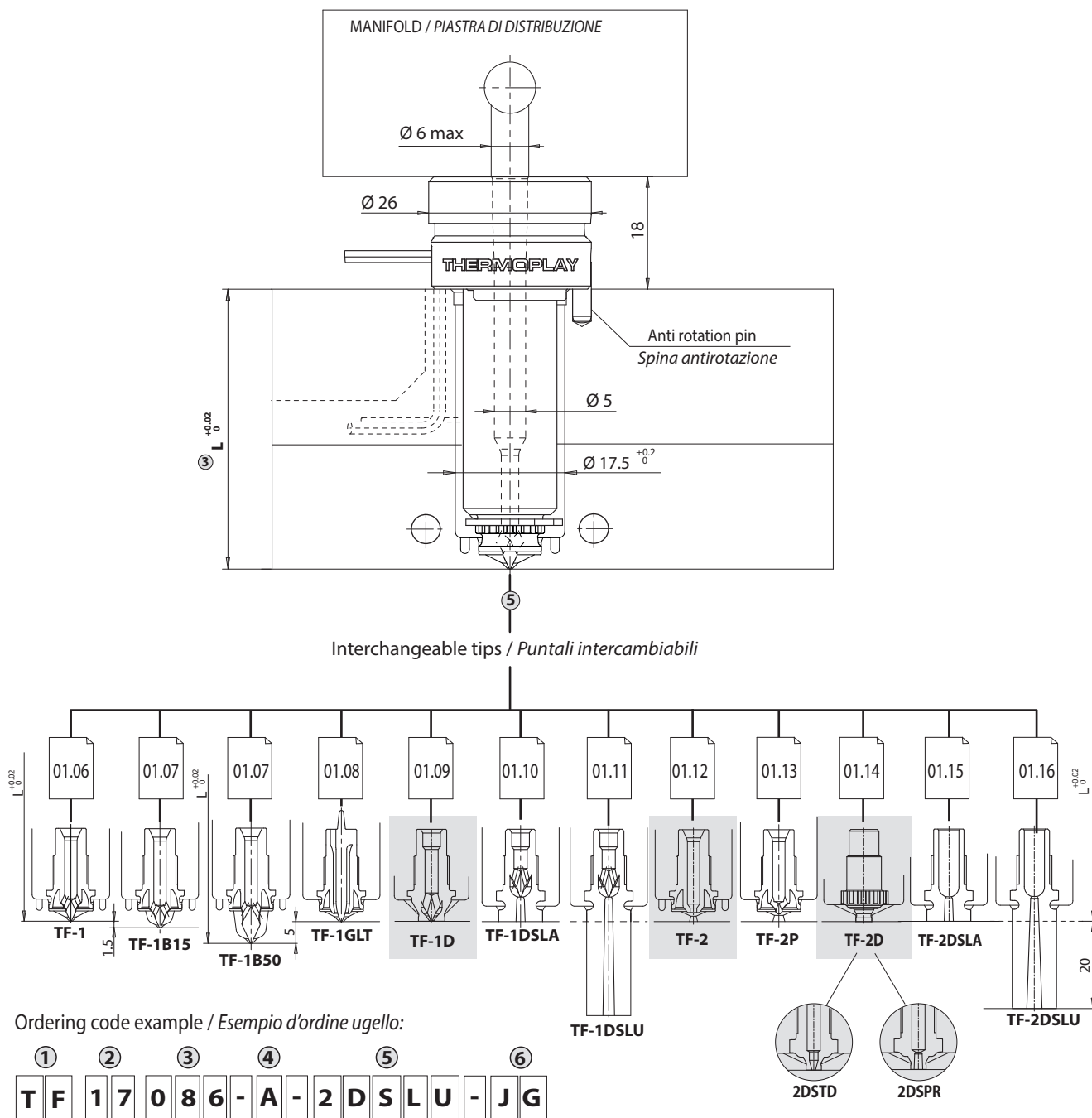




① Nozzle type / Tipo ugello (TF)

② 17 Diameter nozzle / Diametro ugello (Ø17)

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

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

⑤ 2DSL U Tip type / Tipo puntale (2DSL U)

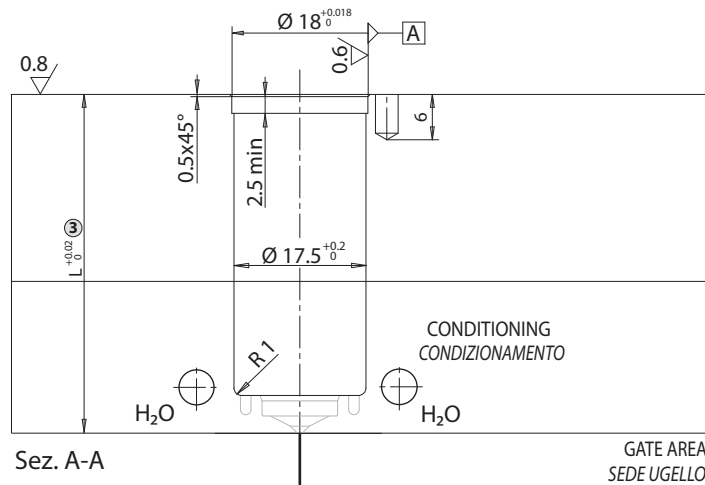
⑥ JG Thermocouple type / Tipo termocoppia (grounded / a massa)

