Mann Tek

# ACOPLES SECOS

## ¡Elimine pérdidas!

**ACOPLES SECOS INDUSTRIALES**

**ACOPLES SECOS DE AVIACIÓN**

**ACOPLES SECOS DE GAS LICUADO**

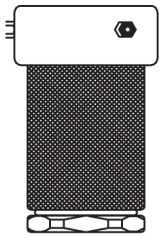
Friol, S.L. • Avda. Profesor López Piñero, 8-11ª • 46013 Valencia, Spain • Tel. +34 963 69 35 55 • Fax +34 963 69 33 73 • E-mail: friol@friolsl.com • www.friolsl.com

# DDC - ACOPLES SECOS DE MANGUERA
## con roscas BSP (ISO 228)

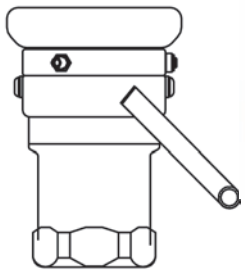
| 1) Pulgadas DN | Boca Ø | 2) Rosca hembra de conexión a manguera | 3) Material | Fig. | Peso (Kg) | Código |
|---|---|---|---|---|---|---|
| 1" | 56 mm | 3/4 " BSP | Al | A | 0,5 | S101A1101B |
| DN 25 | | ISO 228 G 3/4 | Br | A | 1,4 | S101A2201B |
| | | | SS | A | 1,3 | S101A4401A |
| 1" | 56 mm | 1" BSP | Al | A | 0,5 | S103A1101B |
| DN25 | | ISO 228 G 1 | Br | A | 1,4 | S103A2201B |
| | | | SS | A | 1,3 | S103A4401A |
| 2" | 70 mm | 1 ½" BSP | Al | B | 1,2 | S207A1101B |
| DN 50 | | ISO 228 G 1 ½ | Br | B | 2,6 | S207A2201B |
| | | | SS | B | 2,5 | S207A4401A |
| 2" | 70 mm | 2" BSP | Al | B | 1,1 | S210A1101B |
| DN 50 | | ISO 228 G 2 | Br | B | 2,4 | S210A2201B |
| | | | SS | B | 2,3 | S210A4401A |
| 2 ½" | 105 mm | 2 ½" BSP | Al | C | 3,7 | S312B1101B |
| DN 65 | | ISO 228 G 2 ½ | GM | C | 7,3 | S312B2201B |
| | | | SS | C | 7,1 | S312B4401A |
| 2 ½" | 105 mm | 3" BSP | Al | C | 3,7 | S314B1101B |
| DN 65 | | ISO 228 G 3 | GM | C | 7,2 | S314B2201B |
| | | | SS | C | 7,0 | S314B4401A |
| 3" | 119 mm | 3" BSP | Al | C | 4,2 | S414B1101B |
| DN 80 | | ISO 228 G 3 | GM | C | 8,5 | S414B2201B |
| | | | SS | C | 8,1 | S414B4401A |
| 4" | 164 mm | 4" BSP | Al | D | 7,8 | S516B1101B |
| DN 100 | | ISO 228 G 4 | GM | D | 18,7 | S516B2201B |
| | | | SS | D | 16,8 | S516B4401A |
| 6" | 238 mm | 6" BSP | Al | | 26,5 | S6110A1101A |
| DN 150 | | ISO 228 G 6 | SS | | | S6110A4401A |

**Figura**

A) Acoplamiento seco macho según STANAG 3756. Puede ser manipulado hasta 7 Bar. Compatible con acoples de otras marcas. En esta tabla se muestra acoples con rosca BSPP según EN228. Otras roscas y sistemas de acople bajo pedido.



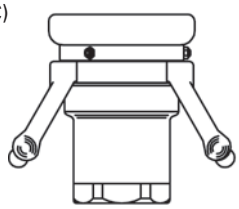
B)

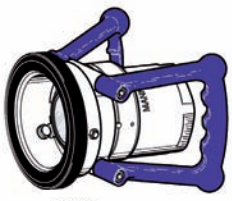


Forma B
Con un asa
Rosca hembra BSP
EN ISO 228

Style B :
with one handle,
BSP female thread
EN ISO 228

C)

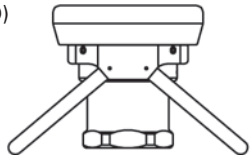




Forma C
Con dos asas
Rosca hembra BSP
EN ISO 228

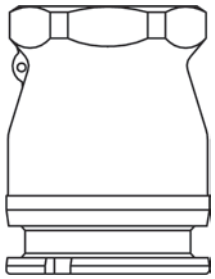
Style C :
with two handles,
BSP female thread
EN ISO 228

