4 | 28,3 | 64 | 928 | 170 | |
| 7500-25 | 25,4 | 1 | 33,5 | 50 | 725 | 190 | |
| 7500-32 | 33,6 | 1 1/4 | 42,8 | 40 | 580 | 260 | |
| 7500-40 | 39,8 | 1 1/2 | 51,2 | 35 | 508 | 300 | |
| 7500-50 | 50,2 | 2 | 62,5 | 30 | 435 | 320 | |
| 7500-65 | 66,0 | 2 1/2 | 83,0 | 24 | 348 | 410 | |
| 7500-80 | 76,0 | 3 | 97,0 | 18 | 261 | 450 | |
| 7500-100 | 103,2 | 4 | 119,0 | 16 | 232 | 560 | |
| 7500-127 | 125,0 | 5 | 152,5 | 14 | 203 | 710 | |
| 7500-152 | 152,7 | 6 | 177,5 | 10 | 145 | 815 | |
| 7500-200 | 197,5 | 8 | 228,0 | 8 | 116 | 1015 | |

Estos valores de presión son para fluidos y temperatura ambiente de 20°C. Para temperaturas más altas aplique los factores de corrección que se indican en la siguiente tabla / La presión de rotura es 4 veces la presión máxima de trabajo

Factor de corrección / Correction factor

| Temp. °C | -200 | -150 | -100 | -50 | 0 | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.88 | 0.74 | 0.67 | 0.62 | 0.58 | 0.54 | 0.52 | 0.50 | 0.48 | 0.47 | 0.47 |

Ejemplo: Necesita un tubo flexible de acero inoxidable de 1-1/2" - 39,8 mm. con un fluido a una presión de 15 bar y a una temperatura de 300°C. Según la ficha de datos correspondiente la presión máxima de trabajo a 20°C es de 30 bar. Según la tabla de corrección, la presión máxima de trabajo a 300°C es: 30 x 0,54 = 16,2 bar

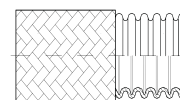
El tubo flexible seleccionado resulta por ello adecuado para la aplicación.

Normativa aplicable:

- DEP (Directiva Equipos a Presión) 2014/68/EU. Certificado N° 07-203-1409-HP-2064/15, por TUV NORD COMPANYY.
- Type Approval Lloyd's Register Company para el sector naval. Certificado N° 02/00098(E1) desde 2013.
- Soldadores homologados por Cesol, según EN9606-1 para diámetros desde 2" en adelante desde 2004.
- Cumplimiento de la norma UNE-EN-ISO 10380:2012 con cada uno de los montajes de tubos completos.

TRANSPORTE DE ÁCIDOS

Ref: 7525



Aplicación: Mangueras flexibles.

Ventajas:

- Adecuada para una amplia gama de temperaturas (desde -200°C hasta +550°C)
- Compensada para la contracción y expansión del sistema de tubería
- Gran resistencia física
- Ignífuga
- Amplia vida útil
- Resistente a la humedad
- Buenas características anti corrosión
- Resistente a la abrasión, penetración y daño
- Conecta tuberías rígidas mal alineadas, absorbiendo o amortiguando la vibración
- Es una opción flexible y rápida para tuberías rígidas en ubicaciones difíciles

Tubo interior: AISI-321

Refuerzo: 2 mallas AISI-304

Factor de seguridad: 4:1

Temperatura: -200°C / +550°C (-328°F / +1022°).

Application: Flexible hoses.

Advantages:

- Suitable for wide temperature range (-200°C to +550°C)
- Compensates for thermal expansion contraction in the piping system
- High physical strength
- Fire resistant
- Moisture resistant
- Longer Life
- Good corrosion characteristics
- Resistant to abrasion, penetration and damage
- Connects misaligned rigid piping absorbs or dampens vibration and similar equipments
- A flexible and quick option for rigid piping in difficult locations

Inner tube: AISI-321

Reinforcement: 2 braids AISI-304

Safety factor: 4:1

Temperature: -200°C / +550°C (-328°F / +1022°).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------|-------------------------------|-----------------|
| | DN | int (pulg/inch) | ext (mm) | bar | psi | mm | € |
| 7525-06 | 6,0 | 1/4 | 12,0 | 192 | 2785 | 85 | |
| 7525-10 | 10,1 | 3/8 | 16,7 | 144 | 2088 | 140 | |
| 7525-12 | 12,2 | 1/2 | 19,1 | 128 | 1856 | 140 | |
| 7525-16 | 16,4 | 5/8 | 24,4 | 112 | 1625 | 160 | |
| 7525-20 | 20,3 | 3/4 | 29,8 | 102 | 1480 | 170 | |
| 7525-25 | 25,4 | 1 | 35,2 | 80 | 1160 | 190 | |
| 7525-32 | 33,6 | 1 1/4 | 44,3 | 64 | 928 | 260 | |
| 7525-40 | 39,8 | 1 1/2 | 52,7 | 56 | 812 | 300 | |
| 7525-50 | 50,2 | 2 | 64,3 | 48 | 1045 | 320 | |
| 7525-65 | 66,0 | 2 1/2 | 85,0 | 38 | 550 | 410 | |
| 7525-80 | 76,0 | 3 | 99,0 | 29 | 420 | 450 | |
| 7525-100 | 103,2 | 4 | 121,5 | 26 | 377 | 560 | |

Estos valores de presión son para fluidos y temperatura ambiente de 20°C. Para temperaturas más altas aplique los factores de corrección que se indican en la siguiente tabla / La presión de rotura es 4 veces la presión máxima de trabajo

Factor de corrección / Correction factor

| Temp. °C | -200 | -150 | -100 | -50 | 0 | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.88 | 0.74 | 0.67 | 0.62 | 0.58 | 0.54 | 0.52 | 0.50 | 0.48 | 0.47 | 0.47 |

Ejemplo: Necesita un tubo flexible de acero inoxidable de 1-1/2" - 39,8 mm. con un fluido a una presión de 15 bar y a una temperatura de 300°C. Según la ficha de datos correspondiente la presión máxima de trabajo a 20°C es de 30 bar. Según la tabla de corrección, la presión máxima de trabajo a 300°C es: 30 x 0,54 = 16,2 bar

El tubo flexible seleccionado resulta por ello adecuado para la aplicación.

Normativa aplicable:

- DEP (Directiva Equipos a Presión) 2014/68/EU. Certificado Nº 07-203-1409-HP-2064/15, por TUV NORD COMPANYY.
- Type Approval Lloyd's Register Company para el sector naval. Certificado Nº 02/00098(E1) desde 2013.
- Soldadores homologados por Cesol, según EN9606-1 para diámetros desde 2" en adelante desde 2004.
- Cumplimiento de la norma UNE-EN-ISO 10380:2012 con cada uno de los montajes de tubos completos.

ASPIRACIÓN E IMPULSIÓN

Ref: **503 AA**

Aplicación: Químicos. Aspiración e impulsión.

Norma: EN 12115.

Uso: Aspiración e impulsión de ácidos y productos químicos.

Tubo: EPDM Negro conductivo.

Cubierta: EPDM negro - resistente a la abrasión, ozono y al fuego.

Refuerzo: Cordones de textiles de gran tenacidad con espirales de acero incorporadas. Malla antiestática.

Factor de seguridad: 4:1

Temperatura: -30 °C / +100 °C (-22 °F / +212 °F) dependiendo del producto químico transportado.



Application: Chemical. Suction and delivery.

Norm: EN 12115.

Use: Acid and chemical suction and delivery.

Tube: Black conductive EPDM.

Cover: Black conductive EPDM - abrasion, ozone and fire resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire - antistatic wire.

Safety factor: 4:1

Temperature: -30 °C / +100 °C (-22 °F / +212 °F) depending on conveyed chemical

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|---------------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/ inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 503AA019031 | 19 | 3/4 | 31 | 16 | 240 | 95 | 0,730 | |
| 503AA025037 | 25 | 1 | 37 | 16 | 240 | 125 | 0,900 | |
| 503AA032044 | 32 | 1 1/4 | 44 | 16 | 240 | 160 | 1,080 | |
| 503AA038051 | 38 | 1 1/2 | 51 | 16 | 240 | 190 | 1,240 | |
| 503AA051067 | 51 | 2 | 67 | 16 | 240 | 250 | 1,910 | |
| 503AA063079 | 63 | 2 1/2 | 79 | 16 | 240 | 300 | 2,480 | |
| 503AA076092 | 76 | 3 | 92 | 16 | 240 | 350 | 2,990 | |
| 503AA102118 | 102 | 4 | 118 | 16 | 240 | 450 | 4,040 | |

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ASPIRACIÓN E IMPULSIÓN

Ref: **509 OE**



Aplicación: Químicos. Aspiración e impulsión.

Norma: UPE - FDA.
EU 10/2011 A+B+C+D2.
2004/1935 EC. 2006/2023 EC.

Uso: Aspiración e impulsión de ácidos y productos químicos. Adecuada para el 98% de los productos químicos existentes.

Tube: UPE transparente (Polietileno de peso molecular alto).

Cubierta: EPDM azul. Resistente a la abrasión y al ozono.

Refuerzo: Cordones textiles de gran tenacidad con espirales de acero incorporadas.

Factor de seguridad: 3:1

Temperatura: -30 °C / +100 °C (-22 °F +212 °F) dependiendo del producto químico transportado.

Aplication: Chemical.

Norm: UPE - FDA.
EU 10/2011 A+B+C+D2.
2004/1935 EC. 2006/2023 EC.

Use: Acid and chemical suction and delivery. Suitable for 98% of existing chemicals.

Tube: Transparent UPE (Ultra High Molecular Weight Polyethylene).

Cover: Blue EPDM - abrasion and ozone resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: 3:1

Temperature: -30 °C / +100 °C (-22 °F +212 °F) depending on conveyed chemical.

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | | | |
| 509OE019031 | 19 | 3/4 | 31 | 16 | 240 | 114 | 0,590 | |
| 509OE025037 | 25 | 1 | 37 | 16 | 240 | 150 | 0,730 | |
| 509OE032044 | 32 | 1 1/4 | 44 | 16 | 240 | 192 | 0,880 | |
| 509OE038050 | 38 | 1 1/2 | 50 | 16 | 240 | 228 | 1,010 | |
| 509OE040052 | 40 | 1 9/16 | 52 | 16 | 240 | 240 | 1,050 | |
| 509OE051063 | 51 | 2 | 63 | 16 | 240 | 300 | 1,340 | |
| 509OE063077 | 63 | 2 1/2 | 77 | 16 | 240 | 378 | 2,090 | |
| 509OE076092 | 76 | 3 | 92 | 16 | 240 | 450 | 2,840 | |
| 509OE102118 | 102 | 4 | 118 | 16 | 240 | 600 | 3,870 | |

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| Pág. | Imagen / Referencia | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Servicio | | Temp. (°C) |
|------|---------------------|---------------|----------|-------------|------|----------------|------|-------------|
| | | Internal tube | Cover | min. | max. | bar. | psi. | min. / max. |

POLIVALENTE

| | | | | | | | | | |
|----|---|--------|------|------|----|-----|----|-----|------------|
| 54 |  | 202 AA | EPDM | EPDM | 25 | 254 | 10 | 150 | -40 / +100 |
|----|---|--------|------|------|----|-----|----|-----|------------|

ASPIRACIÓN E IMPULSIÓN DE AGUA

| | | | | | | | | | |
|----|---|--------|-----|-------------|----|-----|----|-----|----------|
| 55 |  | 266 KL | PVC | PVC | 20 | 102 | 7 | 75 | -5 / +60 |
| 56 |  | 472 OO | PVC | MALLA ACERO | 10 | 152 | 15 | 225 | -5 / +60 |

ENROLLABLES EN PLANO

| | | | | | | | | | |
|----|---|--------|------|------|----|-----|----|-----|-----------|
| 57 |  | 253 AA | EPDM | EPDM | 32 | 305 | 10 | 150 | -30 / +80 |
|----|---|--------|------|------|----|-----|----|-----|-----------|

APLICACIONES PESADAS - REGADÍO

| | | | | | | | | | |
|----|---|--------|------|------|----|-----|----|-----|-----------|
| 58 |  | 256 AA | EPDM | EPDM | 51 | 152 | 18 | 270 | -30 / +80 |
|----|---|--------|------|------|----|-----|----|-----|-----------|

LIMPIEZA DE ALCANTARILLADO

| | | | | | | | | | |
|----|---|-------|-----|-----|----|----|-----|------|-----------|
| 59 |  | 06010 | NBR | NBR | 13 | 25 | 250 | 3625 | -40 / +80 |
|----|---|-------|-----|-----|----|----|-----|------|-----------|

POLIVALENTE

Ref: **202 AA**



Aplicación: Manguera polivalente.

Uso: Aspiración y descarga de agua. También adecuada para productos químicos y fertilizantes suaves en aplicaciones industriales y agrícolas en general.

Tubo: EPDM negro conductivo.

Cubierta: EPDM negro conductivo - Resistente a la abrasión y el ozono.

Refuerzo: Cordones textiles de gran tenacidad con espiral de acero incorporada.

Factor de seguridad: DN ≤ 127mm → 3:1
DN ≥ 152 mm → 2.5:1

Temperatura: -40°C / +100°C

Application: General purpose S&D 10 bar.

