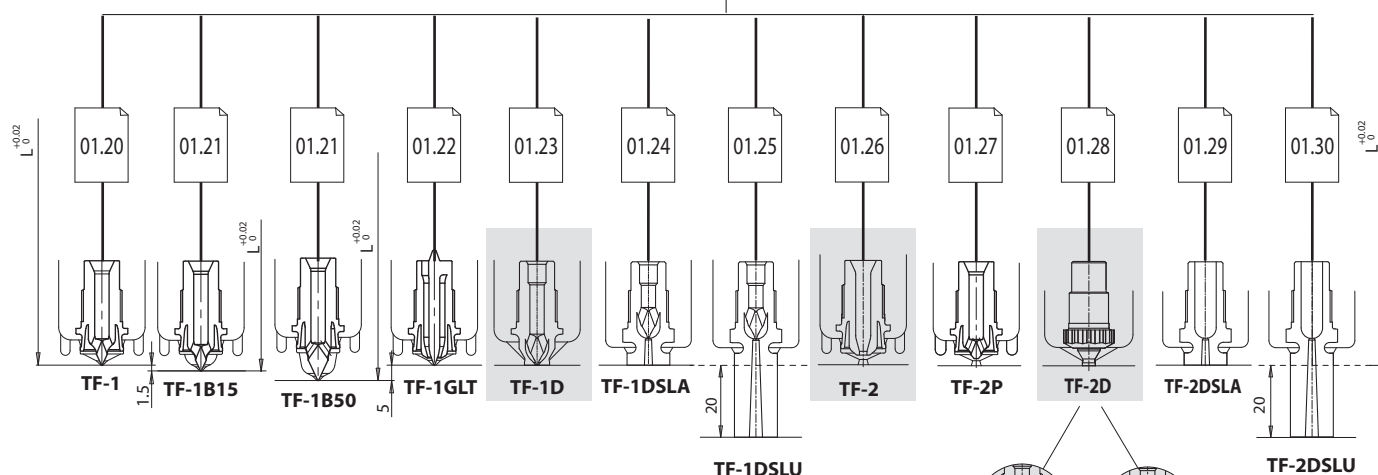
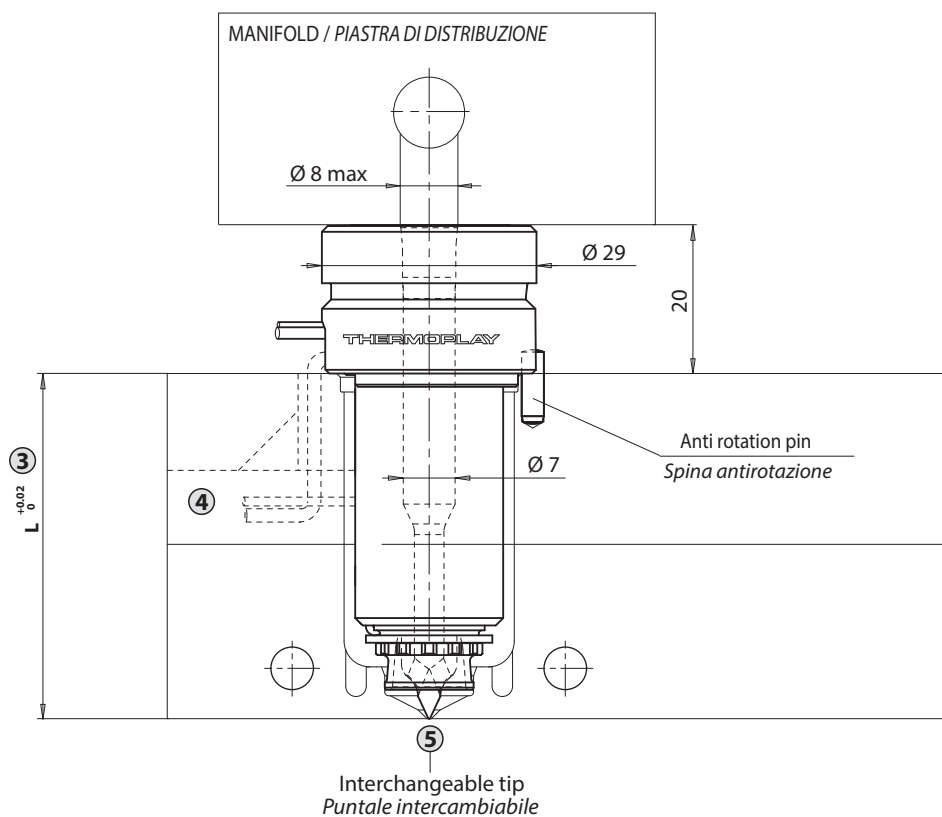
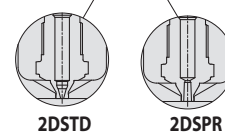




