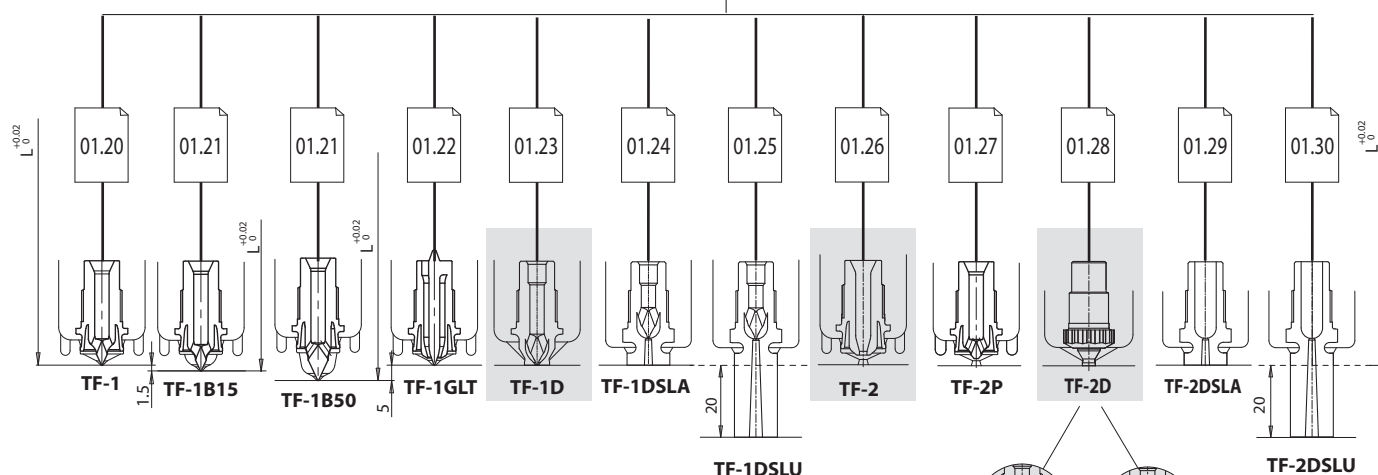
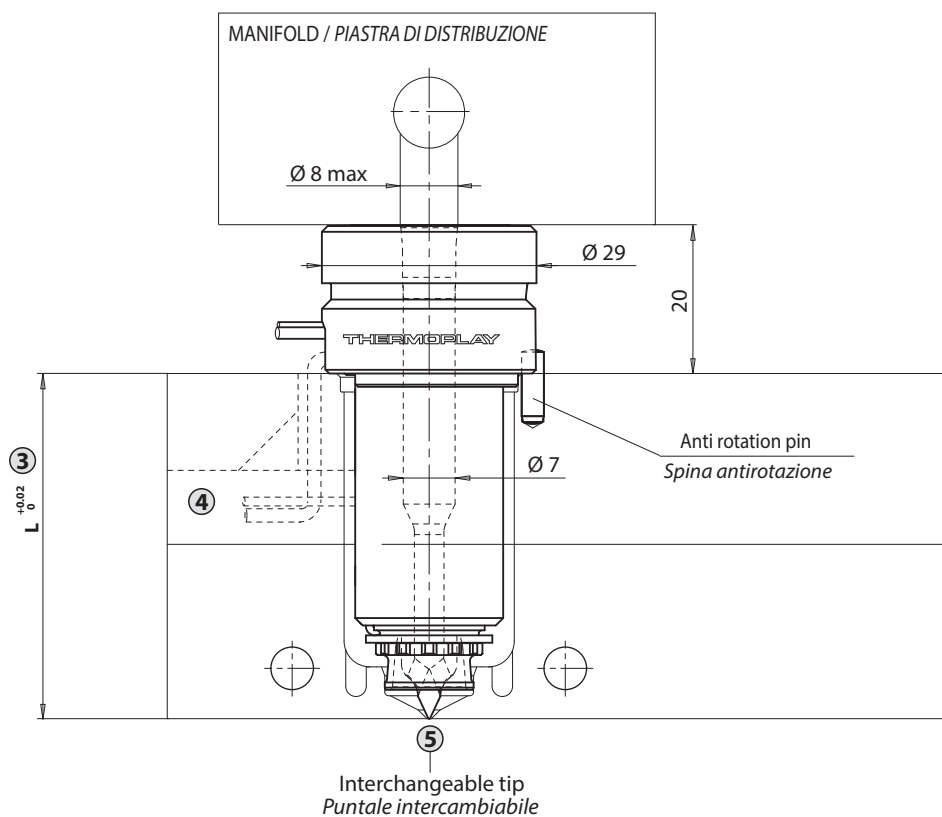
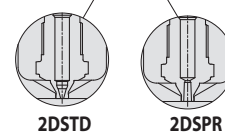




