






iSystem 18











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BOQUILLAS UNITARIAS
SINGLE NOZZLES

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GAMA DE PUNTERAS
GATE RANGES

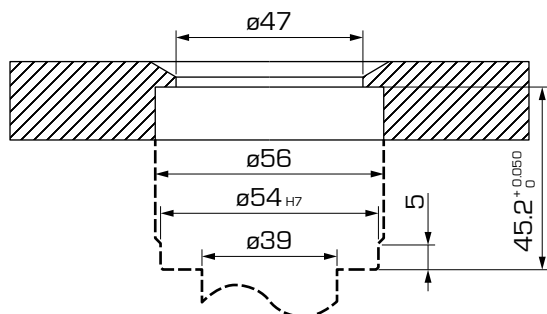
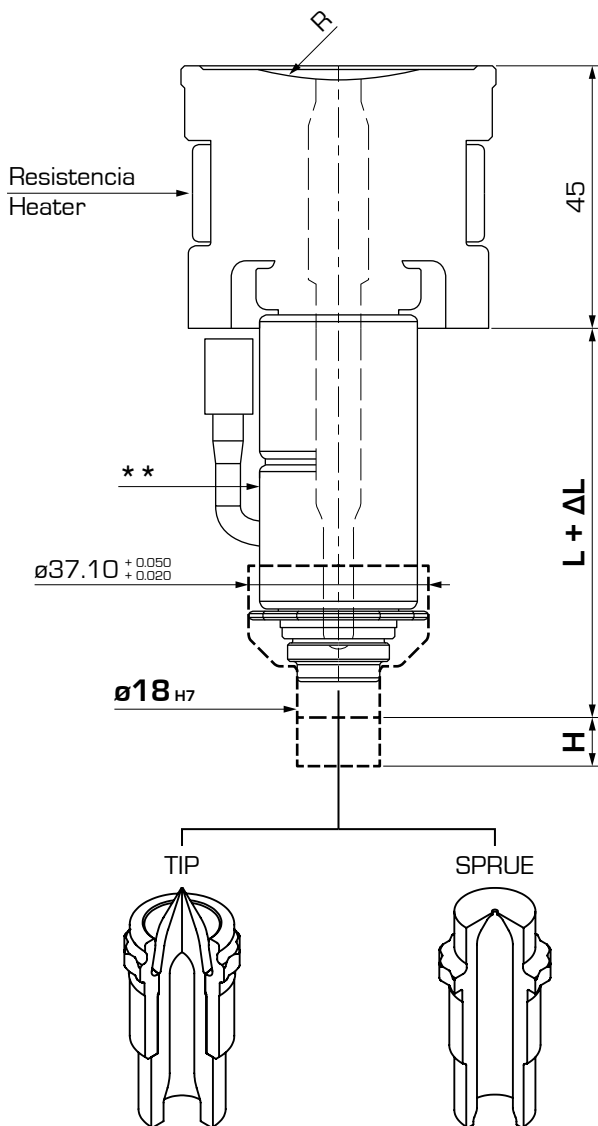
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S01 Boquilla unitaria
Single nozzle

Código boquilla:

S01-18-LXXX-RXX

Nozzle code:



| L mm | LXXX |
|-------|------|
| 60 | 060 |
| 85 | 085 |
| 110 | 110 |
| *135 | 135 |
| *160 | 160 |
| *185 | 185 |
| *210 | 210 |
| **235 | 235 |
| **260 | 260 |
| **285 | 285 |

* Nos reservamos la posibilidad de usar dos o más resistencias en el cuerpo de la boquilla en función de la aplicación. Contactar al departamento técnico.
** Se deben usar dos o más resistencias en el cuerpo de la boquilla.

* We will delay the decision to use two or more heaters in the nozzle according to the application. Please contact our technical department.
** It is necessary to use two or more heaters in the nozzle body.

| R mm | RXX |
|------|-----|
| 0 | R01 |
| 15 | R02 |
| 40 | R03 |

| Chaflán Chamfer | RXX |
|-----------------|------|
| 70° | SM70 |

$$\Delta L = (\text{Melt. Temp.} - \text{Mould Temp.}) \times 0.0000132 \times L$$

$$\text{Ex. : } (250 - 50) \times 0.0000132 \times 100 = 0.264 \text{ mm}$$

S02 Boquilla unitaria cabeza mecanizable
Single nozzle with machinable head

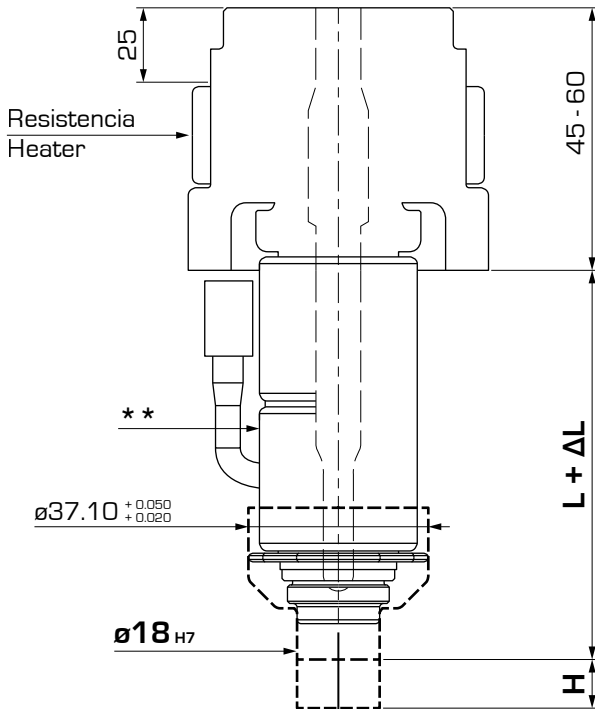
Nota: aplicaciones opcionales, ejecución a cargo del cliente.

Note: optional application processed by the customer.

Código boquilla:

S02-18-LXXX

Nozzle code:



| L mm | LXXX |
|-------|------|
| 60 | 060 |
| 85 | 085 |
| 110 | 110 |
| *135 | 135 |
| *160 | 160 |
| *185 | 185 |
| *210 | 210 |
| **235 | 235 |
| **260 | 260 |
| **285 | 285 |

* Nos reservamos la posibilidad de usar dos o más resistencias en el cuerpo de la boquilla en función de la aplicación. Contactar al departamento técnico.
** Se deben usar dos o más resistencias en el cuerpo de la boquilla.

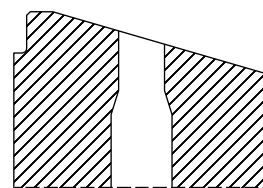
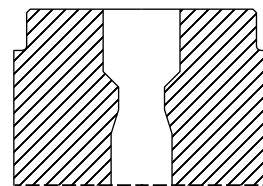
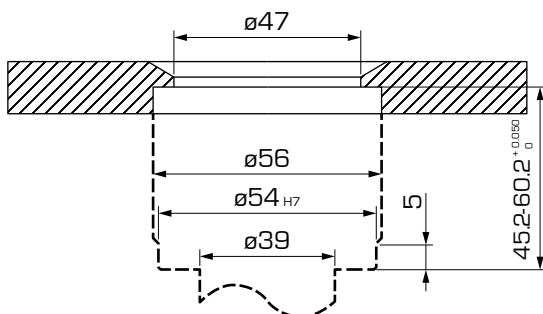
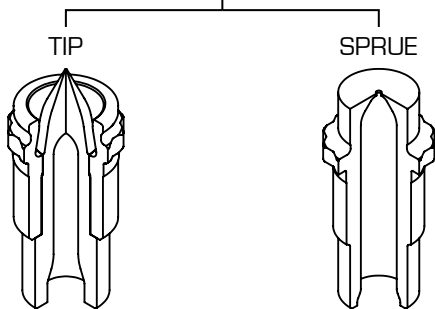
* We will delay the decision to use two or more heaters in the nozzle body according to the application. Please contact our technical department.
** It is necessary to use two or more heaters in the nozzle body.