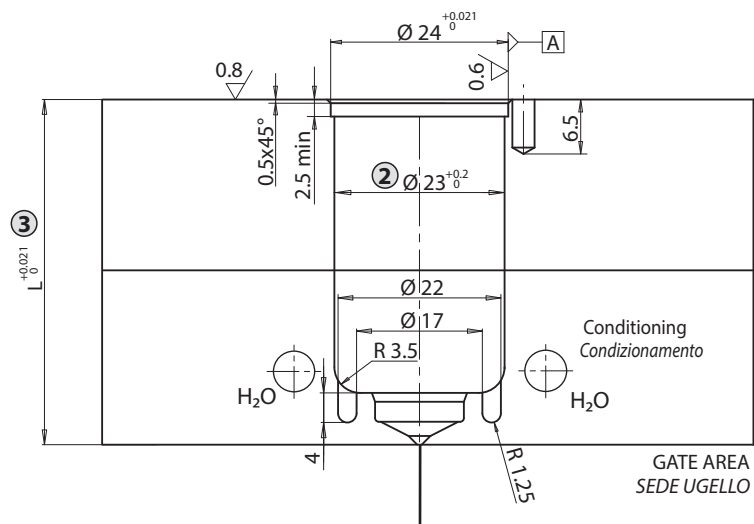
Ordering code example / Esempio d'ordine ugello:

①	②	③	④	⑤	⑥
T	F	23	136	A	2P-JG

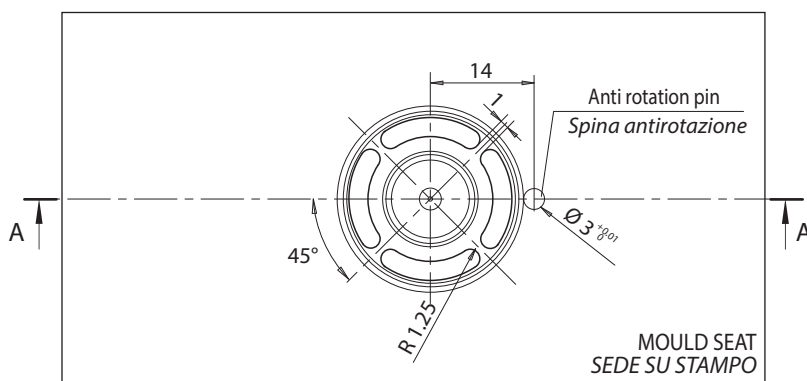
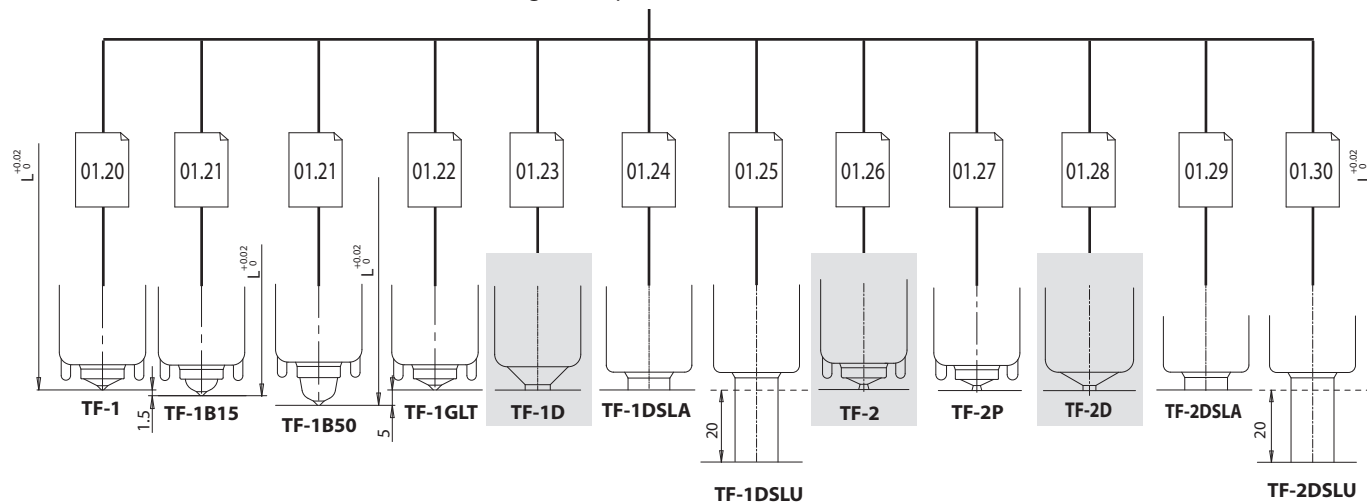
- ① Nozzle type / Tipo ugello (TF)
- ② 23 Diameter nozzle / Diametro ugello (Ø23)
- ③ 136 Nozzle length / Lunghezza ugello (L=136)
- ④ A Top heater cable exit / Uscita cavi in alto (A)
- ⑤ 2P Tip type / Tipo puntale (2P)
- ⑥ JG Thermocouple type / Tipo termocoppia (grounded / a massa)



