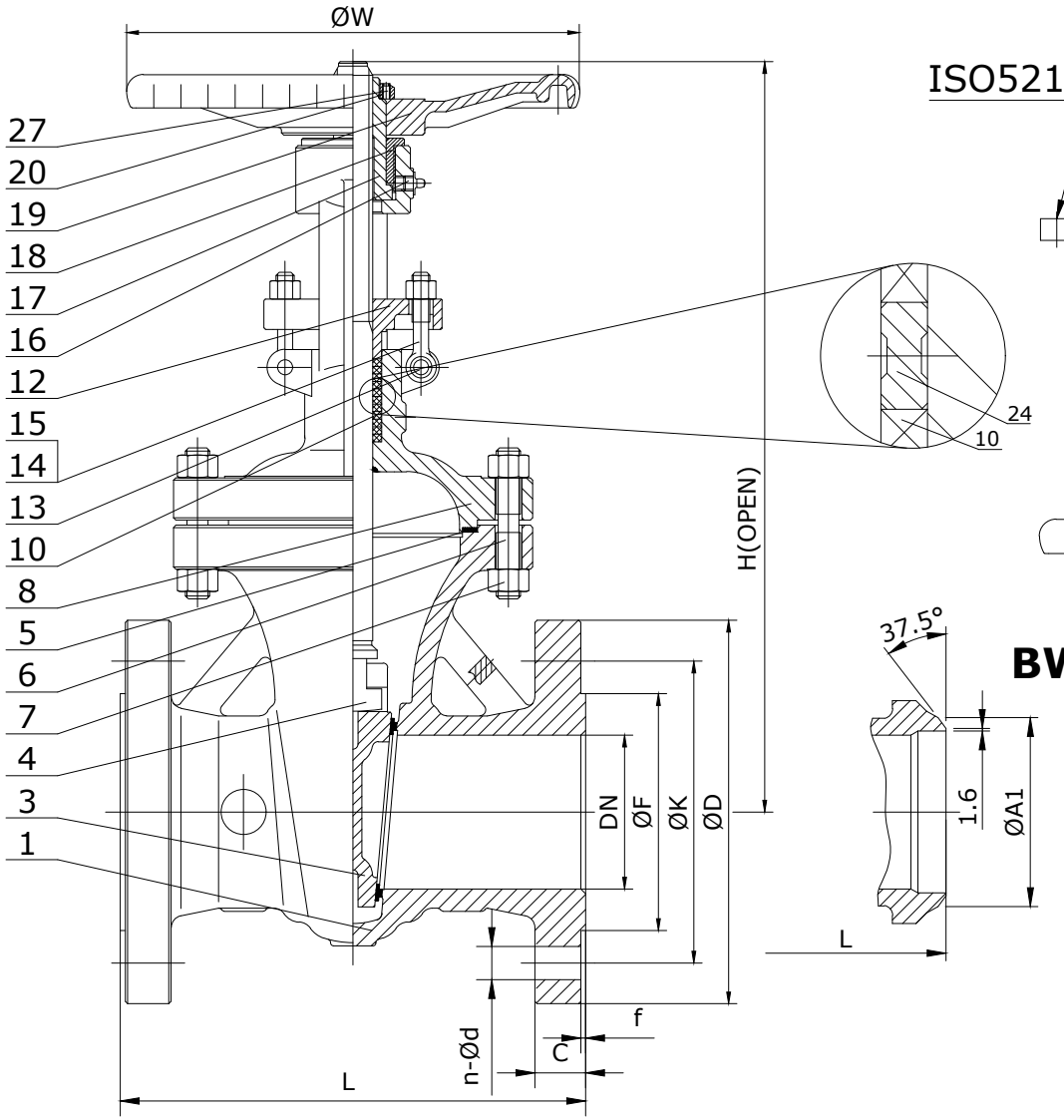
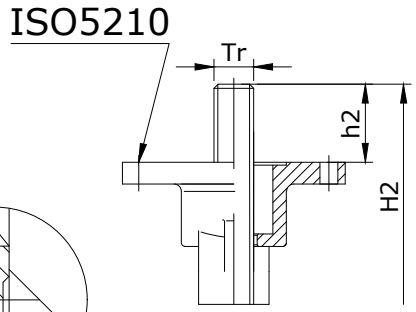
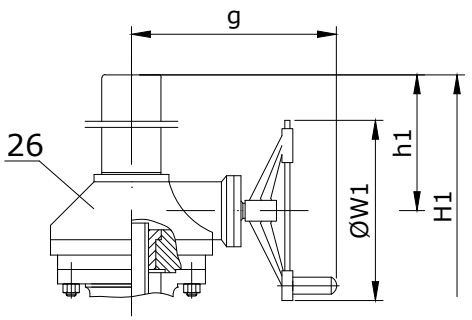


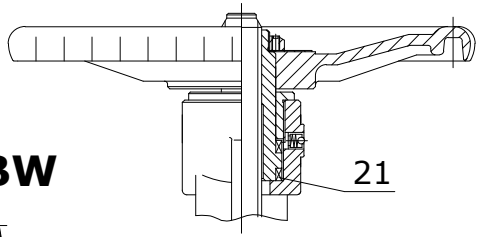





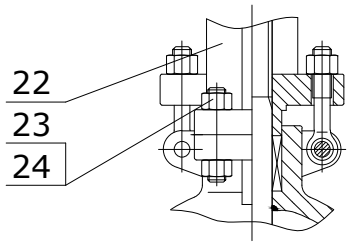





**BW**




Thrust ball bearings
used for DN250 and above




Two pieces bonnet used
for DN150 and above

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
The stated design temperature limits are referred to the unpainted valves.
Los límites de temperatura mostrados se refieren a válvulas sin pintar
These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

**MAIN FEATURES/PRINCIPALES ATRIBUTOS**

- Design/ Diseño: EN 1984-2010
- Nominal Pressure: PN16
- Valve length/ Longitud: DIN 3202 F5
- Valve end connections/Extremos: Flanged to/ Bridas según EN 1092-1 Type 21
- Inspections & tests / Inspecciones y pruebas: EN12266-1/2
- Heat resistant paint, grey aluminium color/Pintura resistente al calor, color gris aluminio

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III

| | | | | |
|---|---|---|---|---|
| Customer/Cliente<br>- | Project/Proyecto<br>- | Description/Descripción<br>UNIFLOW®<br>GATE VALVES PN16 | | |
| Your Ref./Su Ref.<br>- | Our Ref./Nuestra Ref.<br>229000157 | | | |
| | Rev.250415 | | | |
| Date/Fecha | 15/04/2025 | | | |
| Name/Nombre | aes40557 | | | |
| Comeval® A company of the ARI-Armaturen Group | Drawn/Dibujado<br>CR | Approved/Aprobado<br>JG | Checked/Comprob.<br>DT | Date/Fecha<br>02/12/2014 |
| | Drawing N°/Plano N°<br>GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700 | | | |

| No. | Part/Parte | Material | No. | Part/Parte | Material |
|---|---|---|---|---|---|
| 1 | Body | 1.0619+N+HF | 16 | Greese Injector | Brass |
| 3 | Wedge | 1.0619+N+HF | 17 | Stem Nut | A439 D2 |
| 4 | Stem | A182 F6a | 18 | Retaining Nut | Carbon Steel |
| 5 | Gasket | St. Steel 304 + Graphite | 19 | Handwheel | ASTM A536 |
| 6 | Bolt | A193 B7 | 20 | Handwheel Nut | Carbon Steel |
| 7 | Nut | A194 2H | 21 | Bearings | Alloy Steel |
| 8 | Bonnet | 1.0619+N | 22 | Yoke | 1.0619+N |
| 10 | Packing | Flexible Graphite | 23 | Yoke Bolt | A193 B7 |
| 12 | Gland | 1.0619+N | 24 | Yoke Nut | A194 2H |
| 13 | Pin | Carbon Steel | 26 | Gear | Assembly |
| 14 | Gland Eyebolt | A193 B7 | 27 | Screw | Carbon Steel |
| 15 | Nut | A194 2H | | | |

| | | | |
|---|---|---|---|
| Pressure-Temp. Rating | | EN1092-1 | |
| Shell test pressure | | 2.4 | MPa |
| High pressure seal test | | 1.76 | |
| Backseat test pressure | | 1.76 | |
| Air test pressure | | 0.6 | |
| Applicable temperature | | -29~450°C | |
| Applicable medium | | Water,steam,oil,etc | |
| Pmax:16 bar | Tmax:450°C | Tmin:-29°C | |