D)



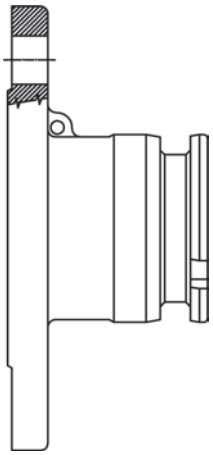
1) Tamaño del acople
2) Rosca hembra 1SO 228 (BSP)
3) Material: Al=Aluminio, Br=Latón, GM=Bronce rojo, SS=Acero inoxidable

# DDC - ACOPLES SECOS MACHO
## con roscas BSP (ISO 228)

| 1) Pulgadas DN | Boca Ø | 2) Rosca hembra de conexión a manguera | 3) Material | Peso (Kg) | Código | Figura |
|---|---|---|---|---|---|---|
| 1" | 56 mm | 3/4 " BSP | Al | 0,3 | T101A1101B |  |
| DN 25 | | ISO 228 G 3/4 | Br | 0,7 | T101A2201B | |
| | | | SS | 0,7 | T101A4401A | |
| 1" | 56 mm | 1" BSP | Al | 0,3 | T103A1101B | |
| DN25 | | ISO 228 G 1 | Br | 0,7 | T103A2201B | |
| | | | SS | 0,7 | T103A4401A | |
| 2" | 70 mm | 1 ½" BSP | Al | 0,5 | T207A1101B | |
| DN 50 | | ISO 228 G 1 ½ | Br | 1,3 | T207A2201B | |
| | | | SS | 1,3 | T207A4401A | |
| 2" | 70 mm | 2" BSP | Al | 0,4 | T210A1101B | |
| DN 50 | | ISO 228 G 2 | Br | 1,1 | T210A2201B | |
| | | | SS | 1,0 | T210A4401A | |
| 2 ½" | 105 mm | 2 ½" BSP | Al | 0,9 | T312B1101B | |
| DN 65 | | ISO 228 G 2 ½ | Br | 3,9 | T312B2201B | |
| | | | SS | 3,9 | T312A4401A | |
| 2 ½" | 105 mm | 3" BSP | Al | 0,9 | T314B1101B | |
| DN 65 | | ISO 228 G 3 | Br | 3,2 | T314B2201B | |
| | | | SS | 3,7 | T314A4401A | |
| 3" | 119 mm | 3" BSP | Al | 1,3 | T414B1101B | |
| DN 80 | | ISO 228 G 3 | Br | 3,6 | T414B2201B | |
| | | | SS | 3,6 | T414B4401A | |
| 4" | 164 mm | 4" BSP | Al | 2,3 | T516B1101B | |
| DN 100 | | ISO 228 G 4 | Br | 7,5 | T516B2201B | |
| | | | SS | 6,7 | T516A4401A | |
| 6" | 238 mm | 4" BSP | Al | 7,4 | T6110A1101A | |
| DN 150 | | ISO 228 G 6 | SS | 6,7 | T6110A4401A | |

1) Tamaño del acople
2) Rosca hembra 1SO 228 (BSP)
3) Material: Al=Aluminio, Br=Latón, GM=Bronce rojo, SS=Acero inoxidable

