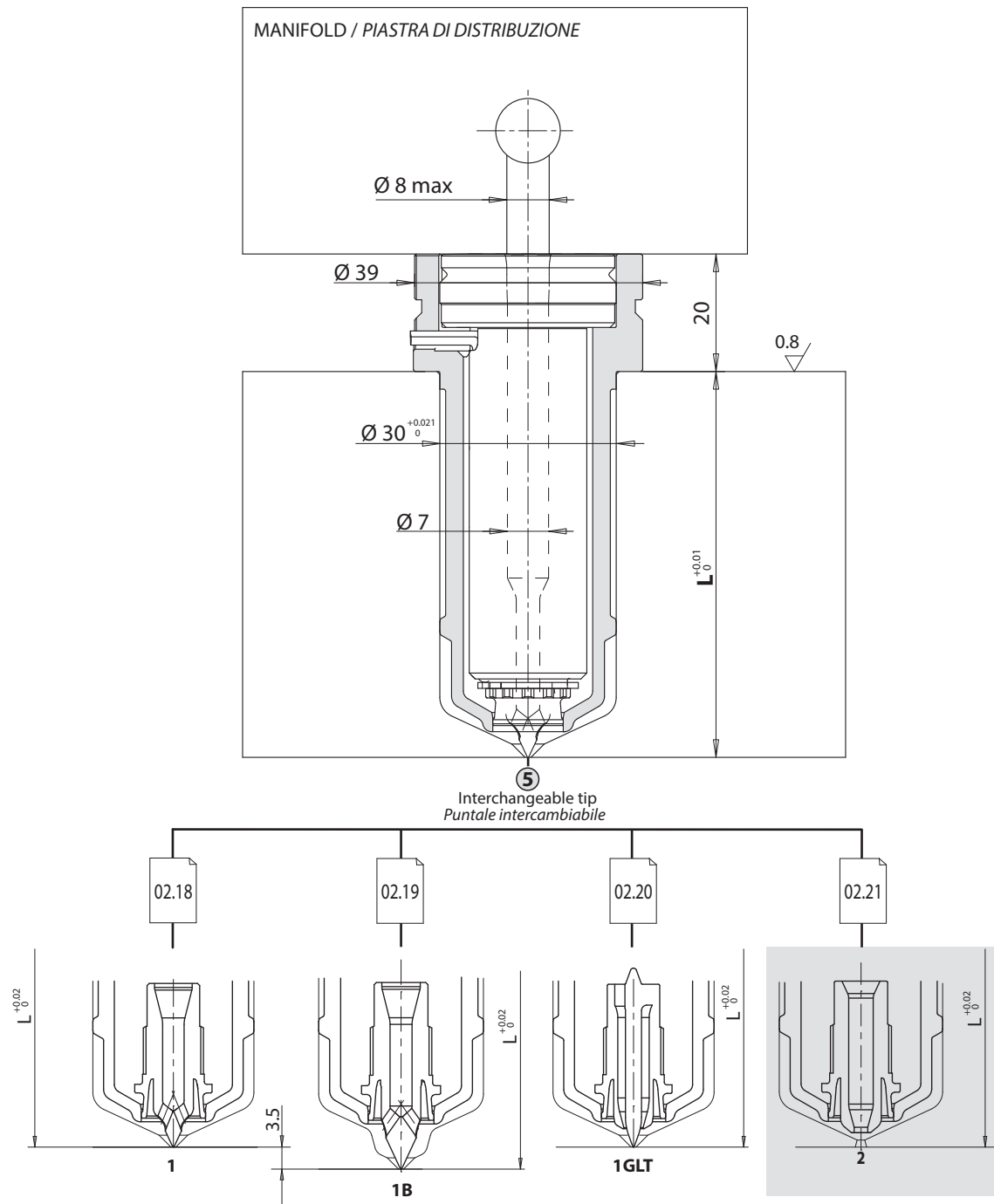




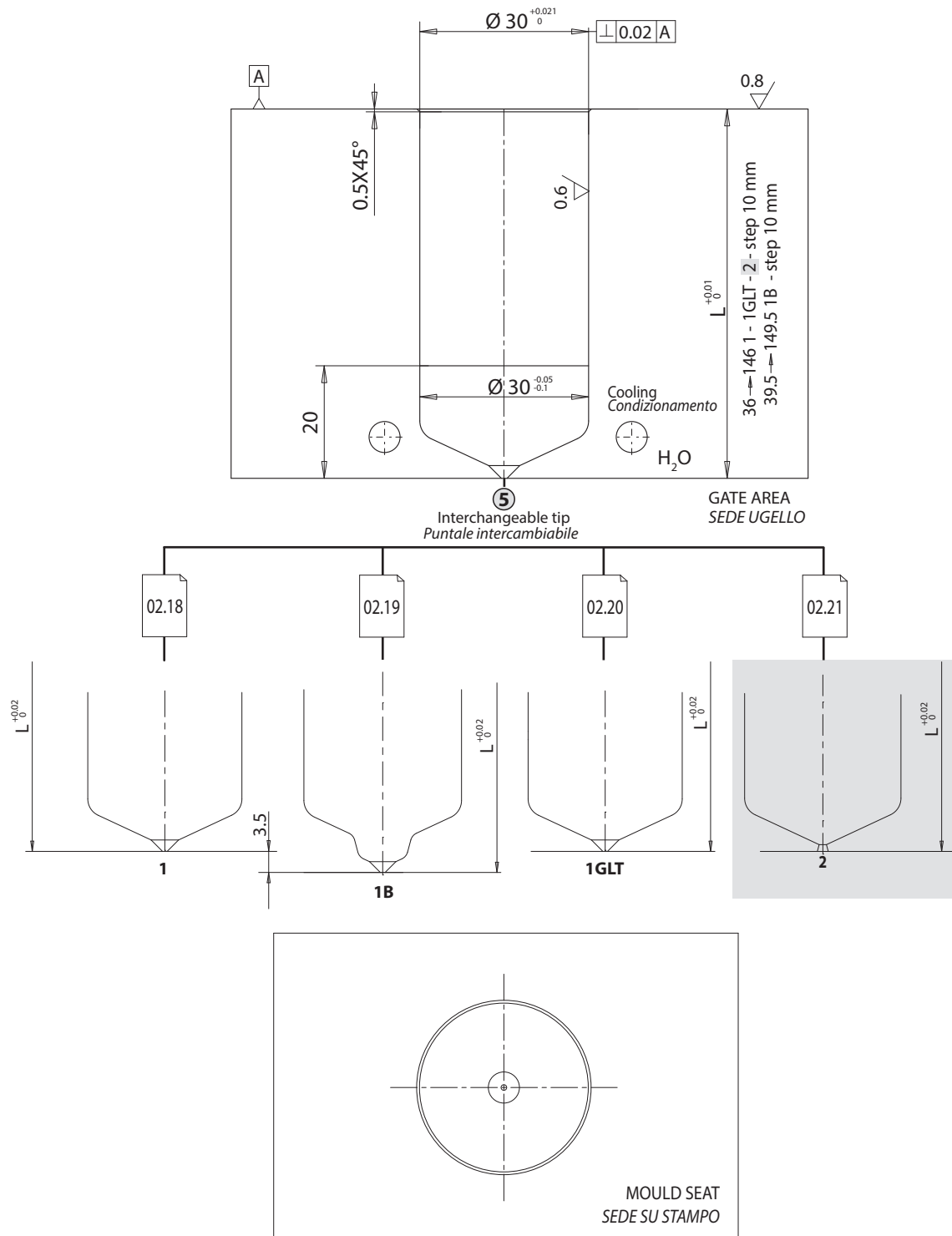
Ordering code example / Esempio d'ordine ugello:

① ② ③ ⑤ ⑥  
T D 3 0 0 8 6 - 1 - J U

- ① TD Nozzle type / Tipo ugello (TD)
- ② 30 Nozzle diameter / Diametro ugello (Ø30)
- ③ 086 Nozzle length / Lunghezza ugello (L=86)
- ⑤ 1 Tip type / Tipo puntale (1, 1B, 1GLT, 2)
- ⑥ JG Thermocouple type (grounded)  
Tipo termocoppia (a massa)

02.22

The highlighted types are not available on stock. Delivery times are to be agreed. All applications subjected to Thermoplay A.E. review  
Le tipologie evidenziate non sono a magazzino. I tempi di consegna sono da concordare. Tutte le applicazioni sono soggette a verifica in fase di offerta.