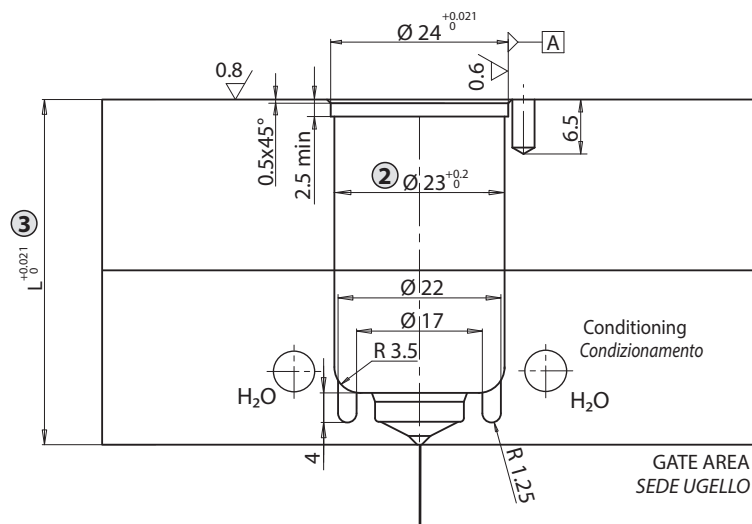
Ordering code example / Esempio d'ordine ugello:

①	②	③	④	⑤	⑥
T	F	23	136	A	2P-JG

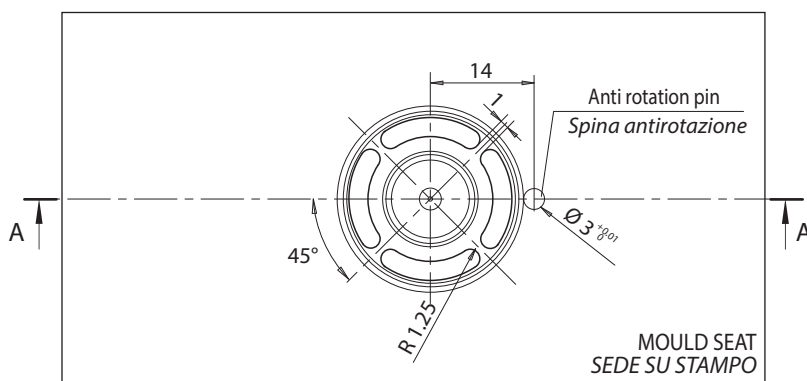
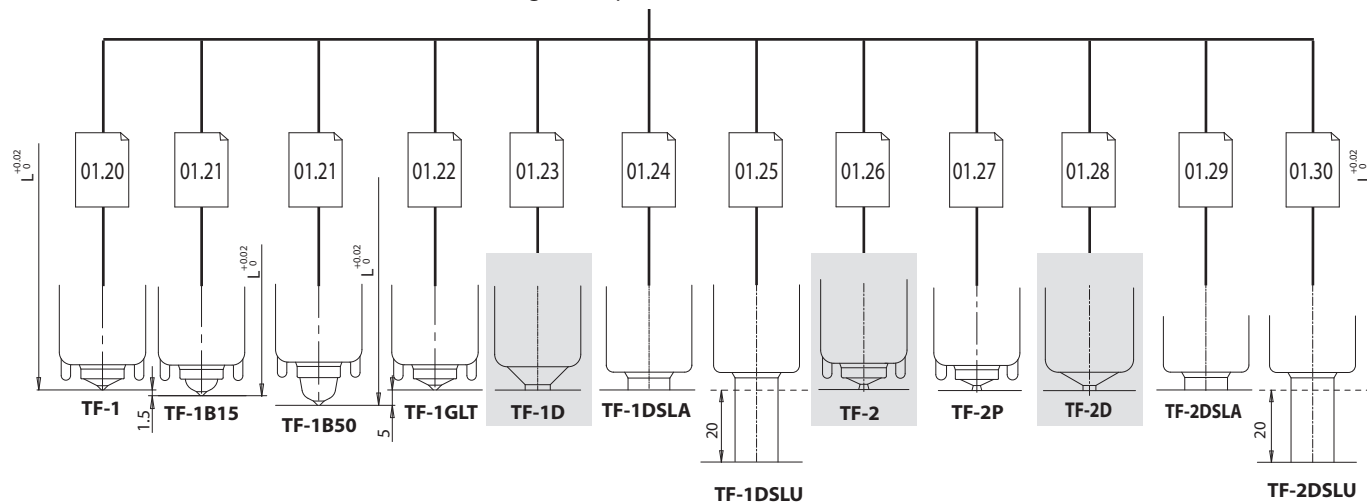
- ① Nozzle type / Tipo ugello (TF)
- ② 23 Diameter nozzle / Diametro ugello (Ø23)
- ③ 136 Nozzle length / Lunghezza ugello (L=136)
- ④ A Top heater cable exit / Uscita cavi in alto (A)
- ⑤ 2P Tip type / Tipo puntale (2P)
- ⑥ JG Thermocouple type / Tipo termocoppia (grounded / a massa)