# DDC - ACOPLES SECOS MACHO CON BRIDA DE CONEXIÓN

| | 1) Pulgadas DN | Boca Ø | Brida<br>La referencia debe ser completada con los dígitos de la brida escogida | 3) Material | Peso Sin taladros | Referencia | Figura |
|---|---|---|---|---|---|---|---|
| Dustplug for Hose and Dustcap Tank unit. Standrad sealings Viton®. Other materials and sealings on request. | 1" DN25 | 56 mm | 18 = SIN TALADRAR Ø156 mm<br>23 = DN 25 PN 10/16<br>51 = 1" ASA 150 PSI | Al | 1,1 | T1_ _A1101 |  |
| | | | | Br | 1,6 | T1_ _A2401 | |
| | | | | SS | 1,5 | T1_ _A4401 | |
| | 2" DN 50 | 70 mm | 19 = SIN TALADRAR Ø165 mm<br>27 = DN 40 PN 10/16<br>55 = 1 ½" ASA 150 PSI | Al | 1,1 | T2_ _B1101 | |
| | | | | Br | 3,3 | T2_ _B2401 | |
| | | | | SS | 3,2 | T2_ _A4401 | |
| | 2" DN 50 | 70 mm | 19 = SIN TALADRAR Ø165 mm<br>30 = DN 50 PN 10/16<br>57 = 2" ASA 150 PSI | Al | 1,1 | T2_ _B1101 | |
| | | | | Br | 3,3 | T2_ _B2401 | |
| | | | | SS | 3,2 | T2_ _A4401 | |
| | 2 ½" DN 65 | 105 mm | 20 = SIN TALADRAR Ø210 mm<br>33 = DN 65 PN 10/16<br>59 = 2 ½" ASA 150 PSI | Al | 2,1 | T3_ _B1101 | |
| | | | | Br | 6,7 | T3_ _B2401 | |
| | | | | SS | 5,0 | T3_ _A4401 | |
| | 2 ½" DN 65 | 105 mm | 20 = SIN TALADRAR Ø210 mm<br>36 = DN 80 PN 10/16<br>61 = 3" ASA 150 PSI<br>65 = TW 1 (3" - DN 80)<br>66 = TW 3 (4" - DN 100)<br>68 = 4" - TTMA | Al | 2,1 | T3_ _B1101 | |
| | | | | Br | 6,7 | T3_ _B2401 | |
| | | | | SS | 5,0 | T3_ _A4401 | |
| | 3" DN 80 | 119 mm | 20 = SIN TALADRAR Ø210 mm<br>36 = DN 80 PN 10/16<br>61 = 3" ASA 150 PSI<br>65 = TW 1 (3" - DN 80)<br>66 = TW 3 (4" - DN 100)<br>68 = 4" - TTMA | Al | 2,2 | T4_ _B1101 | |
| | | | | Br | 6,8 | T4_ _B2401 | |
| | | | | SS | 5,5 | T4_ _A4401 | |
| | 4" DN 100 | 164 mm | 21 = SIN TALADRAR Ø230 mm<br>39 = DN 100 PN 10/16<br>63 = 4" ASA 150 PSI<br>66 = TW 3 (4" - DN 100)<br>68 = 4" - TTMA | Al | 2,8 | T5_ _B1101 | |
| | | | | Br | 10,1 | T5_ _B2401 | |
| | | | | SS | 9,3 | T5_ _A4401 | |
| | 6" DN 150 | 238 mm | | SS or AL | | T6_ _A4401 | |

No part of this leaflet may be reproduced in any form or by any means without permission in writing from the publisher

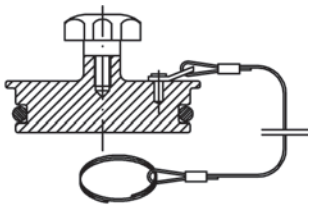
© Mann Teknik 2007

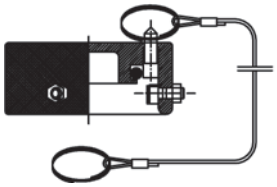
1) Tamaño del acople

3) Material: Al=Aluminio, Br=Latón, GM=Bronce rojo, SS=Acero inoxidable

# TAPONES Y TAPAS ANTIPOLVO PARA ACOPLES MACHO Y HEMBRA

| | 1) Pulgadas DN | Boca Ø | 3) Material | 4) Tipo | Peso | Referencia | Figura |
|---|---|---|---|---|---|---|---|
| Dustplug for Hose and Dustcap Tank unit. Standrad sealings Viton®. Other materials and sealings on request. | 3/4" - 1" | 56 mm | Composite | DP | 60 gr | P100A2201 | TAPÓN |
| | DN 20 - 25 | | Al | DP | 120 gr | P100A1101 | |
| | | | SS | DP | 320 gr | P100A4401 | |
| | 1½" - 2" | 70 mm | Composite | DP | 120 gr | P200A2201 | |
| | DN 40 | | Al | DP | 240 gr | P200A1101 | |
| | | | SS | DP | 640 gr | P200A4401 | |
| | 2 ½" | 105 mm | Composite | DP | 265 gr | P300A2201 | |
| | DN 65 | | Al | DP | 520 gr | P300A1101 | |
| | | | SS | DP | 1400 gr | P300A4401 | |
| | 3" | 119 mm | Composite | DP | 330 gr | P400A2201 | |
| | DN 80 | | Al | DP | 620 gr | P400A1101 | |
| | | | SS | DP | 1600 gr | P400A4401 | |
| | 4" | 164 mm | Composite | DP | 440 gr | P500A2201 | |
| | DN 100 | | Al | DP | 880 gr | P500A1101 | |
| | | | SS | DP | 2300 gr | P500A4401 | |
| | 3/4" - 1" | 56 mm | Composite | DC | 130 gr | C100A2201 | TAPA |
| | DN 20 - 25 | | Al | DC | 220 gr | C100A1101 | |
| | | | SS | DC | 590 gr | C100A4401 | |
| | 1½" - 2" | 70 mm | Composite | DC | 180 gr | C200A2201 | |
| | DN 40 | | Al | DC | 365 gr | C200A1101 | |
| | | | SS | DC | 1020 gr | C200A4401 | |
| | 2 ½" | 105 mm | Composite | DC | 350 gr | C300A2201 | |
| | DN 65 | | Al | DC | 690 gr | C300A1101 | |
| | | | SS | DC | 1860 gr | C300A4401 | |
| | 3" | 119 mm | Composite | DC | 375 gr | C400A2201 | |
| | DN 80 | | Al | DC | 730 gr | C400A1101 | |
| | | | SS | DC | 1970 gr | C400A4401 | |
| | 4" | 164 mm | Composite | DC | 500 gr | C500A2201 | |
| | DN 100 | | Al | DC | 900 gr | C500A1101 | |
| | | | SS | DC | 2400 gr | C500A4401 | |