The highlighted types are not available on stock. Delivery times are to be agreed. All applications subjected to Thermoplay A.E. review  
Le tipologie evidenziate non sono a magazzino. I tempi di consegna sono da concordare. Tutte le applicazioni sono soggette a verifica in fase di offerta.



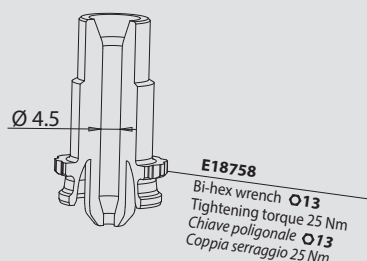
This type of tip not available on stock. Delivery times are to be agreed and all applications subjected to Thermoplay A.E. review  
 Questo tipo di puntale non è disponibile a magazzino. I tempi di consegna sono da concordare e tutte le applicazioni sono soggette a verifica in fase di offerta.

**TYPE TD-2:** Nozzle suitable for injection on sprues or when the injection point vestige is not important. Not suitable for polymers that drool easily. If compared with TF series nozzles, TD nozzles have the sealing area on the external body rather than the tip and requires less accurate machining of the seat.

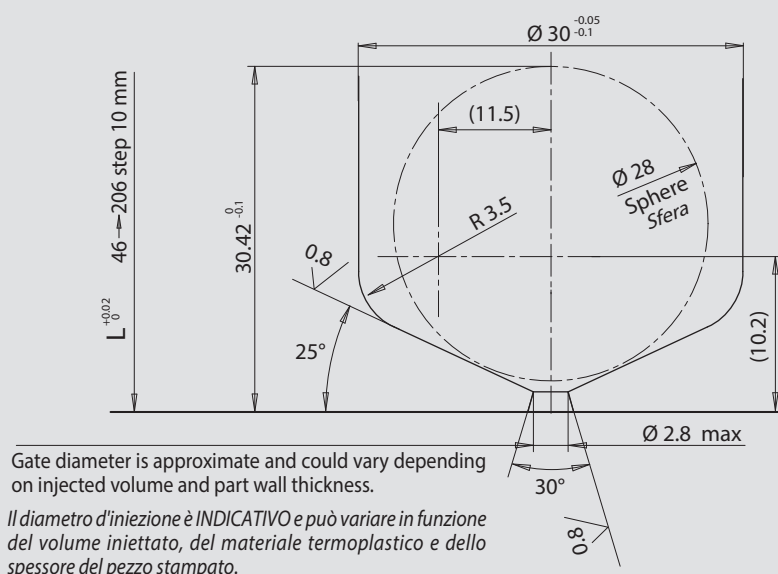
**TIPO TD-2:** L'ugello è idoneo allo stampaggio su materozza oppure direttamente in cavità lasciando un testimone marcato del punto di iniezione. A differenza degli ugelli serie TF la tenuta dell'ugello è fatta sul corpo dell'ugello anziché sul puntale. L'ugello è idoneo allo stampaggio di materiali con cariche abrasive, non è idoneo allo stampaggio di materiali che tendono a colare.