$$\Delta L = (\text{Melt. Temp.} - \text{Mould Temp.}) \times 0.0000132 \times L$$

Ex. : $(250 - 50) \times 0.0000132 \times 100 = 0.264 \text{ mm}$

Mecanizados cabeza de boquillas

Working possibilities for nozzle's head



S05 Boquilla unitaria Eco-Line
Single nozzle Eco-Line

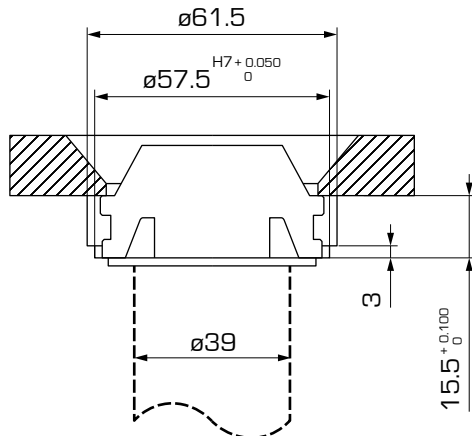
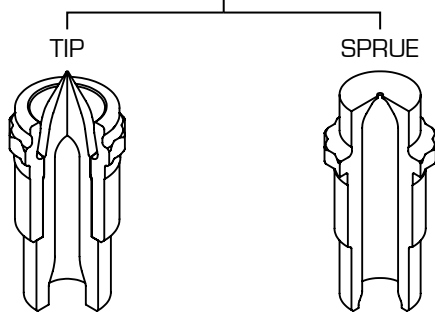
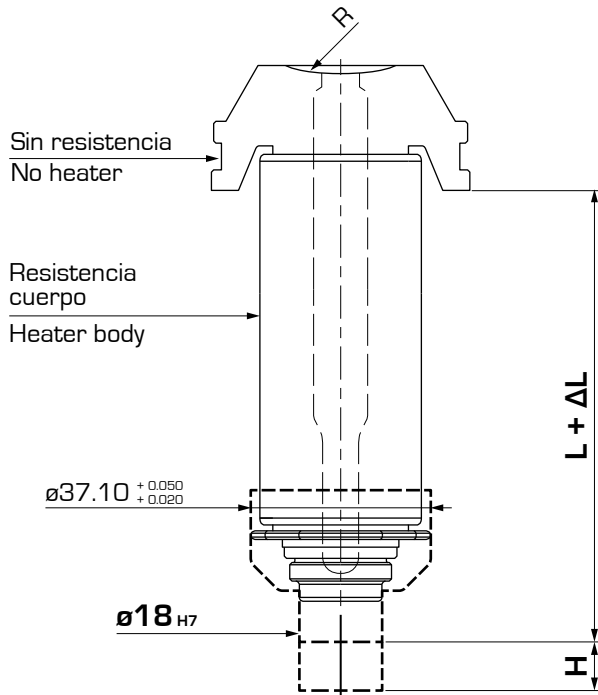
Nota: esta boquilla unitaria puede utilizarse solo para inyección de PP y/o PE (HDPE, LDPE).

Note: this single nozzle can be used to inject PP and/or PE (HDPE, LDPE) only.

Código boquilla:

S05-18-LXXX-RXX

Nozzle code:



| L mm | LXXX |
|------|------|
| 59 | 059 |
| 84 | 084 |
| 109 | 109 |

| R mm | RXX |
|------|-----|
| 0 | R01 |
| 40 | R03 |

$$\Delta L = (\text{Melt. Temp.} - \text{Mould Temp.}) \times 0.0000132 \times L$$

Ex. : $(250 - 50) \times 0.0000132 \times 100 = 0.264 \text{ mm}$

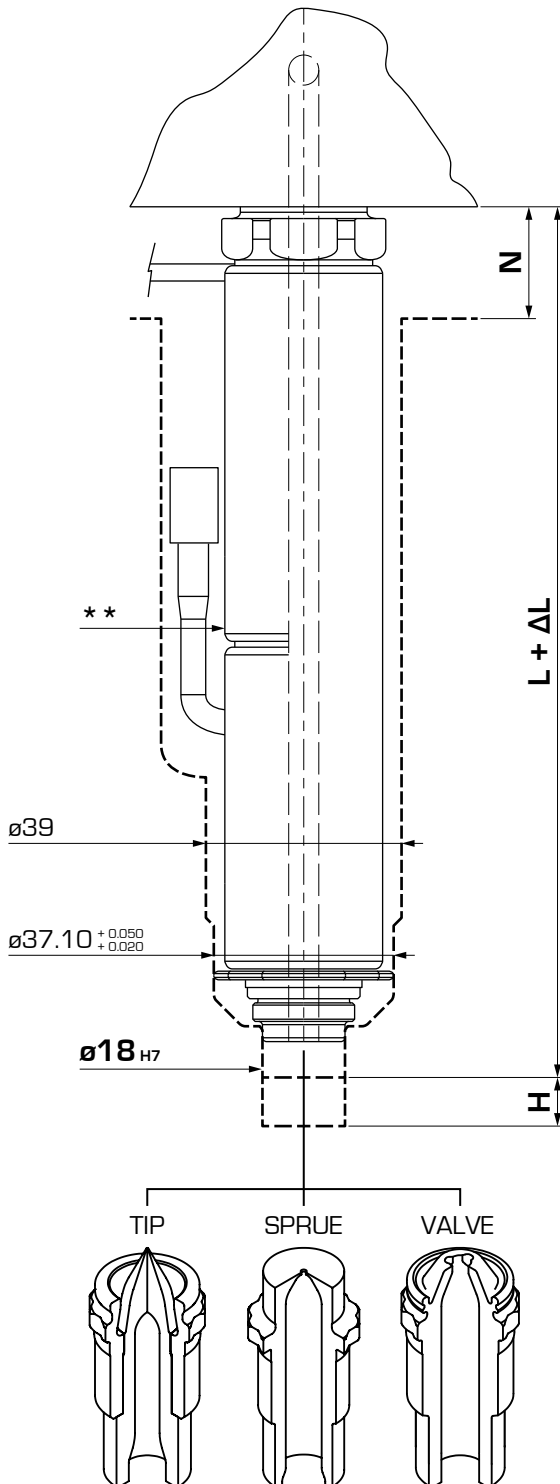
M01 Boquilla
Nozzle

Nota: la longitud de la boquilla debe ser de al menos la mitad de la distancia entre el eje del distribuidor y el eje de la boquilla.

Note: the nozzle length must be greater than the half distance between the manifold fulcrum and nozzle axis.

Código boquilla:
Nozzle code:

M01-18-LXXX



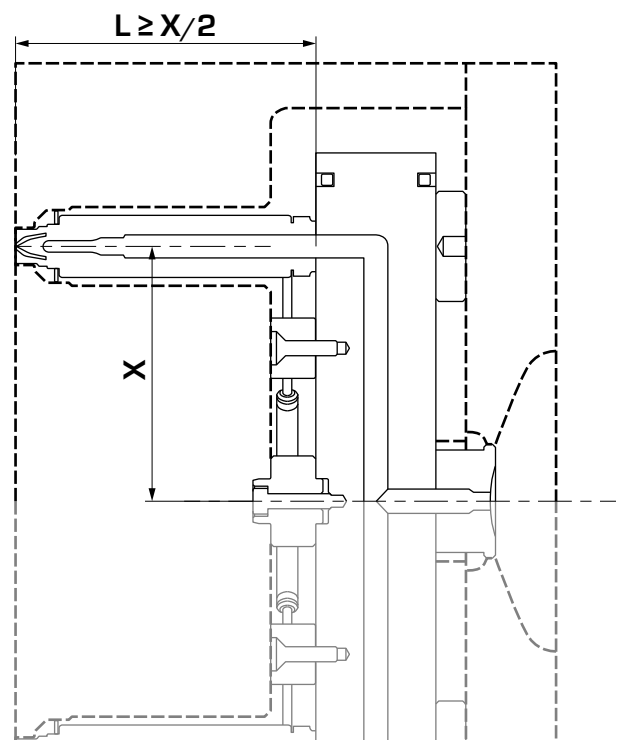
| L mm | LXXX | N |
|-------|------------|-----------|
| 75 | 075 | pp. 85-86 |
| 100 | 100 | pp. 85-86 |
| 125 | 125 | pp. 85-86 |
| *150 | 150 | pp. 85-86 |
| *175 | 175 | pp. 85-86 |
| *200 | 200 | pp. 85-86 |
| *225 | 225 | pp. 85-86 |
| **250 | 250 | pp. 85-86 |
| **275 | 275 | pp. 85-86 |
| **300 | 300 | pp. 85-86 |

* Nos reservamos la posibilidad de usar dos o más resistencias en el cuerpo de la boquilla en función de la aplicación. Contactar al departamento técnico.
** Se deben usar dos o más resistencias en el cuerpo de la boquilla.