| Size | End connection | | | | | | | | | | | Top works/Operation | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RF | | | | | | | | | BW | | Handwheel | | | Gear with handwheel | | | | With ISO 5210 mounting pad | | | | | | | | |
| | L (F5) | L (F4) | ØB | ØD | ØK | ØF | C | f | n-Ød | L | ØA1 | H (open) | H (close) | ØW | H1 | h1 | g | ØW1 | H2 (open) | H2 (close) | h2 | ISO | Tr | Stroke | No. Of turns | Torque (Nm) |
| **050** | 250 | 150 | 50 | 165 | 125 | 102 | 18 | 3 | 4-18 | 250 | 62 | 393 | 340 | 200 | - | - | - | - | 405 | 340 | 45 | F07 | Tr20x4LH | 65 | 17 | 32 |
| **065** | 270 | 170 | 65 | 185 | 145 | 122 | 18 | 3 | 8-18 | 270 | 77 | 430 | 360 | 200 | - | - | - | - | 460 | 380 | 45 | F07 | Tr22x5LH | 80 | 16 | 35 |
| **080** | 280 | 180 | 80 | 200 | 160 | 138 | 20 | 3 | 8-18 | 280 | 91 | 500 | 415 | 220 | - | - | - | - | 516 | 425 | 60 | F10 | Tr24x5LH | 91 | 19 | 42 |
| **100** | 300 | 190 | 100 | 220 | 180 | 158 | 20 | 3 | 8-18 | 300 | 117 | 580 | 475 | 250 | - | - | - | - | 611 | 498 | 60 | F10 | Tr26x5LH | 113 | 23 | 77 |
| **125** | 325 | 200 | 125 | 250 | 210 | 188 | 22 | 3 | 8-18 | 325 | 144 | 655 | 525 | 280 | - | - | - | - | 658 | 520 | 60 | F10 | Tr28x5LH | 138 | 28 | 88 |
| **150** | 350 | 210 | 150 | 285 | 240 | 212 | 22 | 3 | 8-22 | 350 | 172 | 750 | 590 | 300 | - | - | - | - | 765 | 607 | 60 | F10 | Tr30x6LH | 158 | 27 | 98 |
| **200** | 400 | 230 | 200 | 340 | 295 | 268 | 24 | 3 | 12-22 | 400 | 223 | 950 | 740 | 350 | - | - | - | - | 970 | 755 | 80 | F14 | Tr32x6LH | 215 | 36 | 172 |
| **250** | 450 | 250 | 250 | 405 | 355 | 320 | 26 | 3 | 12-26 | 450 | 278 | 1180 | 920 | 400 | 1180 | 335 | 262 | 310 | 1114 | 860 | 80 | F14 | Tr36x6LH | 254 | 43 | 227 |
| **300** | 500 | 270 | 300 | 460 | 410 | 378 | 28 | 4 | 12-26 | 500 | 329 | 1335 | 1025 | 450 | 1320 | 385 | 262 | 310 | 1353 | 1045 | 80 | F14 | Tr38x6LH | 308 | 52 | 298 |
| **350** | 550 | 290 | 350 | 520 | 470 | 438 | 30 | 4 | 16-26 | 550 | 362 | 1535 | 1175 | 500 | 1523 | 443 | 340 | 460 | 1465 | 1125 | 100 | F16 | Tr42x8LH | 340 | 43 | 410 |
| **400** | 600 | 310 | 400 | 580 | 525 | 490 | 32 | 4 | 16-30 | 600 | 413 | 1670 | 1260 | 500 | 1770 | 493 | 340 | 460 | 1741 | 1335 | 100 | F16 | Tr46x8LH | 406 | 51 | 550 |
| **450** | 650 | 330 | 450 | 640 | 585 | 550 | 40 | 4 | 20-30 | 650 | 464 | 1620 | 1420 | 600 | 1640 | 525 | 340 | 460 | - | - | 120 | F25 | Tr50x8LH | - | - | 650 |
| **500** | 700 | 350 | 500 | 715 | 650 | 610 | 44 | 4 | 20-33 | 700 | 516 | 2135 | 1620 | 600 | 2189 | 598 | 340 | 460 | 2132 | 1625 | 120 | F25 | Tr50x8LH | 507 | 64 | 864 |
| **600** | 800 | 390 | 600 | 840 | 770 | 725 | 54 | 5 | 20-36 | 800 | 619 | 2325 | 1825 | 700 | 2410 | 630 | 413 | 530 | 2550 | 1940 | 140 | F30 | Tr55x8LH | 610 | 77 | 1528 |
| **700** | 900 | 430 | 700 | 910 | 840 | 795 | (a) | 5 | 24-36 | 900 | 721 | - | - | - | 2865 | 788 | 413 | 530 | - | - | 180 | F35 | Tr65×10LH | - | - | 2105 |

*(a) To be determined / A determinar*

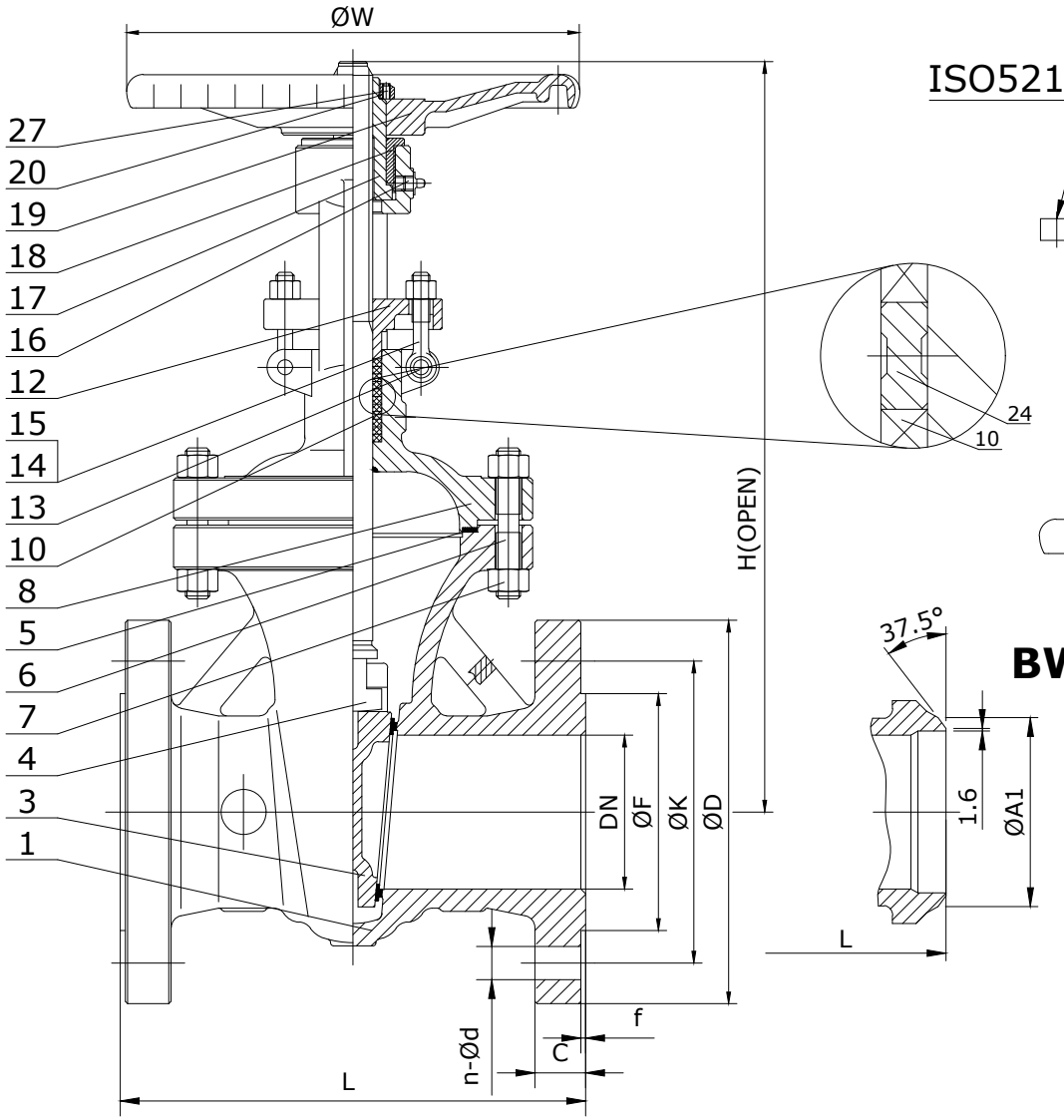
Dimensions in mm. subject to manufacturing tolerance
Dimensiones en mm. sujetas a tolerancias de fabricación