### TIP GROUP / GRUPPO PUNTALE

|              |      |                |        |
|--------------|------|----------------|--------|
| Type<br>Tipo | ④    | Code<br>Codice |        |
|              | 1GLT |                | E20608 |

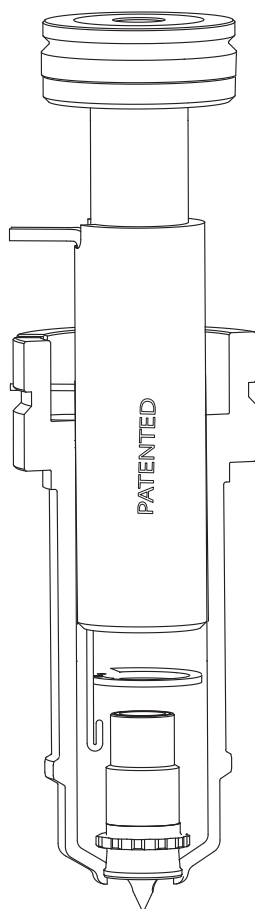


### GATE AREA / SEDE UGELLO





## HEATER AND THERMOCOUPLE / RESISTENZA E TERMOCOPPIA UGELLO



| L   | ③ L<br>Type TD-1B35<br>Tipo TD-1B35 | Heater code<br>Resistenza<br>ugello | Watt | Thermocouple / Termocoppia ugello ⑤ |                                |
|-----|-------------------------------------|-------------------------------------|------|-------------------------------------|--------------------------------|
|     |                                     |                                     |      | grounded / a massa<br>.. - JG       | insulated / isolata<br>.. - JU |
| 46  | 49.5                                | E20630                              | 200  | E05302                              | E16027                         |
| 56  | 59.5                                | E20631                              | 200  |                                     |                                |
| 66  | 69.5                                | E20632                              | 200  |                                     |                                |
| 76  | 79.5                                | E20633                              | 200  |                                     |                                |
| 86  | 89.5                                | E20634                              | 200  | E05504                              | E16029                         |
| 96  | 99.5                                | E20635                              | 250  |                                     |                                |
| 106 | 109.5                               | E20636                              | 250  |                                     |                                |
| 116 | 119.5                               | E20637                              | 250  |                                     |                                |
| 126 | 129.5                               | E20638                              | 250  | E05917                              | E16030                         |
| 136 | 139.5                               | E20639                              | 270  |                                     |                                |
| 146 | 149.5                               | E20640                              | 270  |                                     |                                |

- ⑥ .. - JG Grounded thermocouple with J type calibration  
Termocoppia ugello a massa tipo J
- ⑥ .. - JU Termocoppia ugello isolata tipo J  
Insulated thermocouple with J type calibration

| Suffix<br>Suffisso ⑤ | Description / Descrizione                                                                 |
|----------------------|-------------------------------------------------------------------------------------------|
| .. - JG              | Grounded thermocouple<br>with J type calibration<br>Termocoppia ugello a<br>massa tipo J  |
| .. - JU              | Insulated thermocouple<br>with J type calibration<br>Termocoppia ugello<br>isolata tipo J |

| cables / cavi | HEATER / RESISTENZA                        |       |
|---------------|--------------------------------------------|-------|
|               | White / Red-White<br>Bianco / Rosso-Bianco | 230 V |
|               | THERMOCOUPLE<br>TERMOCOPPIA                |       |
|               | Red / Rosso                                | TC+   |
|               | Blue / Blu                                 | TC-   |