01.17

01.17

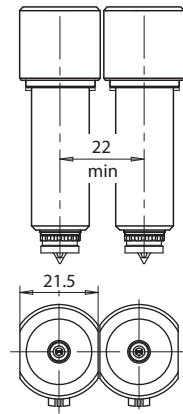
01.17

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

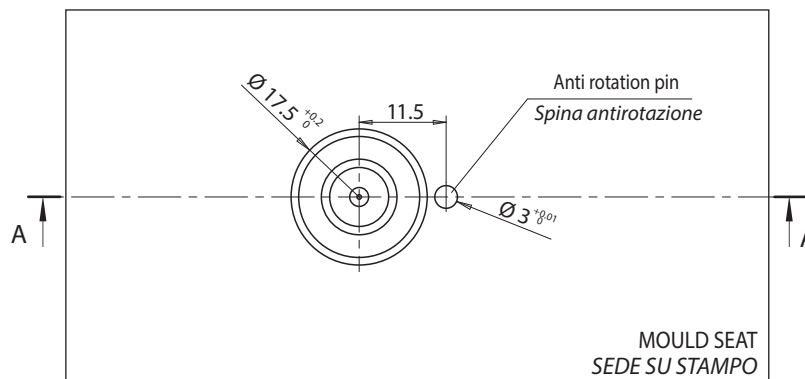
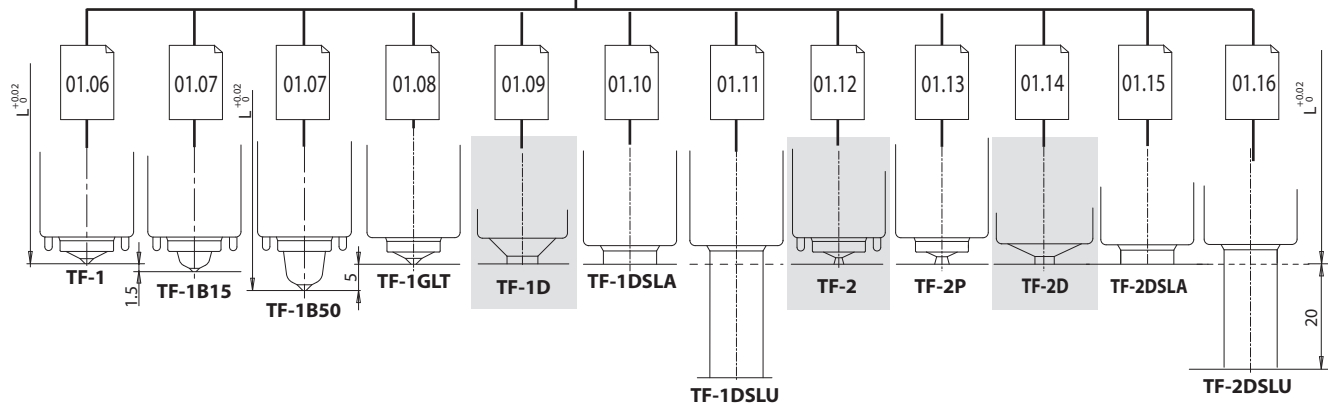


Minimum distance between nozzle centres is available on request

Minimo interasse fattibile in esecuzione speciale.



⑤ Interchangeable tips / Puntali intercambiabili



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.

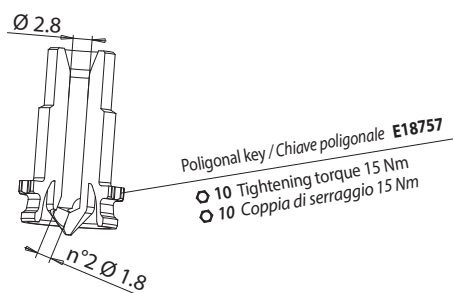


TYPE TF-2P: The nozzle can be used to inject onto the sprue directly in the cavity, however leaving marked evidence of the injection point. The nozzle is particularly suitable for moulding materials that tend to drool. It is suitable for moulding materials with abrasive fillers.