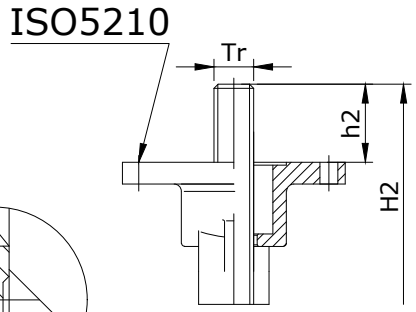
Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
The stated design temperature limits are referred to the unpainted valves.
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These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

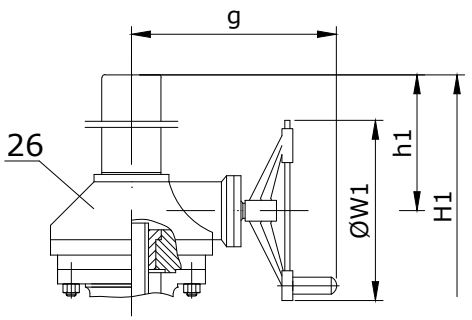
| | | | | |
|---|---|---|---|---|
| Customer/Cliente: - | Project/Proyecto: - | Description/Descripción: GATE VALVES PN16 | | |
| Your Ref./Su Ref.: - | Our Ref./Nuestra Ref.: 229000157 | | | |
| | Rev.250415 | | | |
| Date/Fecha | 15/04/2025 | | | |
| Name/Nombre | aes40557 | | | |
| Comeval® A company of the ARI-Armaturen Group | Drawn/Dibujado: CR | Approved/Aprobado: JG | Checked/Comprob.: DT | Date/Fecha: 02/12/2014 |
| | Drawing N°/Plano N°: GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700 | | | |

UNIFLOW®

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III



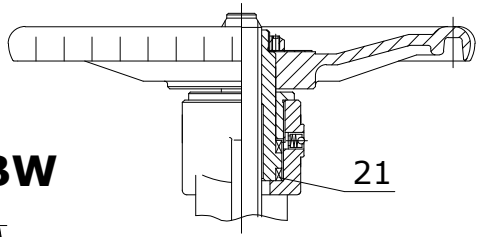





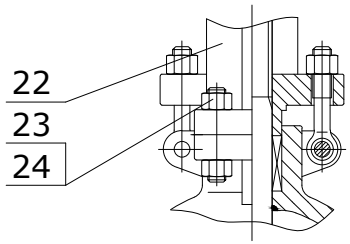





**BW**




Thrust ball bearings
used for DN250 and above




Two pieces bonnet used
for DN150 and above

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
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Los límites de temperatura mostrados se refieren a válvulas sin pintar
These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

**MAIN FEATURES/PRINCIPALES ATRIBUTOS**

- Design/ Diseño: EN 1984-2010
- Nominal Pressure: PN25
- Valve length/ Longitud: DIN 3202 F5
- Valve end connections/Extremos: Flanged to/ Bridas según EN 1092-1 Type 21
- Inspections & tests / Inspecciones y pruebas: EN12266-1/2
- Heat resistant paint, grey aluminium color/Pintura resistente al calor, color gris aluminio

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III

| | | | |
|---|---|---|---|
| Customer/Cliente: - | Project/Proyecto: - | Description/Descripción: GATE VALVES PN25 | |
| Your Ref./Su Ref.: - | Our Ref./Nuestra Ref.: 229000157 | | |
| | Rev.250415 | | |
| Date/Fecha | 15/04/2025 | | |
| Name/Nombre | aes40557 | | |

Comeval® A company of the ARI-Armaturen Group

UNIFLOW®

| Drawn/Dibujado | Approved/Aprobado | Checked/Comprob. | Date/Fecha |
|---|---|---|---|
| CR | JG | DT | 02/12/2014 |

Drawing N°/Plano N°
GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700

| No. | Part/Parte | Material | No. | Part/Parte | Material |
|---|---|---|---|---|---|
| 1 | Body | 1.0619+N+HF | 16 | Greese Injector | Brass |
| 3 | Wedge | 1.0619+N+HF | 17 | Stem Nut | A439 D2 |
| 4 | Stem | A182 F6a | 18 | Retaining Nut | Carbon Steel |
| 5 | Gasket | St. Steel 304 + Graphite | 19 | Handwheel | ASTM A536 |
| 6 | Bolt | A193 B7 | 20 | Handwheel Nut | Carbon Steel |
| 7 | Nut | A194 2H | 21 | Bearings | Alloy Steel |
| 8 | Bonnet | 1.0619+N | 22 | Yoke | 1.0619+N |
| 10 | Packing | Flexible Graphite | 23 | Yoke Bolt | A193 B7 |
| 12 | Gland | 1.0619+N | 24 | Yoke Nut | A194 2H |
| 13 | Pin | Carbon Steel | 26 | Gear | Assembly |
| 14 | Gland Eyebolt | A193 B7 | 27 | Screw | Carbon Steel |
| 15 | Nut | A194 2H | | | |

| Pressure-Temp. Rating | EN1092-1 | |
|---|---|---|
| Shell test pressure | 3.75 | MPa |
| High pressure seal test | 2.75 | |
| Backseat test pressure | 2.75 | |
| Air test pressure | 0.6 | |
| Applicable temperature | -29~450°C | |
| Applicable medium | Water,steam,oil,etc | |
| Pmax:25 bar | Tmax:450°C | Tmin:-29°C |

| Size | End connection | | | | | | | | | | Top works/Operation | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RF | | | | | | | | BW | | | | | | | | | | | | | | | | |
| | L (F5) | ØB | ØD | ØK | ØF | C | f | n-Ød | L | ØA1 | H (open) | H (close) | ØW | H1 | h1 | g | ØW1 | H2 (open) | H2 (close) | h2 | ISO | Tr | Stroke | No. Of turns | Torque (Nm) |
| **050** | 250 | 50 | 165 | 125 | 102 | 20 | 3 | 4-18 | 250 | 62 | 393 | 340 | 200 | - | - | - | - | 405 | 340 | 45 | F07 | Tr20x4LH | 65 | 17 | 32 |
| **065** | 270 | 65 | 185 | 145 | 122 | 22 | 3 | 8-18 | 270 | 77 | 430 | 360 | 200 | - | - | - | - | 460 | 380 | 45 | F07 | Tr22x5LH | 80 | 16 | 35 |
| **080** | 280 | 80 | 200 | 160 | 138 | 24 | 3 | 8-18 | 280 | 91 | 500 | 415 | 220 | - | - | - | - | 516 | 425 | 60 | F10 | Tr24x5LH | 91 | 19 | 42 |
| **100** | 300 | 100 | 235 | 190 | 162 | 24 | 3 | 8-22 | 300 | 117 | 580 | 475 | 250 | - | - | - | - | 611 | 498 | 60 | F10 | Tr26x5LH | 113 | 23 | 77 |
| **125** | 325 | 125 | 270 | 220 | 188 | 26 | 3 | 8-26 | 325 | 144 | 655 | 525 | 280 | - | - | - | - | 658 | 520 | 60 | F10 | Tr28x5LH | 138 | 28 | 88 |
| **150** | 350 | 150 | 300 | 250 | 218 | 28 | 3 | 8-26 | 350 | 172 | 750 | 590 | 300 | - | - | - | - | 765 | 607 | 60 | F10 | Tr30x6LH | 158 | 27 | 98 |
| **200** | 400 | 200 | 360 | 310 | 278 | 30 | 3 | 12-26 | 400 | 223 | 950 | 740 | 350 | - | - | - | - | 970 | 755 | 80 | F14 | Tr32x6LH | 215 | 36 | 172 |
| **250** | 450 | 250 | 425 | 370 | 335 | 32 | 3 | 12-30 | 450 | 278 | 1180 | 920 | 400 | 1180 | 335 | 262 | 310 | 1114 | 860 | 80 | F14 | Tr36x6LH | 254 | 43 | 227 |
| **300** | 500 | 300 | 485 | 430 | 395 | 34 | 4 | 16-30 | 500 | 329 | 1335 | 1025 | 450 | 1320 | 385 | 262 | 310 | 1353 | 1045 | 80 | F14 | Tr38x6LH | 308 | 52 | 298 |
| **350** | 550 | 350 | 555 | 490 | 450 | 38 | 4 | 16-33 | 550 | 362 | 1535 | 1175 | 500 | 1523 | 443 | 340 | 460 | 1465 | 1125 | 100 | F16 | Tr42x8LH | 340 | 43 | 410 |
| **400** | 600 | 400 | 620 | 550 | 505 | 40 | 4 | 16-36 | 600 | 413 | 1670 | 1260 | 500 | 1770 | 493 | 340 | 460 | 1741 | 1335 | 100 | F16 | Tr46x8LH | 406 | 51 | 550 |
| **450** | 650 | 450 | 670 | 600 | 555 | 46 | 4 | 20-36 | 650 | 464 | 1620 | 1420 | 600 | 1640 | 525 | 340 | 460 | - | - | 120 | F25 | Tr50x8LH | - | - | 650 |
| **500** | 700 | 500 | 730 | 660 | 615 | 48 | 4 | 20-36 | 700 | 516 | 2135 | 1620 | 600 | 2189 | 598 | 340 | 460 | 2132 | 1625 | 120 | F25 | Tr50x8LH | 507 | 64 | 864 |
| **600** | 800 | 600 | 845 | 770 | 720 | 58 | 5 | 20-39 | 800 | 619 | 2325 | 1825 | 700 | 2410 | 630 | 413 | 530 | 2550 | 1940 | 140 | F30 | Tr55x8LH | 610 | 77 | 1528 |
| **700** | 900 | 700 | 960 | 875 | 820 | (a) | 5 | 24-42 | 900 | 721 | - | - | - | 2865 | 788 | 413 | 530 | - | - | 180 | F35 | Tr65×10LH | - | - | 2105 |