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.

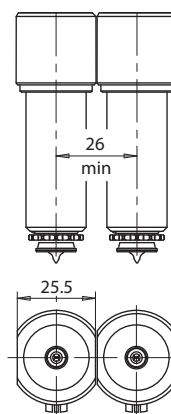


⑤ Interchangeable tips / Puntali intercambiabili



Minimum distance between nozzle centres is available on request

Minimo interasse fattibile in esecuzione speciale.





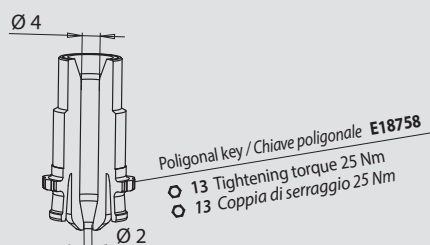
This type of tip not available on stock. Delivery times are to be agreed and all applications subjected to Thermoplay A.E. review
 Questo tipo di puntale non è disponibile a magazzino. I tempi di consegna sono da concordare e tutte le applicazioni sono soggette a verifica in fase di offerta.

TYPE TF-2: The nozzle is suitable for moulding on sprues or directly in cavities, however leaving marked evidence of the injection point. The nozzle is not suitable for moulding materials that tend to drool but can be used with all other polymers, also with abrasive fillers.

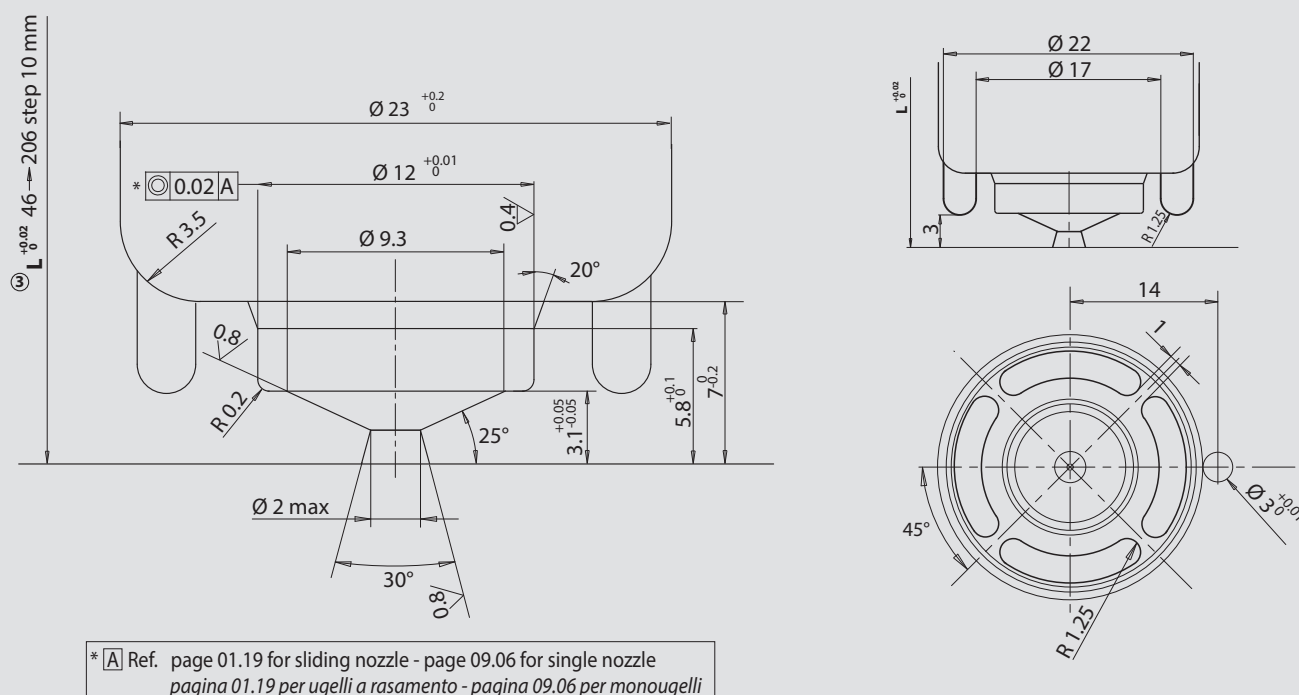
TIPO TF-2: L'ugello è idoneo allo stampaggio su materozza oppure direttamente in cavità lasciando un testimone marcato del punto di iniezione. L'ugello non è idoneo allo stampaggio di materiali che tendono a colare, ma può essere utilizzato con tutti gli altri materiali anche con cariche abrasive.