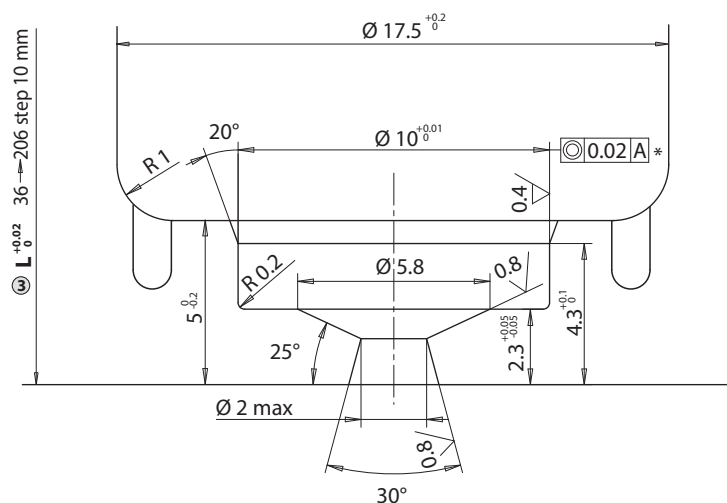
TIPO TF-2P: L'ugello può essere utilizzato per iniettare su materozza oppure direttamente in cavità lasciando però un testimone marcato del punto di iniezione. L'ugello è particolarmente adatto allo stampaggio di materiali che tendono a colare. E' idoneo allo stampaggio di materiali con cariche abrasive.

TIP GROUP / GRUPPO PUNTALE

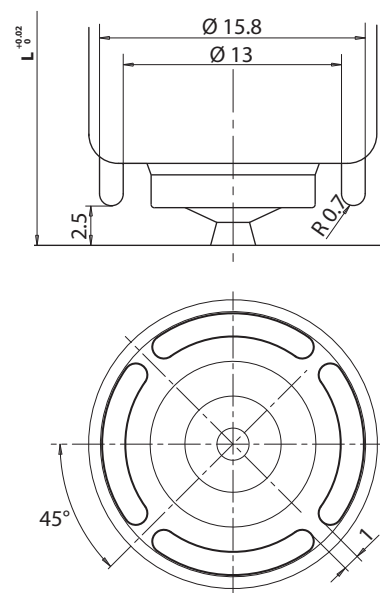
⑤ Type / Tipo	Code / Codice
TF17-2P	E20876



GATE AREA / SEDE UGELLO



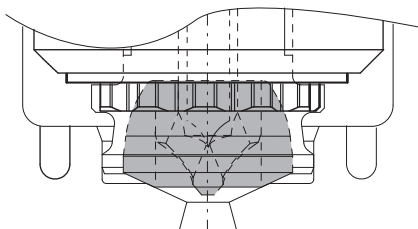
* [A] Ref. page 01.05 for sliding nozzle - page 09.04 for single nozzle
 pagina 01.05 per ugelli a rasamento - pagina 09.04 per monougelli



COLOUR CHANGE BUSHING / BOCCOLA CAMBIO COLORE

Available upon request / Disponibile su richiesta

Type / Tipo	Code / Codice
TF-2P	E20889



Injection nozzle on sprue indicated for materials that are difficult to mould.
 Ugello ad iniezione su materozza indicato per materiali difficili da stampare.

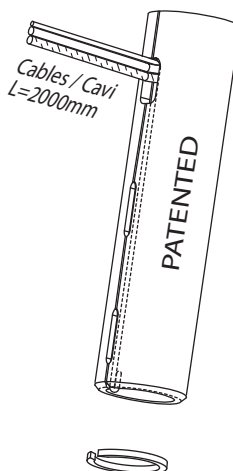
Standard and cooling bushings on pages 14.02-04 / Boccole portaugelli normali e condizionate pag. 14.02-04



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

- A ^④

③ L	L Type 1B15 Tipo 1B15	L Type 1B50 Tipo 1B50	Heater code Codice resistenza	Watt	Thermocouple Codice termocoppia ugello ⑥	
					grounded - a massa .. - JG	insulated - isolata .. - JU
36	37.5	41	E09394	200	E05302-TF17	E16027-TF17
46	47.5	51	E09395	200		
56	57.5	61	E09310	200		
66	67.5	71	E09311	200		
76	77.5	81	E09312	200		
86	87.5	91	E09313	200	E05504-TF17	E16029-TF17
96	97.5	101	E09314	200		
106	107.5	111	E09315	200		
116	117.5	121	E09316	200		
126	127.5	131	E09317	200		
136	137.5	141	E09318	220	E05917-TF17	E16030-TF17
146	147.5	151	E09319	220		
156	157.5	161	E09320	220		
166	167.5	171	E09321	220		
176	177.5	181	E09322	235		
186	187.5	191	E09323	235	E05913-TF17	E16031-TF17
196	197.5	201	E09324	235		
206	207.5	211	E09325	235		

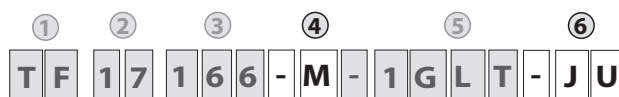


Suffix Suffisso ⑥	Description Descrizione
.. - JG	Grounded thermocouple with J type calibration Termocoppia ugello a massa tipo J
.. - JU	Insulated thermocouple with J type calibration Termocoppia ugello isolata tipo J