Use: Water suction and delivery. Also suitable for mild chemicals and fertilizers in general industrial and agricultural applications.

Tube: Black conductive EPDM.

Cover: Black conductive EPDM - abrasion and ozone resistant.

Reinforcement: High tensile textile cords with embedded steel helix wire.

Safety factor: DN ≤ 127mm → 3:1
DN ≥ 152 mm → 2.5:1

Temperature: -40°C / +100°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 202AA025035 | 25 | 1 | 35 | 10 | 150 | 100 | 0,700 | |
| 202AA030040 | 30 | 1 3/16 | 40 | 10 | 150 | 120 | 0,790 | |
| 202AA032042 | 32 | 1 1/4 | 42 | 10 | 150 | 128 | 0,830 | |
| 202AA038048 | 38 | 1 1/2 | 48 | 10 | 150 | 152 | 0,960 | |
| 202AA040050 | 40 | 1 9/16 | 50 | 10 | 150 | 160 | 1,010 | |
| 202AA045055 | 45 | 1 3/4 | 55 | 10 | 150 | 180 | 1,120 | |
| 202AA051061 | 51 | 2 | 61 | 10 | 150 | 204 | 1,250 | |
| 202AA060072 | 60 | 2 3/8 | 72 | 10 | 150 | 240 | 2,000 | |
| 202AA063075 | 63 | 2 1/2 | 75 | 10 | 150 | 252 | 2,090 | |
| 202AA070082 | 70 | 2 3/4 | 82 | 10 | 150 | 280 | 2,330 | |
| 202AA076088 | 76 | 3 | 88 | 10 | 150 | 304 | 2,500 | |
| 202AA080092 | 80 | 3 1/8 | 92 | 10 | 150 | 320 | 2,680 | |
| 202AA090102 | 90 | 3 1/2 | 102 | 10 | 150 | 360 | 3,120 | |
| 202AA102114 | 102 | 4 | 114 | 10 | 150 | 408 | 3,480 | |
| 202AA110122 | 110 | 4 5/16 | 122 | 10 | 150 | 440 | 3,710 | |
| 202AA115127 | 115 | 4 1/2 | 127 | 10 | 150 | 460 | 3,860 | |
| 202AA120134 | 120 | 4 3/4 | 134 | 10 | 150 | 600 | 5,070 | |
| 202AA127141 | 127 | 5 | 141 | 10 | 150 | 635 | 5,330 | |
| 202AA152166 | 152 | 6 | 166 | 10 | 150 | 760 | 6,660 | |
| 202AA203221 | 203 | 8 | 221 | 10 | 150 | 1015 | 9,880 | |
| 202AA254272 | 254 | 10 | 272 | 10 | 150 | 1270 | 13,520 | |

Notas:

ASPIRACIÓN E IMPULSIÓN DE AGUA



Ref: **472 OO**

Aplicación: Aspiración e impulsión de agua.

Norma: FDA - EU 10/2011 A+B+C - AS 2070.

Uso: Aspiración e impulsión de líquido alimentario y bebidas alcohólicas – máx. 20% - Esterilizada con 5% sosa.

Tubo: PVC transparente – resistente a la abrasión y al ozono.

Refuerzo: Espiral de acero.

Factor de seguridad: 3:1

Temperatura: -5°C / +60°C

Application: General purpose food quality S&D.

Norm: FDA - EU 10/2011 A+B+C - AS 2070.

Use: General purpose liquid food and alcoholic beverages suction and delivery - max 20% - Sterilize with 5% soda solution.

Tube: Transparent PVC - abrasion and ozone resistant.

Reinforcement: Steel helix wire.

Safety factor: 3:1

Temperature: -5°C / +60°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 472OO010016 | 10 | 3/8 | 16 | 15 | 225 | 40 | 0,160 | |
| 472OO013019 | 13 | 1/2 | 19 | 7 | 100 | 52 | 0,195 | |
| 472OO014020 | 14 | 9/16 | 20 | 6 | 90 | 56 | 0,210 | |
| 472OO016022 | 16 | 5/8 | 22 | 6 | 90 | 64 | 0,250 | |
| 472OO018026 | 18 | 23/32 | 26 | 6 | 90 | 72 | 0,300 | |
| 472OO020028 | 20 | 13/16 | 28 | 5 | 75 | 80 | 0,330 | |
| 472OO022030 | 22 | 7/8 | 30 | 5 | 75 | 88 | 0,380 | |
| 472OO025033 | 25 | 1 | 33 | 5 | 75 | 100 | 0,515 | |
| 472OO030038 | 30 | 1 3/16 | 38 | 4 | 60 | 120 | 0,610 | |
| 472OO032040 | 32 | 1 1/4 | 40 | 4 | 60 | 128 | 0,650 | |
| 472OO035045 | 35 | 1 3/8 | 45 | 4 | 60 | 140 | 0,785 | |
| 472OO038048 | 38 | 1 1/2 | 48 | 4 | 60 | 152 | 0,810 | |
| 472OO040050 | 40 | 1 9/16 | 50 | 3 | 45 | 160 | 0,885 | |
| 472OO045055 | 45 | 1 3/4 | 55 | 3 | 45 | 180 | 1,100 | |
| 472OO051061 | 51 | 2 | 61 | 3 | 45 | 204 | 1,230 | |
| 472OO060072 | 60 | 2 3/8 | 72 | 2 | 30 | 240 | 1,700 | |
| 472OO063075 | 63 | 2 1/2 | 75 | 2 | 30 | 252 | 1,775 | |
| 472OO070084 | 70 | 2 3/4 | 84 | 2 | 30 | 280 | 2,030 | |
| 472OO076090 | 76 | 3 | 90 | 2 | 30 | 304 | 2,350 | |
| 472OO080094 | 80 | 3 1/8 | 94 | 2 | 30 | 320 | 2,500 | |
| 472OO090104 | 90 | 3 1/2 | 104 | 2 | 30 | 360 | 3,000 | |
| 472OO102116 | 102 | 4 | 116 | 2 | 30 | 408 | 3,480 | |
| 472OO105121 | 105 | 4 1/8 | 121 | 3 | 45 | 420 | 4,250 | |
| 472OO152172 | 152 | 6 | 172 | 2 | 30 | 608 | 7,200 | |

ENROLLABLES EN PLANO



Ref: **253 AA**

Aplicación: Descarga de agua (10 bar)- trabaja en llano.

Uso: Descarga de agua en trabajos en llano.

Tubo: EPDM negro.

Cubierta: EPDM negro - Resistente a la abrasión y el ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: DN ≤ 168 mm → 3:1
DN ≥ 203 mm → 2:1

Temperatura: -30°C / +80°C

Application: Water discharge 10 bar - lay flat.

Use: Lay flat water discharge.

Tube: Black EPDM.

Cover: Black EPDM - abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: DN ≤ 168 mm → 3:1
DN ≥ 203 mm → 2:1

Temperature: -30°C / +80°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 253AA032040 | 32 | 1 1/4 | 40 | 10 | 150 | - | 0,460 | |
| 253AA038046 | 38 | 1 1/2 | 46 | 10 | 150 | - | 0,540 | |
| 253AA040048 | 40 | 1 9/16 | 48 | 10 | 150 | - | 0,570 | |
| 253AA045053 | 45 | 1 3/4 | 53 | 10 | 150 | - | 0,660 | |
| 253AA051059 | 51 | 2 | 59 | 10 | 150 | - | 0,730 | |
| 253AA060068 | 60 | 2 3/8 | 68 | 10 | 150 | - | 0,860 | |
| 253AA063071 | 63 | 2 1/2 | 71 | 10 | 150 | - | 0,900 | |
| 253AA070078 | 70 | 2 3/4 | 78 | 10 | 150 | - | 1,200 | |
| 253AA076084 | 76 | 3 | 84 | 10 | 150 | - | 1,290 | |
| 253AA090098 | 90 | 3 1/2 | 98 | 10 | 150 | - | 1,490 | |
| 253AA102110 | 102 | 4 | 110 | 10 | 150 | - | 1,780 | |
| 253AA127137 | 127 | 5 | 137 | 10 | 150 | - | 2,420 | |
| 253AA152162 | 152 | 6 | 162 | 10 | 150 | - | 2,990 | |
| 253AA168178 | 168 | 6 5/8 | 178 | 10 | 150 | - | 3,250 | |
| 253AA203215 | 203 | 8 | 215 | 10 | 150 | - | 4,310 | |
| 253AA254270 | 254 | 10 | 270 | 10 | 150 | - | 7,680 | |
| 253AA305319 | 305 | 12 | 319 | 10 | 150 | - | 8,870 | |

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APLICACIONES PESADAS - REGADÍO

Ref: **256 AA**



Aplicación: Aplicaciones pesadas - regadío (18bar).
Uso: Descarga de agua en aplicaciones pesadas. Especialmente diseñada para sistemas de riego de alta presión.
Tubo: EPDM negro.
Cubierta: EPDM negro - Resistente a la abrasión y el ozono.
Refuerzo: Cordones textiles de gran tenacidad.
Factor de seguridad: 2.5:1
Temperatura: -30°C / +80°C

Application: Water-irrigation (18 bar).
Use: Heavy duty water discharge. Specially designed for high pressure irrigation systems.
Tube: Black EPDM.
Cover: Black EPDM - abrasion and ozone resistant.
Reinforcement: High tensile textile cords.
Safety factor: 2.5:1
Temperature: -30°C / +80°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 256AA051061 | 51 | 2 | 61 | 18 | 270 | - | 1,070 | |
| 256AA060072 | 60 | 2 3/8 | 72 | 18 | 270 | - | 1,390 | |
| 256AA070082 | 70 | 2 3/4 | 82 | 18 | 270 | - | 1,610 | |
| 256AA076088 | 76 | 3 | 88 | 18 | 270 | - | 1,720 | |
| 256AA080092 | 80 | 3 1/8 | 92 | 18 | 270 | - | 1,880 | |
| 256AA090102 | 90 | 3 1/2 | 102 | 18 | 270 | - | 2,080 | |
| 256AA102114 | 102 | 4 | 114 | 18 | 270 | - | 2,360 | |
| 256AA120132 | 120 | 4 3/4 | 132 | 18 | 270 | - | 2,870 | |
| 256AA152168 | 152 | 6 | 168 | 18 | 270 | - | 4,920 | |

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| Pág. | Imagen / Referencia | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Max. | | Temp. (°C) | |
|-------------------------|---|---------------|--------------|--------------|------|------------|------|-------------|------------|
| | | Internal tube | Cover | min. | max. | bar. | psi. | min. / max. | |
| FRENOS | | | | | | | | | |
| 61 |  | J1401 | GOMA SINTÉT. | GOMA SINTÉT. | 3 | 5 | 16 | 276 | - |
| FRENOS DE TRENES | | | | | | | | | |
| 62 |  | 160 AA | SBR/NBR | SBR/NBR | 13 | 35 | 20 | 300 | -25 / +65 |
| RADIADOR | | | | | | | | | |
| 63 |  | 352 AA | EPDM | EPDM | 25 | 127 | 5 | 75 | -40 / +120 |

FRENOS DE TRENES

Ref: **160 AA**

Aplicación: Frenos de trenes. Vehículos.

Norma: BS 3682/1 AS 2435 UIC 830-1/V.

Uso: Acoplamientos y conductos de freno de aire comprimido para ferrocarriles.

Tube: SBR/NBR negro. Resistente a aceite pulverizado.

Cubierta: SBR/NBR negro. Resistente a la abrasión y ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: 4:1

Temperatura: -25 °C +65 °C.

Application: Train brakes. Vehicles.

Norm: BS 3682/1 AS 2435 UIC 830-1/V.

Use: Railway air brake.

Tube: Black SBR/NBR - oil mist resistant.

Cover: Black SBR/NBR - abrasion and ozone resistant.

Reinforcement: High tensile textile braids.

Safety factor: 4:1

Temperature: -25 °C +65 °C (-13 °F +150 °F)

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 160AA013025 | 13 | 1/2 | 25 | 20 | 300 | - | 0,460 | |
| 160AA020034 | 20 | 13/16 | 34 | 20 | 300 | - | 0,810 | |
| 160AA022036 | 22 | 7/8 | 36 | 20 | 300 | - | 0,880 | |
| 160AA028044 | 28 | 1 1/8 | 44 | 20 | 300 | - | 1,040 | |
| 160AA030046 | 30 | 1 3/16 | 46 | 20 | 300 | - | 1,100 | |
| 160AA035053 | 35 | 1 3/8 | 53 | 20 | 300 | - | 1,440 | |

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RADIADOR

Ref: **352 AA**

Aplicación: Radiador. Vehículos (5 bar).

Norma: Excede DIN 73411 SAE 20R1 D-2,

Uso: Radiador.

Tubo: EPDM negro.

Cubierta: EPDM negro - Resistente al calor, abrasión y ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: 3:1

Temperatura: -40 °C / +120 °C.



Application: Radiator. Vehicles (5 bar).

Norm: Exceeds DIN 73411 SAE 20R1 D-2.

Use: Radiator.

Tube: Black EPDM.