*(a) To be determined / A determinar*

Dimensions in mm. subject to manufacturing tolerance
Dimensiones en mm. sujetas a tolerancias de fabricación

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
The stated design temperature limits are referred to the unpainted valves.
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Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

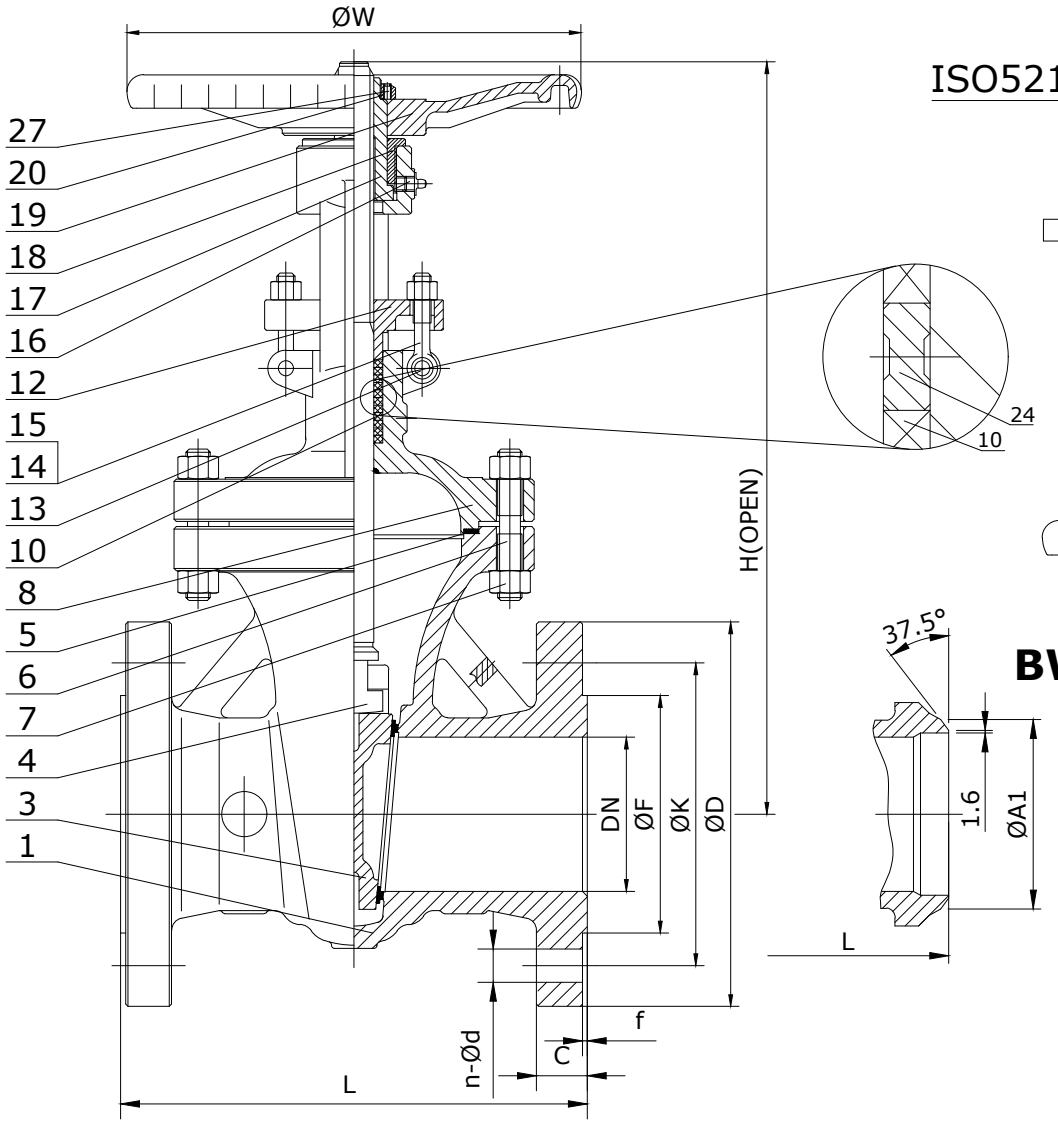
| Customer/Cliente | Project/Proyecto | Description/Descripción |
|---|---|---|
| - | - | UNIFLOW® GATE VALVES PN25 |
| Your Ref./Su Ref. | Our Ref./Nuestra Ref. | |
| - | 229000157 | |
| | Rev.250415 | |
| Date/Fecha | 15/04/2025 | |
| Name/Nombre | aes40557 | |

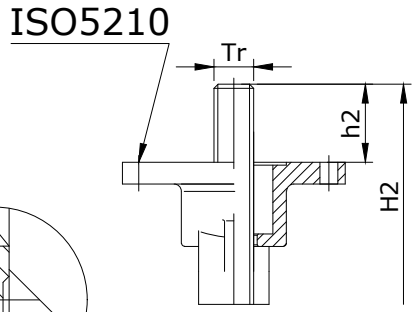
Comeval® A company of the ARI-Armaturen Group

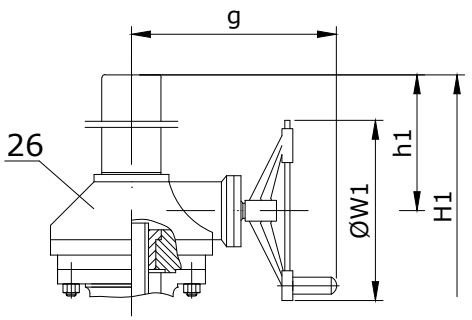
| Drawn/Dibujado | Approved/Aprobado | Checked/Comprob. | Date/Fecha |
|---|---|---|---|
| CR | JG | DT | 02/12/2014 |

Drawing N°/Plano N°
GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III



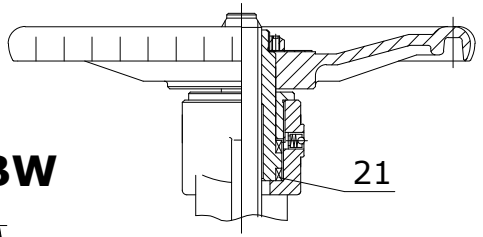



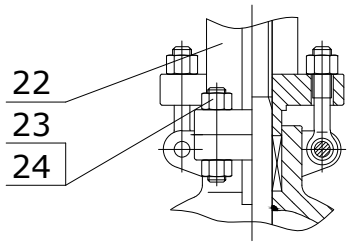




**BW**




Thrust ball bearings
used for DN250 and above




Two pieces bonnet used
for DN150 and above

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
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Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