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	E19837

Ordering code example / Esempio d'ordine ugello:



- ① TF nozzle type / Tipo ugello (TF)
- ② 16 Nozzle diameter / Diametro ugello (Ø16)
- ③ 166 nozzle length / Lunghezza ugello (L=166)
- ④ M Middle heater cable exit / Uscita cavi a metà (M)
- ⑤ 1GLT Tip type / Tipo puntale (1GLT)
- ⑥ JU Thermocouple type / Tipo termocoppia (insulated / isolata)

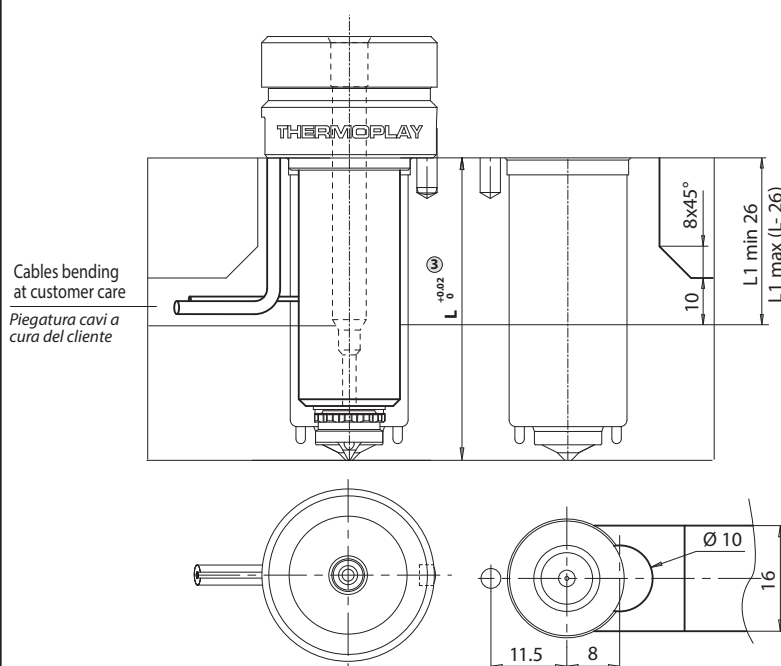
If not specified, grounded thermocouple are supplied / Se non specificato fornito termocoppia a massa

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: 1/1GLT/1B

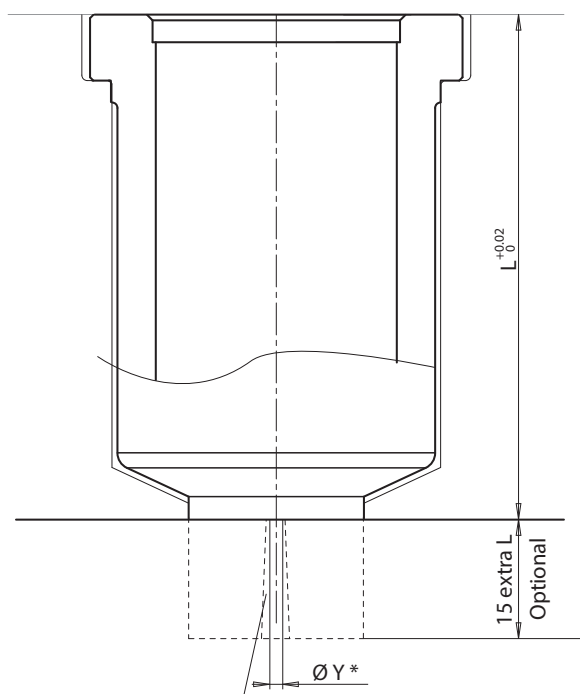
The wire exit in the middle of the nozzle body allows the heater replacement with the mould assembled to the press machine.
L'uscita dei cavi in posizione intermedia lungo il corpo ugello permette la sostituzione della resistenza con lo stampo montato sulla pressa.



L	L Type 1B15 Tipo 1B15	L Type 1B50 Tipo 1B50	Heater code Codice resistenza	Watt	Thermocouple Codice termocoppia ugello ⑥	
					grounded - a massa .. - JG	insulated - isolata .. - JU
66	67.5	71	E09627	200	E05302-TF17	E16027-TF17
76	77.5	81	E09628	200		
86	87.5	91	E09629	200		
96	97.5	101	E09630	200		
106	107.5	111	E09631	200	E05504-TF17	E16029-TF17
116	117.5	121	E09632	200		
126	127.5	131	E09633	200		
136	137.5	141	E09634	220		
146	147.5	151	E09635	220	E05917-TF17	E16030-TF17
156	157.5	161	E09636	220		
166	167.5	171	E09637	220		
176	177.5	181	E09638	235		
186	187.5	191	E09639	235	E05913-TF17	E16031-TF17
196	197.5	201	E09640	235		
206	207.5	211	E09641	235		