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.

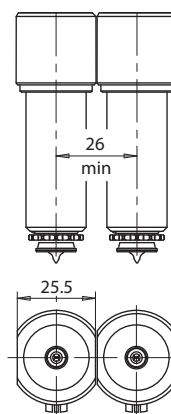


⑤ Interchangeable tips / Puntali intercambiabili



Minimum distance between nozzle centres is available on request

Minimo interasse fattibile in esecuzione speciale.

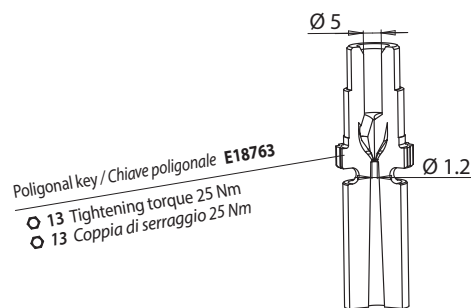




TYPE TF-1DSLÜ: The nozzle is suitable for moulding on sprues or directly in cavities, leaving a small sprue on the moulded piece. The nozzle is suitable for moulding materials with abrasive fillers. Unlike to the TF-1 nozzle, the machining of the die to seal can be carried out from the mould cavity side. With respect to the TF-1D, the tip has been strengthened to allow the execution of larger sprues. With the respect to the TF-1DSLÄ nozzle, the tip is longer and can be shaped to follow the profile of the moulded part. The circular witness mark of the tip will remain on the moulded part.

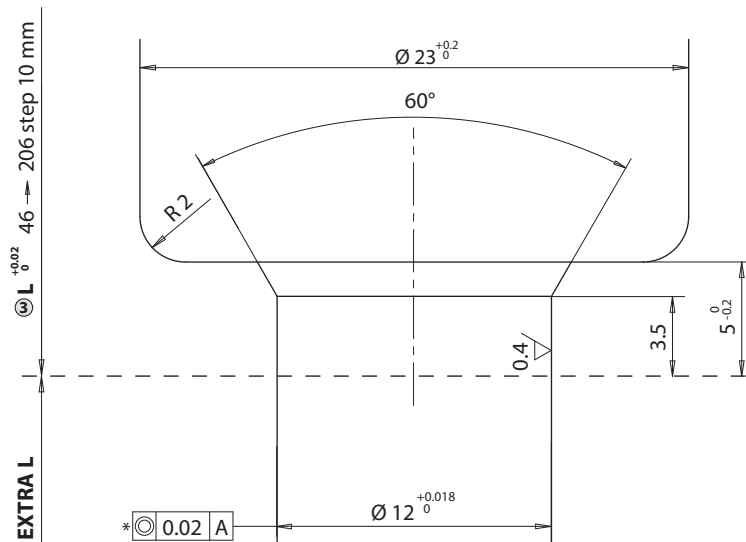
TIPO TF-1DSLÜ: L'ugello è idoneo allo stampaggio su materozza oppure direttamente in cavità lasciando una piccola materozza sul pezzo stampato. L'ugello è idoneo allo stampaggio di materiali con cariche abrasive. A differenza dell'ugello TF-1T la lavorazione della matrice per la tenuta dell'ugello può essere eseguita dal lato cavità stampo. Rispetto all'ugello TF-1D il puntale è stato irrobustito per permettere l'esecuzione di materozze con dimensioni maggiori. Rispetto all'ugello TF-1DSLÄ ha una lunghezza maggiore del puntale che può essere sagomata per seguire il profilo del particolare stampato. Sul particolare stampato rimarrà il segno circolare del puntale.