## Ordering code example / Esempio d'ordine ugello:

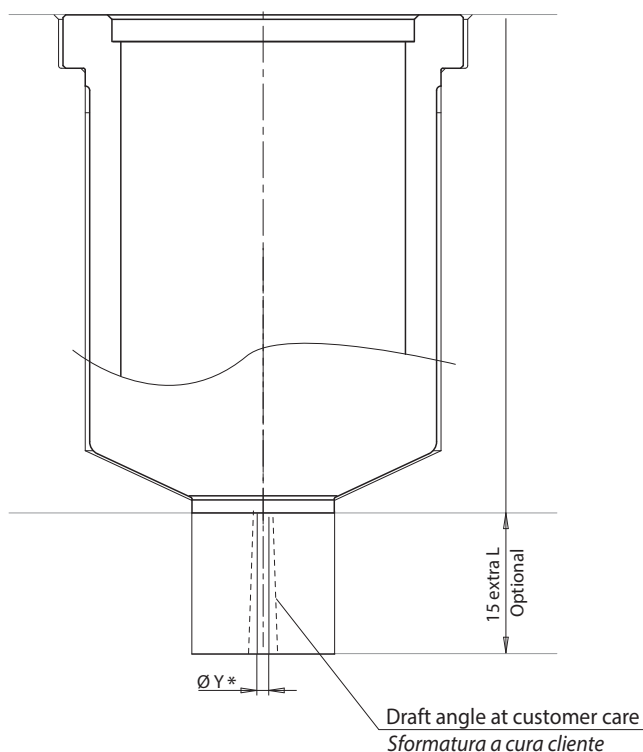
① ② ③ ⑤ ⑥  
**T D 3 0 0 8 6 - 1 - J U**

- ① TD nozzle type / Tipo ugello (TD)
- ② 30 Nozzle diameter / Diametro ugello (Ø30)
- ③ 086 Nozzle length / Lunghezza ugello (L=086)
- ⑤ 1 Tip type / Tipo puntale (1)
- ⑥ JU Thermocouple type / Tipo termocoppia (insulated / isolata)

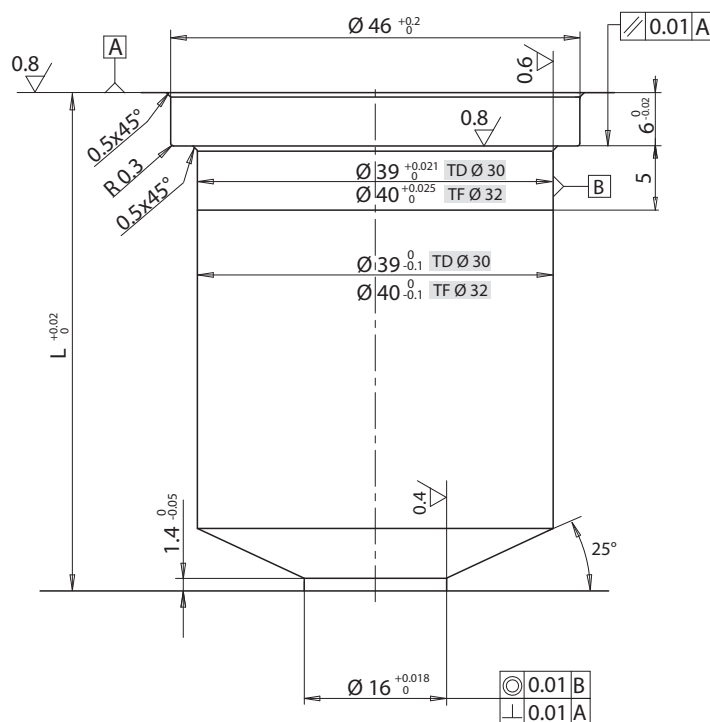
If not specified, grounded thermocouple are supplied / Se non specificato fornito termocoppia a massa



## BUSHING / BOCCOLA



## BUSHING CUTOUT / SEDE BOCCOLA



| TF Ø 32                       | Nozzle Ø<br>Ø Ugello | TYPE<br>TIPO | Ø Y *      | L         | TF Ø 32<br>sliding nozzles/ugelli a rasamento |                        | TF6 Ø 32<br>single nozzles/monougelli |                        |
|-------------------------------|----------------------|--------------|------------|-----------|-----------------------------------------------|------------------------|---------------------------------------|------------------------|
|                               |                      |              |            |           | code/codice                                   | code/codice<br>extra L | code/codice                           | code/codice<br>extra L |
|                               | 32                   | 1 - 1GLT     | 0.8 >> 2   | 56        | E09892/ØY                                     | E09894/ØY              | E09892/ØY                             | E09894/ØY              |
|                               |                      |              |            | 66        | E09893/ØY                                     | E09895/ØY              | E09893/ØY                             | E09895/ØY              |
|                               |                      | 2 - 2P       | 1.5 >> 2.8 | 56        | E09968/ØY                                     | E09970/ØY              | E09968/ØY                             | E09970/ØY              |
| 66                            |                      |              |            | E09969/ØY | E09971/ØY                                     | E09969/ØY              | E09971/ØY                             |                        |
| 3 cylindrical<br>3 cilindrico |                      | 1.6 >> 3     | 56         | E09972/ØY | E09974/ØY                                     | MOØ32 - pag. 11.30     |                                       |                        |
| 3conical<br>3conico           | 1.6 >> 2.5           | 66           | E09973/ØY  | E09975/ØY |                                               |                        |                                       |                        |
|                               |                      | 56           | E09976/ØY  | E09978/ØY |                                               |                        |                                       |                        |
| 66                            | E09977/ØY            | E09979/ØY    |            |           |                                               |                        |                                       |                        |