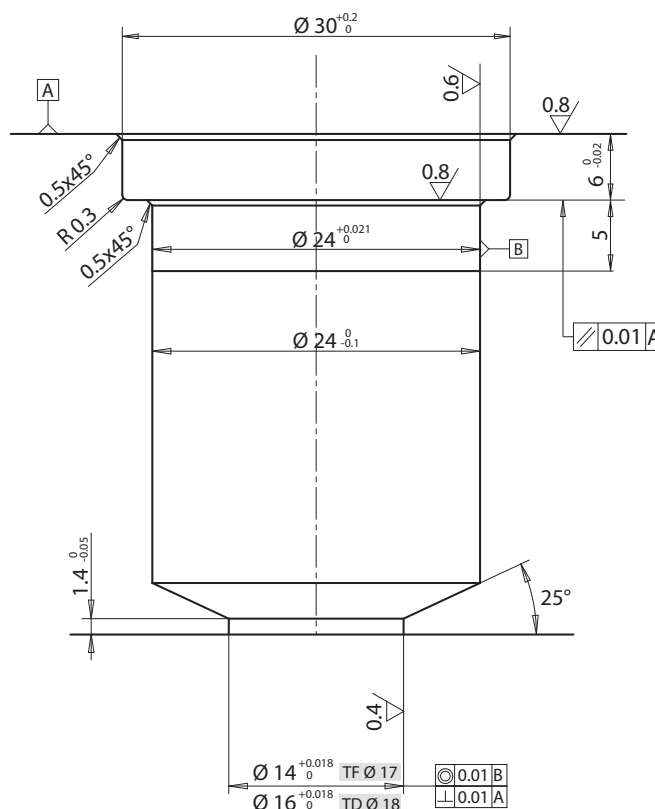


BUSHING / BOCCOLA



Draft angle at customer care
Sformatura a cura cliente

BUSHING CUTOUT / SEDE BOCCOLA



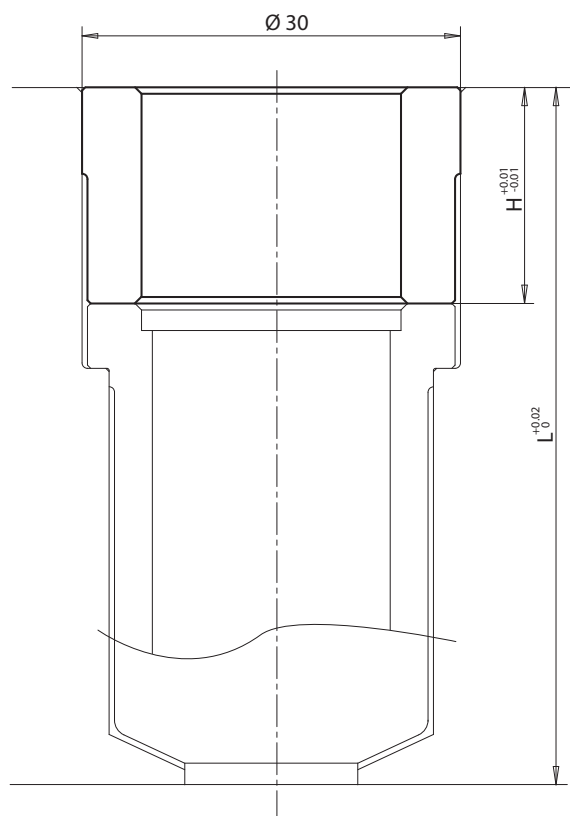
TF Ø 17	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TF Ø 17 sliding nozzles/ugelli a rasamento		TF6 Ø 17 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
	17	1 - 1GLT	0.6 >> 1.2	36	E09505/ØY	E09507/ØY	E16875/ØY	E16877/ØY
				46	E09506/ØY	E09508/ØY	E16876/ØY	E16878/ØY
		2 - 2P	1.0 >> 2.0	36	E09677/ØY	E09679/ØY	E16879/ØY	E16881/ØY
				46	E09678/ØY	E09680/ØY	E16880/ØY	E16882/ØY
		3 cylindrical 3 cilindrico	0.8 >> 1.8	36	E09686/ØY	E09688/ØY	MOØ17 - pag. 11.10	
				46	E09687/ØY	E09689/ØY		
		3conical 3conico	0.8 >> 1.3	36	E09910/ØY	E09912/ØY		
				46	E09911/ØY	E09913/ØY		

TD Ø 18	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TD Ø 18 sliding nozzles/ugelli a rasamento		TD6 Ø 18 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
	18	1 - 1GLT	0.6 >> 1.2	36	E17028/ØY	E17030/ØY	E17028/ØY	E17030/ØY
				46	E17029/ØY	E17031/ØY	E17029/ØY	E17031/ØY
		2	1.0 >> 1.8	36	E17768/ØY	E17770/ØY	E17768/ØY	E17770/ØY
				46	E17769/ØY	E17771/ØY	E17769/ØY	E17771/ØY
		3 cylindrical 3 cilindrico	0.8 >> 1.1	36	E17935/ØY	E17937/ØY	--	--
				46	E17936/ØY	E17938/ØY	--	--
		3conical 3conico	0.8 >> 1.2	36	E17939/ØY	E17941/ØY	--	--
				46	E17940/ØY	E17942/ØY	--	--