TIP GROUP / GRUPPO PUNTALE



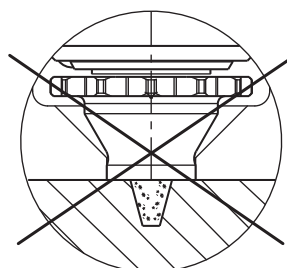
⑤ Type / Tipo	Code / Codice
TF23-1DSLÜ	E20583

GATE AREA / SEDE UGELLO

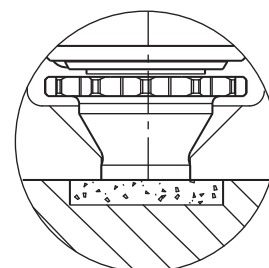


* [A] Ref. page 01.19 for sliding nozzle - page 09.06 for single nozzle
 [A] Rif. to pagina 01.19 per ugelli a rasamento - pagina 09.06 per monougelli

The nozzle **MUST NOT** come in contact with the mould moving half.
 L'ugello in fase di esercizio non deve andare in battuta sull'acciaio della parte mobile dello stampo.



**NO
NO**



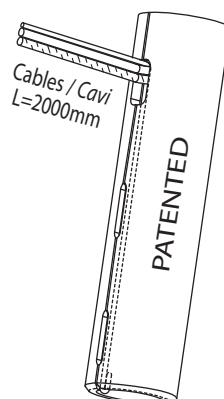
**YES
SI**



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		

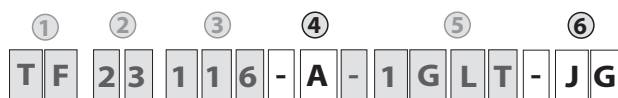


Suffix Suffisso	⑥	Description Descrizione
.. - JG		Grounded thermocouple with J type calibration Termocoppia ugello a massa tipo J
.. - JU		Insulated thermocouple with J type calibration Termocoppia ugello isolata tipo J

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)

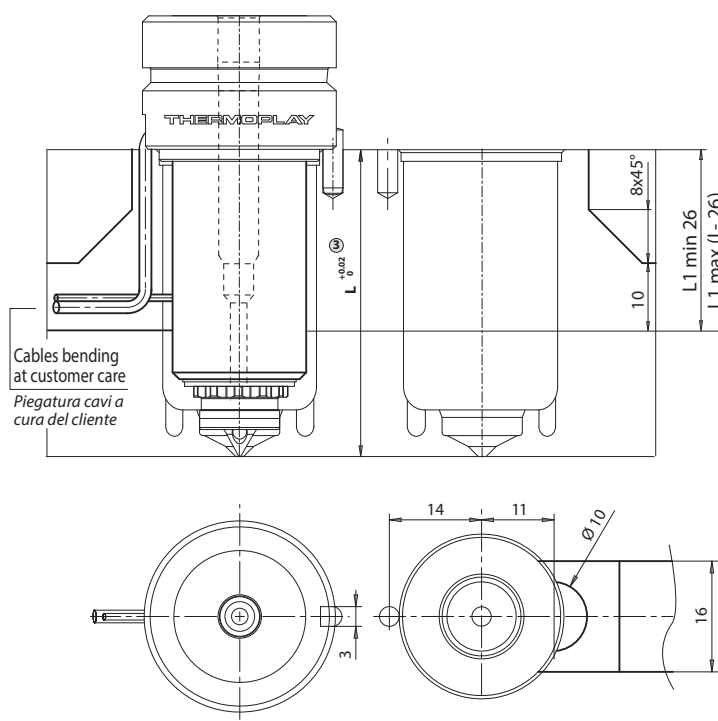
If not specified, grounded thermocouple are supplied / Se non specificato fornito termocoppia a massa

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		