Cover: Black EPDM - heat, abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: 3:1

Temperature: -40 °C / +120 °C (-40 °F / +248 °F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 352AA013021 | 13 | 1/2 | 21 | 5 | 75 | - | 0,280 | |
| 352AA016024 | 16 | 5/8 | 24 | 5 | 75 | - | 0,330 | |
| 352AA020028 | 20 | 13/16 | 28 | 5 | 75 | - | 0,390 | |
| 352AA022030 | 22 | 7/8 | 30 | 5 | 75 | - | 0,420 | |
| 352AA025033 | 25 | 1 | 33 | 5 | 75 | - | 0,470 | |
| 352AA028036 | 28 | 1 1/8 | 36 | 5 | 75 | - | 0,510 | |
| 352AA030038 | 30 | 1 3/16 | 38 | 5 | 75 | - | 0,550 | |
| 352AA032040 | 32 | 1 1/4 | 40 | 5 | 75 | - | 0,580 | |
| 352AA035043 | 35 | 1 3/8 | 43 | 5 | 75 | - | 0,620 | |
| 352AA038048 | 38 | 1 1/2 | 48 | 5 | 75 | - | 0,860 | |
| 352AA040050 | 40 | 1 9/16 | 50 | 5 | 75 | - | 0,890 | |
| 352AA042052 | 42 | 1 5/8 | 52 | 5 | 75 | - | 0,930 | |
| 352AA045055 | 45 | 1 3/4 | 55 | 5 | 75 | - | 0,990 | |
| 352AA048058 | 48 | 1 7/8 | 58 | 5 | 75 | - | 1,050 | |
| 352AA051061 | 51 | 2 | 61 | 5 | 75 | - | 1,120 | |
| 352AA055065 | 55 | 2 1/6 | 65 | 5 | 75 | - | 1,190 | |
| 352AA057067 | 57 | 2 1/4 | 67 | 5 | 75 | - | 1,230 | |
| 352AA060070 | 60 | 2 3/8 | 70 | 5 | 75 | - | 1,290 | |
| 352AA063073 | 63 | 2 1/2 | 73 | 5 | 75 | - | 1,350 | |
| 352AA070080 | 70 | 2 3/4 | 80 | 5 | 75 | - | 1,450 | |
| 352AA076086 | 76 | 3 | 86 | 5 | 75 | - | 1,560 | |
| 352AA080090 | 80 | 3 1/8 | 90 | 5 | 75 | - | 1,640 | |
| 352AA090102 | 90 | 3 1/2 | 102 | 5 | 75 | - | 2,030 | |
| 352AA102114 | 102 | 4 | 114 | 5 | 75 | - | 2,270 | |
| 352AA110122 | 110 | 4 5/16 | 122 | 5 | 75 | - | 2,430 | |
| 352AA115127 | 115 | 4 1/2 | 127 | 5 | 75 | - | 2,530 | |
| 352AA127141 | 127 | 5 | 141 | 5 | 75 | - | 3,230 | |

| Pág. | Imagen / Referencia | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Max. | | Temp. (°C) | |
|-------------|---|---------------|----------------|-------------|------|------------|------|-------------|------------|
| | | Internal tube | Cover | min. | max. | bar. | psi. | min. / max. | |
| AIRE | | | | | | | | | |
| 65 |  | 185 AA | ESLASTÓMERO | ESLASTÓMERO | 6 | 25 | 20 | 300 | -10 / +60 |
| 66 |  | 155 AK | SBR/NBR | SBR | 13 | 102 | 20 | 300 | -30 / +80 |
| 67 |  | 155 AA | SBR/NBR | SBR | 19 | 152 | 20 | 300 | -30 / +80 |
| 68 |  | 140 AK | SBR | SBR | 13 | 102 | 40 | 600 | -30 / +80 |
| 69 |  | 142 AK | NBR (RMA c. A) | SBR/NBR | 51 | 76 | 40 | 600 | -40 / +120 |

AIRE COMPRIMIDO



Ref: 155 AK

Aplicación: Aire comprimido (20 bar).

Aplication: Compressed air (20 bar)..

Uso: Aire comprimido indicada en particular para aplicaciones severas.

Use: Compressed air designed for heavy duty applications.

Tubo: SBR/NBR negro. Resistente a aceite pulverizado.

Tube: Black SBR/NBR - oil mist resistant.

Cubierta: SBR amarillo - Resistente a la abrasión y el ozono.

Cover: Yellow SBR - abrasion and ozone resistant.

Refuerzo: Cordones textiles de gran tenacidad.

Reinforcement: High tensile textile cords.

Factor de seguridad: ≤ 51 mm 3:1 ≥ 63 mm 2,5:1

Safety factor: ≤ 51 mm 3:1 ≥ 63 mm 2,5:1

Temperatura: -30 °C / +80 °C (-22 °F / +176 °F).

Temperature: -30 °C / +80 °C (-22 °F / +176 °F),

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 155AK013021 | 13 | 1/2 | 21 | 20 | 300 | - | 0,320 | |
| 155AK019029 | 19 | 3/4 | 29 | 20 | 300 | - | 0,550 | |
| 155AK025035 | 25 | 1 | 35 | 20 | 300 | - | 0,690 | |
| 155AK032044 | 32 | 1 1/4 | 44 | 20 | 300 | - | 0,890 | |
| 155AK038050 | 38 | 1 1/2 | 50 | 20 | 300 | - | 1,030 | |
| 155AK051065 | 51 | 2 | 65 | 20 | 300 | - | 1,660 | |
| 155AK063079 | 63 | 2 1/2 | 79 | 20 | 300 | - | 2,300 | |
| 155AK076092 | 76 | 3 | 92 | 20 | 300 | - | 2,810 | |
| 155AK102118 | 102 | 4 | 118 | 20 | 300 | - | 3,680 | |

Notas:

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AIRE COMPRIMIDO

Ref: **155 AA**

Aplicación: Aire comprimido (20 bar).

Uso: Aire comprimido indicada en particular para aplicaciones severas.

Tubo: SBR/NBR negro. Resistente a aceite pulverizado.

Cubierta: SBR negro - Resistente a la abrasión y el ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: ≤ 51 mm 3:1 ≥ 55 mm 2,5:1

Temperatura: -30 °C +80 °C (-22 °F +176 °F)



Application: Compressed air (20 bar).

Use: Compressed air designed for heavy duty applications.

Tube: Black SBR/NBR - oil mist resistant.

Cover: Black SBR - abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: ≤ 51 mm 3:1 ≥ 55 mm 2,5:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 155AA019029 | 19 | 3/4 | 29 | 20 | 300 | - | 0,550 | |
| 155AA022032 | 22 | 7/8 | 32 | 20 | 300 | - | 0,620 | |
| 155AA025035 | 25 | 1 | 35 | 20 | 300 | - | 0,690 | |
| 155AA028038 | 28 | 1 1/8 | 38 | 20 | 300 | - | 0,790 | |
| 155AA030042 | 30 | 1 3/16 | 42 | 20 | 300 | - | 0,840 | |
| 155AA032044 | 32 | 1 1/4 | 44 | 20 | 300 | - | 0,880 | |
| 155AA035047 | 35 | 1 3/8 | 47 | 20 | 300 | - | 0,950 | |
| 155AA038050 | 38 | 1 1/2 | 50 | 20 | 300 | - | 1,030 | |
| 155AA040052 | 40 | 1 9/16 | 52 | 20 | 300 | - | 1,070 | |
| 155AA045057 | 45 | 1 3/4 | 57 | 20 | 300 | - | 1,200 | |
| 155AA048060 | 48 | 1 7/8 | 60 | 20 | 300 | - | 1,270 | |
| 155AA051065 | 51 | 2 | 65 | 20 | 300 | - | 1,330 | |
| 155AA055069 | 55 | 2 1/6 | 69 | 20 | 300 | - | 1,650 | |
| 155AA060076 | 60 | 2 3/8 | 76 | 20 | 300 | - | 1,760 | |
| 155AA063079 | 63 | 2 1/2 | 79 | 20 | 300 | - | 2,200 | |
| 155AA076092 | 76 | 3 | 92 | 20 | 300 | - | 2,290 | |
| 155AA090106 | 90 | 3 1/2 | 106 | 20 | 300 | - | 3,240 | |
| 155AA102118 | 102 | 4 | 118 | 20 | 300 | - | 3,660 | |
| 155AA152170 | 152 | 6 | 170 | 20 | 300 | - | 6,220 | |

Notas:

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AIRE COMPRIMIDO

Ref: **142 AK**



Aplicación: Aire comprimido (40 bar).
Uso: Aire comprimido a alta presión diseñado para aplicaciones de mina y canteras de servicio pesado donde se requiere una larga vida útil y máxima seguridad.
Tubo: Negro NBR (RMA clase A) - resistente a aceite pulverizado.
Cubierta: SBR / NBR amarillo - abrasión, ozono, hidrocarburo y resistente a las llamas.
Refuerzo: Mallas de acero de gran tenacidad.
Factor de seguridad: 4:1
Temperatura: -40 °C +120 °C (-40 °F +248 °F)

Application: Compressed air (40 bar).
Use: High pressure compressed air designed for heavy duty mine and quarry applications where long service life and maximum safety is required.
Tube: Black NBR (RMA Class A) - oil mist resistant
Cover: Yellow SBR/NBR - abrasion, ozone, hydrocarbon and flame resistant - pin pricked
Reinforcement: High tensile steel wire braids.
Safety factor: 4:1
Temperature: -40 °C +120 °C (-40 °F +248 °F)

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 142AK051064 | 51 | 2 | 64 | 40 | 600 | 255 | 1,910 | |
| 142AK076090 | 76 | 3 | 90 | 40 | 600 | 380 | 3,270 | |

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| Pág. | Imagen / Referencia | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Max. | | Temp. (°C) |
|------|---------------------|---------------|----------|-------------|------|------------|------|-------------|
| | | Internal tube | Cover | min. | max. | bar. | psi. | min. / max. |

SOLDADURA

| | | | | | | | | | |
|----|---|--------|-----|----------|---|----|----|-----|-----------|
| 71 |  | 076 AH | SBR | SBR/EPDM | 6 | 10 | 20 | 300 | -25 / +80 |
| 72 |  | 076 AE | SBR | SBR/EPDM | 6 | 10 | 20 | 300 | -25 / +80 |
| 72 |  | 076 EH | SBR | SBR/EPDM | 6 | 10 | 20 | 300 | -25 / +80 |
| 73 |  | 076 AI | NBR | SBR/EPDM | 6 | 10 | 20 | 300 | -30 / +80 |
| 73 |  | 076 EI | NBR | SBR/EPDM | 8 | 8 | 20 | 300 | -30 / +80 |

SOLDADURARef: **076 AE****Aplicación:** Gas y Soldadura.**Norma:** EN ISO 3821.**Uso:** Soldadura Oxígeno.**Tubo:** SBR negro.**Cubierta:** SBR/EPDM azul - Resistente a la abrasión y el ozono.**Refuerzo:** Cordones textiles de gran tenacidad.**Factor de seguridad:** 3:1**Temperatura:** -25°C / +80°C**Application:** Oxygen welding 20 bar.**Norm:** EN ISO 3821.**Use:** Oxygen welding**Tube:** Black SBR.**Cover:** Blue SBR/EPDM - abrasion and ozone resistant.**Reinforcement:** High tensile textile cords.**Safety factor:** 3:1**Temperature:** -25°C / +80°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 076AE006013 | 6 | 1/4 | 13 | 20 | 290 | 60 | 0,170 | |
| 076AE008015 | 8 | 5/16 | 15 | 20 | 290 | 80 | 0,200 | |
| 076AE010017 | 10 | 3/8 | 17 | 20 | 290 | 100 | 0,240 | |

SOLDADURARef: **076 EH****Aplicación:** Gas y soldadura.**Norma:** EN ISO 3821.**Uso:** Soldadura bitubo Oxígeno/Acetileno**Tubo:** SBR negro.**Cubierta:** SBR/EPDM azul y rojo - Resistente a la abrasión y el ozono.**Refuerzo:** Cordones textiles de gran tenacidad.**Factor de seguridad:** 3:1**Temperatura:** -25°C / +80°C**Application:** Oxygen/acetylene twin welding 20 bar.**Norm:** EN ISO 3821.**Use:** Oxygen/Acetylene twin welding**Tube:** Black SBR.**Cover:** Blue, red SBR/EPDM - abrasion and ozone resistant.**Reinforcement:** Synthetic textile.**Safety factor:** 3:1**Temperature:** -25°C / +80°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 076EH006013 | 6 | 1/4 | 13 | 20 | 290 | 80 | 0,300 | |
| 076EH006016 | 6+9 | 1/4+23/64 | 16 | 20 | 290 | 100 | 0,420 | |
| 076EH008015 | 8 | 5/16 | 15 | 20 | 290 | 80 | 0,410 | |
| 076EH010017 | 10 | 3/8 | 17 | 20 | 290 | 100 | 0,500 | |

Notas:

SOLDADURA

Ref: **076 AI**

Aplicación: Gas y soldadura.

Norma: EN ISO 3821.

Uso: Soldadura GPL.

Tubo: NBR negro.

Cubierta: SBR/EPDM naranja - Resistente a la abrasión y el ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: 3:1

Temperatura: -30°C / +80°C



Application: LPG welding 20 bar.

Norm: EN ISO 3821.

Use: LPG welding.