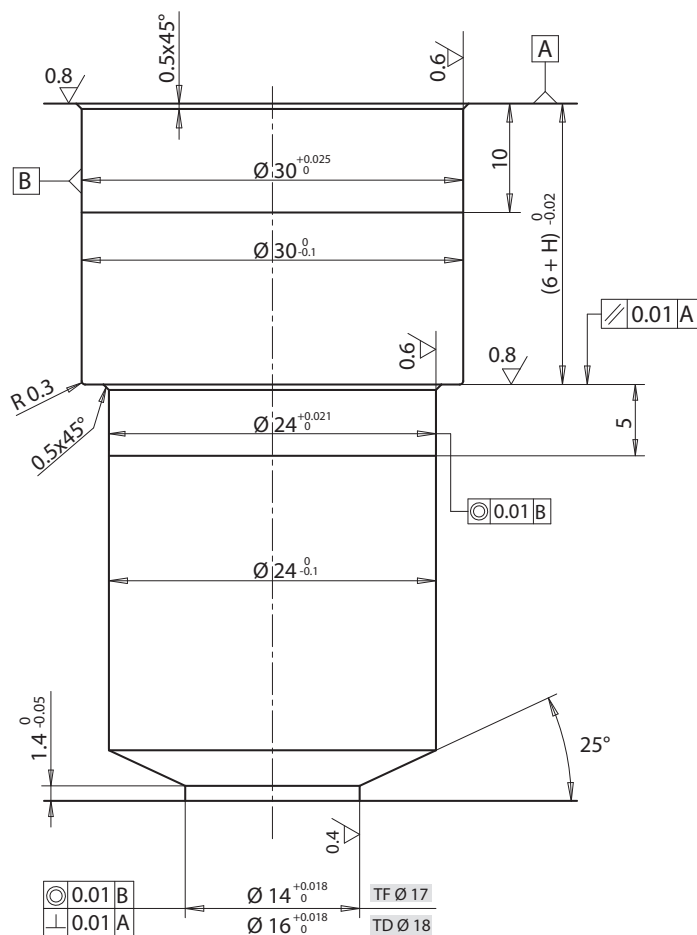
* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length
Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza



SPACER / DISTANZIALE



SPACER CUTOUT / SEDE DISTANZIALE



TF Ø 17

TF Ø 17
sliding
nozzles
ugelli a
rasamento

H	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
---	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----

TF6 Ø 17
single
nozzles
monougelli

E16891	E16892	E16893	E16894	E16895	E16896	E16897	E16898	E16899	E16900	E16901	E16902	E16903	E16904	E16905	E16906	E16907
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

TD Ø 18

TD Ø 18
sliding
nozzles
ugelli a
rasamento

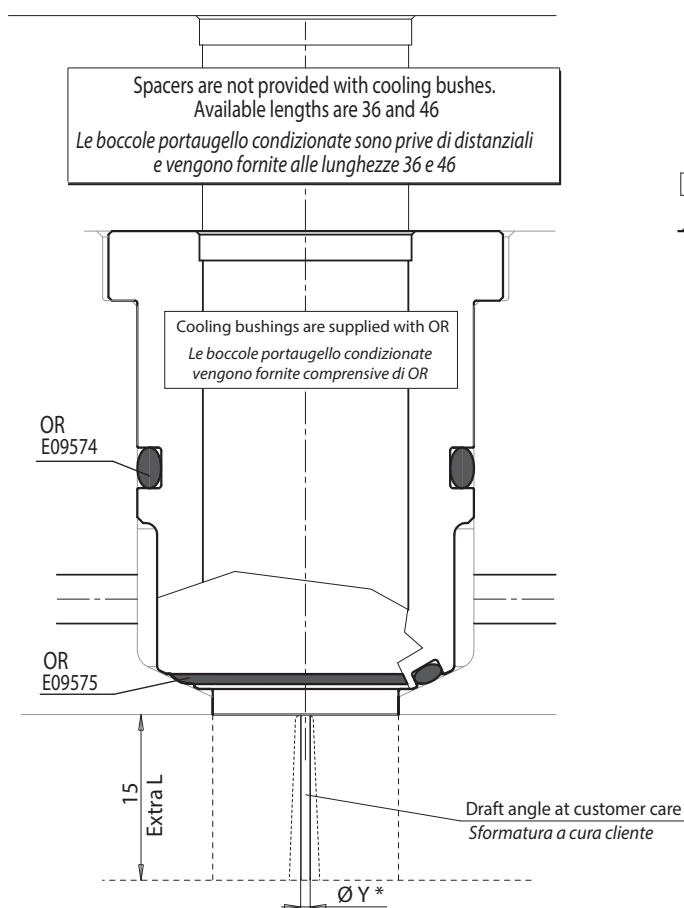
H	10	20	30	40	50	60	70	80	90	100
---	----	----	----	----	----	----	----	----	----	-----