* We will delay the decision to use two or more heaters in the nozzle body according to the application. Please contact our technical department.
** It is necessary to use two or more heaters in the nozzle body.

$$\Delta L = (\text{Melt. Temp.} - \text{Mould Temp.}) \times 0.0000132 \times L$$

Ex. : $(250 - 50) \times 0.0000132 \times 100 = 0.264 \text{ mm}$



H01 **Distribuidor standard, dos puntos en línea** **Standard manifold, two drops in line**

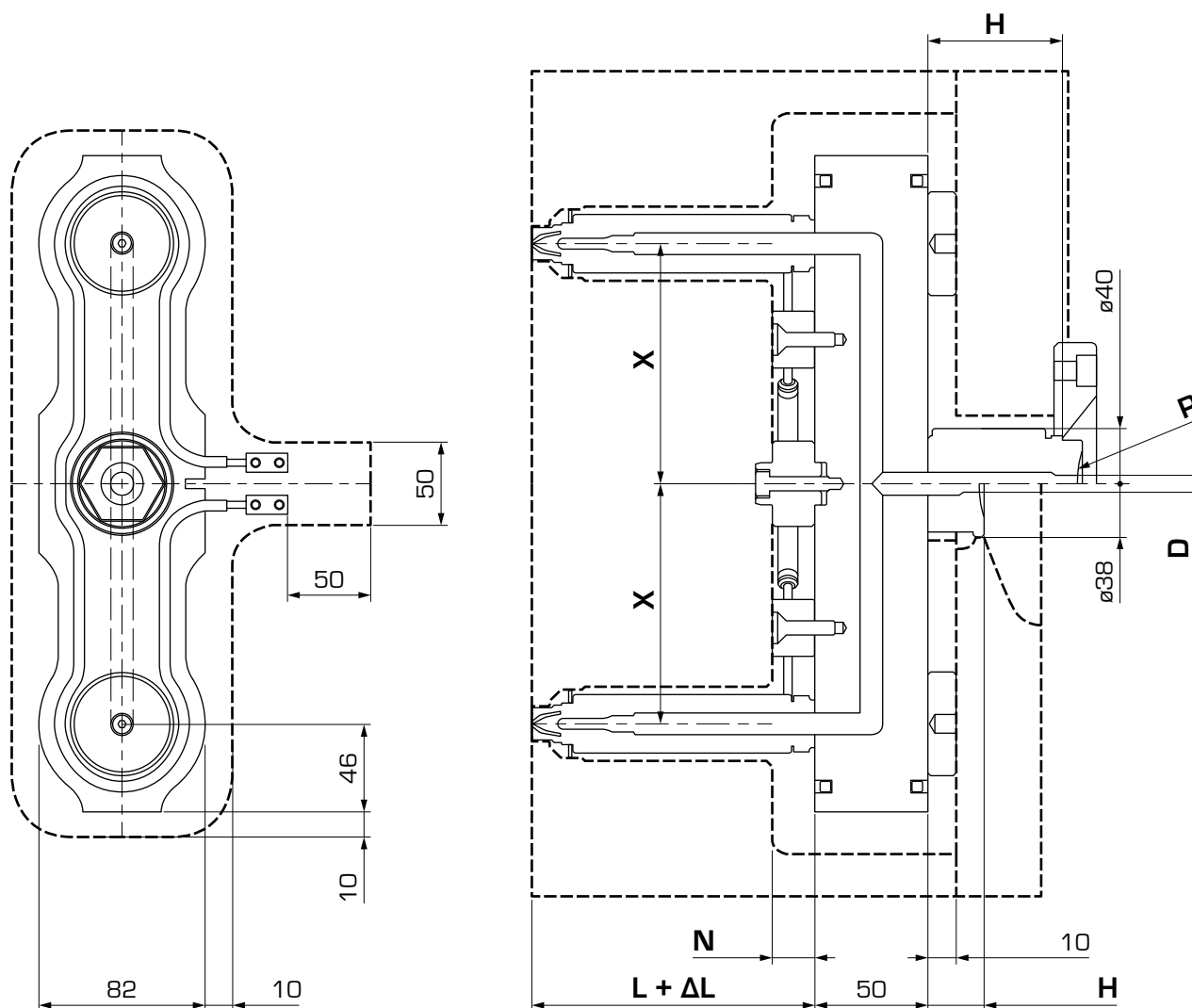
Nota: para dimensiones no indicadas en la tabla, contacta el departamento técnico.

Note: please contact our technical department if you require different dimensions.

Código distribuidor:

H01-18-XX

Manifold code:



| X mm | XX | N mm | H, D, R | L mm | | | | | | | | | | |
|------|------------|---------|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | | | | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | |
| 75 | 075 | 20 [25] | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 100 | 100 | 20 [25] | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 125 | 125 | 20 [25] | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 150 | 150 | 20 [25] | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 175 | 175 | 20 [25] | pp. 89 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 200 | 200 | 20 [25] | pp. 89 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 225 | 225 | 20 [25] | pp. 89 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 250 | 250 | 20 [25] | pp. 89 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● |

[] - opcional

[] - optional

H02 Distribuidor standard, dos puntos en línea con obturador Valve gate standard manifold, two drops in line

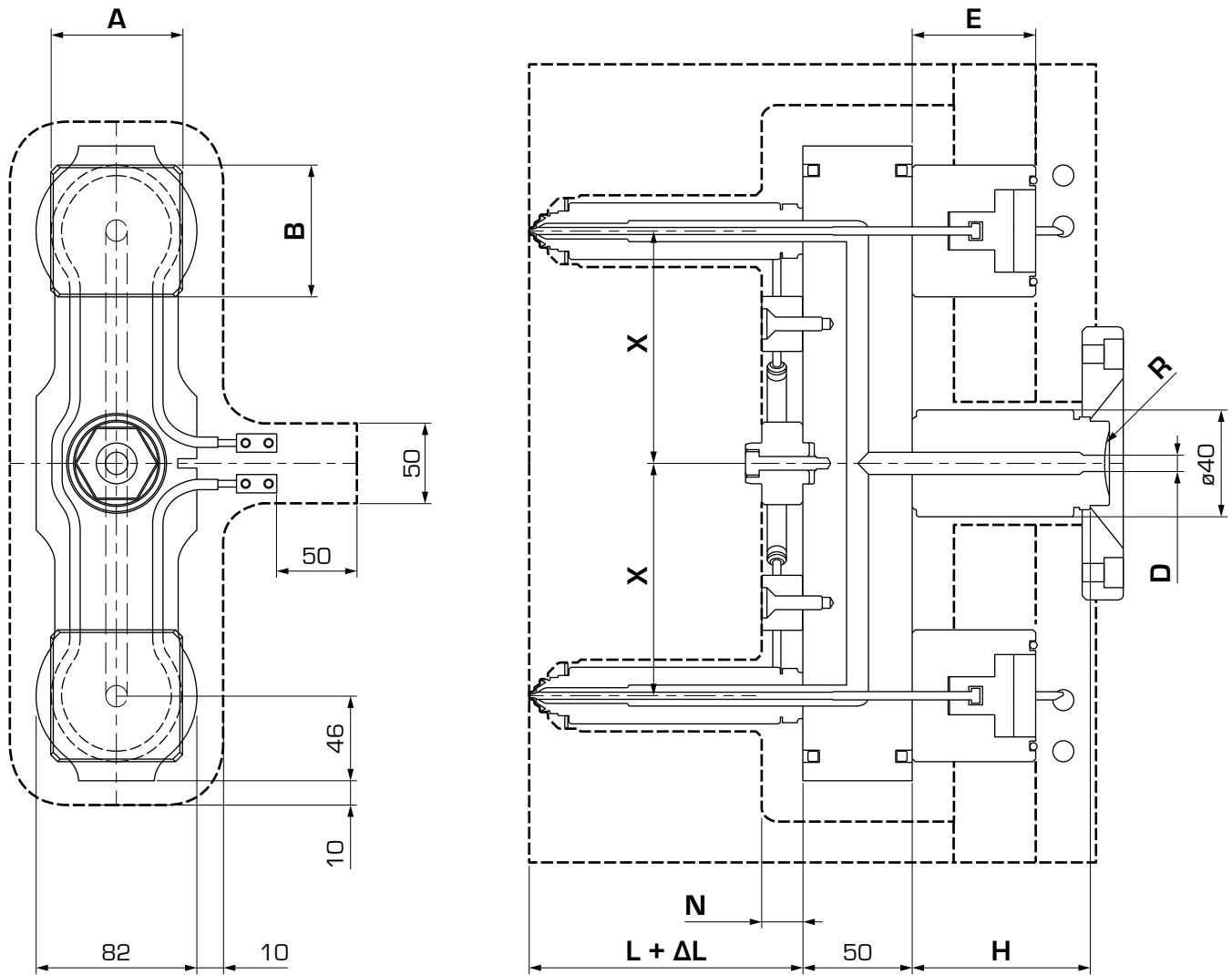
Nota: para dimensiones no indicadas en la tabla, contacta el departamento técnico.