Tube: Black NBR.

Cover: Orange SBR/EPDM - abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: 3:1

Temperature: -30°C / +80°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 076AI006013 | 6 | 1/4 | 13 | 20 | 290 | 60 | 0,150 | |
| 076AI008015 | 8 | 5/16 | 15 | 20 | 290 | 80 | 0,180 | |
| 076AI010017 | 10 | 3/8 | 17 | 20 | 290 | 100 | 0,210 | |

SOLDADURA

Ref: **076 EI**

Aplicación: Gas y soldadura.

Norma: EN ISO 3821.

Uso: Soldadura bitubo Oxígeno/GPL.

Tubo: NBR negro.

Cubierta: SBR/ EPDM azul, naranja – resistente a la abrasión y al ozono.

Refuerzo: Cordones textiles de gran tenacidad.

Factor de seguridad: 3:1

Temperatura: -30°C / +80°C



Application: Oxygen/LPG twin welding 20 bar.

Norm: EN ISO 3821.

Use: Oxygen/LPG twin welding.

Tube: Black NBR.

Cover: Blue, orange SBR/EPDM - abrasion and ozone resistant.

Reinforcement: High tensile textile cords.

Safety factor: 3:1

Temperature: -30°C / +80°C

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 076EI008015 | 8 | 5/16 | 15 | 20 | 290 | 80 | 0,400 | |

Notas:

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


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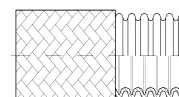
| Pág. | Imagen / Referencia | Tubo interior | Cubierta | Ø Int. (mm) | | Pres. Max. | | Temp. (°C) |
|------|---------------------|---------------|----------|-------------|------|------------|------|-------------|
| | | Internal tube | Cover | min. | max. | bar. | psi. | min. / max. |

SOLDADURA

| | | | | | | | | | |
|----|---|------|----------------------------------|--------------|----|-----|-------------|---|-------------|
| 30 |  | 7500 | AISI-316L | AISI-304 | 6 | 197 | 125 bar máx | | -200 / +550 |
| 31 |  | 7525 | AISI-321 | 2 x AISI-304 | 6 | 103 | 188 bar máx | | -200 / +550 |
| 80 |  | TAD | ACERO ZINCADO 7410010 | - | 15 | 300 | - | - | - |
| 81 |  | TXD | ACERO INOX. AISI-304/AISI-430 | - | 15 | 300 | - | - | - |

ACERO INOXIDABLE

Ref: 7500



Aplicación: Mangueras flexibles.

Ventajas:

- Adecuada para una amplia gama de temperaturas (desde -270°C hasta 700°C)
- Compensada para la contracción y expansión del sistema de tubería
- Gran resistencia física
- Ignífuga
- Amplia vida útil
- Resistente a la humedad
- Buenas características anti corrosión
- Resistente a la abrasión, penetración y daño
- Conecta tuberías rígidas mal alineadas, absorbiendo o amortiguando la vibración
- Es una opción flexible y rápida para tuberías rígidas en ubicaciones difíciles

Tubo interior: AISI-316L

Refuerzo: AISI-304

Factor de seguridad: 4:1

Temperatura: -270°C / +700°C (-454°F / +1292°F).

Application: Flexible hoses.

Advantages:

- Suitable for wide temperature range (-270°C to 700°C)
- Compensates for thermal expansion contraction in the piping system
- High physical strength
- Fire resistant
- Moisture resistant
- Longer Life
- Good corrosion characteristics
- Resistant to abrasion, penetration and damage
- Connects misaligned rigid piping absorbs or dampens vibration and similar equipments
- A flexible and quick option for rigid piping in difficult locations

Inner tube: AISI-316L

Reinforcement: AISI-304

Safety factor: 4:1

Temperature: -270°C / +700°C (-454°F / +1292°F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------|-------------------------------|-----------------|
| | DN | int (pulg/inch) | ext (mm) | bar | psi | mm | € |
| 7500-06 | 6,0 | 1/4 | 10,7 | 120 | 1740 | 85 | |
| 7500-10 | 10,1 | 3/8 | 15,5 | 90 | 1305 | 140 | |
| 7500-12 | 12,2 | 1/2 | 18,0 | 80 | 1160 | 140 | |
| 7500-16 | 16,4 | 5/8 | 23,0 | 70 | 1015 | 160 | |
| 7500-20 | 20,3 | 3/4 | 28,3 | 64 | 928 | 170 | |
| 7500-25 | 25,4 | 1 | 33,5 | 50 | 725 | 190 | |
| 7500-32 | 33,6 | 1 1/4 | 42,8 | 40 | 580 | 260 | |
| 7500-40 | 39,8 | 1 1/2 | 51,2 | 35 | 508 | 300 | |
| 7500-50 | 50,2 | 2 | 62,5 | 30 | 435 | 320 | |
| 7500-65 | 66,0 | 2 1/2 | 83,0 | 24 | 348 | 410 | |
| 7500-80 | 76,0 | 3 | 97,0 | 18 | 261 | 450 | |
| 7500-100 | 103,2 | 4 | 119,0 | 16 | 232 | 560 | |
| 7500-127 | 125,0 | 5 | 152,5 | 14 | 203 | 710 | |
| 7500-152 | 152,7 | 6 | 177,5 | 10 | 145 | 815 | |
| 7500-200 | 197,5 | 8 | 228,0 | 8 | 116 | 1015 | |

Estos valores de presión son para fluidos y temperatura ambiente de 20°C. Para temperaturas más altas aplique los factores de corrección que se indican en la siguiente tabla / La presión de rotura es 4 veces la presión máxima de trabajo

Factor de corrección / Correction factor

| Temp. °C | -200 | -150 | -100 | -50 | 0 | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.88 | 0.74 | 0.67 | 0.62 | 0.58 | 0.54 | 0.52 | 0.50 | 0.48 | 0.47 | 0.47 |

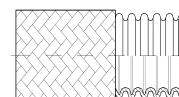
Ejemplo: Necesita un tubo flexible de acero inoxidable de 1-1/2" - 39,8 mm. con un fluido a una presión de 15 bar y a una temperatura de 300°C. Según la ficha de datos correspondiente la presión máxima de trabajo a 20°C es de 30 bar. Según la tabla de corrección, la presión máxima de trabajo a 300°C es: 30 x 0,54 = 16,2 bar. El tubo flexible seleccionado resulta por ello adecuado para la aplicación.

Normativa aplicable:

- DEP (Directiva Equipos a Presión) 2014/68/EU. Certificado N° 07-203-1409-HP-2064/15, por TUV NORD COMPANYY.
- Type Approval Lloyd's Register Company para el sector naval. Certificado N° 02/00098(E1) desde 2013.
- Soldadores homologados por Cesol, según EN9606-1 para diámetros desde 2" en adelante desde 2004.
- Cumplimiento de la norma UNE-EN-ISO 10380:2012 con cada uno de los montajes de tubos completos.

ACERO INOXIDABLE

Ref: 7525



Aplicación: Mangueras flexibles.

Ventajas:

- Adecuada para una amplia gama de temperaturas (desde -270°C hasta 700°C)
- Compensada para la contracción y expansión del sistema de tubería
- Gran resistencia física
- Ignífuga
- Amplia vida útil
- Resistente a la humedad
- Buenas características anti corrosión
- Resistente a la abrasión, penetración y daño
- Conecta tuberías rígidas mal alineadas, absorbiendo o amortiguando la vibración
- Es una opción flexible y rápida para tuberías rígidas en ubicaciones difíciles

Tubo interior: AISI-321

Refuerzo: 2 mallas AISI-304

Factor de seguridad: 4:1

Temperatura: -270°C / +700°C (-454°F / +1292°F).

Application: Flexible hoses.

Advantages:

- Suitable for wide temperature range (-270°C to 700°C)
- Compensates for thermal expansion contraction in the piping system
- High physical strength
- Fire resistant
- Moisture resistant
- Longer Life
- Good corrosion characteristics
- Resistant to abrasion, penetration and damage
- Connects misaligned rigid piping absorbs or dampens vibration and similar equipments
- A flexible and quick option for rigid piping in difficult locations

Inner tube: AISI-321

Reinforcement: 2 braids AISI-304

Safety factor: 4:1

Temperature: -270°C / +700°C (-454°F / +1292°F).

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|------|-------------------------------|-----------------|
| | DN | int (pulg/inch) | ext (mm) | bar | psi | mm | € |
| 7525-06 | 6,0 | 1/4 | 12,0 | 192 | 2785 | 85 | |
| 7525-10 | 10,1 | 3/8 | 16,7 | 144 | 2088 | 140 | |
| 7525-12 | 12,2 | 1/2 | 19,1 | 128 | 1856 | 140 | |
| 7525-16 | 16,4 | 5/8 | 24,4 | 112 | 1625 | 160 | |
| 7525-20 | 20,3 | 3/4 | 29,8 | 102 | 1480 | 170 | |
| 7525-25 | 25,4 | 1 | 35,2 | 80 | 1160 | 190 | |
| 7525-32 | 33,6 | 1 1/4 | 44,3 | 64 | 928 | 260 | |
| 7525-40 | 39,8 | 1 1/2 | 52,7 | 56 | 812 | 300 | |
| 7525-50 | 50,2 | 2 | 64,3 | 48 | 1045 | 320 | |
| 7525-65 | 66,0 | 2 1/2 | 85,0 | 38 | 550 | 410 | |
| 7525-80 | 76,0 | 3 | 99,0 | 29 | 420 | 450 | |
| 7525-100 | 103,2 | 4 | 121,5 | 26 | 377 | 560 | |

Estos valores de presión son para fluidos y temperatura ambiente de 20°C. Para temperaturas más altas aplique los factores de corrección que se indican en la siguiente tabla / La presión de rotura es 4 veces la presión máxima de trabajo

Factor de corrección / Correction factor

| Temp. °C | -200 | -150 | -100 | -50 | 0 | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.88 | 0.74 | 0.67 | 0.62 | 0.58 | 0.54 | 0.52 | 0.50 | 0.48 | 0.47 | 0.47 |

Ejemplo: Necesita un tubo flexible de acero inoxidable de 1-1/2" - 39,8 mm. con un fluido a una presión de 15 bar y a una temperatura de 300°C. Según la ficha de datos correspondiente la presión máxima de trabajo a 20°C es de 30 bar. Según la tabla de corrección, la presión máxima de trabajo a 300°C es: $30 \times 0,54 = 16,2$ bar

El tubo flexible seleccionado resulta por ello adecuado para la aplicación.

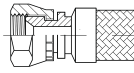
Normativa aplicable:

- DEP (Directiva Equipos a Presión) 2014/68/EU. Certificado N° 07-203-1409-HP-2064/15, por TUV NORD COMPANYY.
- Type Approval Lloyd's Register Company para el sector naval. Certificado N° 02/00098(E1) desde 2013.
- Soldadores homologados por Cesol, según EN9606-1 para diámetros desde 2" en adelante desde 2004.
- Cumplimiento de la norma UNE-EN-ISO 10380:2012 con cada uno de los montajes de tubos completos.

Terminales para soldar en manguera de acero inoxidable

Tuerca giratoria

Swivel nut



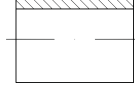
Disponible en:
- Acero carbono
- Acero inoxidable

Available in:
- Carbon steel
- Stainless steel

| ROSCA JIC Thread JIC | REF. | Precio / Price € | |
|-------------------------|-----------|------------------|---------|
| | | A.CARB. | A.INOX. |
| 7/16"-20h | 769-04-04 | BD | BD |
| 1/2"-20h | 769-05-05 | | |
| 9/16"-18h | 769-06-06 | | |
| 3/4"-16h | 769-08-08 | | |
| 7/8"-14h | 769-10-10 | | |
| 1 1/16"-12h | 769-12-12 | | |
| 1 5/16"-12h | 769-16-16 | | |
| 1 5/8"-12h | 769-20-20 | | |
| 1 7/8"-12h | 769-24-24 | | |
| 2 1/2"-12h | 769-32-32 | | |

Casquillos

Nipples

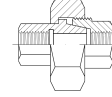


Disponible en:
- Acero inoxidable
Available in:
- Stainless steel

| Ø Mang. Ø Hose | REF. | Precio Price € |
|-------------------|-----------|-------------------|
| 6 | 41708-06 | |
| 10 | 41708-10 | |
| 13 | 41708-13 | |
| 19 | 41708-19 | |
| 25 | 41708-25 | |
| 32 | 41708-32 | |
| 38 | 41708-38 | |
| 51 | 41708-50 | |
| 64 | 41708-64 | |
| 76 | 41708-76 | |
| 102 | 41708-100 | |
| 125 | 41708-127 | |
| 150 | 41708-152 | |

Enlace hembra

Female link



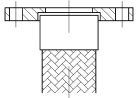
Disponible en:
- Acero carbono
- Acero inoxidable

Available in:
- Carbon steel
- Stainless steel

| ROSCA BSP Thread BSP | REF. | Precio / Price € | |
|-------------------------|--------|------------------|---------|
| | | A.CARB. | A.INOX. |
| 1/4"-19h | 340-04 | | |
| 3/8"-19h | 340-06 | | |
| 1/2"-14h | 340-08 | | |
| 3/4"-14h | 340-12 | | |
| 1"-11h | 340-16 | | |
| 1 1/4"-11h | 340-20 | | |
| 1 1/2"-11h | 340-24 | | |
| 2"-11h | 340-32 | | |