TD6 Ø 18
single
nozzles
monougelli

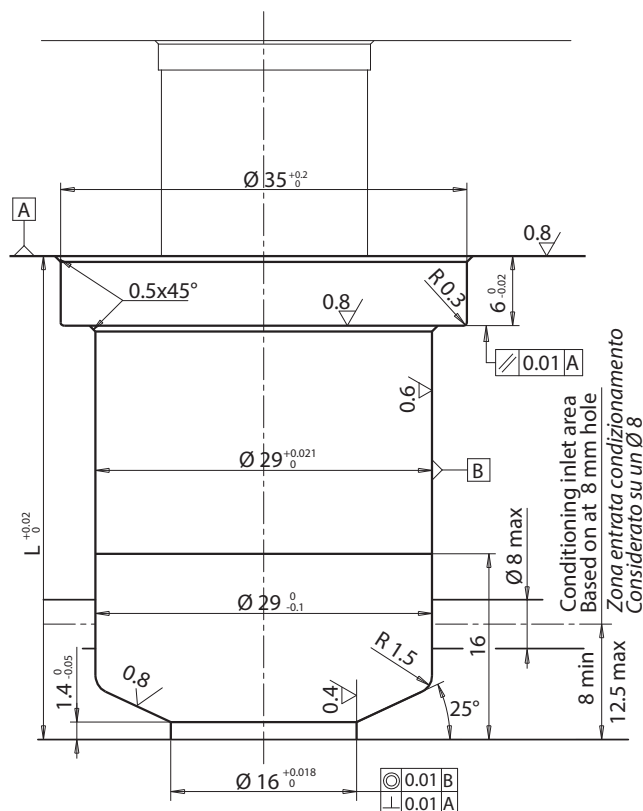
E09518	E09519	E09520	E09521	E09522	E09523	E09524	E09525	E09526	E09527
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BUSHING / BOCCOLA