TIP GROUP / GRUPPO PUNTALE

Type / Tipo	Code / Codice
TF23-2	E20584



GATE AREA / SEDE UGELLO

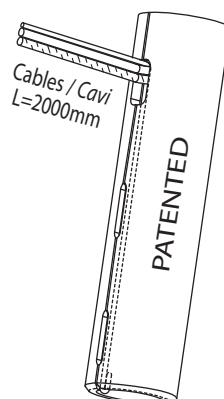




HEATER AND THERMOCOUPLE WITH WIRE EXIT AT THE TOP RESISTENZA E TERMOCOPPIA CON USCITA CAVI IN ALTO

- A ^④

③ L	L 1B15	L 1B50	Heater code Codice resistenza	Watt	Thermocouple Codice termocoppia ugello ⑥	
					grounded - a massa .. - JG	insulated - isolata .. - JU
46	47.5	51	E20630	200	E05302-TF23	E16027-TF23
56	57.5	61	E20631	200		
66	67.5	71	E20632	200		
76	77.5	81	E20633	200		
86	87.5	91	E20634	200	E05504-TF23	E16029-TF23
96	97.5	101	E20635	250		
106	107.5	111	E20636	250		
116	117.5	121	E20637	250		
126	127.5	131	E20638	250	E05917-TF23	E16030-TF23
136	137.5	141	E20639	270		
146	147.5	151	E20640	270		
156	157.5	161	E20641	300		
166	167.5	171	E20642	300	E05913-TF23	E16031-TF23
176	177.5	181	E20643	350		
186	187.5	191	E20644	350		
196	197.5	201	E20645	350		
206	207.5	211	E20646	350		

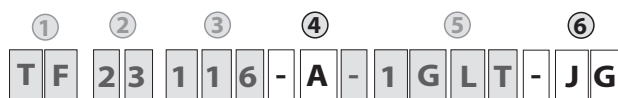


Suffix Suffisso	⑥	Description Descrizione
.. - JG		Grounded thermocouple with J type calibration Termocoppia ugello a massa tipo J
.. - JU		Insulated thermocouple with J type calibration Termocoppia ugello isolata tipo J

cables / Cavi	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)
- ③ 116 nozzle length / Lunghezza ugello (L=116)
- ④ A Top heater cable exit / Uscita cavi in alto (A)
- ⑤ 1GLT Tip type / Tipo puntale (1GLT)
- ⑥ JG Thermocouple type / Tipo termocoppia (grounded / a massa)