Note: please contact our technical department if you require different dimensions.

Código distribuidor:

H02-18-XX

Manifold code:



| X mm | XX | N mm | A x B x E | H, D, R | L mm | | | | | | | | | |
|------|------------|---------|-----------|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 |
| 75 | 075 | 20 (25) | pp. 87-88 | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 100 | 100 | 20 (25) | pp. 87-88 | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 125 | 125 | 20 (25) | pp. 87-88 | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 150 | 150 | 20 (25) | pp. 87-88 | pp. 89 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 175 | 175 | 20 (25) | pp. 87-88 | pp. 89 | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 200 | 200 | 20 (25) | pp. 87-88 | pp. 89 | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 225 | 225 | 20 (25) | pp. 87-88 | pp. 89 | | | ● | ● | ● | ● | ● | ● | ● | ● |
| 250 | 250 | 20 (25) | pp. 87-88 | pp. 89 | | | | ● | ● | ● | ● | ● | ● | ● |

() - opcional

() - optional

SOV-02 Válvula de obturación con sobre-plato Valve gate with cover plate

Nota: alimentación neumática - 8 Bar mínimo
alimentación hidráulica - 35 Bar máximo.

Note: pneumatic handling - minimum pressure 8 Bar
hydraulic handling - maximum pressure 35 Bar.



Código SOV:

SOV-02

SOV code:

| Tipo de alimentación Valve Gate Type | A mm | B mm | E mm |
|---|---------|---------|---------|
| Neumática - Hidráulica Pneumatic - Hydraulic | 64 | 64 | 60 |

El sistema de obturación está diseñado tanto para alimentación neumática como hidráulica. Ésta se controla mediante las adecuadas conexiones en una placa externa al molde.

También es necesario establecer un circuito de refrigeración cerca de la zona de contacto del cilindro.

The closing system is designed for both pneumatic and hydraulic power which is controlled through special connections on an external plate of the mould. It is also necessary to set up a circuit of conditioning near the contact area of the cylinder.

SOV-03 Grupo de obturación con base de refrigeración independiente Valve gate with cooling spacer

Nota: alimentación neumática - 8 Bar mínimo
alimentación hidráulica - 35 Bar máximo.

Note: pneumatic handling - minimum pressure 8 Bar
hydraulic handling - maximum pressure 35 Bar.



Código SOV:

SOV-03

SOV code:

| Tipo de alimentación Valve Gate Type | A mm | B mm | E mm |
|---|---------|---------|---------|
| Neumática - Hidráulica con enfriamiento Pneumatic - Hydraulic with cooling | 64 | 64 | 80 |

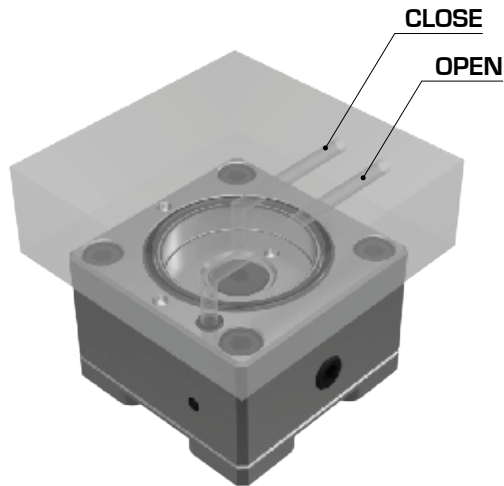
El sistema de obturación está diseñado tanto para alimentación neumática como hidráulica. Ésta se controla mediante las adecuadas conexiones en una placa externa al molde. En el grupo de obturación se prevé una base con refrigeración independiente. No es necesario establecer un circuito de refrigeración cerca del cilindro ya que la unidad está aislada de la placa de cierre. El sistema de inyección está enroscado al molde a través de tornillos de fijaje.

The closing system is designed for both pneumatic and hydraulic power which is controlled through special connections on an external plate of the mould. A cooling plate with independent conditioning is used. Since the valve gate is isolated from the closing plate, it is not necessary to set up a circuit of conditioning near the contact area of the cylinder. The system is screwed to the mold through screws for fastening.

SOV-04 Válvula de obturación Top Valve gate Serie Top

Nota: Presión mínima de 8 Bar, máxima de 20 Bar.
Recomendamos utilizar un Multiplicador de presión.

Note: minimum pressure of 8 Bar, maximum 20 Bar.
We recommend using a pressure booster.



Código SOV:

SOV-04

SOV code:

| Tipo de alimentación Valve Gate Type | A mm | B mm | E mm |
|---|---------|---------|---------|
| Top | 64 | 64 | 44 |

El sistema de obturación está diseñado para alimentación neumática mediante sus adecuados taladros, realizados en la placa de amarre. Debe dejarse un espacio de 0.1 mm entre la placa y el grupo obturación.

También es necesario establecer un circuito de refrigeración cerca de la zona de contacto del cilindro.

The closing system is design for pneumatic power through specific holes on the rear plate. Provide a gap of 0.1 mm between the plate and the valve gate.

It is also necessary to set up a circuit of conditioning near the contact area of the cylinder.