BUSHING CUTOUT / SEDE BOCCOLA

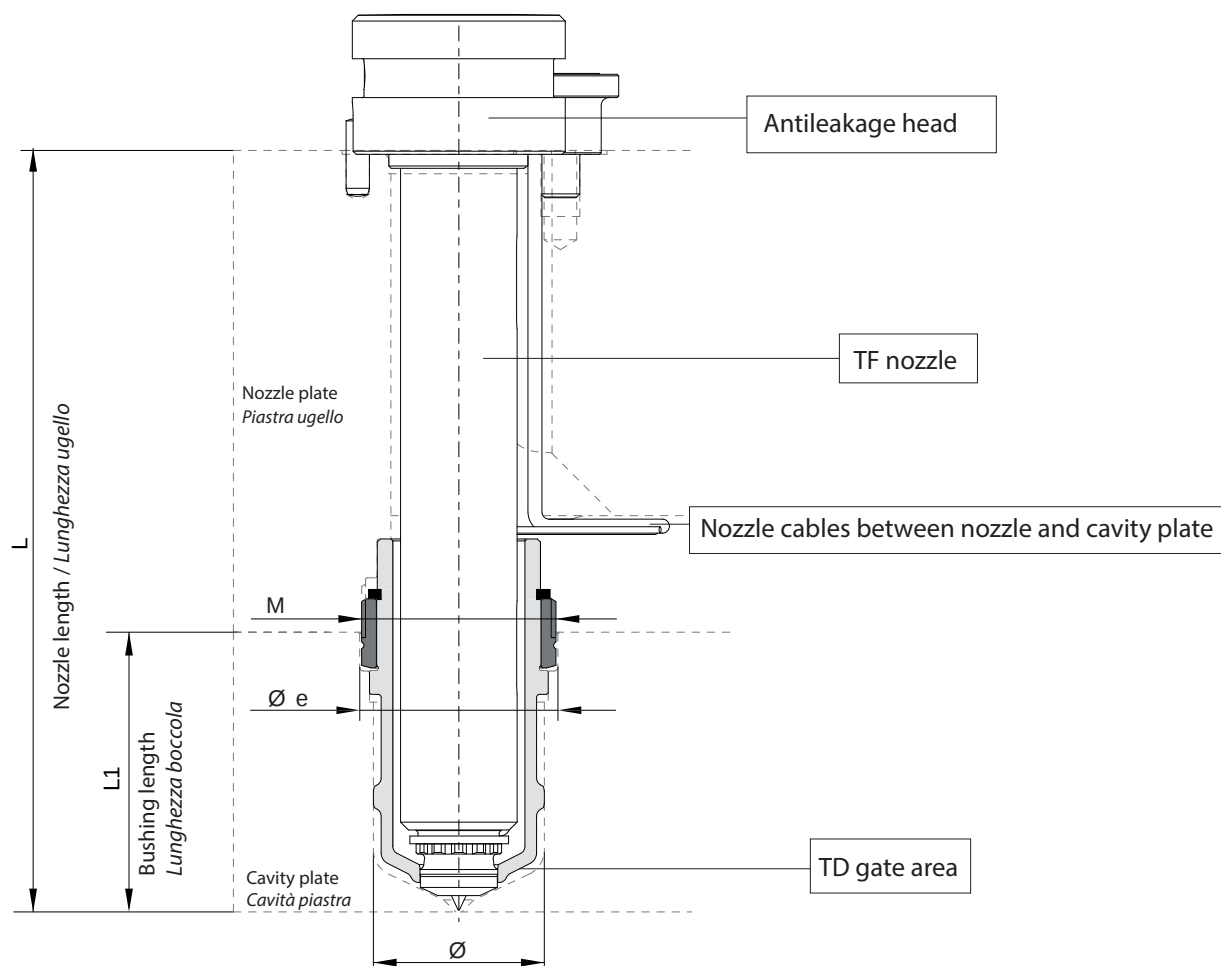


* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length

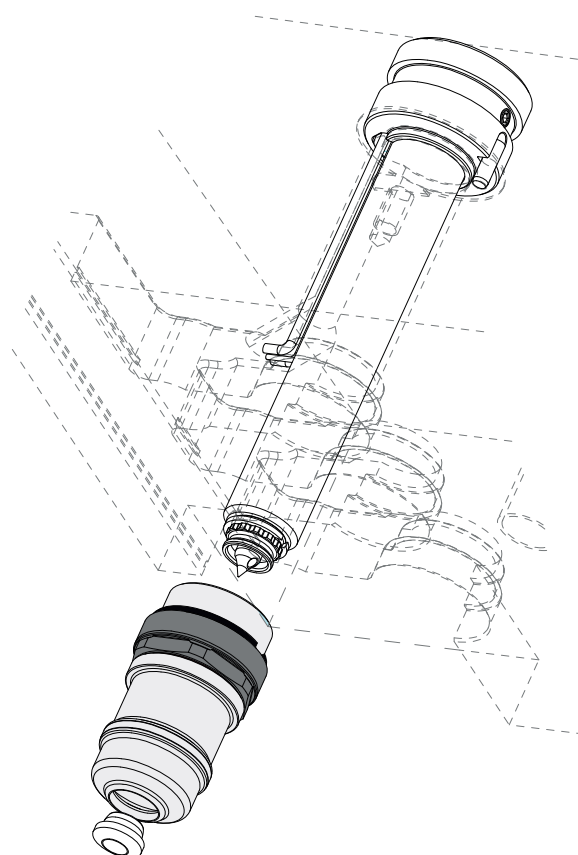
Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza

TF Ø 17	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TF Ø 17 sliding nozzles/ugelli a rasamento		TF6 Ø 17 single nozzles/monoucelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
					MOØ17 - pag. 11.11			
17		1 - 1GLT	0.6 >> 1.2	36	E09568/ØY	E09570/ØY	E16908/ØY	E16910/ØY
				46	E09569/ØY	E09571/ØY	E16909ØY	E16911/ØY
		2 - 2P	1.0 >> 2.0	36	E09681/ØY	E09683/ØY	E16912/ØY	E1914/ØY
				46	E09682/ØY	E09684/ØY	E16913/ØY	E16915/ØY
		3 cylindrical 3 cilindrico	0.8 >> 1.8	36	E09690/ØY	E09692ØY	MOØ17 - pag. 11.11	
				46	E09691/ØY	E09693/ØY		
		3conical 3conico	0.8 >> 1.3	36	E09918/ØY	E09920/ØY	MOØ17 - pag. 11.11	
				46	E09919/ØY	E09921ØY		
		1D-3D	--	36	E09700	--	E16924	--
				46	E09701	--	E16925	--
		2D	--	36	E09713	--	E16926	--
				46	E09714	--	E16927	--

TD Ø 18	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TD Ø 18 sliding nozzles/ugelli a rasamento		TD6 Ø 18 single nozzles/monoucelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
18		1 - 1GLT	0.6 >> 1.2	36	E17032/ØY	E17034/ØY	E17032/ØY	E17034/ØY
				46	E17033/ØY	E17035/ØY	E17033/ØY	E17035/ØY
		2	1.0 >> 1.8	36	E17784/ØY	E17786/ØY	E17784/ØY	E17786/ØY
				46	E17785/ØY	E17787/ØY	E17785/ØY	E17787/ØY
		3 cylindrical 3 cilindrico	0.8 >> 1.1	36	E17943/ØY	E17945/ØY	--	--
				46	E17944/ØY	E17946/ØY	--	--
		3conical 3conico	0.8 >> 1.2	36	E17947/ØY	E17949/ØY	--	--
				46	E17948/ØY	E17950/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.*