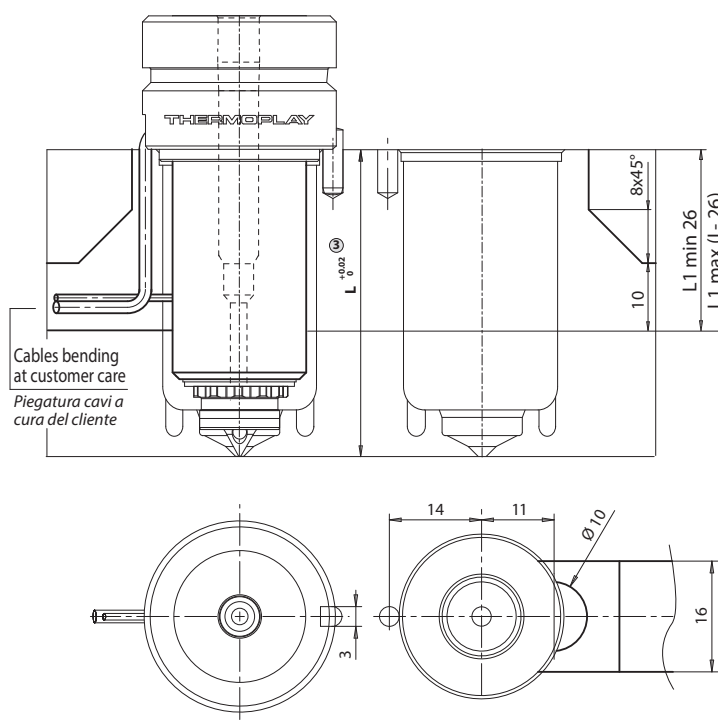
If not specified, grounded thermocouple are supplied / Se non specificato fornito termocoppia a massa

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: 1/1GLT/1B

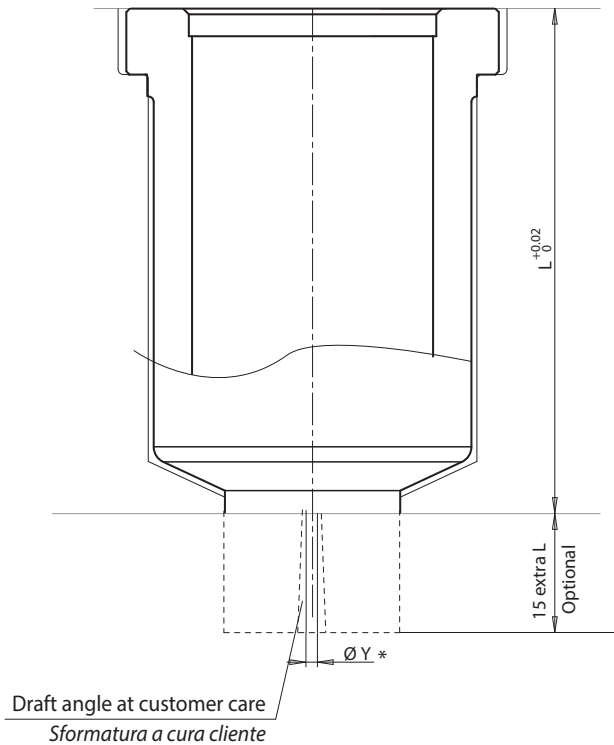
The wire exit in the middle of the nozzle body allows the heater replacement with the mould assembled to the press machine.
L'uscita dei cavi in posizione intermedia lungo il corpo ugello permette la sostituzione della resistenza con lo stampo montato sulla pressa.



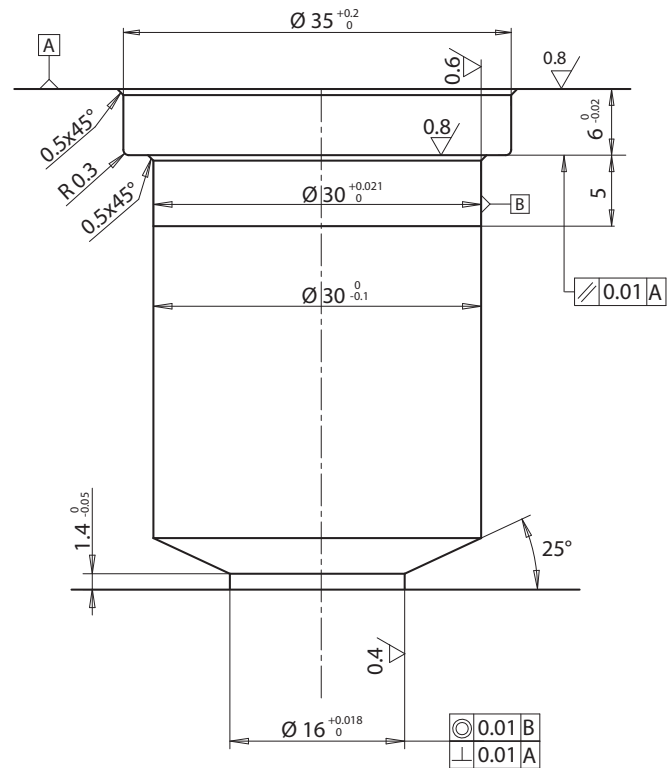
③ L	L 1B15	L 1B50	Heater code Codice resistenza	Watt	Thermocouple Codice termocoppia ugello ⑥	
					grounded - a massa .. - JG	insulated - isolata .. - JU
66	67.5	71	E21107	200	E05302-TF23	E16027-TF23
76	77.5	81	E21108	200		
86	87.5	91	E21109	200		
96	97.5	101	E21110	250		
106	107.5	111	E21111	250	E05504-TF23	E16029-TF23
116	117.5	121	E21112	250		
126	127.5	131	E21113	250		
136	137.5	141	E21114	270		
146	147.5	151	E21115	270	E05917-TF23	E16030-TF23
156	157.5	161	E21116	300		
166	167.5	171	E21117	300		
176	177.5	181	E21118	350		
186	187.5	191	E21119	350	E05913-TF23	E16031-TF23
196	197.5	201	E21120	350		
206	207.5	211	E21121	350		