Brida fija DIN PN16

Fix flange DIN PN16



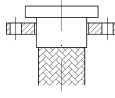
Disponible en:
- Acero carbono
- AISI 304
- AISI 316

Available in:
- Carbon steel
- AISI 304
- AISI 316

| DN | REF. | Precio / Price € | | |
|--------|----------|------------------|----------|----------|
| | | A.CARB. | AISI 304 | AISI 316 |
| 1/2" | 2633-13 | | | |
| 3/4" | 2633-19 | | | |
| 1" | 2633-25 | | | |
| 1 1/4" | 2633-32 | | | |
| 1 1/2" | 2633-38 | | | |
| 2" | 2633-50 | | | |
| 2 1/2" | 2633-64 | | | |
| 3" | 2633-76 | | | |
| 4" | 2633-100 | | | |
| 5" | 2633-125 | | | |
| 6" | 2633-150 | | | |

Brida giratoria DIN

Swivel flange DIN



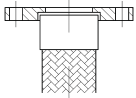
Disponible en:
- Acero carbono
- AISI 304
- AISI 316

Available in:
- Carbon steel
- AISI 304
- AISI 316

| DN | REF. | Precio / Price € | | |
|--------|----------------------|------------------|----------|----------|
| | | A.CARB. | AISI 304 | AISI 316 |
| 1/2" | 2576-13 + 43508-13 | | | |
| 3/4" | 2576-19 + 43508-19 | | | |
| 1" | 2576-25 + 43508-25 | | | |
| 1 1/4" | 2576-32 + 43508-32 | | | |
| 1 1/2" | 2576-38 + 43508-38 | | | |
| 2" | 2576-50 + 43508-50 | | | |
| 2 1/2" | 2576-64 + 43508-64 | | | |
| 3" | 2576-76 + 43508-76 | | | |
| 4" | 2576-100 + 43508-100 | | | |
| 5" | 2576-127 + 43508-127 | | | |
| 6" | 2576-152 + 43508-150 | | | |

Brida fija ASA 150 Lbs

Fix flange ASA 150 Lbs



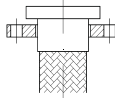
Disponible en:
- Acero carbono
- AISI 304
- AISI 316

Available in:
- Carbon steel
- AISI 304
- AISI 316

| DN | REF. | Precio / Price € | | |
|--------|-----------|------------------|----------|----------|
| | | A.CARB. | AISI 304 | AISI 316 |
| 1/2" | 43628/150 | | | |
| 3/4" | 43629/150 | | | |
| 1" | 43630/150 | | | |
| 1 1/4" | 43631/150 | | | |
| 1 1/2" | 43632/150 | | | |
| 2" | 43633/150 | | | |
| 2 1/2" | 43634/150 | | | |
| 3" | 43635/150 | | | |
| 4" | 43636/150 | | | |

Brida giratoria ASA 150 Lbs

Swivel flange ASA 150 Lbs



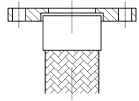
Disponible en:
- Acero carbono
- AISI 304
- AISI 316

Available in:
- Carbon steel
- AISI 304
- AISI 316

| DN | REF. | Precio / Price € | | |
|--------|-----------------------|------------------|----------|----------|
| | | A.CARB. | AISI 304 | AISI 316 |
| 1/2" | 43619/150 + 43508-13 | | | |
| 3/4" | 43620/150 + 43508-19 | | | |
| 1" | 43621/150 + 43508-25 | | | |
| 1 1/4" | 43622/150 + 43508-32 | | | |
| 1 1/2" | 43623/150 + 43508-38 | | | |
| 2" | 43624/150 + 43508-50 | | | |
| 2 1/2" | 43625/150 + 43508-64 | | | |
| 3" | 43626/150 + 43508-76 | | | |
| 4" | 43627/150 + 43508-100 | | | |

Brida fija ASA 300 Lbs

Fix flange ASA 300 Lbs



Disponible en:
- Acero carbono
- AISI 304
- AISI 316

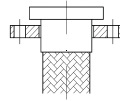
Available in:
- Carbon steel
- AISI 304
- AISI 316

Precio / Price €

| DN | REF. | A.CARB. | AISI 304 | AISI 316 |
|--------|-----------|---------|----------|----------|
| 1/2" | 43628/300 | | | |
| 3/4" | 43629/300 | | | |
| 1" | 43630/300 | | | |
| 1 1/4" | 43631/300 | | | |
| 1 1/2" | 43632/300 | | | |
| 2" | 43633/300 | | | |
| 2 1/2" | 43634/300 | | | |
| 3" | 43635/300 | | | |
| 4" | 43636/300 | | | |

Brida giratoria ASA 300 Lbs

Swivel flange ASA 300 Lbs



Disponible en:
- Acero carbono
- AISI 304
- AISI 316

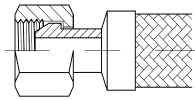
Available in:
- Carbon steel
- AISI 304
- AISI 316

Precio / Price €

| DN | REF. | A.CARB. | AISI 304 | AISI 316 |
|--------|-----------------------|---------|----------|----------|
| 1/2" | 43619/300 + 43508-13 | | | |
| 3/4" | 43620/300 + 43508-19 | | | |
| 1" | 43621/300 + 43508-25 | | | |
| 1 1/4" | 43622/300 + 43508-32 | | | |
| 1 1/2" | 43623/300 + 43508-38 | | | |
| 2" | 43624/300 + 43508-50 | | | |
| 2 1/2" | 43625/300 + 43508-64 | | | |
| 3" | 43626/300 + 43508-76 | | | |
| 4" | 43627/300 + 43508-100 | | | |

Tuerca giratoria

Swivel nut



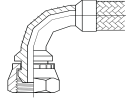
Disponible en:
- Acero carbono
- Acero inoxidable

Available in:
- Carbon steel
- Stainless steel

| ROSCA BSP Thread BSP | REF. BOQUILLA | REF. TUERCA | A.CARB | A.INOX. |
|-------------------------|------------------|----------------|--------|---------|
| 1/4"-19h | 631-04-04 | 630-04-04 | | |
| 3/8"-19h | 631-06-06 | 630-06-06 | | |
| 1/2"-14h | 631-08-08 | 630-08-08 | | |
| 3/4"-14h | 631-12-12 | 630-12-12 | | |
| 1"-11h | 631-16-16 | 630-16-16 | | |
| 1 1/4"-11h | 631-20-20 | 630-20-20 | | |
| 1 1/2"-11h | 631-24-24 | 630-24-24 | | |
| 2"-11h | 631-32-32 | 630-32-32 | | |
| 2 1/2"-11h" | 631-40-40 | 630-40-40 | | |
| 3"-11h | 631-48-48 | 630-48-48 | | |
| 4"-11h | 631-64-64 | 630-64-64 | | |

Tuerca giratoria 90°

Swivel 90° nut



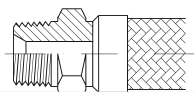
Disponible en:
- Acero carbono
- Acero inoxidable

Available in:
- Carbon steel
- Stainless steel

| ROSCA BSP Thread BSP | REF. | A.CARB | A.INOX. |
|-------------------------|-----------|--------|---------|
| 1/4"-19h | 600-04-04 | | |
| 3/8"-19h | 600-06-06 | | |
| 1/2"-14h | 600-08-08 | | |
| 3/4"-14h | 600-12-12 | | |
| 1"-11h | 600-16-16 | | |
| 1 1/4"-11h | 600-20-20 | | |
| 1 1/2"-11h | 600-24-24 | | |
| 2"-11h | 600-32-32 | | |

Macho cónico

Conical Male



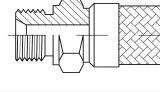
Disponible en:
- Acero carbono
- Acero inoxidable

Available in:
- Carbon steel
- Stainless steel

| ROSCA BSPT Thread BSPT | ROSCA NPT Thread NPT | REF. BSPT | REF. NPT | A.CARB | A.INOX. |
|---------------------------|-------------------------|-----------|-----------|--------|---------|
| 1/4"-19h | 1/4"-18h | 668-04-04 | 768-04-04 | | |
| 3/8"-19h | 3/8"-18h | 668-06-06 | 768-06-06 | | |
| 1/2"-14h | 1/2"-14h | 668-08-08 | 768-08-08 | | |
| 3/4"-14h | 3/4"-14h | 668-12-12 | 768-12-12 | | |
| 1"-11h | 1"-11,5h | 668-16-16 | 768-16-16 | | |
| 1 1/4"-11h | 1 1/4"-11,5h | 668-20-20 | 768-20-20 | | |
| 1 1/2"-11h | 1 1/2"-11,5h | 668-24-24 | 768-24-24 | | |
| 2"-11h | 2"-11,5h | 668-32-32 | 768-32-32 | | |
| 2 1/2"-11h" | 2 1/2"-8h | 668-40-40 | 768-40-40 | | |
| 3"-11h | 3"-8h | 668-48-48 | 768-48-48 | | |
| 4"-11h | 4"-8h | 668-64-64 | 768-64-64 | | |

Macho cilíndrico

Cylindrical Male



Disponible en:
- Acero carbono
- Acero inoxidable

Available in:
- Carbon steel
- Stainless steel

| ROSCA BSP Thread BSP | REF. | A.CARB | A.INOX. |
|-------------------------|-----------|--------|---------|
| 1/4"-19h | 666-04-04 | | |
| 3/8"-19h | 666-06-06 | | |
| 1/2"-14h | 666-08-08 | | |
| 3/4"-14h | 666-12-12 | | |
| 1"-11h | 666-16-16 | | |
| 1 1/4"-11h | 666-20-20 | | |
| 1 1/2"-11h | 666-24-24 | | |
| 2"-11h | 666-32-32 | | |
| 2 1/2"-11h | 666-40-40 | | |
| 3"-11h | 666-48-48 | | |
| 4" | 666-64-64 | | |

Notas:

A series of horizontal dotted lines for writing notes.

TUBO METÁLICO FLEXIBLE

Ref: TAD

Uso: Tubo metálico flexible con doble engatillado. Para descargas de gas, protecciones y revestimientos de cable eléctrico, cable telefónico, instrumentación de abordo, fibras ópticas, etc.

Tubo: Acero zincado 7410010.



Use: Flexible metal tube with double locked seam. For gas discharge, protection and electric cable coverings, telephone cable, board instrumentation, optical fibers, etc.

Tube: Zinc plated steel 7410010

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 8410-015 | 15 | - | 18 | - | - | 55 | 0,22 | |
| 8410-018 | 18 | - | 21 | - | - | 65 | 0,26 | |
| 8410-020 | 20 | - | 25 | - | - | 70 | 0,51 | |
| 8410-022 | 22 | - | 27 | - | - | 77 | 0,55 | |
| 8410-025 | 25 | - | 30 | - | - | 86 | 0,62 | |
| 8410-028 | 28 | - | 33 | - | - | 95 | 0,69 | |
| 8410-030 | 30 | - | 35 | - | - | 102 | 0,73 | |
| 8410-032 | 32 | - | 37 | - | - | 108 | 0,78 | |
| 8410-035 | 35 | - | 40 | - | - | 117 | 0,84 | |
| 8410-038 | 38 | - | 43 | - | - | 127 | 0,91 | |
| 8410-040 | 40 | - | 45 | - | - | 163 | 1,10 | |
| 8410-042 | 42 | - | 47 | - | - | 171 | 1,15 | |
| 8410-045 | 45 | - | 50 | - | - | 182 | 1,23 | |
| 8410-048 | 48 | - | 53 | - | - | 194 | 1,31 | |
| 8410-050 | 50 | - | 55 | - | - | 201 | 1,36 | |
| 8410-055 | 55 | - | 60 | - | - | 221 | 1,49 | |
| 8410-060 | 60 | - | 65 | - | - | 240 | 1,62 | |
| 8410-065 | 65 | - | 70 | - | - | 259 | 1,75 | |
| 8410-070 | 70 | - | 75 | - | - | 278 | 1,88 | |
| 8410-075 | 75 | - | 80 | - | - | 297 | 2,01 | |
| 8410-080 | 80 | - | 85 | - | - | 316 | 2,14 | |
| 8410-085 | 85 | - | 90 | - | - | 336 | 2,27 | |
| 8410-090 | 90 | - | 95 | - | - | 355 | 2,40 | |
| 8410-095 | 95 | - | 100 | - | - | 374 | 2,53 | |
| 8410-100 | 100 | - | 105 | - | - | 393 | 2,66 | |
| 8410-105 | 105 | - | 110 | - | - | 412 | 2,79 | |
| 8410-110 | 110 | - | 115 | - | - | 431 | 2,92 | |
| 8410-115 | 115 | - | 120 | - | - | 451 | 3,05 | |
| 8410-120 | 120 | - | 125 | - | - | 470 | 3,17 | |
| 8410-125 | 125 | - | 130 | - | - | 489 | 3,30 | |
| 8410-130 | 130 | - | 135 | - | - | 508 | 3,43 | |
| 8410-135 | 135 | - | 140 | - | - | 527 | 3,56 | |
| 8410-140 | 140 | - | 145 | - | - | 546 | 3,69 | |
| 8410-145 | 145 | - | 150 | - | - | 566 | 3,82 | |
| 8410-150 | 150 | - | 155 | - | - | 585 | 3,95 | |
| 8410-160 | 160 | - | 165 | - | - | 696 | 5,43 | |
| 8410-170 | 170 | - | 175 | - | - | 739 | 5,76 | |
| 8410-180 | 180 | - | 185 | - | - | 782 | 6,10 | |
| 8410-200 | 200 | - | 205 | - | - | 867 | 6,76 | |
| 8410-250 | 250 | - | 255 | - | - | 1081 | 8,43 | |
| 8410-275 | 275 | - | 280 | - | - | 1188 | 9,27 | |
| 8410-300 | 300 | - | 307 | - | - | 1300 | 10,14 | |

TUBO METÁLICO FLEXIBLE

Ref: TXD



Uso: Tubo metálico flexible con doble engatillado. Para descargas de gas, protecciones y revestimientos de cable eléctrico, cable telefónico, instrumentación de abordo, fibras ópticas, etc.