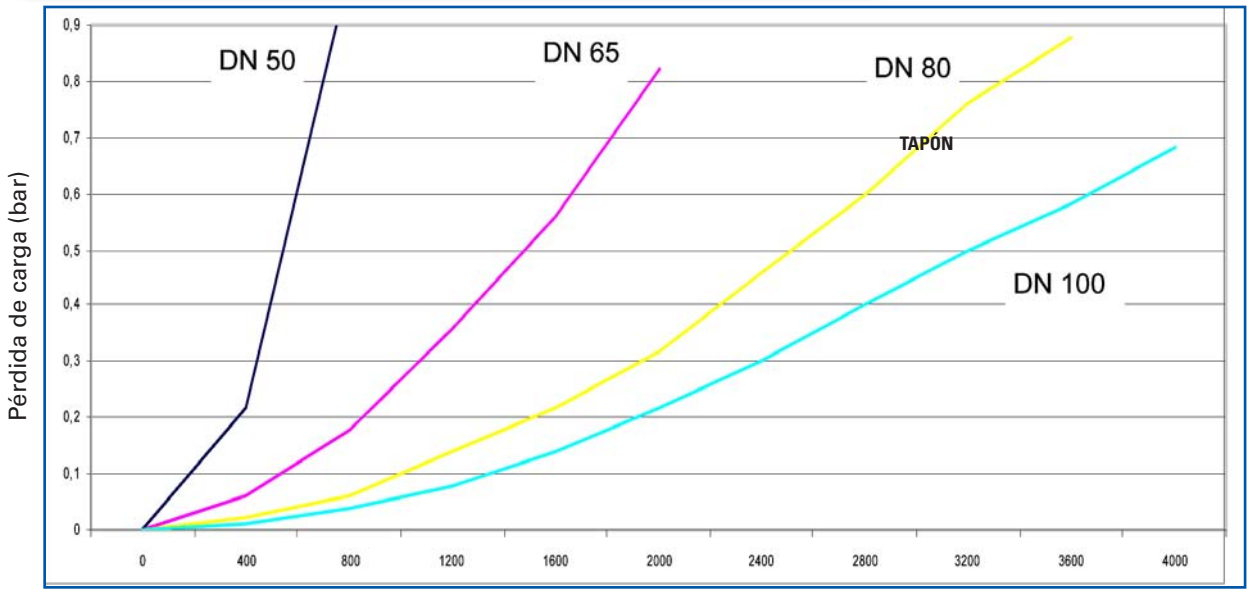


© Mann Teknik 2007

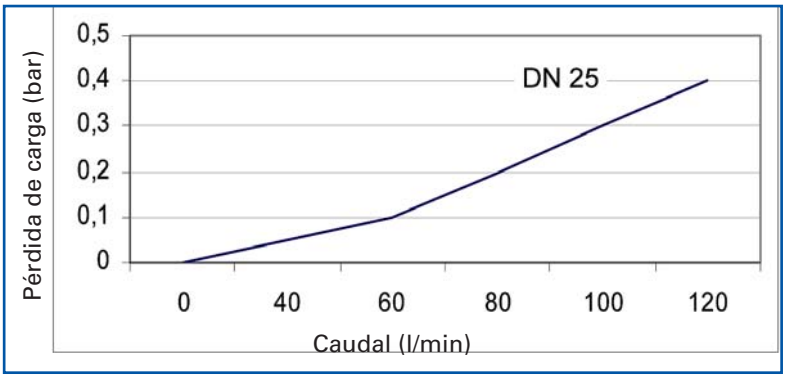
No part of this leaflet may be reproduced in any form or by any means without permission in writing from the publisher