**MAIN FEATURES/PRINCIPALES ATRIBUTOS**

- Design/ Diseño: EN 1984-2010
- Nominal Pressure: PN40
- Valve length/ Longitud: DIN 3202 F7
- Valve end connections/Extremos: Flanged to/ Bridas según EN 1092-1 Type 21
- Inspections & tests / Inspecciones y pruebas: EN12266-1/2
- Heat resistant paint, grey aluminium color/Pintura resistente al calor, color gris aluminio

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III

| | | | | |
|---|---|---|---|---|
| Customer/Cliente<br>- | Project/Proyecto<br>- | Description/Descripción<br>GATE VALVES PN40 | | |
| Your Ref./Su Ref.<br>- | Our Ref./Nuestra Ref.<br>229000157 | UNIFLOW® | | |
| | Rev.250415 | | | |
| Date/Fecha | 15/04/2025 | | | |
| Name/Nombre | aes40557 | | | |
| Comeval® A company of the ARI-Armaturen Group | Drawn/Dibujado<br>CR | Approved/Aprobado<br>JG | Checked/Comprob.<br>DT | Date/Fecha<br>02/12/2014 |
| | Drawing N°/Plano N°<br>GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700 | | | |

| No. | Part/Parte | Material | No. | Part/Parte | Material |
|---|---|---|---|---|---|
| 1 | Body | 1.0619+N+HF | 16 | Greese Injector | Brass |
| 3 | Wedge | 1.0619+N+HF | 17 | Stem Nut | A439 D2 |
| 4 | Stem | A182 F6a | 18 | Retaining Nut | Carbon Steel |
| 5 | Gasket | St. Steel 304 + Graphite | 19 | Handwheel | ASTM A536 |
| 6 | Bolt | A193 B7 | 20 | Handwheel Nut | Carbon Steel |
| 7 | Nut | A194 2H | 21 | Bearings | Alloy Steel |
| 8 | Bonnet | 1.0619+N | 22 | Yoke | 1.0619+N |
| 10 | Packing | Flexible Graphite | 23 | Yoke Bolt | A193 B7 |
| 12 | Gland | 1.0619+N | 24 | Yoke Nut | A194 2H |
| 13 | Pin | Carbon Steel | 26 | Gear | Assembly |
| 14 | Gland Eyebolt | A193 B7 | 27 | Screw | Carbon Steel |
| 15 | Nut | A194 2H | | | |

| Pressure-Temp. Rating | EN1092-1 | |
|---|---|---|
| Shell test pressure | 6.0 | MPa |
| High pressure seal test | 4.4 | |
| Backseat test pressure | 4.4 | |
| Air test pressure | 0.6 | |
| Applicable temperature | -29~450°C | |
| Applicable medium | Water,steam,oil,etc | |
| Pmax:40 bar | Tmax:450°C | Tmin:-29°C |

| Size | End connection | | | | | | | | | | Top works/Operation | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RF | | | | | | | | BW | | Handwheel | | | Gear with handwheel | | | | With ISO 5210 mounting pad | | | | | | | | |
| | L (F7) | ØB | ØD | ØK | ØF | C | f | n-Ød | L | ØA1 | H (open) | H (close) | ØW | H1 | h1 | g | ØW1 | H2 (open) | H2 (close) | h2 | ISO | Tr | Stroke | No. Of turns | Torque (Nm) |
| **050** | 250 | 50 | 165 | 125 | 102 | 20 | 3 | 4-18 | 250 | 62 | 405 | 350 | 200 | - | - | - | - | 405 | 340 | 60 | F10 | Tr20x4LH | 65 | 17 | 47 |
| **065** | 290 | 65 | 185 | 145 | 122 | 22 | 3 | 8-18 | 290 | 77 | 430 | 360 | 200 | - | - | - | - | 460 | 380 | 60 | F10 | Tr22x5LH | 80 | 16 | 53 |
| **080** | 310 | 80 | 200 | 160 | 138 | 24 | 3 | 8-18 | 310 | 91 | 500 | 415 | 220 | - | - | - | - | 516 | 425 | 60 | F10 | Tr24x5LH | 91 | 19 | 61 |
| **100** | 350 | 100 | 235 | 190 | 162 | 24 | 3 | 8-22 | 350 | 117 | 575 | 470 | 250 | - | - | - | - | 611 | 498 | 80 | F14 | Tr26x5LH | 113 | 23 | 121 |
| **125** | 400 | 125 | 270 | 220 | 188 | 26 | 3 | 8-26 | 400 | 144 | 640 | 510 | 280 | - | - | - | - | 658 | 520 | 80 | F14 | Tr28x5LH | 138 | 28 | 182 |
| **150** | 450 | 150 | 300 | 250 | 218 | 28 | 3 | 8-26 | 450 | 172 | 745 | 585 | 300 | - | - | - | - | 765 | 607 | 80 | F14 | Tr30x6LH | 158 | 27 | 205 |
| **200** | 550 | 200 | 375 | 320 | 285 | 34 | 3 | 12-30 | 550 | 223 | 1000 | 790 | 400 | - | - | - | - | 998 | 788 | 80 | F14 | Tr36x6LH | 210 | 35 | 342 |
| **250** | 650 | 250 | 450 | 385 | 345 | 38 | 3 | 12-33 | 650 | 278 | 1278 | 1006 | 450 | 1274 | 355 | 340 | 460 | 1161 | 900 | 100 | F16 | Tr38x6LH | 261 | 44 | 579 |
| **300** | 750 | 300 | 515 | 450 | 410 | 42 | 4 | 16-33 | 750 | 329 | 1510 | 1201 | 500 | 1620 | 392 | 340 | 460 | 1365 | 1050 | 120 | F25 | Tr42x8LH | 315 | 40 | 786 |
| **350** | 850 | 350 | 580 | 510 | 465 | 46 | 4 | 16-36 | 850 | 362 | 1670 | 1308 | 550 | 1791 | 445 | 340 | 460 | 1541 | 1185 | 120 | F25 | Tr46x8LH | 356 | 45 | 1139 |
| **400** | 950 | 400 | 660 | 585 | 535 | 50 | 4 | 16-39 | 950 | 413 | 1898 | 1483 | 600 | 2092 | 498 | 340 | 460 | 1801 | 1395 | 140 | F30 | Tr48x8LH | 406 | 51 | 1448 |
| **450** | 1050 | 450 | 685 | 610 | 560 | 57 | 4 | 20-39 | 1050 | 464 | - | - | - | 2192 | 570 | 413 | 530 | - | - | 140 | F30 | Tr52x8LH | - | - | 1945 |
| **500** | 1150 | 500 | 755 | 670 | 615 | 57 | 4 | 20-42 | 1150 | 516 | - | - | - | 2257 | 632 | 413 | 530 | 2315 | 1768 | 140 | F30 | Tr52x8LH | 547 | 69 | 2483 |
| **600** | 1350 | 600 | 890 | 795 | 735 | 72 | 5 | 20-48 | 1350 | 619 | - | - | - | 2724 | 730 | 413 | 530 | 2762 | 2140 | 180 | F35 | Tr60x8LH | 622 | 78 | 3910 |

*(a) To be determined / A determinar*

Dimensions in mm. subject to manufacturing tolerance
Dimensiones en mm. sujetas a tolerancias de fabricación

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
The stated design temperature limits are referred to the unpainted valves.
Los límites de temperatura mostrados se refieren a válvulas sin pintar
These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