Use: Flexible metal tube with double locked seam. For gas discharge, protection and electric cable coverings, telephone cable, board instrumentation, optical fibers, etc.

Tubo: Acero inoxidable AISI-304 / AISI-430.

Tube: Stainless steel AISI-304 / AISI-430

| Referencia Reference | Diámetro Diameter | | | Presión de trabajo Working pressure | | Radio curvat. Curve radius | Peso Weight | Precio Price |
|-------------------------|----------------------|-----------------|----------|--|-----|-------------------------------|----------------|-----------------|
| | int (mm) | int (pulg/inch) | ext (mm) | bar | psi | mm | kg/m | € |
| 8520-015 | 15 | - | 18 | - | - | 55 | 0,22 | |
| 8520-020 | 20 | - | 24,8 | - | - | 70 | 0,50 | |
| 8520-025 | 25 | - | 29,8 | - | - | 86 | 0,62 | |
| 8520-028 | 28 | - | 32,8 | - | - | 95 | 0,68 | |
| 8520-030 | 30 | - | 34,4 | - | - | 101 | 0,73 | |
| 8520-032 | 32 | - | 36,8 | - | - | 108 | 0,77 | |
| 8520-035 | 35 | - | 40 | - | - | 144 | 0,97 | |
| 8520-038 | 38 | - | 43 | - | - | 155 | 1,05 | |
| 8520-040 | 40 | - | 45 | - | - | 163 | 1,10 | |
| 8520-042 | 42 | - | 47 | - | - | 171 | 1,15 | |
| 8520-045 | 45 | - | 50 | - | - | 182 | 1,23 | |
| 8520-048 | 48 | - | 53 | - | - | 194 | 1,31 | |
| 8520-050 | 50 | - | 55 | - | - | 201 | 1,36 | |
| 8520-055 | 55 | - | 60 | - | - | 221 | 1,49 | |
| 8520-060 | 60 | - | 65 | - | - | 240 | 1,62 | |
| 8520-062 | 62 | - | 67 | - | - | 247 | 1,67 | |
| 8520-065 | 65 | - | 70 | - | - | 259 | 1,75 | |
| 8520-070 | 70 | - | 75 | - | - | 278 | 1,88 | |
| 8520-075 | 75 | - | 80 | - | - | 297 | 2,01 | |
| 8520-080 | 80 | - | 85 | - | - | 316 | 2,14 | |
| 8520-085 | 85 | - | 90 | - | - | 336 | 2,27 | |
| 8520-090 | 90 | - | 95 | - | - | 355 | 2,40 | |
| 8520-095 | 95 | - | 100 | - | - | 374 | 2,53 | |
| 8520-100 | 100 | - | 105 | - | - | 393 | 2,66 | |
| 8520-105 | 105 | - | 110 | - | - | 412 | 2,79 | |
| 8520-110 | 110 | - | 115 | - | - | 431 | 2,92 | |
| 8520-115 | 115 | - | 120 | - | - | 451 | 3,05 | |
| 8520-120 | 120 | - | 125 | - | - | 470 | 3,17 | |
| 8520-125 | 125 | - | 130 | - | - | 489 | 3,30 | |
| 8520-130 | 130 | - | 135 | - | - | 508 | 3,43 | |
| 8520-135 | 135 | - | 140 | - | - | 527 | 3,56 | |
| 8520-140 | 140 | - | 145 | - | - | 546 | 3,69 | |
| 8520-145 | 145 | - | 150 | - | - | 566 | 3,82 | |
| 8520-150 | 150 | - | 155 | - | - | 585 | 3,95 | |
| 8520-160 | 160 | - | 165 | - | - | 696 | 5,43 | |
| 8520-170 | 170 | - | 175 | - | - | 739 | 5,76 | |
| 8520-180 | 180 | - | 185 | - | - | 782 | 6,10 | |
| 8520-200 | 200 | - | 205 | - | - | 867 | 6,76 | |
| 8520-250 | 250 | - | 255 | - | - | 1081 | 8,43 | |
| 8520-275 | 275 | - | 280 | - | - | 1188 | 9,27 | |
| 8520-300 | 300 | - | 307 | - | - | 1300 | 10,14 | |



Tipo A. Acoplamiento. Hembra BSP

| Referencia Reference | Pulg. Inch | Tipo Type | DN (mm) | Aluminio Aluminum | Aisi-316 | Bronce |
|-------------------------|---------------|--------------|------------|----------------------|----------|--------|
| 5013-12-# | 1/2 | BSP | 13 | | | |
| 5013-20-# | 3/4 | BSP | 19 | | | |
| 5013-25-# | 1 | BSP | 25 | | | |
| 5013-32-# | 1 1/4 | BSP | 32 | | | |
| 5013-40-# | 1 1/2 | BSP | 38 | | | |
| 5013-50-# | 2 | BSP | 51 | | | |
| 5013-65-# | 2 1/2 | BSP | 63 | | | |
| 5013-75-# | 3 | BSP | 76 | | | |
| 5013-100-# | 4 | BSP | 102 | | | |
| 5013-127-# | 5 | BSP | 127 | | | |
| 5013-152-# | 6 | BSP | 152 | | | |



Tipo B. Acoplamiento. Macho BSPT

| Referencia Reference | Pulg. Inch | Tipo Type | DN (mm) | Aluminio Aluminum | Aisi-316 | Bronce |
|-------------------------|---------------|--------------|------------|----------------------|----------|--------|
| 5024-12-# | 1/2 | BSPT | 13 | | | |
| 5024-20-# | 3/4 | BSPT | 19 | | | |
| 5024-25-# | 1 | BSPT | 25 | | | |
| 5024-32-# | 1 1/4 | BSPT | 32 | | | |
| 5024-40-# | 1 1/2 | BSPT | 38 | | | |
| 5024-50-# | 2 | BSPT | 51 | | | |
| 5024-65-# | 2 1/2 | BSPT | 63 | | | |
| 5024-75-# | 3 | BSPT | 76 | | | |
| 5024-100-# | 4 | BSPT | 102 | | | |
| 5024-127-# | 5 | BSPT | 127 | | | |
| 5024-152-# | 6 | BSPT | 152 | | | |



Tipo C. Acoplamiento mangueras

| Referencia Reference | Tubo / Tube | | Precio / Price € | | |
|-------------------------|---------------|------------|----------------------|----------|--------|
| | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi-316 | Bronce |
| 5022-12-# | 1/2 | 13 | | | |
| 5022-20-# | 3/4 | 19 | | | |
| 5022-25-# | 1 | 25 | | | |
| 5022-32-# | 1 1/4 | 32 | | | |
| 5022-40-# | 1 1/2 | 38 | | | |
| 5022-50-# | 2 | 51 | | | |
| 5022-65-# | 2 1/2 | 63 | | | |
| 5022-75-# | 3 | 76 | | | |
| 5022-100-# | 4 | 102 | | | |
| 5022-127-# | 5 | 127 | | | |
| 5022-152-# | 6 | 152 | | | |



Tipo D. Acoplamiento. Hembra BSP

| Referencia Reference | Rosca / Thread | | Tubo / Tube | | Precio / Price € | | |
|-------------------------|----------------|--------------|---------------|------------|----------------------|----------|--------|
| | Pulg. Inch | Tipo Type | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi-316 | Bronce |
| 5023-12-# | 1/2 | BSP | 1/2 | 13 | | | |
| 5023-20-# | 3/4 | BSP | 3/4 | 19 | | | |
| 5023-25-# | 1 | BSP | 1 | 25 | | | |
| 5023-32-# | 1 1/4 | BSP | 1 1/4 | 32 | | | |
| 5023-40-# | 1 1/2 | BSP | 1 1/2 | 38 | | | |
| 5023-50-# | 2 | BSP | 2 | 51 | | | |
| 5023-65-# | 2 1/2 | BSP | 2 1/2 | 63 | | | |
| 5023-75-# | 3 | BSP | 3 | 76 | | | |
| 5023-100-# | 4 | BSP | 4 | 102 | | | |
| 5023-127-# | 5 | BSP | 5 | 127 | | | |
| 5023-152-# | 6 | BSP | 6 | 152 | | | |



Tipo E. Acoplamiento mangueras

| Referencia Reference | Tubo / Tube | | Aluminio Aluminum | Aisi-316 | Bronce |
|-------------------------|---------------|------------|----------------------|----------|--------|
| | Pulg. Inch | DN (mm) | | | |
| 5012-12-# | 1/2 | 13 | | | |
| 5012-20-# | 3/4 | 19 | | | |
| 5012-25-# | 1 | 25 | | | |
| 5012-32-# | 1 1/4 | 32 | | | |
| 5012-40-# | 1 1/2 | 38 | | | |
| 5012-50-# | 2 | 51 | | | |
| 5012-65-# | 2 1/2 | 63 | | | |
| 5012-75-# | 3 | 76 | | | |
| 5012-100-# | 4 | 102 | | | |
| 5012-127-# | 5 | 127 | | | |
| 5012-152-# | 6 | 152 | | | |



Tipo F. Acoplamiento. Macho BSPT

| Referencia Reference | Rosca / Thread | | Tubo / Tube | | Aluminio Aluminum | Aisi-316 | Bronce |
|-------------------------|----------------|--------------|---------------|------------|----------------------|----------|--------|
| | Pulg. Inch | Tipo Type | Pulg. Inch | DN (mm) | | | |
| 5014-12-# | 1/2 | BSPT | 1/2 | 13 | | | |
| 5014-20-# | 3/4 | BSPT | 3/4 | 19 | | | |
| 5014-25-# | 1 | BSPT | 1 | 25 | | | |
| 5014-32-# | 1 1/4 | BSPT | 1 1/4 | 32 | | | |
| 5014-40-# | 1 1/2 | BSPT | 1 1/2 | 38 | | | |
| 5014-50-# | 2 | BSPT | 2 | 51 | | | |
| 5014-65-# | 2 1/2 | BSPT | 2 1/2 | 63 | | | |
| 5014-75-# | 3 | BSPT | 3 | 76 | | | |
| 5014-100-# | 4 | BSPT | 4 | 102 | | | |
| 5014-127-# | 5 | BSPT | 5 | 127 | | | |
| 5014-152-# | 6 | BSPT | 6 | 152 | | | |



Tipo DC. Tapón

| Referencia Reference | Rosca / Thread | | Aluminio Aluminum | Aisi-316 | Bronce |
|-------------------------|----------------|--------------|----------------------|----------|--------|
| | Pulg. Inch | Tipo Type | | | |
| 5017-12-# | 1/2 | BSP | | | |
| 5017-20-# | 3/4 | BSP | | | |
| 5017-25-# | 1 | BSP | | | |
| 5017-32-# | 1 1/4 | BSP | | | |
| 5017-40-# | 1 1/2 | BSP | | | |
| 5017-50-# | 2 | BSP | | | |
| 5017-65-# | 2 1/2 | BSP | | | |
| 5017-75-# | 3 | BSP | | | |
| 5017-100-# | 4 | BSP | | | |
| 5017-127-# | 5 | BSP | | | |
| 5017-152-# | 6 | BSP | | | |



Tipo DP. Tapón

| Referencia Reference | Rosca / Thread | | Aluminio Aluminum | Aisi-316 | Bronce |
|-------------------------|----------------|--------------|----------------------|----------|--------|
| | Pulg. Inch | Tipo Type | | | |
| 5019-12-# | 1/2 | BSP | | | |
| 5019-20-# | 3/4 | BSP | | | |
| 5019-25-# | 1 | BSP | | | |
| 5019-32-# | 1 1/4 | BSP | | | |
| 5019-40-# | 1 1/2 | BSP | | | |
| 5019-50-# | 2 | BSP | | | |
| 5019-65-# | 2 1/2 | BSP | | | |
| 5019-75-# | 3 | BSP | | | |
| 5019-100-# | 4 | BSP | | | |
| 5019127-# | 5 | BSP | | | |
| 5019152-# | 6 | BSP | | | |



Junta NBR para Camlock

| Referencia Reference | Rosca / Thread | Precio Price |
|-------------------------|----------------|-----------------|
| | Pulg. Inch | |
| 5030-12 | 1/2 | |
| 5030-20 | 3/4 | |
| 5030-25 | 1 | |
| 5030-32 | 1 1/4 | |
| 5030-38 | 1 1/2 | |
| 5030-50 | 2 | |
| 5030-65 | 2 1/2 | |
| 5030-75 | 3 | |
| 5030-100 | 4 | |