BUSHING / BOCCOLA



BUSHING CUTOUT / SEDE BOCCOLA



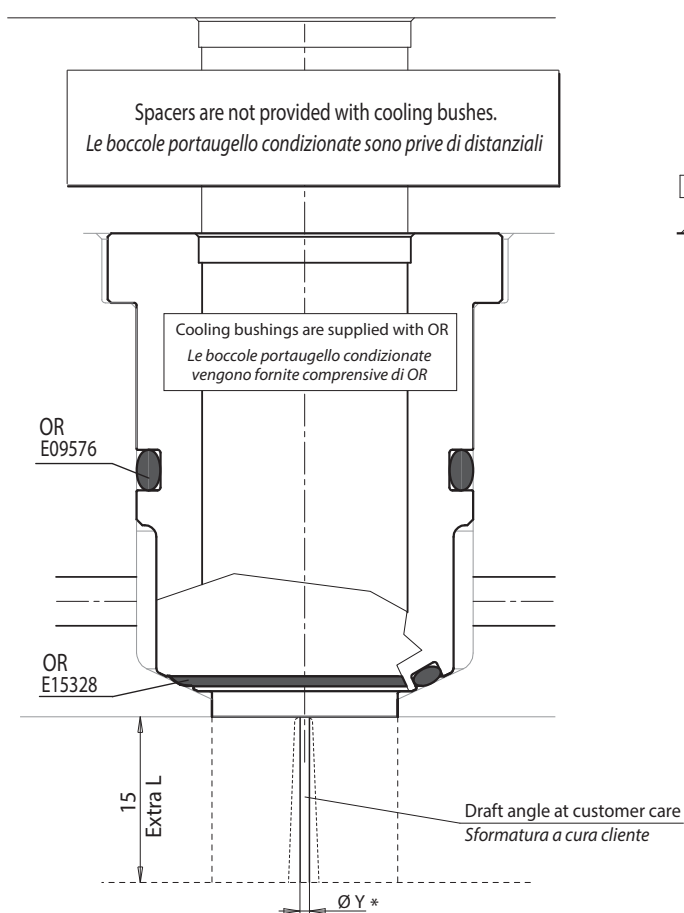
TF Ø 23	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TF Ø 23 sliding nozzles/ugelli a rasamento		TF6 Ø 23 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
23		1 - 1GLT	0.6 >> 1.2	46	E09611/ØY	E09612/ØY	E16950/ØY	E16952/ØY
				56	E09563/ØY	E09564/ØY	E16951/ØY	E16953/ØY
		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		

TD Ø 22	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
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	--	--