K03 Bebedero
Injection bushing



Código bebedero: **K03-HXX-RXX**
Inlet bushing code:

| D | Rosca Thread | H mm | HXX |
|----|--------------|------|-----|
| 12 | M27 | 20 | 020 |

| R mm | RXX |
|------|-----|
| 0 | R01 |
| 15 | R02 |
| 40 | R03 |

| Chaflán Chamfer | RXX |
|-----------------|------|
| 70° | SM70 |

K03 Bebedero calefactado
Injection bushing with heater



Código bebedero: **K03-HXX-RXX**
Inlet bushing code:

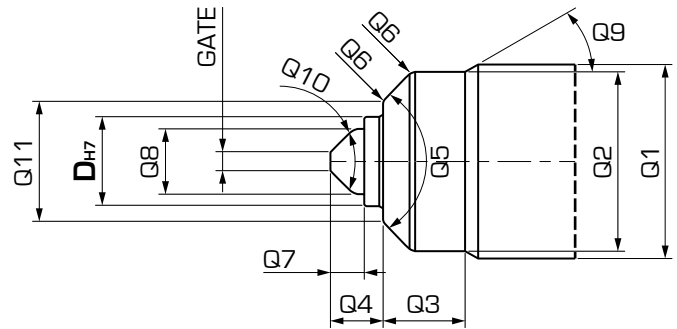
| D | Rosca Thread | H mm | HXX |
|----|--------------|------|-----|
| 12 | M27 | 40 | 040 |
| 12 | M27 | 65 | 065 |
| 12 | M27 | 90 | 090 |

| R mm | RXX |
|------|-----|
| 0 | R01 |
| 15 | R02 |
| 40 | R03 |

| Chaflán Chamfer | RXX |
|-----------------|------|
| 70° | SM70 |

T01 Topless T

Código puntera: **T01-18-TXX-G-Tip**
 Tip code:



| TXX | Material End-Cap End-Cap Material | Gate mm | Tipo Type | |
|-----|--------------------------------------|------------|--------------|---|
| | | | C | K |
| 100 | Acero Steel | 1.5 ÷ 4.0 | • | • |
| 200 | Titanio Titanium | | • | • |

C: materiales amorfos y semi-cristalinos
 K: materiales cristalinos, materiales con carga

C: amorphous and semi-crystalline materials
 K: crystalline materials, filled materials

End-Cap Acero: materiales amorfos y semi-cristalinos
 End-Cap Titanio: materiales cristalinos, materiales con carga

End-Cap Steel: amorphous and semi-crystalline materials
 End-Cap Titanium: crystalline materials, filled materials

| Ø Gate mm G | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|
| 18 | 39 | 37.1 | 15 | 9.5 | 90 | R1 | 6 | 12 | 30 | 90 | 25 |

Ejemplo de pedido: T01-18-200-20-C

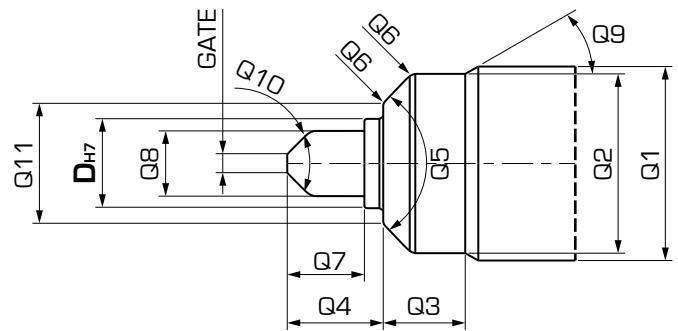
Example of purchasing order: T01-18-200-20-C

Descripción:
 puntera versión Topless T, serie iSystem18,
 End-Cap en Titanio con puntera standard, Gate Ø 2.0 mm,
 material Tip: Cobre

Description:
 Topless T tip, iSystem18 series, Titanium End-Cap with
 standard tip, Gate Ø 2.0 mm, Tip material: copper

T13 Topless T prolongada Extended Topless T

Código puntera: **T13-18-TXX-G-Tip**
Tip code:



| TXX | T | Material End-Cap End-Cap Material | XX | Prolongación Extension | Gate mm | Tip | |
|-----|---|--------------------------------------|----|---------------------------|------------|-----|---|
| | | | | | | C | K |
| 205 | 2 | Titanio Titanium | 05 | + 5 mm | 1.5 ÷ 4.0 | ● | ● |
| 210 | | | 10 | + 10 mm | | ● | |

C: materiales amorfos y semi-cristalinos
K: materiales cristalinos, materiales con carga

C: amorphous and semi-crystalline materials
K: crystalline materials, filled materials

End-Cap Acero: materiales amorfos y semi-cristalinos
End-Cap Titanio: materiales cristalinos, materiales con carga

End-Cap Steel: amorphous and semi-crystalline materials
End-Cap Titanium: crystalline materials, filled materials

| Ø Gate mm G | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|
| 18 | 39 | 37.1 | 15 | 14.5 | 90 | R1 | 11 | 12 | 30 | 90 | 25 |
| 18 | 39 | 37.1 | 15 | 19.5 | 90 | R1 | 16 | 12 | 30 | 90 | 25 |

Ejemplo de pedido: T13-18-205-20-C

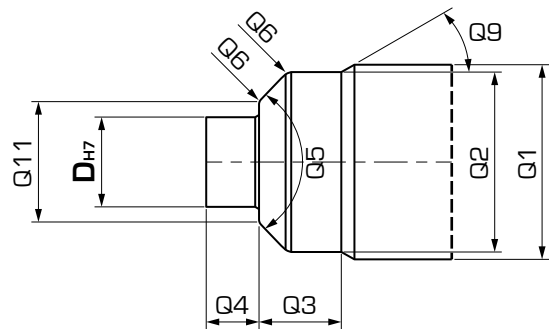
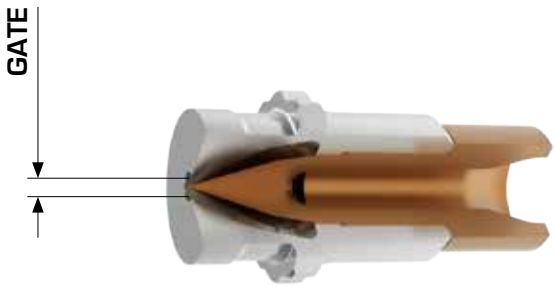
Example of purchasing order: T13-18-205-20-C

Descripción:
puntera versión Topless T prolongada, serie iSystem18,
End-Cap en Titanio con puntera prolongada + 5 mm,
Gate Ø 2.0 mm, material Tip: Cobre

Description:
Extended Topless T tip, iSystem18 series, titanium End-Cap
with 5 mm extension, Gate Ø 2.0 mm, Tip material: copper

T02 Open T

Código puntera: **T02-18-TXX-G-Tip**
 Tip code:



| TXX | Material End-Cap End-Cap Material | Ø Gate mm | G | Tip | |
|-----|--------------------------------------|--------------|----|-----|---|
| | | | | C | K |
| 100 | Acero Steel | 2.5 | 25 | ● | ● |
| | | 3.0 | 30 | ● | ● |
| | | 3.5 | 35 | ● | ● |
| | | 4.0 | 40 | ● | ● |

C: materiales amorfos y semi-cristalinos
 K: materiales cristalinos, materiales con carga

C: amorphous and semi-crystalline materials
 K: crystalline materials, filled materials

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q9 ° | Q11 mm |
|---------|----------|----------|----------|----------|---------|----------|---------|-----------|
| 18 | 39 | 37.1 | 15 | 9.5 | 90 | R1 | 30 | 25 |

Ejemplo de pedido: T02-18-100-25-C

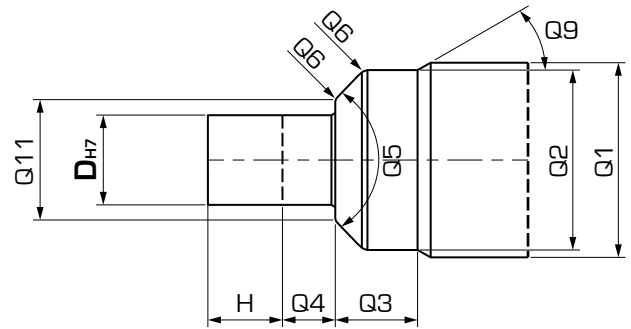
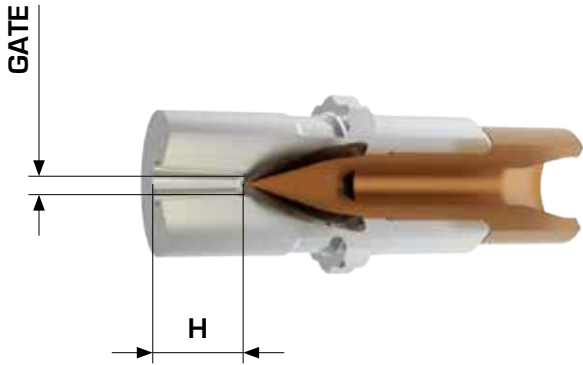
Example of purchasing order: T02-18-100-25-C