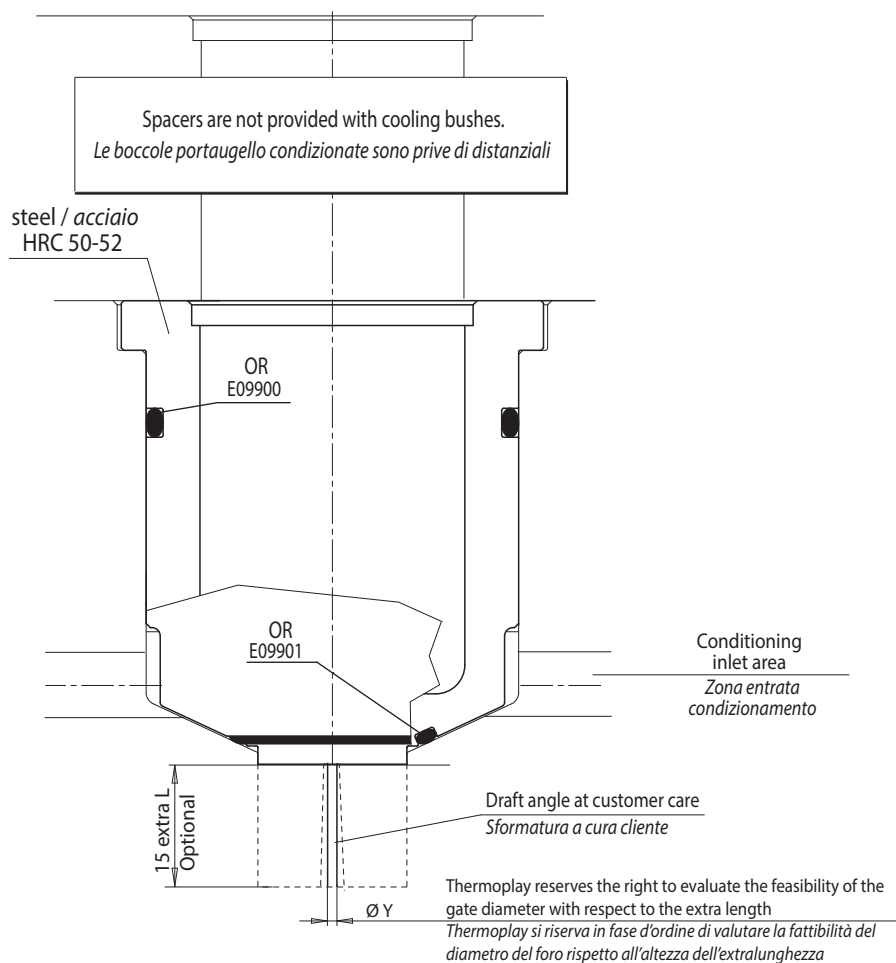
| TD Ø 30 | Nozzle Ø<br>Ø Ugello | TYPE<br>TIPO                  | Ø Y *      | L  | TD Ø 30<br>sliding nozzles/ugelli a rasamento |                        | TD6 Ø 30<br>single nozzles/monougelli |                        |
|---------|----------------------|-------------------------------|------------|----|-----------------------------------------------|------------------------|---------------------------------------|------------------------|
|         |                      |                               |            |    | code/codice                                   | code/codice<br>extra L | code/codice                           | code/codice<br>extra L |
|         | 30                   | 1 - 1GLT                      | 0.8 >> 1.5 | 46 | E17089/ØY                                     | E17091/ØY              | E17089/ØY                             | E17091/ØY              |
|         |                      |                               |            | 56 | E17090/ØY                                     | E17092/ØY              | E17090/ØY                             | E17092/ØY              |
|         |                      | 2                             | 1.5 >> 2.8 | 46 | E17776/ØY                                     | E17778/ØY              | E17776/ØY                             | E17778/ØY              |
|         |                      |                               |            | 56 | E17777/ØY                                     | E17779/ØY              | E17777/ØY                             | E17779/ØY              |
|         |                      | 3 cylindrical<br>3 cilindrico | 1.6>> 2    | 46 | E17603/ØY                                     | E17605/ØY              | --                                    | --                     |
|         |                      |                               |            | 56 | E17604/ØY                                     | E17606/ØY              | --                                    | --                     |
|         |                      | 3conical<br>3conico           | 1.6 >> 2.5 | 46 | E17615/ØY                                     | E17617/ØY              | --                                    | --                     |
|         |                      |                               |            | 56 | E17616/ØY                                     | E17618/ØY              | --                                    | --                     |

\* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length  
 Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza

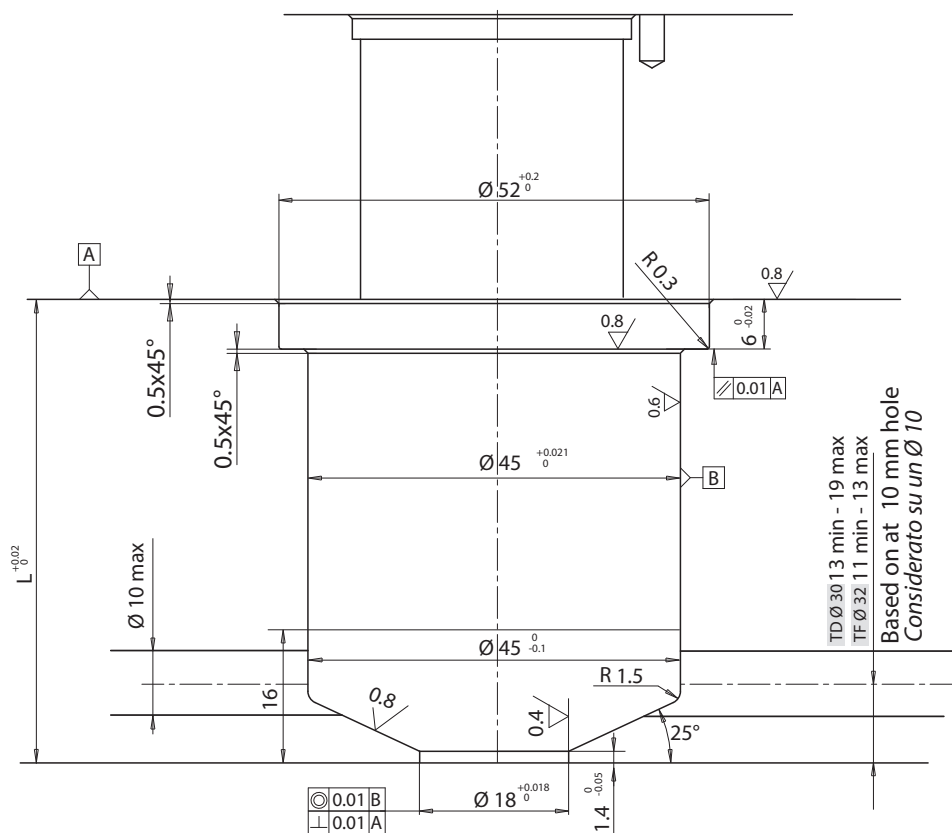




## BUSHING / BOCCOLA



## BUSHING CUTOUT / SEDE BOCCOLA





| TF Ø 32 | Nozzle Ø<br>Ø Ugello | TIPO<br>TYPE                  | Ø Y *      | L  | TF Ø 32<br>sliding nozzles<br>ugelli a rasamento |                        | TF6 Ø 32<br>single nozzles/monougelli |                        |
|---------|----------------------|-------------------------------|------------|----|--------------------------------------------------|------------------------|---------------------------------------|------------------------|
|         |                      |                               |            |    | code/codice                                      | code/codice<br>extra L | code/codice                           | code/codice<br>extra L |
|         |                      |                               |            |    |                                                  |                        |                                       |                        |
| TF Ø 32 | 32                   | 1 - 1GLT                      | 0.8 >> 2   | 56 | E09902/ØY                                        | E09904/ØY              | E09902/ØY                             | E09904/ØY              |
|         |                      |                               |            | 66 | E09903/ØY                                        | E09905/ØY              | E09903/ØY                             | E09905/ØY              |
|         |                      | 2 - 2P                        | 1.5 >> 2.8 | 56 | E15007/ØY                                        | E15009/ØY              | E15007/ØY                             | E15009/ØY              |
|         |                      |                               |            | 66 | E15008/ØY                                        | E15010/ØY              | E15008/ØY                             | E15010/ØY              |
|         |                      | 3 cylindrical<br>3 cilindrico | 1.6 >> 3   | 56 | E15011/ØY                                        | E15013ØY               | MOØ32 - pag. 11.31                    |                        |
|         |                      |                               |            | 66 | E15012/ØY                                        | E15014/ØY              |                                       |                        |
|         |                      | 3conical<br>3conico           | 1.6 >> 2.5 | 56 | E15015/ØY                                        | E15017/ØY              |                                       |                        |
|         |                      |                               |            | 66 | E15016/ØY                                        | E15018/ØY              |                                       |                        |
|         |                      | 1D-3D                         | --         | 56 | E15049                                           | --                     | E15049                                | --                     |
|         |                      |                               |            | 66 | E15050                                           | --                     | E15050                                | --                     |