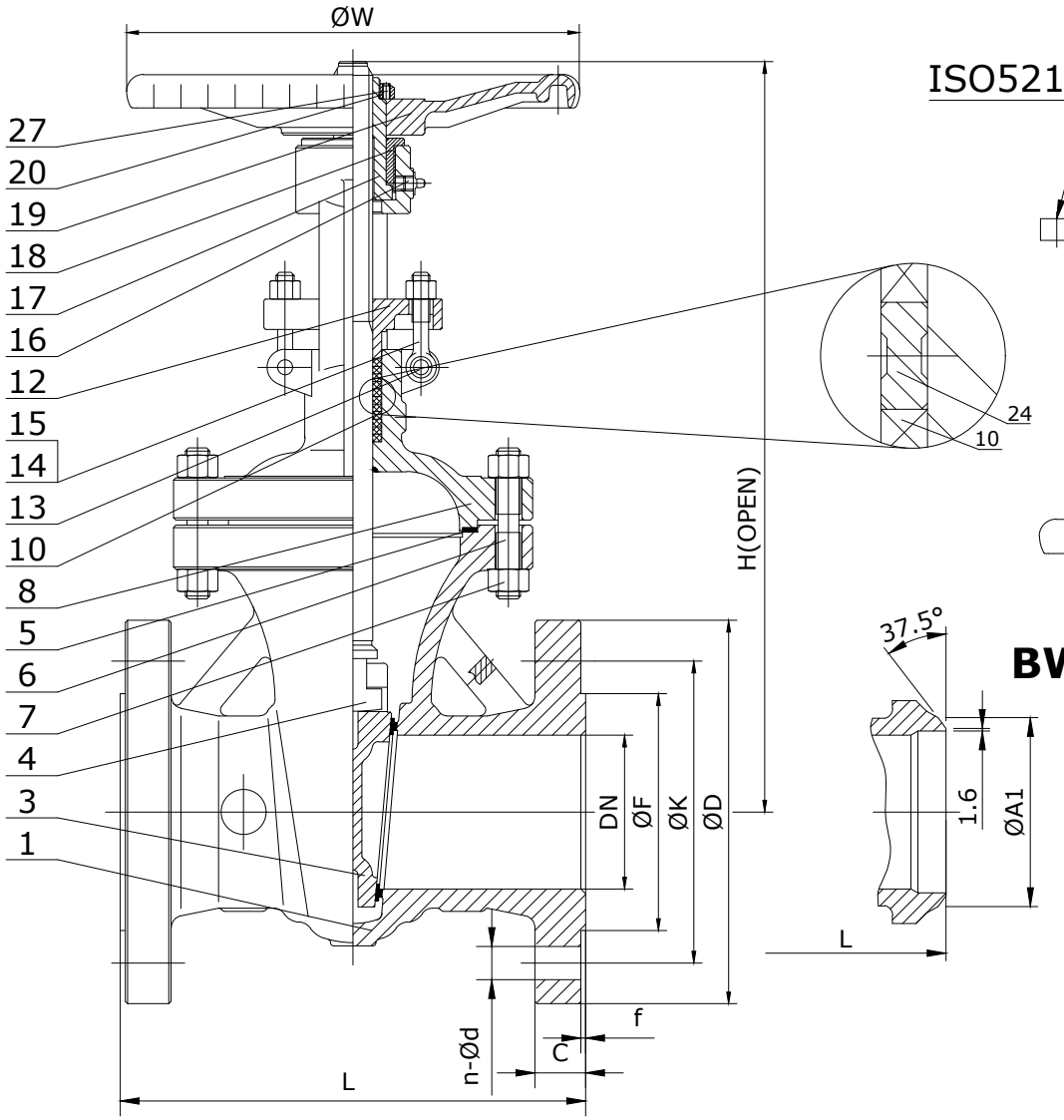
| Customer/Cliente | Project/Proyecto | Description/Descripción |
|---|---|---|
| - | - | UNIFLOW® GATE VALVES PN40 |
| Your Ref./Su Ref. | Our Ref./Nuestra Ref. | |
| - | 229000157 | |
| | Rev.250415 | |
| Date/Fecha | 15/04/2025 | |
| Name/Nombre | aes40557 | |

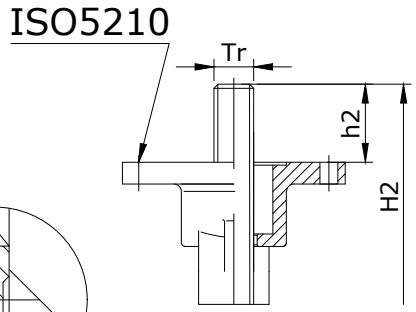
Comeval® A company of the ARI-Armaturen Group

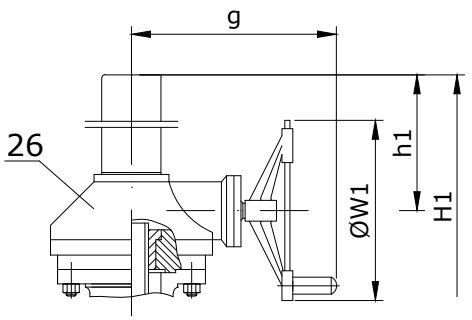
| Drawn/Dibujado | Approved/Aprobado | Checked/Comprob. | Date/Fecha |
|---|---|---|---|
| CR | JG | DT | 02/12/2014 |

Drawing N°/Plano N°
GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III



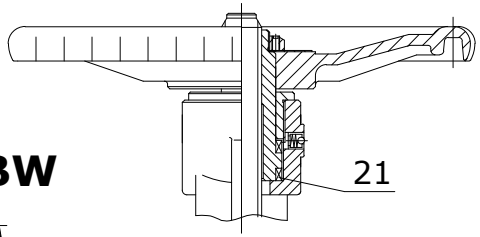





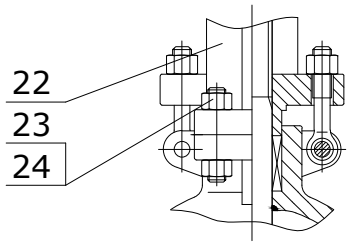





**BW**




Thrust ball bearings
used for DN250 and above




Two pieces bonnet used
for DN150 and above

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
The stated design temperature limits are referred to the unpainted valves.
Los límites de temperatura mostrados se refieren a válvulas sin pintar
These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

**MAIN FEATURES/PRINCIPALES ATRIBUTOS**

- Design/ Diseño: EN 1984-2010
- Nominal Pressure: PN63
- Valve length/ Longitud: DIN 3202 F7
- Valve end connections/Extremos: Flanged to/ Bridas según EN 1092-1 Type 21
- Inspections & tests / Inspecciones y pruebas: EN12266-1/2
- Heat resistant paint, grey aluminium color/Pintura resistente al calor, color gris aluminio

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III

| | | | | |
|---|---|---|---|---|
| Customer/Cliente<br>- | Project/Proyecto<br>- | Description/Descripción<br>GATE VALVES PN63 | | |
| Your Ref./Su Ref.<br>- | Our Ref./Nuestra Ref.<br>229000157 | UNIFLOW® | | |
| | Rev.250415 | | | |
| Date/Fecha | 15/04/2025 | | | |
| Name/Nombre | aes40557 | | | |
| Comeval® A company of the ARI-Armaturen Group | Drawn/Dibujado<br>CR | Approved/Aprobado<br>JG | Checked/Comprob.<br>DT | Date/Fecha<br>02/12/2014 |
| | Drawing N°/Plano N°<br>GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700 | | | |

| No. | Part/Parte | Material | No. | Part/Parte | Material |
|---|---|---|---|---|---|
| 1 | Body | 1.0619+N+HF | 16 | Greese Injector | Brass |
| 3 | Wedge | 1.0619+N+HF | 17 | Stem Nut | A439 D2 |
| 4 | Stem | A182 F6a | 18 | Retaining Nut | Carbon Steel |
| 5 | Gasket | St. Steel 304 + Graphite | 19 | Handwheel | ASTM A536 |
| 6 | Bolt | A193 B7 | 20 | Handwheel Nut | Carbon Steel |
| 7 | Nut | A194 2H | 21 | Bearings | Alloy Steel |
| 8 | Bonnet | 1.0619+N | 22 | Yoke | 1.0619+N |
| 10 | Packing | Flexible Graphite | 23 | Yoke Bolt | A193 B7 |
| 12 | Gland | 1.0619+N | 24 | Yoke Nut | A194 2H |
| 13 | Pin | Carbon Steel | 26 | Gear | Assembly |
| 14 | Gland Eyebolt | A193 B7 | 27 | Screw | Carbon Steel |
| 15 | Nut | A194 2H | | | |

| | | |
|---|---|---|
| Pressure-Temp. Rating | EN1092-1 | |
| Shell test pressure | 9.45 | MPa |
| High pressure seal test | 6.93 | |
| Backseat test pressure | 6.93 | |
| Air test pressure | 0.6 | |
| Applicable temperature | -29~450°C | |
| Applicable medium | Water,steam,oil,etc | |
| Pmax:63 bar | Tmax:450°C | Tmin:-29°C |