Descripción:
 puntera versión Open T, serie iSystem18, End-Cap en Acero con Gate Ø 2.5 mm, material Tip: Cobre

Description:
 Open T tip, iSystem18 series, steel End-Cap with Gate Ø 2.5 mm, Tip material: copper

T03 Open XST

Código puntera: **T03-18-TXX-G-Tip**
 Tip code:



| TXX | Material End-Cap End-Cap Material | H | XX | Ø Gate mm | G | Tip | |
|-----|--------------------------------------|----|----|--------------|----|-----|---|
| | | | | | | C | K |
| 110 | Acero Steel | 10 | 10 | 2.0 | 20 | ● | ● |
| | | | | 3.0 | 30 | ● | ● |
| | | | | 4.0 | 40 | ● | ● |
| 120 | | 20 | 20 | 2.0 | 20 | ● | ● |
| | | | | 3.0 | 30 | ● | ● |
| | | | | 4.0 | 40 | ● | ● |

C: materiales amorfos y semi-cristalinos
 K: materiales cristalinos, materiales con carga

C: amorphous and semi-crystalline materials
 K: crystalline materials, filled materials

| D mm | H mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q9 ° | Q11 mm |
|---------|---------|----------|----------|----------|----------|---------|----------|---------|-----------|
| 18 | 10 | 39 | 37.1 | 34 | 9.5 | 90 | R1 | 30 | 25 |
| 18 | 20 | 39 | 37.1 | 44 | 9.5 | 90 | R1 | 30 | 25 |

Ejemplo de pedido: T03-18-110-20-C

Example of purchasing order: T03-18-110-20-C

Descripción:
 puntera versión Open XST, serie iSystem18, End-Cap en Acero
 con Gate Ø 2.0 mm, material Tip: Cobre

Description:
 Open XST tip, iSystem18 series, steel End-Cap
 with Gate Ø 2.0 mm, Tip material: copper

T04 Topless C

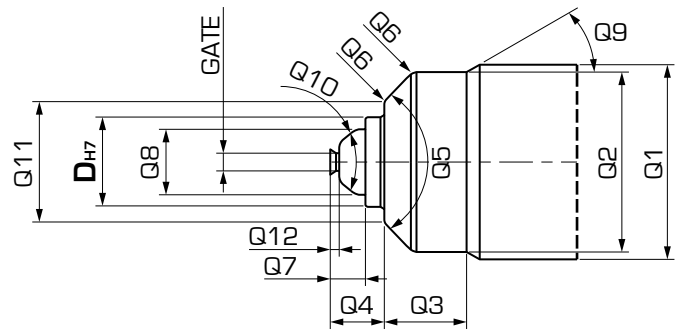
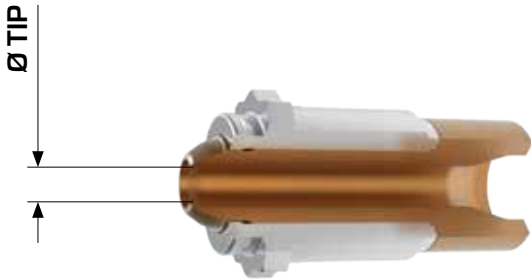
Nota: el orificio de inyección debe ser 1 mm más pequeño que el diámetro de la puntera.

Note: gate bore must be 1 mm smaller than the diameter of the tip.

Código puntera:

T04-18-TXX-G-Tip

Tip code:



| TXX | Material End-Cap End-Cap Material | Ø Tip mm | G | Tip | |
|-----|--------------------------------------|-------------|----|-----|---|
| | | | | C | K |
| 200 | Titanio | 3.0 | 30 | ● | |
| | Titanium | 3.9 | 39 | ● | |

C: materiales amorfos y semi-cristalinos

C: amorphous materials and semi-crystalline

End-Cap Titanio: materiales cristalinos, materiales con carga

End-Cap Titanium: crystalline materials, filled materials

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm | Q12 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|-----------|
| 18 | 39 | 37.1 | 15 | 9.5 | 90 | R1 | 6 | 12.24 | 30 | 80 | 25 | 1.5 |

Ejemplo de pedido: T04-18-200-30-C

Example of purchasing order: T04-18-200-30-C

Descripción:

puntera versión Topless C, serie iSystem18, End-Cap en Titanio con puntera estandar, Gate Ø 3.0 mm, material Tip: Cobre

Description:

Topless C tip, iSystem 18 series, titanium End-Cap with standard tip, Gate Ø 3.0 mm, Tip material: copper

T14 Topless C prolongada Extended Topless C

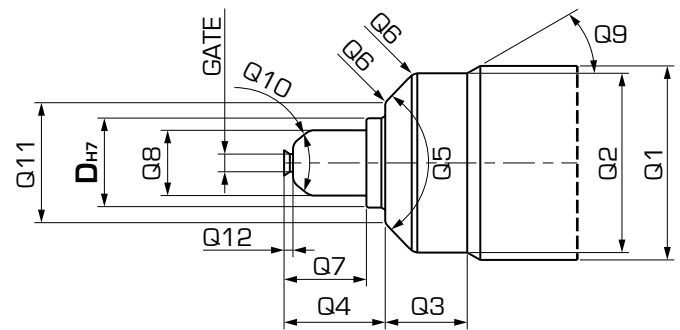
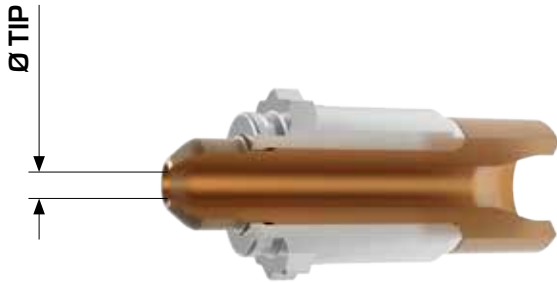
Nota: el orificio de inyección debe ser 1 mm más pequeño que el diámetro de la puntera.

Note: gate bore must be 1 mm smaller than the diameter of the tip.

Código puntera:

T14-18-TXX-G-Tip

Tip code:



| TXX | T | Material End-Cap End-Cap Material | XX | Prolongación Extension | Ø Tip mm | G | Tip | |
|-----|---|--------------------------------------|----|---------------------------|-------------|----|-----|---|
| | | | | | | | C | K |
| 205 | 2 | Titanio Titanium | 05 | + 5 mm | 3.0 | 30 | • | |
| | | | | | 3.9 | 39 | • | |

C: materiales amorfos y semi-cristalinos

C: amorphous and semi-crystalline materials

End-Cap Titanio: materiales cristalinos, materiales con carga

End-Cap Titanium: crystalline materials, filled materials

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm | Q12 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|-----------|
| 18 | 39 | 37.1 | 15 | 14.5 | 90 | R1 | 11 | 12.24 | 30 | 80 | 25 | 1.5 |

Ejemplo de pedido: T14-18-205-30-C

Example of purchasing order: T14-18-205-30-C

Descripción:
puntera versión Topless C prolongada, serie iSystem18,
End-Cap en Titanio con puntera prolongada + 5 mm,
Gate Ø 3.0 mm, Material Tip: Cobre

Description:
Extended Topless C tip, iSystem 18 series, titanium End-Cap
with 5 mm extended tip, Gate Ø 3.0 mm, Tip material: copper

T06 Open XSC

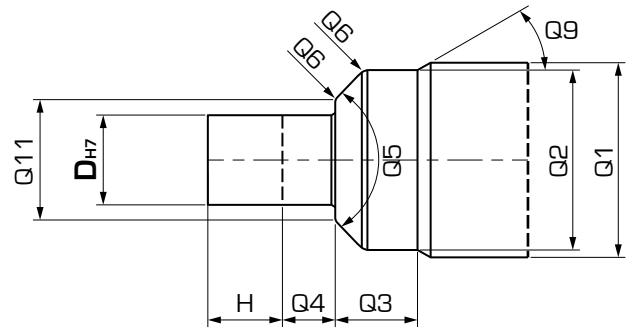
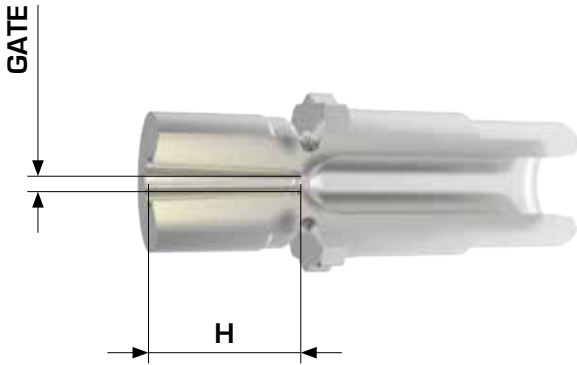
Nota: para esta aplicación, contacta el departamento técnico.