|         |                      | 2D                            | --         | 56 | E15051                                           | --                     | E15051                                | --                     |
|         |                      |                               |            | 66 | E15052                                           | --                     | E15052                                | --                     |

| TD Ø 30 | Nozzle Ø<br>Ø Ugello | TIPO<br>TYPE                  | Ø Y *      | L  | TD Ø 30<br>sliding nozzles /ugelli a rasamento |                        | TD6 Ø 30<br>single nozzles/monougelli |                        |
|---------|----------------------|-------------------------------|------------|----|------------------------------------------------|------------------------|---------------------------------------|------------------------|
|         |                      |                               |            |    | code/codice                                    | code/codice<br>extra L | code/codice                           | code/codice<br>extra L |
|         |                      |                               |            |    |                                                |                        |                                       |                        |
| TD Ø 30 | 30                   | 1 - 1GLT                      | 0.8 >> 1.5 | 46 | E17579/ØY                                      | E17581/ØY              | E17579/ØY                             | E17581/ØY              |
|         |                      |                               |            | 56 | E17580/ØY                                      | E17582/ØY              | E17580/ØY                             | E17582/ØY              |
|         |                      | 2                             | 1.5 >> 2.8 | 46 | E17792/ØY                                      | E17794/ØY              | E17792/ØY                             | E17794/ØY              |
|         |                      |                               |            | 56 | E17793/ØY                                      | E17795/ØY              | E17793/ØY                             | E17795/ØY              |
|         |                      | 3 cylindrical<br>3 cilindrico | 1.6 >> 2   | 46 | E17627/ØY                                      | E17629/ØY              | --                                    | --                     |
|         |                      |                               |            | 56 | E17628/ØY                                      | E17630/ØY              | --                                    | --                     |
|         |                      | 3conical<br>3conico           | 1.6 >> 2.5 | 46 | E17639/ØY                                      | E17641/ØY              | --                                    | --                     |
|         |                      |                               |            | 56 | E17640/ØY                                      | E17642/ØY              | --                                    | --                     |

Spacers are not provided with cooling bushes. / Le boccole portaugello condizionate sono prive di distanziali.

\* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length  
 Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza