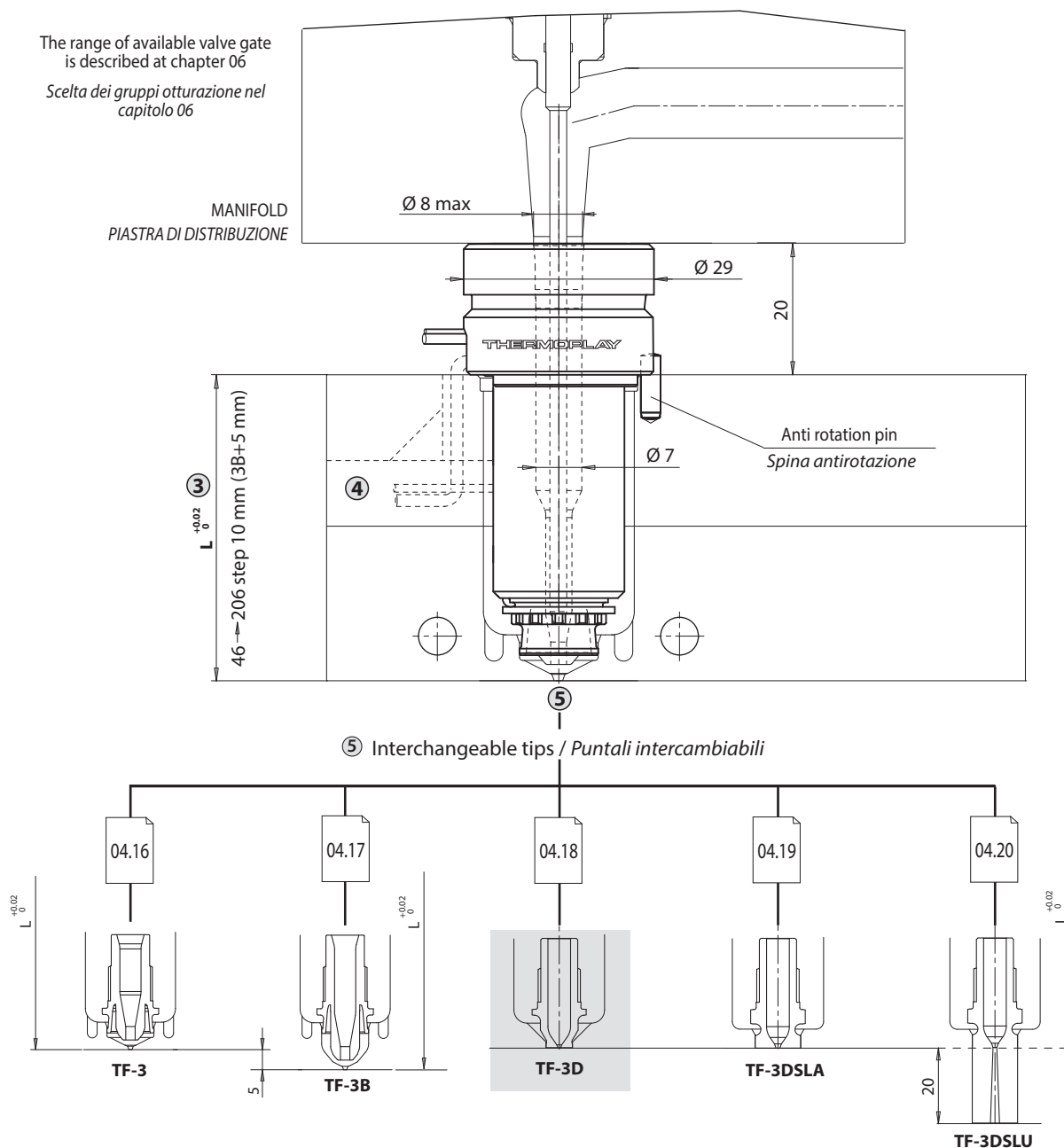




The range of available valve gate is described at chapter 06

Scelta dei gruppi otturazione nel capitolo 06



Ordering code example / Esempio d'ordine ugello:

① ② ③ ④ ⑤ ⑥
T F 2 3 0 8 6 - A - 3 - J G

① Nozzle type / Tipo ugello (TF)

② 23 Diameter nozzle / Diametro ugello (Ø23)

③ 086 Nozzle length / Lunghezza ugello (L=86)

④ A Top heater cable exit / Uscita cavi in alto (A)

⑤ 3 Tip type / Tipo puntale (3)

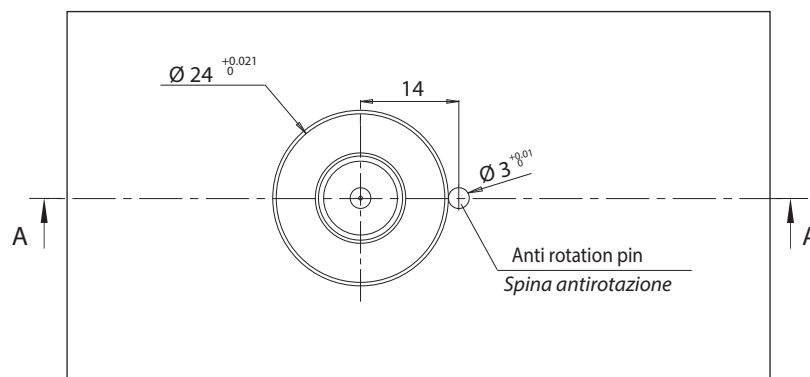
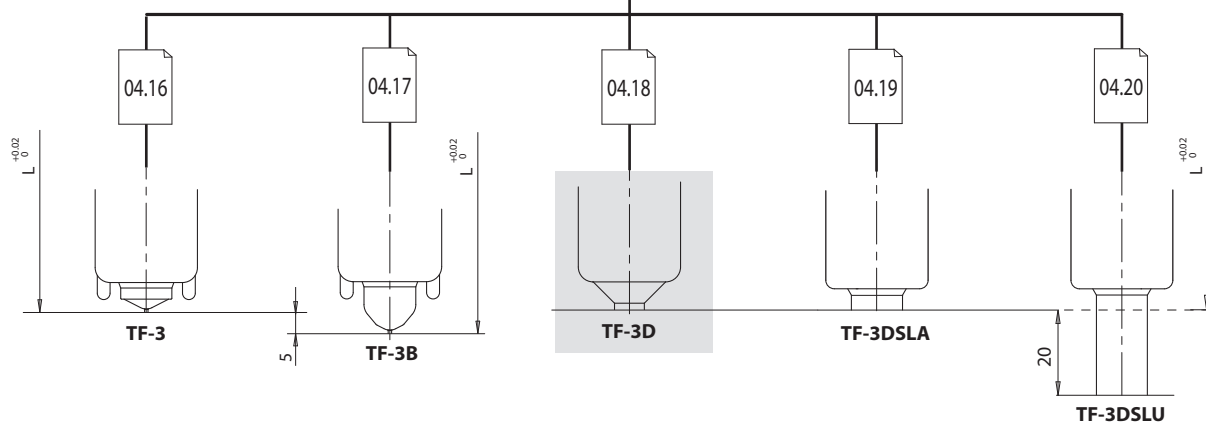
⑥ JG Thermocouple type / Tipo termocoppia (grounded / a massa)

04.21

04.21

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.

Scelta dei gruppi otturazione nel capitolo 06



04.15

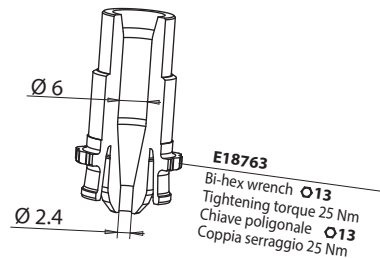


TYPE TF-3: The nozzle for injection with valve gate is suitable for moulding parts where an optimum gate aesthetics is required. It is also suitable for moulding reinforced plastic material with abrasive fillers.

TIPO TF-3: Ugello per l'iniezione con gruppo otturazione idoneo allo stampaggio di particolari dove è richiesto un ottimo aspetto estetico del punto di iniezione. E' idoneo anche allo stampaggio di materiali con cariche abrasive.

TIP GROUP / GRUPPO PUNTALE

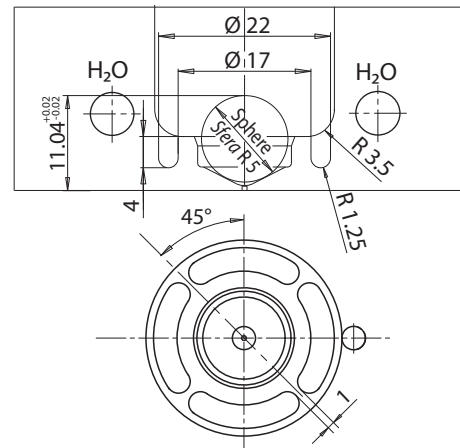
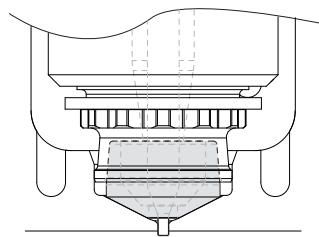
Type Tipo	Code Codice
TF23-3	E20595



COLOUR CHANGE BUSHING / BOCCOLA CAMBIO COLORE

Available upon request / Disponibile su richiesta

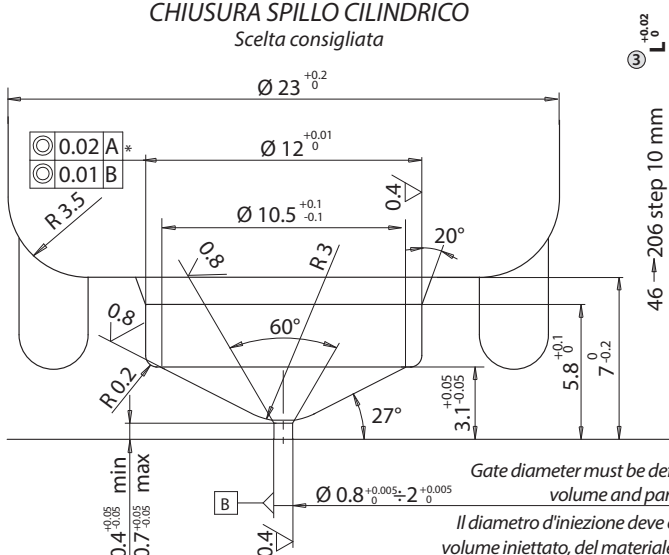
Type Tipo	Code Codice
TF23-3	E20861



GATE AREA / SEDE UGELLO

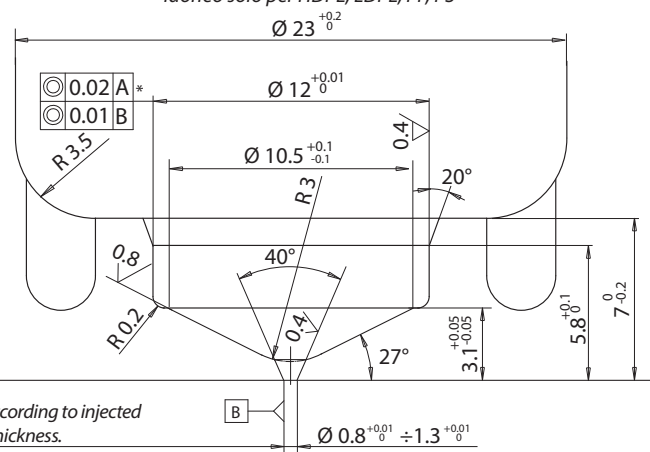
CYLINDRIC PIN SHUT OFF CUTOUT
Recommended

CHIUSURA SPILLO CILINDRICO
Scelta consigliata



CONICAL PIN SHUT OFF CUTOUT

Suitable only for HDPE, LDPE, PP, PS
CHIUSURA SPILLO CONICO
Idoneo solo per HDPE, LDPE, PP, PS



To be defined according to polymers characteristics, injection cycle and cooling cycles.
L'altezza ottimale della chiusura è funzione delle caratteristiche del polimero, del tipo di ciclo, del circuito di raffreddamento e dei parametri di stampaggio.

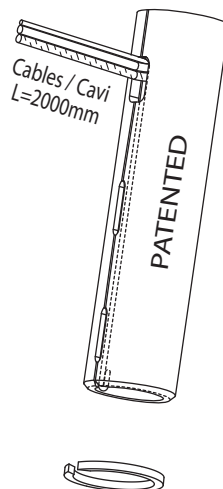
* [A] Ref. page 04.15 for sliding nozzle - page 09.06 for single nozzle
pagina 04.15 per ugelli a rasamento - pagina 09.06 per monougelli



HEATER AND THERMOCOUPLE WITH WIRE EXIT AT THE TOP RESISTENZA E TERMOCOPPIA CON USCITA CAVI IN ALTO

- A ^④

③ L Type 3BT Tipo 3BT	Heater code Codice resistenza	Watt	Thermocouple Codice termocoppia ugello ⑥	
			grounded - a massa .. - JG	insulated - isolata .. - JU
46	51	E20630	200	
56	61	E20631	200	
66	71	E20632	200	
76	81	E20633	200	
86	91	E20634	200	
96	101	E20635	250	
106	111	E20636	250	
116	121	E20637	250	
126	131	E20638	250	
136	141	E20639	270	
146	151	E20640	270	
156	161	E20641	300	
166	171	E20642	300	
176	181	E20643	350	
186	191	E20644	350	
196	201	E20645	350	
206	211	E20646	350	



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

HEATER / RESISTENZA	
White / Red-White Bianco / Rosso-Bianco	230 V
THERMOCOUPLE TERMOCOPPIA	
Red / Rosso	TC+
Blue / Blu	TC-

Description / Descrizione	Code / Codice
Stop thermocouple ring Anello ferma termocoppia	E18744

Ordering code example / Esempio d'ordine ugello:



- ① TF nozzle type / Tipo ugello (TF)
- ② 23 Nozzle diameter / Diametro ugello (Ø23)
- ③ 166 nozzle length / Lunghezza ugello (L=166)
- ④ M Middle heater cable exit / Uscita cavi a metà (M)
- ⑤ 3 Tip type / Tipo puntale (3)
- ⑥ JU Thermocouple type / Tipo termocoppia (insulated / isolata)

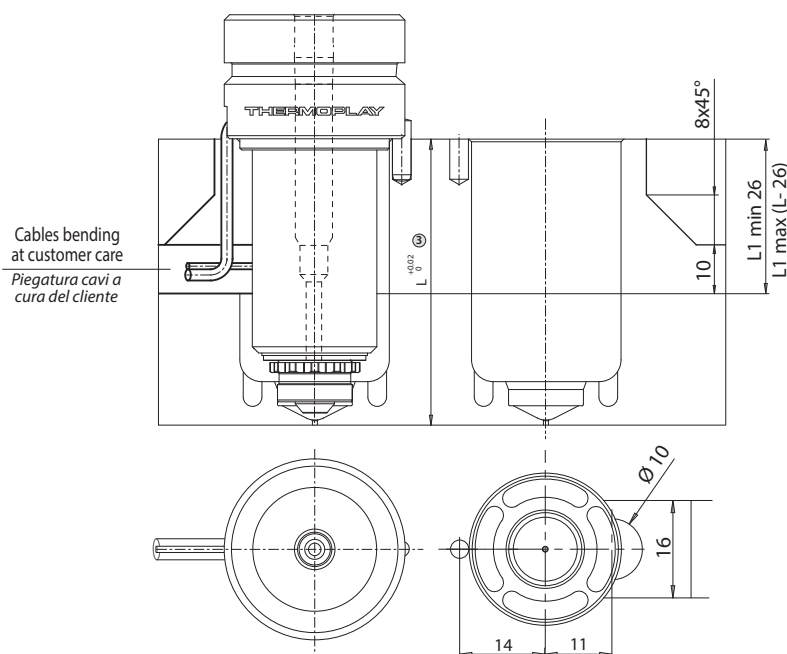
If not specified, grounded thermocouple are supplied / Se non specificato fornito termocoppia a massa

HEATER AND THERMOCOUPLE WITH WIRE EXIT AT THE MIDDLE RESISTENZA E TERMOCOPPIA CON USCITA CAVI A META'

- M ^④

Available only for types / Solo disponibile nei tipi: 3 - 3B

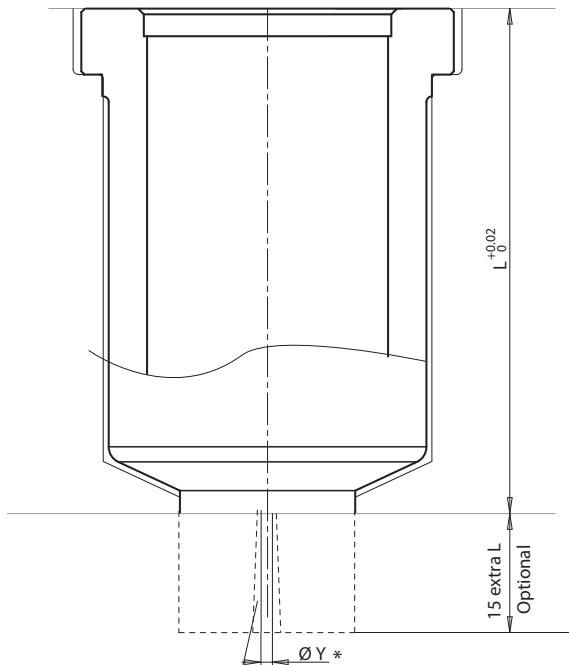
The wire exit in the middle of the nozzle body allows the heater replacement with the mould assembled to the press machine.
L'uscita dei cavi in posizione intermedia lungo il corpo ugello permette la sostituzione della resistenza con lo stampo montato sulla pressa.



③ L Type 3BT Tipo 3BT	Heater code Codice resistenza	Watt	Thermocouple Codice termocoppia ugello ⑥	
			grounded - a massa .. - JG	insulated - isolata .. - JU
66	71	E21107	200	
76	81	E21108	200	
86	91	E21109	200	
96	101	E21110	250	
106	111	E21111	250	
116	121	E21112	250	
126	131	E21113	250	
136	141	E21114	270	
146	151	E21115	270	
156	161	E21116	300	
166	171	E21117	300	
176	181	E21118	350	
186	191	E21119	350	
196	201	E21120	350	
206	211	E21121	350	

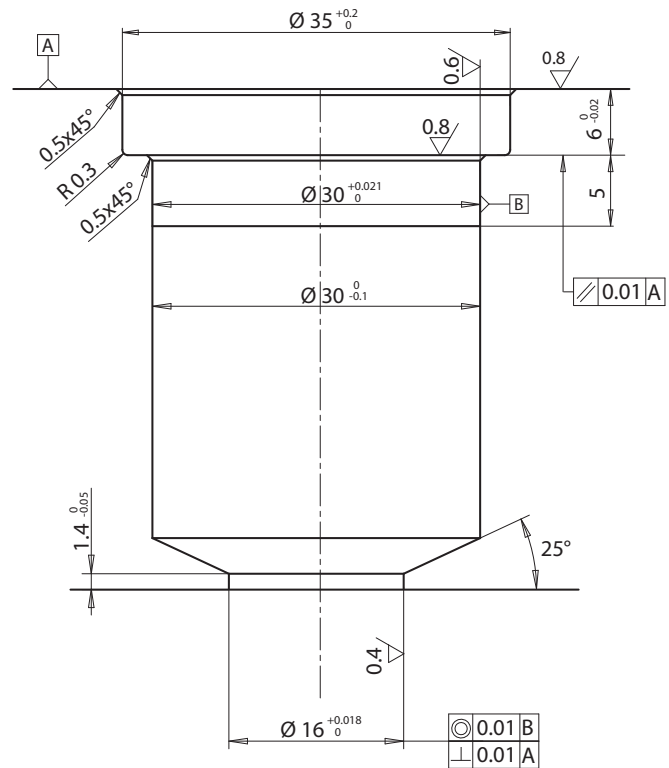


BUSHING / BOCCOLA



Draft angle at customer care
Sformatura a cura cliente

BUSHING CUTOUT / SEDE BOCCOLA



	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TF Ø 23 sliding nozzles/ugelli a rasamento		TF6 Ø 23 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
TF Ø 23	23	1 - 1GLT	0.6 >> 1.2	46	E09611/ØY	E09612/ØY	E16950/ØY	E16952/ØY
				56	E09563/ØY	E09564/ØY	E16951/ØY	E16953/ØY
		2 - 2P	1.0 >> 2.0	46	E09824/ØY	E09826/ØY	E16954/ØY	E16956/ØY
				56	E09825/ØY	E09827/ØY	E16955/ØY	E16957/ØY
		3 cylindrical 3 cilindrico	0.8 >> 2	46	E09841/ØY	E09843/ØY	MOØ23 - pag. 11.20	
				56	E09842/ØY	E09844/ØY		
		3conical 3 conico	0.8 >> 1.3	46	E09922/ØY	E09924/ØY		
				56	E09923/ØY	E09925/ØY		

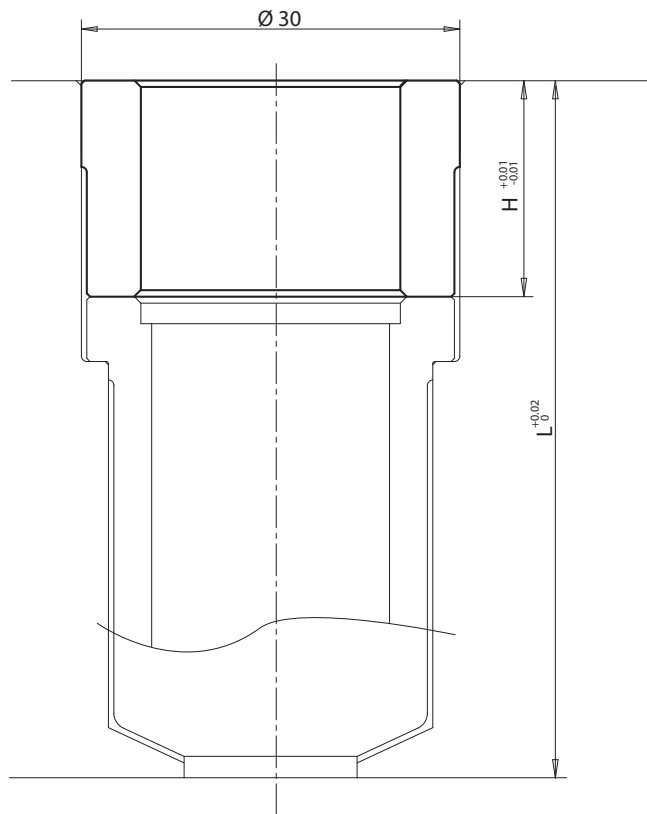
	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TD Ø 22 sliding nozzles/ugelli a rasamento		TD6 Ø 22 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
TD Ø 22	22	1 - 1GLT	0.6 >> 1.2	36	E17085/ØY	E17087/ØY	E17085/ØY	E17087/ØY
				46	E17086/ØY	E17088/ØY	E17086/ØY	E17088/ØY
		2	1.0 >> 2.0	36	E17772/ØY	E17774/ØY	E17772/ØY	E17774/ØY
				46	E17773/ØY	E17775/ØY	E17773/ØY	E17775/ØY
		3 cylindrical 3 cilindrico	0.8 >> 1.3	36	E17647/ØY	E17649/ØY	--	--
				46	E17648/ØY	E17650/ØY	--	--
		3conical 3 conico	0.8 >> 1.6	36	E17659/ØY	E17661/ØY	--	--
				46	E17660/ØY	E17662/ØY	--	--

* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length

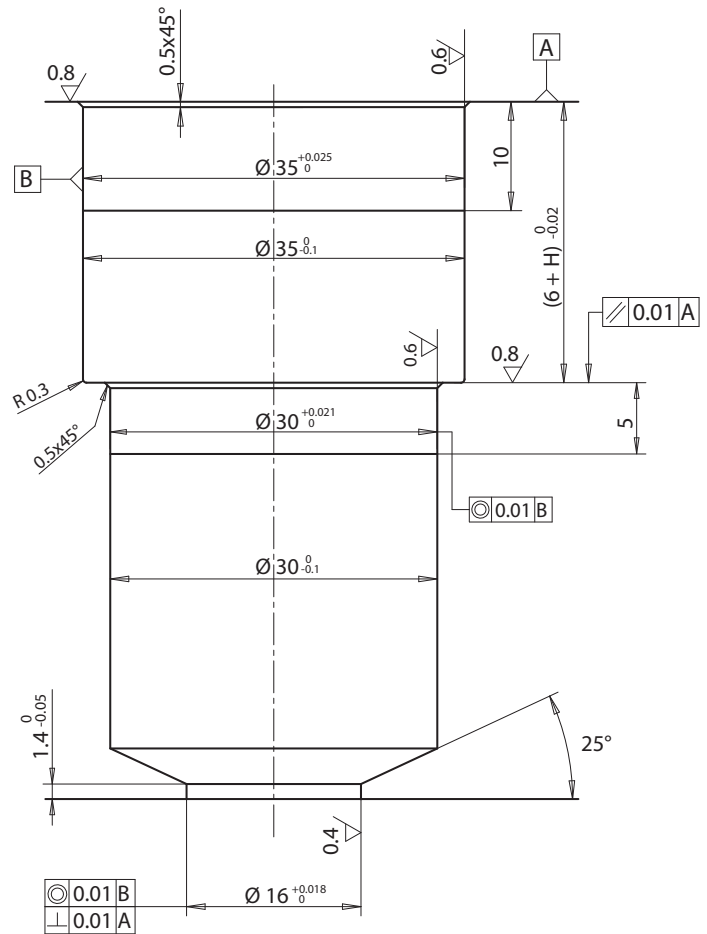
Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza



SPACER / DISTANZIALE



SPACER CUTOUT / SEDE DISTANZIALE



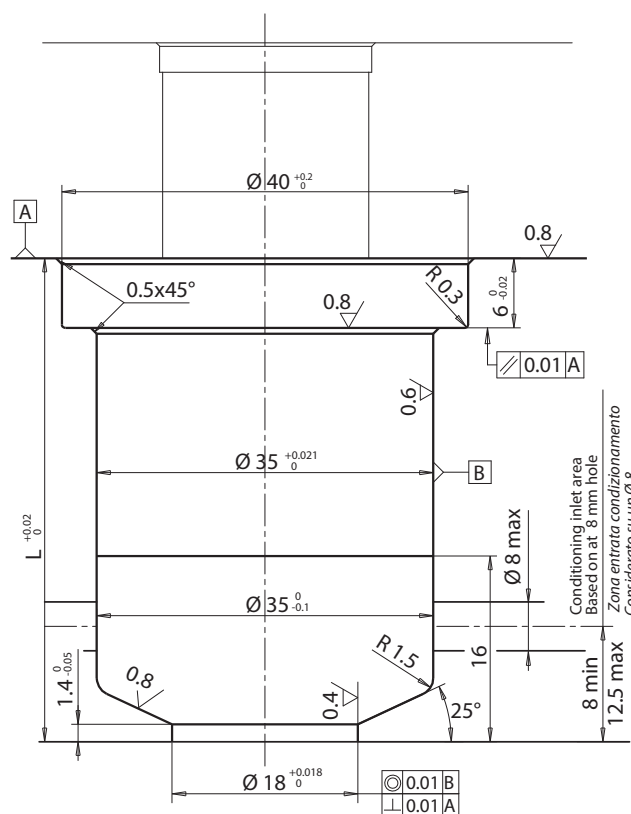
TF Ø 23

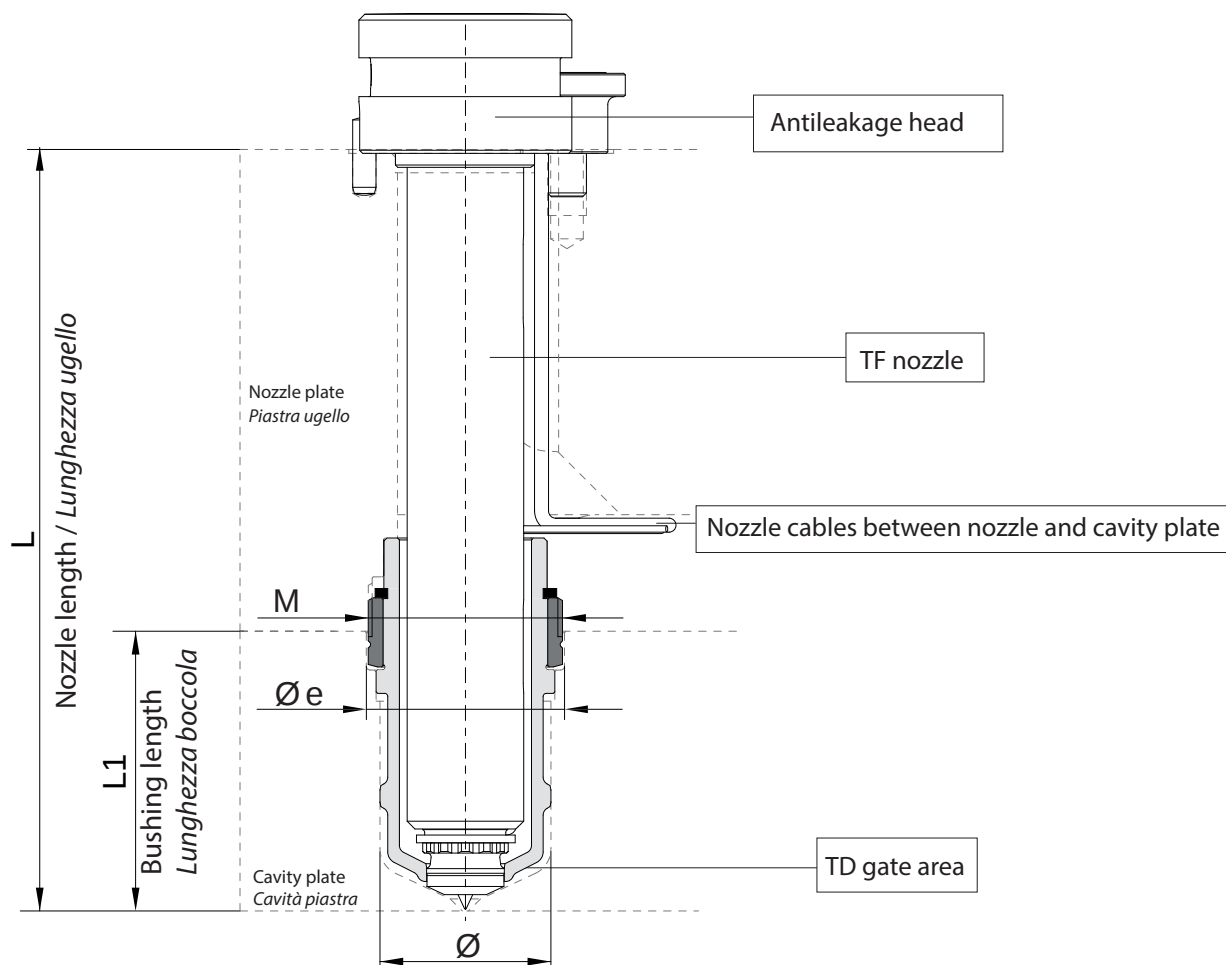
TF Ø 23 sliding nozzles ugelli a rasamento	E09579	E09580	E09581	E09582	E09583	E09584	E09585	E09586	E09587	E09588	E09589	E09590	E09591	E09592	E09593	E09643
H	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
TF6 Ø 23 single nozzles monougelli	E16966	E16967	E16968	E16969	E16970	E16971	E16972	E16973	E16974	E16975	E16976	E16977	E16978	E16979	E16980	E16981