Guillemin. Para mangueras con cierre

| Referencia Reference | DN (mm) | PM (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|------------|------------|----------------------|---------|
| 1300-040040-# | 40 | 40 | | |
| 1300-045040-# | 40 | 45 | | |
| 1300-050050-# | 50 | 50 | | |
| 1300-055050-# | 50 | 55 | | |
| 1300-065065-# | 65 | 65 | | |
| 1300-070065-# | 65 | 70 | | |
| 1300-075080-# | 80 | 75 | | |
| 1300-080080-# | 80 | 80 | | |
| 1300-090080-# | 80 | 90 | | |
| 1300-100100-# | 100 | 100 | | |



Guillemin. Reducción con cierre

| Referencia Reference | DN (mm) | PM (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|------------|------------|----------------------|---------|
| 1191-050065-# | 65 | 50 | | |
| 1191-065080-# | 80 | 65 | | |
| 1191-080100-# | 100 | 80 | | |



**Guillemin. Rosca hembra con cierre.
Tipo / Type : BSP**

| Referencia Reference | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|---------------|------------|----------------------|---------|
| 1306-040040-# | 1 1/2 | 40 | | |
| 1306-050050-# | 2 | 50 | | |
| 1306-065065-# | 2 1/2 | 65 | | |
| 1306-080080-# | 3 | 80 | | |
| 1306-100100-# | 4 | 100 | | |



**Guillemin. Rosca hembra sin cierre
Tipo / Type : BSP**

| Referencia Reference | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|---------------|------------|----------------------|---------|
| 1307-040040-# | 1 1/2 | 40 | | |
| 1307-050050-# | 2 | 50 | | |
| 1307-065065-# | 2 1/2 | 65 | | |
| 1307-080080-# | 3 | 80 | | |
| 1307-100100-# | 4 | 100 | | |



**Guillemin. Rosca macho con cierre
Tipo / Type : BSP**

| Referencia Reference | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|---------------|------------|----------------------|---------|
| 1206-040040-# | 1 1/2 | 40 | | |
| 1206-050050-# | 2 | 50 | | |
| 1206-065065-# | 2 1/2 | 65 | | |
| 1206-080080-# | 3 | 80 | | |
| 1206-100100-# | 4 | 100 | | |



**Guillemin. Rosca macho sin cierre
Tipo / Type : BSP**

| Referencia Reference | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|---------------|------------|----------------------|---------|
| 1207-040040-# | 1 1/2 | 40 | | |
| 1207-050050-# | 2 | 50 | | |
| 1207-065065-# | 2 1/2 | 65 | | |
| 1207-080080-# | 3 | 80 | | |
| 1207-100100-# | 4 | 100 | | |



Guillemin. Tapón
Tipo / Type : con cierre

| Referencia Reference | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|---------------|------------|----------------------|---------|
| 1401-019019-# | 3/4 | 20 | | |
| 1401-025025-# | 1 | 25 | | |
| 1401-032032-# | 1 1/4 | 32 | | |
| 1401-040040-# | 1 1/2 | 40 | | |
| 1401-050050-# | 2 | 50 | | |
| 1401-065065-# | 2 1/2 | 65 | | |
| 1401-080080-# | 3 | 80 | | |
| 1401-100100-# | 4 | 100 | | |



Guillemin. Tapón
Tipo / Type : con asa

| Referencia Reference | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|---------------|------------|----------------------|---------|
| 1402-019019-# | 3/4 | 20 | | |
| 1402-025025-# | 1 | 25 | | |
| 1402-032032-# | 1 1/4 | 32 | | |
| 1402-040040-# | 1 1/2 | 40 | | |
| 1402-050050-# | 2 | 50 | | |
| 1402-065065-# | 2 1/2 | 65 | | |
| 1402-080080-# | 3 | 80 | | |
| 1402-100100-# | 4 | 100 | | |



Guillemin. Tapón
Tipo / Type : sin cierre

| Referencia Reference | Pulg. Inch | DN (mm) | Aluminio Aluminum | Aisi316 |
|-------------------------|---------------|------------|----------------------|---------|
| 1403-019019-# | 3/4 | 20 | | |
| 1403-025025-# | 1 | 25 | | |
| 1403-032032-# | 1 1/4 | 32 | | |
| 1403-040040-# | 1 1/2 | 40 | | |
| 1403-050050-# | 2 | 50 | | |
| 1403-065065-# | 2 1/2 | 65 | | |
| 1403-080080-# | 3 | 80 | | |
| 1432-100100-# | 4 | 100 | | |



Junta NBR para Guillemin
Disponible en NBR, EPDM, Viton®
y PTFE®.

| Referencia Reference | Rosca / Thread | Precio Price |
|-------------------------|----------------|-----------------|
| | Pulg. Inch | |
| 1404-050 | 2 | |
| 1404-065 | 2 1/2 | |
| 1404-080 | 3 | |
| 1404-100 | 4 | |

DIN 2817

DIN



Abrazadera (DIN 2817)

| Referencia Reference | Ø Int. | Ø Ext. | Ø Ext. | Aluminio Aluminum | Aisi316 | Bronce Bronze |
|-------------------------|---------|----------|----------|----------------------|---------|------------------|
| | (mm) | Min.(mm) | Max.(mm) | | | |
| 4D-013023-# | 13x5,0 | 22 | 24 | | | |
| 4D-019031-# | 19x6,0 | 30 | 33 | | | |
| 4D-025037-# | 25x6,0 | 36 | 39 | | | |
| 4D-032044-# | 32x6,0 | 43 | 46 | | | |
| 4D-038051-# | 38x6,5 | 50 | 52 | | | |
| 4D-051066-# | 50x8,0 | 64 | 67 | | | |
| 4D-063080-# | 65x7,0 | 78 | 82 | | | |
| 4D-076091-# | 75x8,0 | 89 | 93 | | | |
| 4D-102117-# | 100x8,0 | 114 | 119 | | | |
| 4D-127146-# | 125x10 | 143 | 148 | | | |
| 4D-152171-# | 150x10 | 168 | 174 | | | |
| 4D-203226-# | 200x12 | 222 | 229 | | | |

Macho BSP. Para mangueras Composite



| Referencia Reference | Pulg. Inch | Tipo Type | Ø Int. (mm) | Material | Precio Price |
|-------------------------|---------------|--------------|----------------|----------|-----------------|
| 4110510-24-24AL | 1 1/2 | BSP | 40 | Aluminio | |
| 4110510-32-32AL | 2 | BSP | 50 | Aluminio | |
| 4110510-40-40AL | 2 1/2 | BSP | 65 | Aluminio | |
| 4110510-48-48AL | 3 | BSP | 80 | Aluminio | |
| 4110510-64-64AL | 4 | BSP | 100 | Aluminio | |
| 4110510-24-24AI | 1 1/2 | BSP | 40 | AISI-316 | |
| 4110510-32-32AI | 2 | BSP | 50 | AISI-316 | |
| 4110510-40-40AI | 2 1/2 | BSP | 65 | AISI-316 | |
| 4110510-48-48AI | 3 | BSP | 80 | AISI-316 | |
| 4110510-64-64AI | 4 | BSP | 100 | AISI-316 | |

Manguito para composite



| Referencia Reference | Mang. Hose | Material | Precio Price |
|-------------------------|---------------|----------|-----------------|
| 03000-24AI | 1 1/2 | AISI-316 | |
| 03000-32AI | 2 | AISI-316 | |
| 03000-40AI | 2 1/2 | AISI-316 | |
| 03000-48AI | 3 | AISI-316 | |
| 03000-64AI | 4 | AISI-316 | |
| 03000-24AL | 1 1/2 | Aluminio | |
| 03000-32AL | 2 | Aluminio | |
| 03000-40AL | 2 1/2 | Aluminio | |
| 03000-48AL | 3 | Aluminio | |
| 03000-64AL | 4 | Aluminio | |



| Referencia Reference | Pulg. Inch | Precio Price |
|-------------------------|---------------|-----------------|
| JUNTAS15"NBR | 1 1/2 | |
| JUNTAS2"NBR | 2 | |
| JUNTAS25"NBR | 2 1/2 | |
| JUNTAS3"NBR | 3 | |
| JUNTAS4"NBR | 4 | |



Guillemin. Para manguera Composite

| Referencia Reference | Rosca Thread | Tubo Tube | Material acople | Material campana | Precio Price |
|-------------------------|-----------------|----------------|------------------------------------|------------------------------------|-----------------|
| | DN (mm) | Ø Int. (mm) | | | |
| 1S00-050050AL | 50 | 50 | Aluminio / Aluminum | Acero zincado / Zinc steel | |
| 1S00-065065AL | 65 | 65 | Aluminio / Aluminum | Acero zincado / Zinc steel | |
| 1S00-075080AL | 80 | 80 | Aluminio / Aluminum | Acero zincado / Zinc steel | |
| 1S00-080080AL | 80 | 80 | Aluminio / Aluminum | Acero zincado / Zinc steel | |
| 1S00-100100AL | 100 | 100 | Aluminio / Aluminum | Acero zincado / Zinc steel | |
| 1S00-050050AI | 50 | 50 | Acero inoxidable / Stainless steel | Acero inoxidable / Stainless steel | |
| 1S00-075080AI | 80 | 80 | Acero inoxidable / Stainless steel | Acero inoxidable / Stainless steel | |
| 1S00-080080AI | 80 | 80 | Acero inoxidable / Stainless steel | Acero inoxidable / Stainless steel | |
| 1S00-100100AI | 100 | 100 | Acero inoxidable / Stainless steel | Acero inoxidable / Stainless steel | |



Tipo VK - Parte macho con rosca hembra
Tipo / Type : BSP

Precio / Price

| Referencia Reference | DN | Pulg. Inch | Aisi316 | Bronce Bronze |
|-------------------------|-----|---------------|---------|------------------|
| T606-050060-# | 50 | 2 | | |
| T606-080090-# | 80 | 3 | | |
| T606-100114-# | 100 | 4 | | |



Tipo MK - Parte hembra con rosca hembra y maneta de cierre
Tipo / Type : BSP

Precio / Price

| Referencia Reference | DN | Pulg. Inch | Aisi316 | Bronce Bronze |
|-------------------------|-----|---------------|---------|------------------|
| T806-050060-# | 50 | 2 | | |
| T806-080090-# | 80 | 3 | | |
| T806-100114-# | 100 | 4 | | |



Tipo VB - Tapón macho

DN

Precio / Price

| Referencia Reference | Pulg. Inch | mm | Aluminio Aluminum | Aisi316 | Bronce Bronze |
|-------------------------|---------------|-----|----------------------|---------|------------------|
| T700-050-# | 2 | 50 | | | |
| T700-080-# | 3 | 80 | | | |
| T700-100-# | 4 | 100 | | | |



Tipo MB - Tapón hembra

DN

Precio / Price

| Referencia Reference | Pulg. Inch | mm | Aluminio Aluminum | Aisi316 | Bronce Bronze |
|-------------------------|---------------|-----|----------------------|---------|------------------|
| T900-050-# | 2 | 50 | | | |
| T900-080-# | 3 | 80 | | | |
| T900-100-# | 4 | 100 | | | |



Racor macho (AISI-316L)

| Referencia Reference | DN | Precio Price |
|-------------------------|-----|-----------------|
| 10000-25 | 25 | |
| 10000-32 | 32 | |
| 10000-38 | 38 | |
| 10000-50 | 50 | |
| 10000-65 | 65 | |
| 10000-75 | 75 | |
| 10000-100 | 100 | |



Racor hembra (AISI-316L)

| Referencia Reference | DN | Precio Price |
|-------------------------|-----|-----------------|
| 20000-25 | 25 | |
| 20000-32 | 32 | |
| 20000-38 | 38 | |
| 20000-50 | 50 | |
| 20000-65 | 65 | |
| 20000-75 | 75 | |
| 20000-100 | 100 | |



Tuerca (AISI-304)

| Referencia Reference | DN | Precio Price |
|-------------------------|-----|-----------------|
| 30000-25 | 25 | |
| 30000-32 | 32 | |
| 30000-38 | 38 | |
| 30000-50 | 50 | |
| 30000-65 | 65 | |
| 30000-75 | 75 | |
| 30000-100 | 100 | |



Campana + Anilla (AISI-304)

| Referencia Reference | Referencia Reference | DN | Precio Price | Precio Price |
|-------------------------|-------------------------|-----|-----------------|-----------------|
| 40000-25 | 40001-25 | 25 | | |
| 40000-32 | 40001-32 | 32 | | |
| 40000-38 | 40001-38 | 38 | | |
| 40000-50 | 40001-50 | 50 | | |
| 40000-65 | 40001-65 | 65 | | |
| 40000-75 | 40001-75 | 75 | | |
| 40000-100 | 40001-100 | 100 | | |



Espiga manguera - junta incluida
Material: acero zincado

| Referencia Reference | Manguera Hose | | Dist. garras blablabla | | Precio Price |
|-------------------------|------------------|----|---------------------------|------|-----------------|
| | Pulg. Inch | mm | int. | ext. | € |
| RE22713 | 1/2 | 13 | 40 | 58 | |
| RE22719 | 3/4 | 19 | 40 | 58 | |
| RE22725 | 1 | 25 | 40 | 58 | |