| Size | End connection | | | | | | | | | | Top works/Operation | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RF | | | | | | | | BW | | Handwheel | | | Gear with handwheel | | | | With ISO 5210 mounting pad | | | | | | | |
| | L (F7) | ØB | ØD | ØK | ØF | C | f | n-Ød | L | ØA1 | H (open) | H (close) | ØW | H1 | h1 | g | ØW1 | H2 (open) | H2 (close) | h2 | ISO | Tr | Stroke | No. Of turns | Torque (Nm) |
| **050** | 250 | 50 | 180 | 135 | 102 | 26 | 3 | 4-22 | 250 | 62 | 426 | 371 | 200 | - | - | - | - | 426 | 371 | 60 | F10 | Tr20x4-LH | 55 | 14 | (1) |
| **065** | 290 | 65 | 205 | 160 | 122 | 26 | 3 | 8-22 | 290 | 77 | 463 | 393 | 200 | - | - | - | - | 463 | 393 | 60 | F10 | Tr22x5-LH | 70 | 14 | (1) |
| **080** | 310 | 80 | 215 | 170 | 138 | 28 | 3 | 8-22 | 310 | 91 | 530 | 442 | 220 | - | - | - | - | 545 | 460 | 60 | F10 | Tr24x5-LH | 85 | 17 | (1) |
| **100** | 350 | 100 | 250 | 200 | 162 | 30 | 3 | 8-26 | 350 | 117 | 611 | 496 | 250 | - | - | - | - | 622 | 507 | 80 | F12 | Tr26x5-LH | 115 | 23 | (1) |
| **125** | 400 | 125 | 295 | 240 | 188 | 34 | 3 | 8-30 | 400 | 144 | 725 | 588 | 350 | - | - | - | - | 725 | 588 | 80 | F12 | Tr32x6-LH | 137 | 23 | (1) |
| **150** | 450 | 150 | 345 | 280 | 218 | 36 | 3 | 8-33 | 450 | 172 | 833 | 668 | 350 | - | - | - | - | 833 | 668 | 100 | F14 | Tr32x6-LH | 165 | 28 | (1) |
| **200** | 550 | 200 | 415 | 345 | 285 | 42 | 3 | 12-36 | 550 | 223 | 1038 | 823 | 450 | - | - | - | - | 1035 | 820 | 110 | F16 | Tr38x6-LH | 215 | 36 | (1) |
| **250** | 650 | 250 | 470 | 400 | 345 | 46 | 3 | 12-36 | 650 | 278 | - | - | - | 1765 | 348 | 340 | 460 | 1750 | 1490 | 120 | F25 | Tr42x8-LH | 260 | 33 | (1) |
| **300** | 750 | 300 | 530 | 460 | 410 | 52 | 4 | 16-36 | 750 | 329 | - | - | - | 2135 | 398 | 340 | 460 | 2125 | 1810 | 120 | F25 | Tr46x8-LH | 315 | 40 | (1) |
| **350** | 850 | 350 | 600 | 525 | 465 | 56 | 4 | 16-39 | 850 | 362 | - | - | - | 2575 | 448 | 340 | 460 | 2562 | 2197 | 140 | F30 | Tr52x8-LH | 365 | 46 | (1) |
| **400** | 950 | 400 | 670 | 585 | 535 | 60 | 4 | 16-42 | 950 | 413 | - | - | - | 2838 | 523 | 413 | 530 | 2810 | 2395 | 140 | F30 | Tr55x8-LH | 415 | 52 | (1) |

*(1) Under request / Bajo petición*

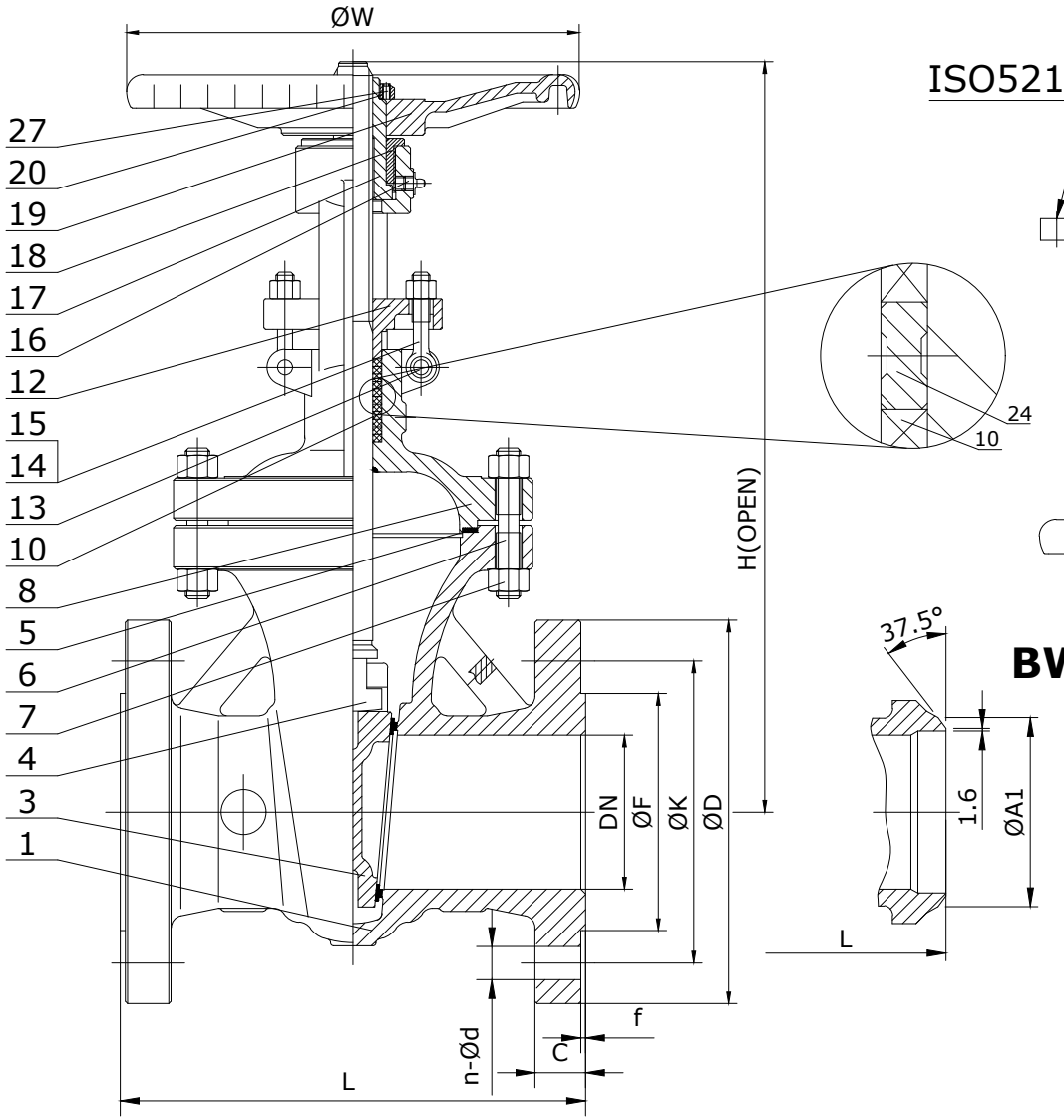
Dimensions in mm. subject to manufacturing tolerance
Dimensiones en mm. sujetas a tolerancias de fabricación

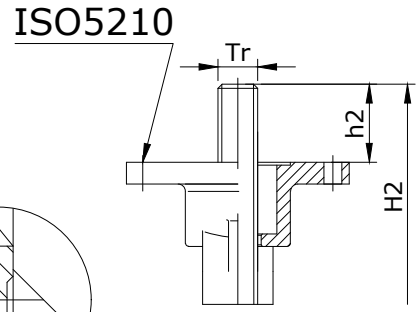
Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
The stated design temperature limits are referred to the unpainted valves.
Los límites de temperatura mostrados se refieren a válvulas sin pintar
These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

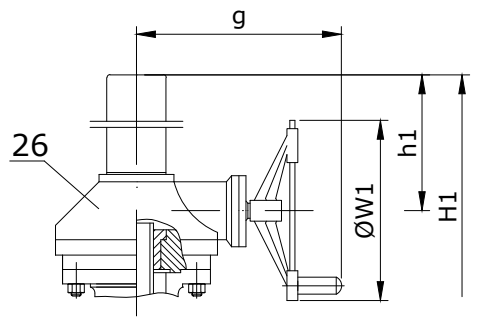
| | | | | |
|---|---|---|---|---|
| Customer/Cliente: - | Project/Proyecto: - | Description/Descripción: GATE VALVES PN63 | | |
| Your Ref./Su Ref.: - | Our Ref./Nuestra Ref.: 229000157 | | | |
| | Rev.250415 | | | |
| Date/Fecha | 15/04/2025 | | | |
| Name/Nombre | aes40557 | | | |
| Comeval® A company of the ARI-Armaturen Group | Drawn/Dibujado: CR | Approved/Aprobado: JG | Checked/Comprob.: DT | Date/Fecha: 02/12/2014 |
| | Drawing N°/Plano N°: GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700 | | | |