TD Ø 22

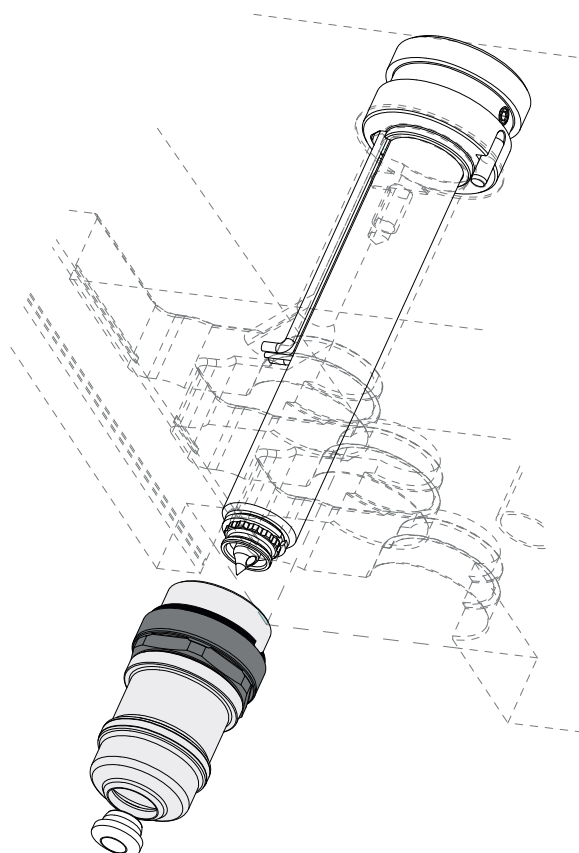
TD Ø 22 sliding nozzles ugelli a rasamento	E17561	E06826	E17562	E06827	E07086	E17563	E17564	E17565	E17566	E17567
H	10	20	30	40	50	60	70	80	90	100
TD6 Ø 22 single nozzles monougelli	E17561	E06826	E17562	E06827	E07086	E17563	E17564	E17565	E17566	E17567

BUSHING CUTOUT / SEDE BOCCOLA





For nozzle Per ugello	Ø	M	Ø e
TF Ø 14	18	M22	24
TF Ø 17	22	M25	25.5
TF Ø 23	30	M35	35.5



Not available on stock. Delivery times are to be agreed. *Non disponibile a magazzino. I tempi di consegna sono da concordare.*