Conexión hembra - junta incluida
Material: acero zincado

| Referencia Reference | Manguera Hose | | Dist. garras blablabla | | Precio Price |
|-------------------------|------------------|----|---------------------------|------|-----------------|
| | Pulg. Inch | mm | int. | ext. | € |
| RE25713 | 1/2 | | 40 | 58 | |
| RE25719 | 3/4 | | 40 | 58 | |
| RE25725 | 1 | | 40 | 58 | |



Conexión macho - junta incluida
Material: acero zincado

| Referencia Reference | Manguera Hose | | Dist. garras blablabla | | Precio Price |
|-------------------------|------------------|----|---------------------------|------|-----------------|
| | Pulg. Inch | mm | int. | ext. | € |
| RE23713 | 1/2 | | 40 | 58 | |
| RE23719 | 3/4 | | 40 | 58 | |
| RE23725 | 1 | | 40 | 58 | |



Abrazadera
Material: acero zincado

| Referencia Reference | Manguera Hose | | Dist. garras blablabla | | Precio Price |
|-------------------------|------------------|----|---------------------------|------|-----------------|
| | Pulg. Inch | mm | int. | ext. | € |
| 2E-019032 | 3/4 | 19 | 31 | 33 | |
| 2E-025038 | 1 | 25 | 37 | 39 | |



Junta
Material: NBR

| Referencia Reference | Precio Price |
|-------------------------|-----------------|
| JUNTA.DIN3489 | 0,60 |

BH **BOMBEO DE HORMIGÓN**
CONCRETE PUMP



Racor bombeo de hormigón

| Referencia Reference | Ø (pulg. / inch.) | | Precio Price |
|-------------------------|-------------------|------------------|-----------------|
| | Mang. Hose | Racor Fitting | |
| 48810-50-73 | 2 | 2 1/2 | |
| 48810-50-89 | 2 | 3 | |
| 48810-65-73 | 2 1/2 | 2 1/2 | |
| 48810-65-89 | 2 1/2 | 3 | |
| 48810-75 | 3 | 3 | |
| 48810-75-114 | 3 | 4 | |
| 48810-100 | 4 | 4 | |
| 48810-100-127 | 4 | 4 1/2 | |
| 48810-100-148-H | 4 | 5 1/2 | |
| 48810-100-148-M | 4 | 5 1/2 | |
| 48810-125 | 5 | 5 | |
| 48810-125-148 | 5 | 5 1/2 | |



Manguito para bombeo hor.

| Referencia Reference | Ø (pulg. / inch.) | | Precio Price |
|-------------------------|-------------------|--|-----------------|
| | Mang. Hose | | |
| 1600-50 | 2 | | |
| 1600-65 | 2 1/2 | | |
| 1600-75 | 3 | | |
| 1600-100 | 4 | | |
| 1600-125 | 5 | | |



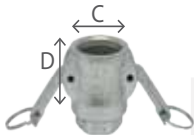
Adaptador macho con espiga para prensar

| Referencia Reference | Ø (mm) | C (mm) | D (mm) | Precio Price |
|-------------------------|-----------|-----------|-----------|-----------------|
| MMM25 | 25 | 35 | 22 | |
| MMM35 | 35 | 49,5 | 23,5 | |
| MMM50 | 50 | 63 | 23,2 | |



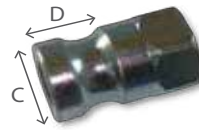
Adaptador hembra con espiga para prensar

| Referencia Reference | Ø (mm) | C (mm) | D (mm) | Precio Price |
|-------------------------|-----------|-----------|-----------|-----------------|
| MHM25 | 25 | 35,5 | 22 | |
| MHM35 | 35 | 51 | 23,5 | |
| MHM50 | 50 | 64 | 23,5 | |



Enganche hembra - rosca hembra

| Referencia Reference | Ø (pulg / inch) | C (mm) | D (mm) | Precio Price |
|-------------------------|--------------------|-----------|-----------|-----------------|
| MRHH25 | 1" | 35,5 | 22 | |
| MRHH35 | 1 1/4" | 51 | 23,5 | |
| MRHH50 | 2" | 64 | 23,5 | |



Enganche macho - rosca hembra

| Referencia Reference | Ø (pulg / inch) | C (mm) | D (mm) | Precio Price |
|-------------------------|--------------------|-----------|-----------|-----------------|
| MRMH25 | 1" | 35 | 22 | |
| MRMH35 | 1 1/4" | 49,5 | 23,5 | |
| MRMH50 | 2" | 63 | 23,2 | |



Casquillo para manguera de 40 bar.

| Referencia Reference | Ø (mm) | Precio Price |
|-------------------------|-----------|-----------------|
| MCM25 | 25 | |
| MCM35 | 35 | |
| MCM50 | 50 | |



Espiga manguera - junta incluida
Material: bronce

| Referencia Reference | Manguera Hose | | Dist. garras blablaba | | Precio Price € |
|-------------------------|------------------|----|--------------------------|------|----------------------|
| | Pulg. Inch | mm | int. | ext. | |
| E300-013057 | 1/2 | 13 | 48 | 57 | |
| E300-019057 | 3/4 | 19 | 48 | 57 | |
| E300-025057 | 1 | 25 | 48 | 57 | |



Macho BSP - junta incluida
Material: bronce

| Referencia Reference | Manguera Hose | | Dist. garras blablaba | | Precio Price € |
|-------------------------|------------------|--------------|--------------------------|------|----------------------|
| | Pulg. Inch | Tipo Type | int. | ext. | |
| E206-057021 | 1/2 | BSP | 48 | 57 | |
| E206-057027 | 3/4 | BSP | 48 | 57 | |
| E206-057034 | 1 | BSP | 48 | 57 | |



Hembra BSP - junta incluida
Material: bronce

| Referencia Reference | Manguera Hose | | Dist. garras blablaba | | Precio Price € |
|-------------------------|------------------|--------------|--------------------------|------|----------------------|
| | Pulg. Inch | Tipo Type | int. | ext. | |
| E306-057021 | 1/2 | BSP | 48 | 57 | |
| E306-057027 | 3/4 | BSP | 48 | 57 | |
| E306-057034 | 1 | BSP | 48 | 57 | |



Junta
Material: NBR

| Referencia Reference | Precio Price |
|-------------------------|-----------------|
| INJM9E-41 | 0,69 |



Storz para manguera
Material: aluminio

| Referencia Reference | KA | DN | Precio Price |
|-------------------------|-----|-----|-----------------|
| Z300-015035AL | 31 | 15 | |
| Z300-019031AL | 31 | 19 | |
| Z300-025031AL | 31 | 25 | |
| Z300-025044AL | 44 | 25 | |
| Z300-032044AL | 44 | 32 | |
| Z300-025052AL | 52 | 25 | |
| Z300-032052AL | 52 | 32 | |
| Z300-040052AL | 52 | 38 | |
| Z300-025066AL | 66 | 25 | |
| Z300-032066AL | 66 | 32 | |
| Z300-038066AL | 66 | 38 | |
| Z300-040066AL | 66 | 40 | |
| Z300-050066AL | 66 | 50 | |
| Z300-055066AL | 66 | 55 | |
| Z300-060066AL | 66 | 60 | |
| Z300-065081AL | 81 | 65 | |
| Z300-070081AL | 81 | 70 | |
| Z300-075081AL | 81 | 75 | |
| Z300-065089AL | 89 | 65 | |
| Z300-070089AL | 89 | 70 | |
| Z300-075089AL | 89 | 75 | |
| Z300-080089AL | 89 | 80 | |
| Z300-075105AL | 105 | 75 | |
| Z300-090105AL | 105 | 90 | |
| Z300-100115AL | 115 | 100 | |
| Z300-090133AL | 133 | 90 | |
| Z300-100133AL | 133 | 100 | |
| Z300-110133AL | 133 | 110 | |
| Z300-125133AL | 133 | 125 | |
| Z300-125148AL | 148 | 125 | |
| Z300-150160AL | 160 | 150 | |
| Z300-205220AL | 220 | 205 | |



Storz rosca hembra (ISO 228)
Material: aluminio

| Referencia Reference | KA | Rosca Thread | Precio Price |
|-------------------------|-----|-----------------|-----------------|
| Z306-015031AL | 31 | 1/2" | |
| Z306-019031AL | 31 | 3/4" | |
| Z306-025031AL | 31 | 1" | |
| Z306-032031AL | 31 | 1 1/4" | |
| Z306-025044AL | 44 | 1" | |
| Z306-032044AL | 44 | 1 1/4" | |
| Z306-032052AL | 52 | 1 1/4" | |
| Z306-040052AL | 52 | 1 1/2" | |
| Z306-050052AL | 52 | 2" | |
| Z306-040059AL | 59 | 1 1/2" | |
| Z306-050059AL | 59 | 2" | |
| Z306-025066AL | 66 | 1" | |
| Z306-032066AL | 66 | 1 1/4" | |
| Z306-040066AL | 66 | 1 1/2" | |
| Z306-050066AL | 66 | 2" | |
| Z306-065066AL | 66 | 2 1/2" | |
| Z306-050081AL | 81 | 2" | |
| Z306-065081AL | 81 | 2 1/2" | |
| Z306-080081AL | 81 | 3" | |
| Z306-050089AL | 89 | 2" | |
| Z306-065089AL | 89 | 2 1/2" | |
| Z306-080089AL | 89 | 3" | |
| Z306-080105AL | 105 | 3" | |
| Z306-100115AL | 115 | 4" | |
| Z306-080133AL | 133 | 3" | |
| Z306-100133AL | 133 | 4" | |
| Z306-125133AL | 133 | 5" | |
| Z306-100148AL | 148 | 4" | |
| Z306-125148AL | 148 | 5" | |
| Z306-150160AL | 160 | 6" | |
| Z306-205220AL | 220 | 8" | |

Notas:

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Parte macho - espiga para manguera
Material: acero

| Referencia Reference | Embocadura | | Espiga manguera mm | Precio Price € |
|-------------------------|---------------|-----|--------------------------|----------------------|
| | Pulg. Inch | mm | | |
| ALM2 | 2 | 50 | 50-60 | |
| ALM3 | 3 x 3 | 76 | 70-75 | |
| ALM3.5 | 3 x 3 1/2 | 89 | 80-89 | |
| ALM4 | 4 | 108 | 100-110 | |
| ALM5 | 5 | 133 | 125-140 | |
| ALM6 | 6 | 159 | 150-160 | |
| ALM8 | 8 | 194 | 200 | |



Parte hembra - espiga para manguera
Material: acero

| Referencia Reference | Embocadura | | Espiga manguera mm | Precio Price € |
|-------------------------|---------------|-----|--------------------------|----------------------|
| | Pulg. Inch | mm | | |
| ALF2 | 2 | 50 | 50-60 | |
| ALF3 | 3 x 3 | 76 | 70-75 | |
| ALF3.5 | 3 x 3 1/2 | 89 | 80-89 | |
| ALF4 | 4 | 108 | 100-110 | |
| ALF5 | 5 | 133 | 125-140 | |
| ALF6 | 6 | 159 | 150-160 | |
| ALF8 | 8 | 194 | 200 | |



Aro con anillas
Material: acero

| Referencia Reference | Embocadura | | Precio Price € |
|-------------------------|---------------|-----|----------------------|
| | Pulg. Inch | mm | |
| ALL2 | 2 | 50 | |
| ALL3 | 3 x 3 | 76 | |
| ALL3.5 | 3 x 3 1/2 | 89 | |
| ALL4 | 4 | 108 | |
| ALL5 | 5 | 133 | |
| ALL6 | 6 | 159 | |
| ALL8 | 8 | 194 | |



Junta tórica
Material: buna

| Referencia Reference | Tamaño Size mm | Precio Price € |
|-------------------------|----------------------|----------------------|
| | | |
| ALO3 | 76 | |
| ALO3.5 | 89 | |
| ALO4 | 108 | |
| ALO5 | 133 | |
| ALO6 | 159 | |
| ALO8 | 194 | |



Hembra para manguera
Material: acero zincado

| Referencia Reference | Racor Fitting | Manguera Hose | Precio Price € |
|-------------------------|------------------|------------------|----------------------|
| | mm | mm | |
| 13H533M-70-70 | 70 | 70 | |
| 13H533M-80-89 | 80 | 89 | |
| 13H533M-90-89 | 90 | 89 | |
| 13H533M-90-108 | 90 | 108 | |
| 13H533M-100-108 | 100 | 108 | |
| 13H533M-110-108 | 110 | 108 | |



Macho para manguera
Material: acero zincado

| Referencia Reference | Racor Fitting | Manguera Hose | Precio Price € |
|-------------------------|------------------|------------------|----------------------|
| | mm | mm | |
| 13H534M-70-70 | 70 | 70 | |
| 13H534M-80-89 | 80 | 89 | |
| 13H534M-90-89 | 90 | 89 | |
| 13H534M-90-108 | 90 | 108 | |
| 13H534M-100-108 | 100 | 108 | |
| 13H534M-110-108 | 110 | 108 | |

Notas:

A series of horizontal dotted lines for writing notes.





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