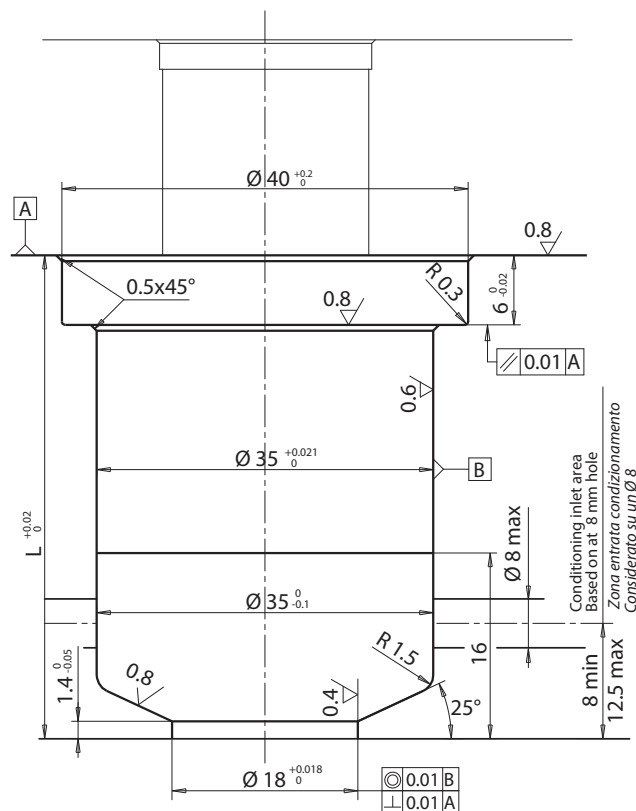
* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length
 Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza



BUSHING / BOCCOLA

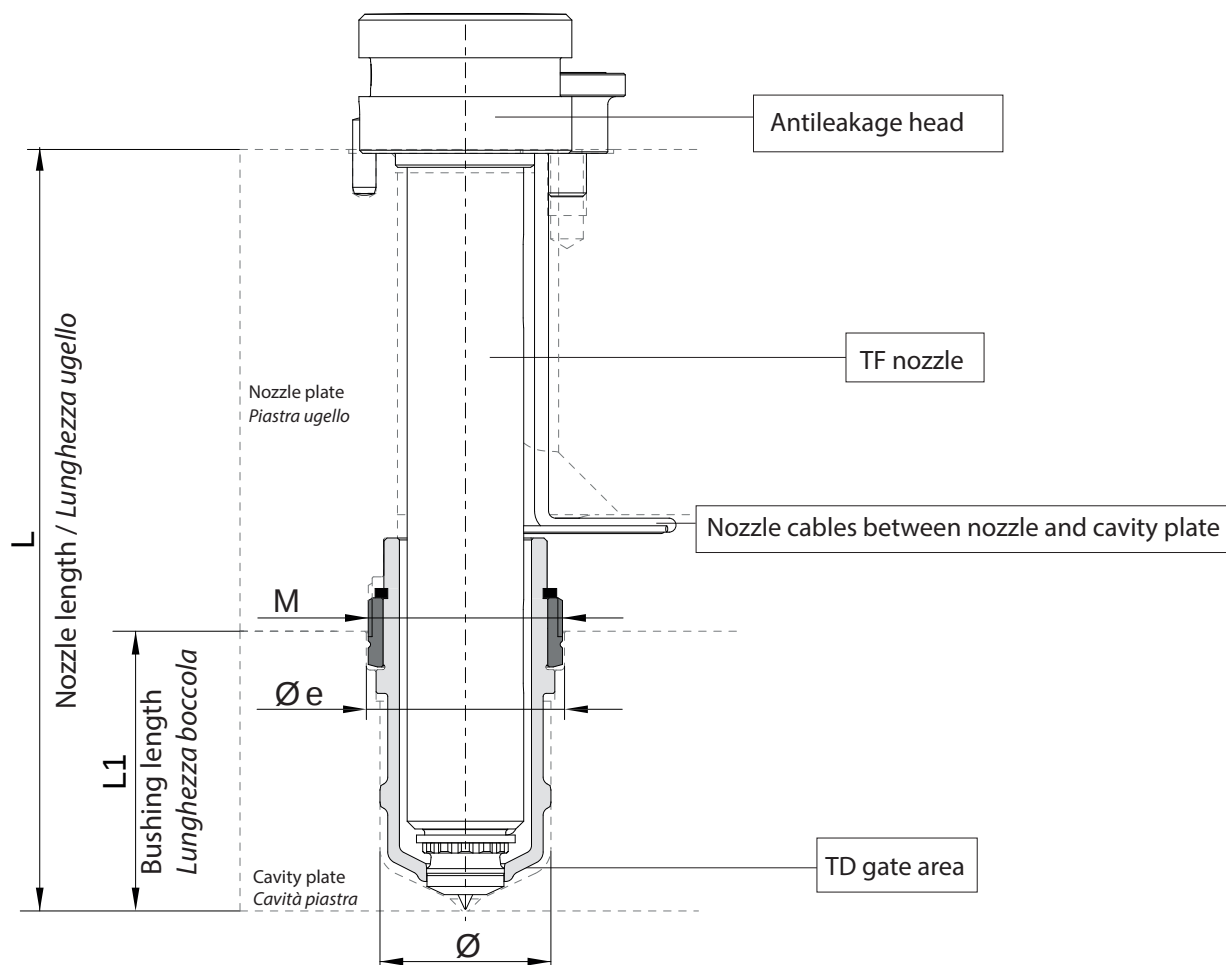


BUSHING CUTOUT / SEDE BOCCOLA

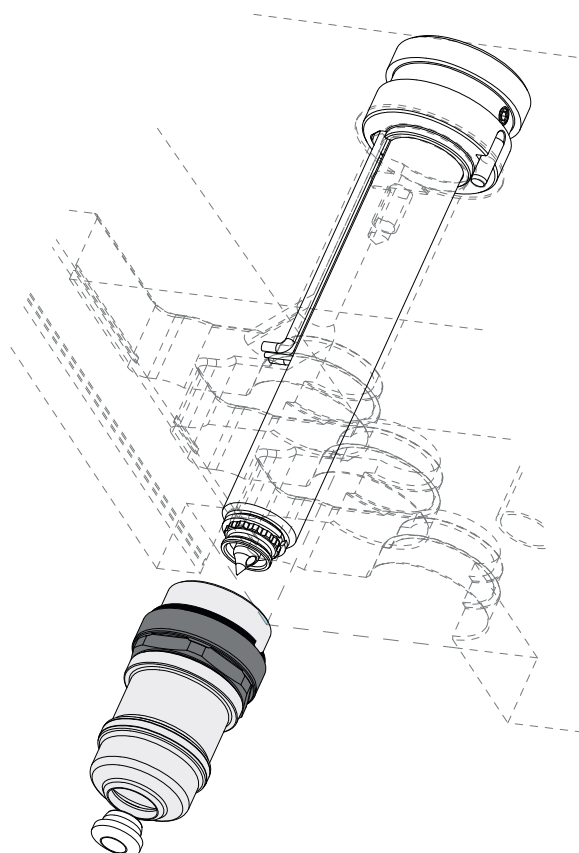


TF Ø 23	Nozzle Ø Ugello	TYPE TIPO	Ø Y *	L	TF Ø 23 sliding nozzles/ugelli a rasamento		TF6 Ø 23 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
					code/codice	code/codice extra L	code/codice	code/codice extra L
23	23	1 - 1GLT	0.6 >> 1.2	46	E09613/ØY	E09614/ØY	E16982/ØY	E16984/ØY
				56	E09572/ØY	E09573/ØY	E16983/ØY	E16985/ØY
		2 - 2P	1.0 >> 2.0	46	E09828/ØY	E09830/ØY	E16986/ØY	E16988/ØY
				56	E09829/ØY	E09831/ØY	E16987/ØY	E16989/ØY
		3 cylindrical 3 cilindrico	0.8 >> 1.8	46	E09845/ØY	E09847/ØY	MOØ23 - pag. 11.21	
				56	E09846/ØY	E09848/ØY		
		3conical 3conico	0.8 >> 2	46	E09930/ØY	E09932/ØY		
				56	E09931/ØY	E09933/ØY		
		1D-3D	--	46	E09702	--	E16998	--
				56	E09703	--	E16999	--
		2D	--	46	E09834	--	E17000	--
				56	E09835	--	E17001	--

TD Ø 22	Nozzle 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
					code/codice	code/codice extra L	code/codice	code/codice extra L
22	22	1 - 1GLT	0.6 >> 1.2	36	E17575/ØY	E17577/ØY	E17575/ØY	E17577/ØY
				46	E17576/ØY	E17578/ØY	E17576/ØY	E17578/ØY
		2	1.0 >> 2.0	36	E17788/ØY	E17790/ØY	E17788/ØY	E17790/ØY
				46	E17789/ØY	E17791/ØY	E17789/ØY	E17791/ØY
		3 cylindrical 3 cilindrico	0.8 >> 1.3	36	E17623/ØY	E17625/ØY	--	--
				46	E17624/ØY	E17626/ØY	--	--
		3conical 3conico	0.8 >> 1.6	36	E17635/ØY	E17637/ØY	--	--
				46	E17636/ØY	E17638/ØY	--	--



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.*