Note: for this application, please contact our technical department.

Código puntera:

T06-18-TXX-G

Tip code:



| TXX | Material End-Cap End-Cap Material | H | Ø Gate mm | G |
|-----|--------------------------------------|----|--------------|----|
| 110 | Acero Steel | 10 | 3.0 | 30 |
| | | | 3.9 | 39 |

| D mm | H mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q9 ° | Q11 mm |
|---------|---------|----------|----------|----------|----------|---------|----------|---------|-----------|
| 18 | 10 | 39 | 37.1 | 34 | 9.5 | 90 | R1 | 30 | 25 |

Ejemplo de pedido: T06-18-110-30

Descripción:
puntera versión Open XSC, serie iSystem18, End-Cap en Acero con Gate Ø 3.0 mm

Example of purchasing order: T06-18-110-30

Description:
Open XSC tip, iSystem 18 series, steel End-Cap with Gate Ø 3.0 mm

T07 Topless SO

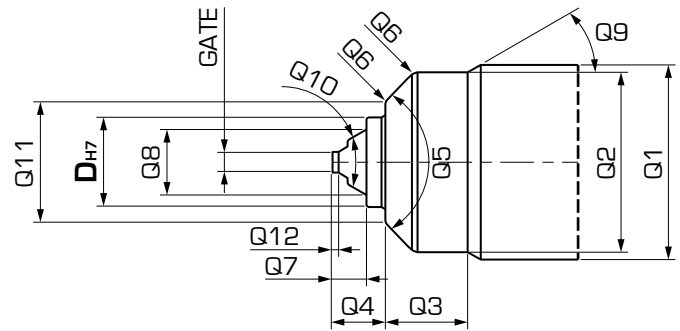
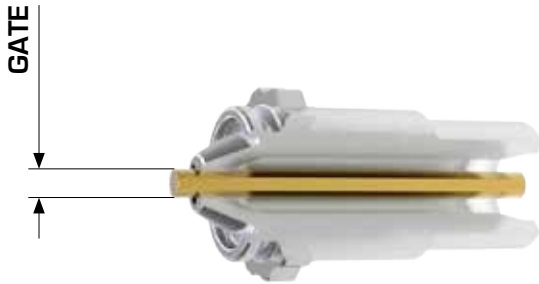
Nota: para otras aplicaciones, contacta el departamento técnico.

Note: please contact our technical department for other applications.

Código puntera:

T07-18-TXX-G

Tip code:



| TXX | Material End-Cap End-Cap Material | Ø Gate mm | G |
|-----|--------------------------------------|--------------|----|
| 100 | Acero Steel | 3.9 | 39 |

End-Cap Acero: materiales amorfos y semi-cristalinos

End-Cap Steel: amorphous and semi-crystalline materials

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm | Q12 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|-----------|
| 18 | 39 | 37.1 | 15 | 9.5 | 90 | R1 | 6 | 13.4 | 30 | 60 | 25 | 2 |

Ejemplo de pedido: T07-18-100-39

Example of purchasing order: T07-18-100-39

Descripción:
puntera versión Topless SO, serie iSystem18, End-Cap en Acero con Gate Ø 3.9 mm

Description:
Topless SO tip, iSystem18 series, steel End-Cap with Gate Ø 3.9 mm

T10 Topless SO con centraje Topless SO with centering

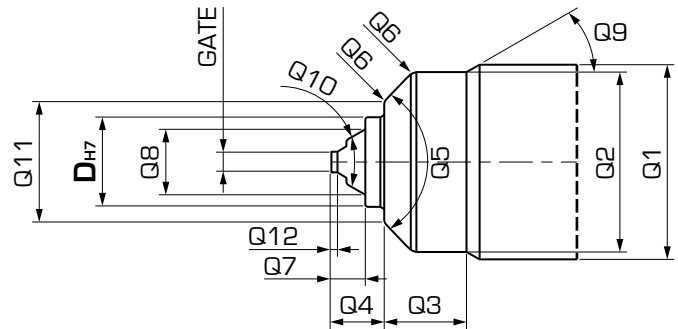
Nota: para otras aplicaciones, contacta el departamento técnico.

Note: please contact our technical department for other applications.

Código puntera:

T10-18-TXX-G

Tip code:



| TXX | Material End-Cap End-Cap Material | Gate mm |
|-----|--------------------------------------|------------|
| 100 | Acero Steel | 2.0 ÷ 3.9 |

End-Cap Acero: materiales amorfos y semi-cristalinos

End-Cap Steel: amorphous and semi-crystalline materials

| Ø Gate mm G | | | | | | | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm | Q12 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|-----------|
| 18 | 39 | 37.1 | 15 | 9.5 | 90 | R1 | 6 | 13.4 | 30 | 60 | 25 | 2 |

Ejemplo de pedido: T10-18-100-20

Example of purchasing order: T10-18-100-20

Descripción:
puntera versión Topless SO con centraje, serie iSystem18,
End-Cap en Acero con Gate Ø 2.0 mm

Description:
Topless SO with centering tip, iSystem18 series,
steel End-Cap with Gate Ø 2.0 mm

T08 Open SO

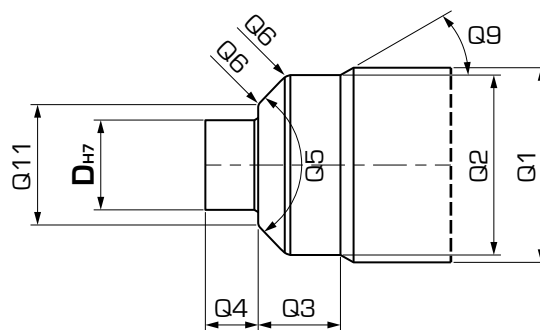
Nota: para otras aplicaciones, contacta el departamento técnico.

Note: please contact our technical department for other applications.

Código puntera:

T08-18-TXX-G

Tip code:



| TXX | Material End-Cap End-Cap Material | Ø Gate mm | G |
|-----|--------------------------------------|--------------|----|
| 100 | Acero Steel | 3.0 | 30 |
| | | 3.5 | 35 |
| | | 3.9 | 39 |

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q9 ° | Q11 mm |
|---------|----------|----------|----------|----------|---------|----------|---------|-----------|
| 18 | 39 | 37.1 | 15 | 9.5 | 90 | R1 | 30 | 25 |

Ejemplo de pedido: T08-18-100-35

Descripción:
puntera versión Open SO, serie iSystem18, End-Cap en Acero con Gate Ø 3.5 mm

Example of purchasing order: T08-18-100-35

Description:
Open SO tip, iSystem18 series, steel End-Cap with Gate Ø 3.5 mm

T09 Open XSSO

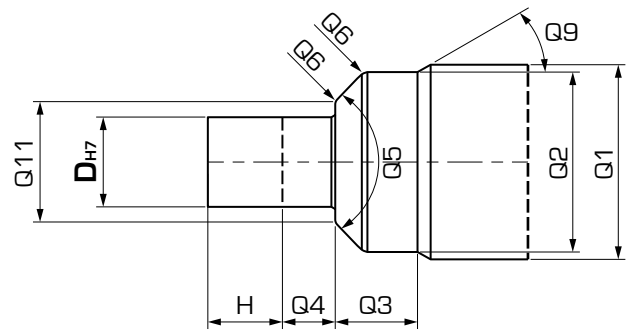
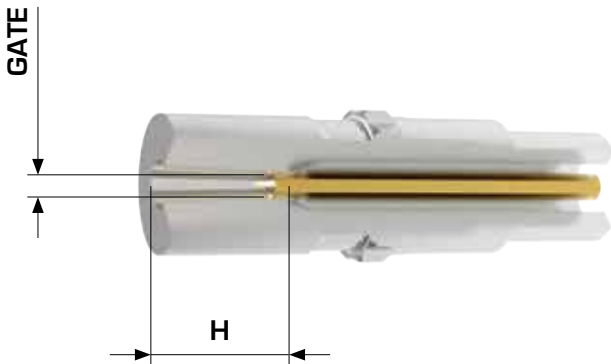
Nota: para esta aplicación, contacta el departamento técnico.