1) Tamaño
3) Material: Al=Aluminio, SS=Acero inoxidable
4) DC=Tapa, DP=Tapón

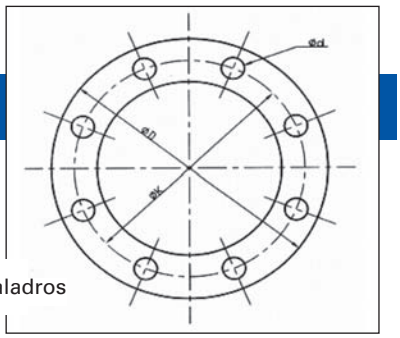
## DIAGRAMAS DE CAUDAL / PÉRDIDA DE CARGA




Fluído: Water
Temp: 16°C




## MEDIDAS DE BRIDAS




n = número de taladros

| | TW (DIN 28459) | | | | | EN 1092-1 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | PN 6 | | | | PN 10/16 | | | |
| Inch / DN | TW | D | k | n | d | D | k | n | d | D | k | n | d |
| 3/4" / 20 | - | - | - | - | - | 90 | 65 | 4 | 11 | 105 | 75 | 4 | 14 |
| 1" / 25 | - | - | - | - | - | 100 | 75 | 4 | 11 | 115 | 85 | 4 | 14 |
| 1 1/4" / 32 | - | - | - | - | - | 120 | 90 | 4 | 14 | 140 | 100 | 4 | 18 |
| 1 1/2" / 40 | - | - | - | - | - | 130 | 100 | 4 | 14 | 150 | 110 | 4 | 18 |
| 2" / 50 | 1 | 154 | 130 | 8 | 11 | 140 | 110 | 4 | 14 | 165 | 125 | 4 | 18 |
| 2 1/2" / 65 | 1 | 154 | 130 | 8 | 11 | 160 | 130 | 4 | 14 | 185 | 145 | 4/8 | 18 |
| 3" / 80 | 1 | 154 | 130 | 8 | 11 | 190 | 150 | 4 | 18 | 200 | 160 | 8 | 18 |
| 4" / 100 | 3 | 174 | 150 | 8 | 14 | 210 | 170 | 4 | 18 | 220 | 180 | 8 | 18 |
| 5" / 125 | 5 | 204 | 176 | 8 | 14 | 240 | 200 | 8 | 18 | 250 | 210 | 8 | 18 |
| 6" / 150 | 7 | 240 | 210 | 12 | 14 | 265 | 225 | 8 | 18 | 285 | 240 | 8 | 22 |
| 8" / 200 | - | - | - | - | - | 320 | 280 | 8 | 18 | 340 | 295 | 8/12 | 22 |

| | ANSI/ASA B16.5 | | | | | | | | T.T.M.A. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 150 psi | | | | 300 psi | | | | | | | |
| Inch / DN | D | k | n | d | D | k | n | d | D | k | n | d |
| 3/4" / 20 | 98 | 70 | 4 | 16 | 117 | 82 | 4 | 19 | - | - | - | - |
| 1" / 25 | 108 | 79 | 4 | 16 | 124 | 89 | 4 | 19 | - | - | - | - |
| 1 1/4" / 32 | 117 | 89 | 4 | 16 | 133 | 98 | 4 | 19 | - | - | - | - |
| 1 1/2" / 40 | 127 | 98 | 4 | 16 | 156 | 114 | 4 | 22 | - | - | - | - |
| 2" / 50 | 152 | 121 | 4 | 19 | 165 | 127 | 8 | 19 | 114 | 95 | 6 | 11 |
| 2 1/2" / 65 | 178 | 140 | 4 | 19 | 190 | 149 | 8 | 22 | - | - | - | - |
| 3" / 80 | 190 | 152 | 4 | 19 | 210 | 168 | 8 | 22 | 143 | 124 | 8 | 11 |
| 4"/ 100 | 229 | 190 | 8 | 19 | 254 | 200 | 8 | 22 | 168 | 149 | 8 | 11 |
| 5"/ 150 | 254 | 216 | 8 | 22 | 279 | 235 | 8 | 22 | 197 | 178 | 12 | 11 |
| 6"/ 150 | 279 | 241 | 8 | 22 | 317 | 270 | 12 | 22 | 229 | 206 | 12 | 11 |
| 8"/ 200 | 343 | 298 | 8 | 22 | 381 | 330 | 12 | 25 | 276 | 257 | 16 | 11 |

Friol, S.L. • Avda. Profesor López Piñero, 8-11ª • 46013 Valencia, Spain • Tel. +34 963 69 35 55 • Fax +34 963 69 33 73 • E-mail: friol@friolsl.com • www.friolsl.com