UNIFLOW®

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III



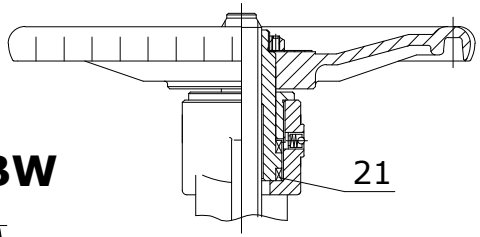





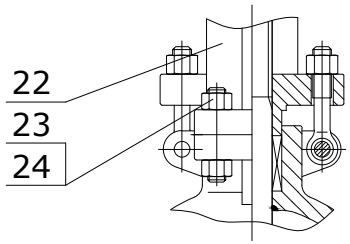





**BW**




Thrust ball bearings
used for DN250 and above




Two pieces bonnet used
for DN150 and above

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
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These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

**MAIN FEATURES/PRINCIPALES ATRIBUTOS**

- Design/ Diseño: EN 1984-2010
- Nominal Pressure: PN100
- Valve length/ Longitud: DIN 3202 F7
- Valve end connections/Extremos: Flanged to/ Bridas según EN 1092-1 Type 21
- Inspections & tests / Inspecciones y pruebas: EN12266-1/2
- Heat resistant paint, grey aluminium color/Pintura resistente al calor, color gris aluminio

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III

| | | | | |
|---|---|---|---|---|
| Customer/Cliente<br>- | Project/Proyecto<br>- | Description/Descripción | | |
| Your Ref./Su Ref.<br>- | Our Ref./Nuestra Ref.<br>229000157 | UNIFLOW® | GATE VALVES PN100 | |
| | Rev.250415 | | | |
| Date/Fecha | 15/04/2025 | | | |
| Name/Nombre | aes40557 | | | |
| Comeval® A company of the ARI-Armaturen Group | Drawn/Dibujado<br>CR | Approved/Aprobado<br>JG | Checked/Comprob.<br>DT | Date/Fecha<br>02/12/2014 |
| | Drawing N°/Plano N°<br>GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700 | | | |

| No. | Part/Parte | Material | No. | Part/Parte | Material |
|---|---|---|---|---|---|
| 1 | Body | 1.0619+N+HF | 16 | Greese Injector | Brass |
| 3 | Wedge | 1.0619+N+HF | 17 | Stem Nut | A439 D2 |
| 4 | Stem | A182 F6a | 18 | Retaining Nut | Carbon Steel |
| 5 | Gasket | St. Steel 304 + Graphite | 19 | Handwheel | ASTM A536 |
| 6 | Bolt | A193 B7 | 20 | Handwheel Nut | Carbon Steel |
| 7 | Nut | A194 2H | 21 | Bearings | Alloy Steel |
| 8 | Bonnet | 1.0619+N | 22 | Yoke | 1.0619+N |
| 10 | Packing | Flexible Graphite | 23 | Yoke Bolt | A193 B7 |
| 12 | Gland | 1.0619+N | 24 | Yoke Nut | A194 2H |
| 13 | Pin | Carbon Steel | 26 | Gear | Assembly |
| 14 | Gland Eyebolt | A193 B7 | 27 | Screw | Carbon Steel |
| 15 | Nut | A194 2H | | | |

| Pressure-Temp. Rating | EN1092-1 | |
|---|---|---|
| Shell test pressure | 15.0 | MPa |
| High pressure seal test | 11.0 | |
| Backseat test pressure | 11.0 | |
| Air test pressure | 0.6 | |
| Applicable temperature | -29~450°C | |
| Applicable medium | Water,steam,oil,etc | |
| Pmax:100 bar | Tmax:450°C | Tmin:-29°C |

| Size | End connection | | | | | | | | | | Top works/Operation | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RF | | | | | | | | BW | | Handwheel | | | Gear with handwheel | | | | With ISO 5210 mounting pad | | | | | | | |
| | L (F7) | ØB | ØD | ØK | ØF | C | f | n-Ød | L | ØA1 | H (open) | H (close) | ØW | H1 | h1 | g | ØW1 | H2 (open) | H2 (close) | h2 | ISO | Tr | Stroke | No. Of turns | Torque (Nm) |
| **050** | 250 | 50 | 195 | 145 | 102 | 30 | 3 | 4-26 | 250 | 62 | 440 | 385 | 220 | - | - | - | - | 440 | 385 | 60 | F10 | Tr20x4-LH | 55 | 14 | (1) |
| **065** | 290 | 65 | 220 | 170 | 122 | 34 | 3 | 8-26 | 290 | 77 | 470 | 396 | 250 | - | - | - | - | 470 | 396 | 60 | F10 | Tr22x5-LH | 74 | 15 | (1) |
| **080** | 310 | 80 | 230 | 180 | 138 | 36 | 3 | 8-26 | 310 | 91 | 538 | 450 | 350 | - | - | - | - | 538 | 450 | 80 | F12 | Tr26x5-LH | 88 | 18 | (1) |
| **100** | 350 | 100 | 265 | 210 | 162 | 40 | 3 | 8-30 | 350 | 117 | 617 | 507 | 350 | - | - | - | - | 610 | 510 | 80 | F12 | Tr30x6-LH | 100 | 17 | (1) |
| **125** | 400 | 125 | 315 | 250 | 188 | 40 | 3 | 8-33 | 400 | 144 | 720 | 585 | 400 | - | - | - | - | 727 | 592 | 100 | F14 | Tr36x6-LH | 135 | 23 | (1) |
| **150** | 450 | 150 | 355 | 290 | 218 | 44 | 3 | 12-33 | 450 | 172 | 855 | 695 | 450 | - | - | - | - | 850 | 690 | 110 | F16 | Tr38x6-LH | 160 | 27 | (1) |
| **200** | 550 | 200 | 430 | 360 | 285 | 52 | 3 | 12-36 | 550 | 223 | - | - | - | 1260 | 293 | 340 | 460 | 1185 | 970 | 110 | F16 | Tr42x8-LH | 215 | 27 | (1) |
| **250** | 650 | 250 | 505 | 430 | 345 | 60 | 3 | 12-39 | 650 | 278 | - | - | - | 1655 | 348 | 340 | 460 | 1565 | 1300 | 120 | F25 | Tr48x8-LH | 265 | 34 | (1) |
| **300** | 750 | 300 | 585 | 500 | 410 | 68 | 4 | 16-42 | 750 | 329 | - | - | - | 1985 | 418 | 413 | 530 | 1876 | 1561 | 140 | F30 | Tr52x8-LH | 315 | 40 | (1) |
| **350** | 850 | 350 | 655 | 560 | 465 | 74 | 4 | 16-48 | 850 | 362 | - | - | - | 2195 | 473 | 413 | 530 | 1925 | 1560 | 140 | F30 | Tr58x8-LH | 365 | 46 | (1) |

*(1) Under request / Bajo petición*

Dimensions in mm. subject to manufacturing tolerance
Dimensions en mm. sujetas a tolerancias de fabricación

Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es
The stated design temperature limits are referred to the unpainted valves.
Los límites de temperatura mostrados se refieren a válvulas sin pintar
These values are / maybe constrained by the coating / paint system temperature limits applied onto the product.
Estos valores están/pueden estar limitados por el límite de temperatura del revestimiento/sistema de pintura aplicado al producto

CE PRODUCT COMPLIANT WITH PRESSURE EQUIPMENT DIRECTIVE PED, MAX. CATEGORY III/
PRODUCTO CONFORME A LA DIRECTIVA DE EQUIPOS A PRESIÓN PED, MÁX. CATEGORÍA III

| Customer/Cliente | Project/Proyecto | Description/Descripción |
|---|---|---|
| - | - | UNIFLOW® GATE VALVES PN100 |
| Your Ref./Su Ref. - | Our Ref./Nuestra Ref. 229000157 | |
| | Rev.250415 | |
| Date/Fecha | 15/04/2025 | |
| Name/Nombre | aes40557 | |

Comeval® A company of the ARI-Armaturen Group

| Drawn/Dibujado | Approved/Aprobado | Checked/Comprob. | Date/Fecha |
|---|---|---|---|
| CR | JG | DT | 02/12/2014 |

Drawing N°/Plano N°
GD90-A05-0_V-0_G_F-0-16_25_40_63_P0-0-050_700