Note: for this application, please contact our technical department.

Código puntera:

T09-18-TXX-G

Tip code:



| TXX | Material End-Cap End-Cap Material | H | Ø Gate mm | G |
|-----|--------------------------------------|----|--------------|----|
| 110 | Acero Steel | 10 | 3.0 | 30 |
| | | | 3.9 | 39 |
| 120 | | 20 | 3.0 | 30 |
| | | | 3.9 | 39 |
| 130 | | 30 | 3.0 | 30 |
| | | | 3.9 | 39 |

| D mm | H mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q9 ° | Q11 mm |
|---------|---------|----------|----------|----------|----------|---------|----------|---------|-----------|
| 18 | 10 | 39 | 37.1 | 34 | 9.5 | 90 | R1 | 30 | 25 |
| 18 | 20 | 39 | 37.1 | 44 | 9.5 | 90 | R1 | 30 | 25 |
| 18 | 30 | 39 | 37.1 | 54 | 9.5 | 90 | R1 | 30 | 25 |

Ejemplo de pedido: T09-18-110-30

Descripción:
puntera versión Open XSSO, serie iSystem18, End-Cap en Acero con Gate Ø 3.0 mm

Example of purchasing order: T09-18-110-30

Description:
Open XSSO tip, iSystem 18 series, steel End-Cap with Gate Ø 3.0 mm

T11 Topless SOP

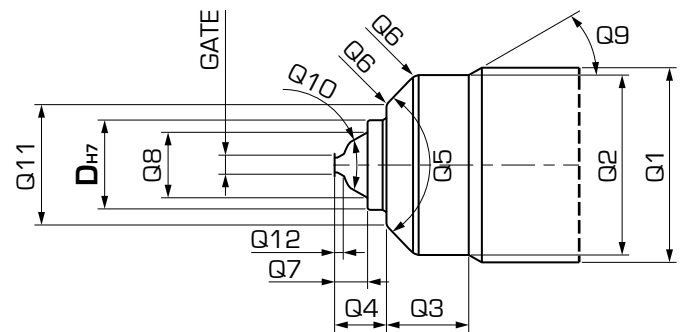
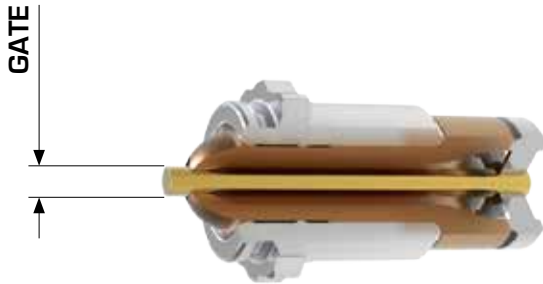
Nota: para otras aplicaciones, contacta el departamento técnico.

Note: please contact our technical department for other applications.

Código puntera:

T11-18-TXX-G-Tip

Tip code:



| TXX | Material End-Cap End-Cap Material | Gate mm | Tip | |
|-----|--------------------------------------|------------|-----|---|
| | | | C | K |
| 200 | Titanio Titanium | 2.0 ÷ 3.9 | ● | ● |

C: materiales amorfos y semi-cristalinos
K: materiales cristalinos, materiales con carga

C: amorphous and semi-crystalline materials
K: crystalline materials, filled materials

End-Cap Titanio: materiales cristalinos, materiales con carga

End-Cap Titanium: crystalline materials, filled materials

| Ø Gate mm G | | | | | | | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm | Q12 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|-----------|
| 18 | 39 | 37.1 | 15 | 9.5 | 90 | R1 | 6 | 12.24 | 30 | 60 | 25 | 2 |

Ejemplo de pedido: T11-18-200-30-C

Example of purchasing order: T11-18-200-30-C

Descripción:
puntera versión Topless SOP, serie iSystem18, End-Cap en Titanio con Gate Ø 3.0 mm, material Tip: Cobre

Description:
Topless SOP tip, iSystem18 series, titanium End-Cap with gate Ø 3.0 mm, Tip material: copper

T15 Topless SOP prolongada Extended Topless SOP

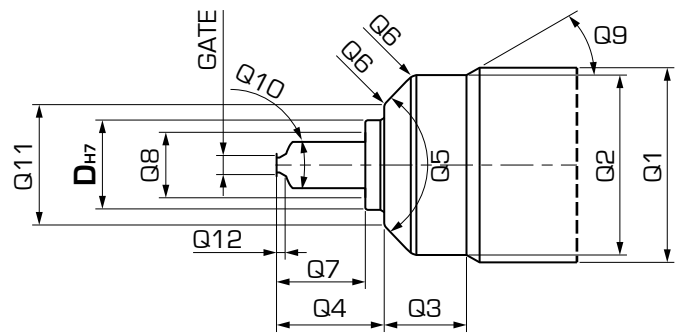
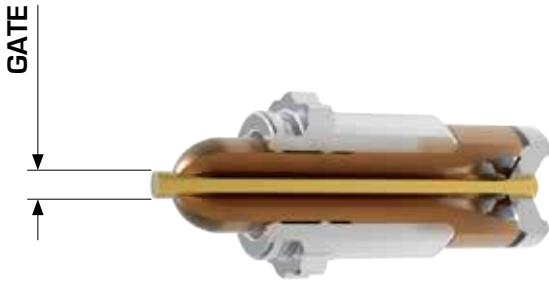
Nota: para otras aplicaciones, contacta el departamento técnico.

Note: please contact our technical department for other applications.

Código puntera:

T15-18-TXX-G-Tip

Tip code:



| TXX | Material End-Cap End-Cap Material | XX | Prolongación Extension | Gate mm | Tip | |
|-----|--------------------------------------|----|---------------------------|------------|-----|---|
| | | | | | C | K |
| 205 | Titanio Titanium | 05 | + 5 mm | 2.0 ÷ 3.9 | ● | |

C: materiales amorfos y semi-cristalinos

C: amorphous and semi-crystalline materials

End-Cap Titanio: materiales cristalinos, materiales con carga

End-Cap Titanium: crystalline materials, filled materials

| Ø Gate mm G | | | | | | | | | | | | | | | | | | | |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |

| D mm | Q1 mm | Q2 mm | Q3 mm | Q4 mm | Q5 ° | Q6 mm | Q7 mm | Q8 mm | Q9 ° | Q10 ° | Q11 mm | Q12 mm |
|---------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------|-----------|
| 18 | 39 | 37.1 | 15 | 14.5 | 90 | R1 | 11 | 12.24 | 30 | 60 | 25 | 2 |

Ejemplo de pedido: T15-18-205-30-C

Example of purchasing order: T15-18-205-30-C

Descripción:

puntera versión Topless SOP prolongada, serie iSystem18, End-Cap en Titanio con puntera prolongada + 5 mm, Gate Ø 3.0 mm, material Tip: Cobre

Description:

Extended Topless SOP tip, iSystem 18 series, titanium End-Cap with 5 mm extended tip, Gate Ø 3.0 mm, Tip material: copper

