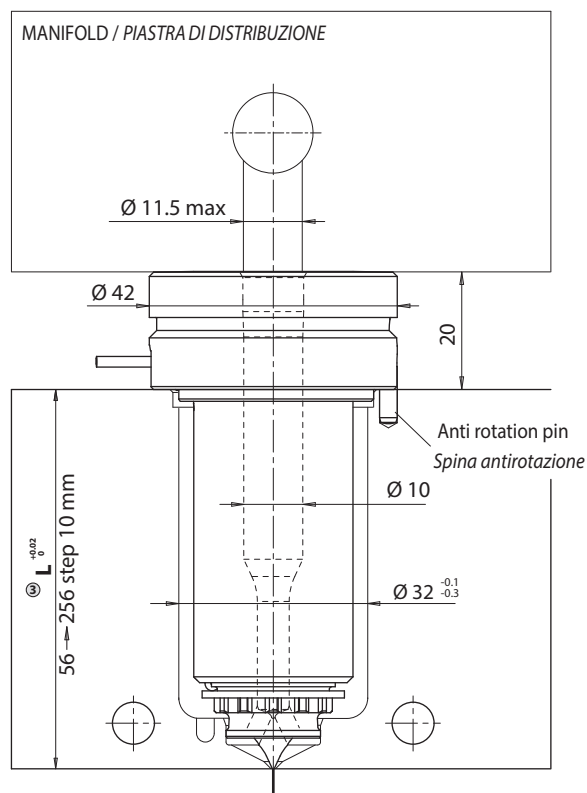
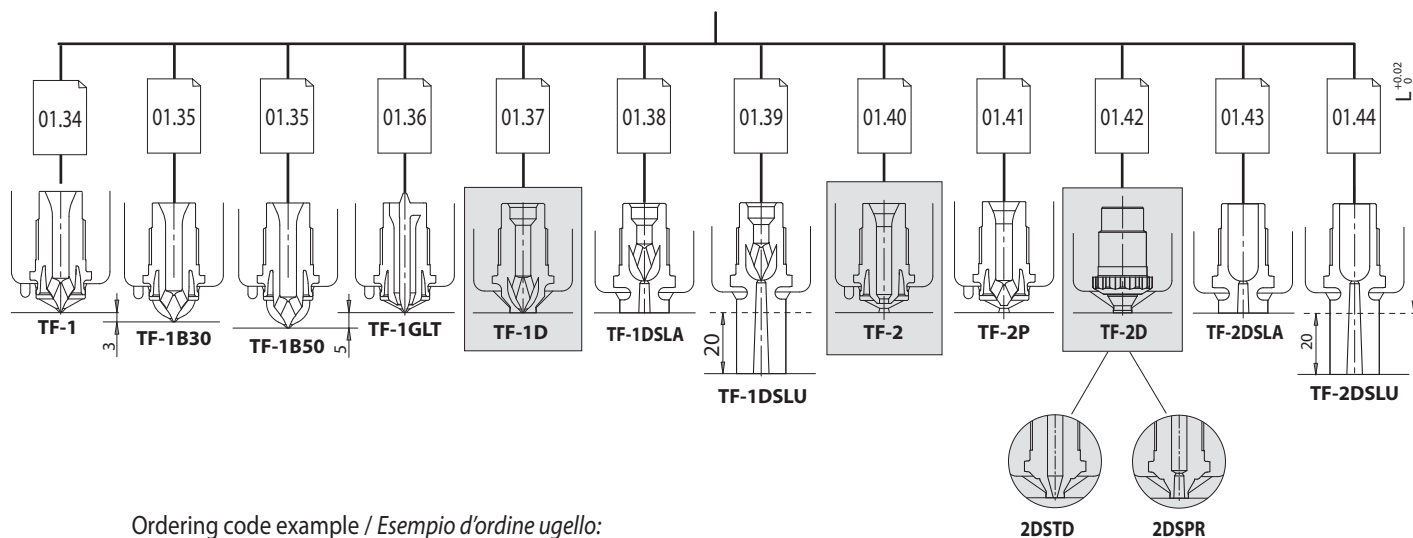




④ Interchangeable tips / Puntali intercambiabili



Ordering code example / Esempio d'ordine ugello:

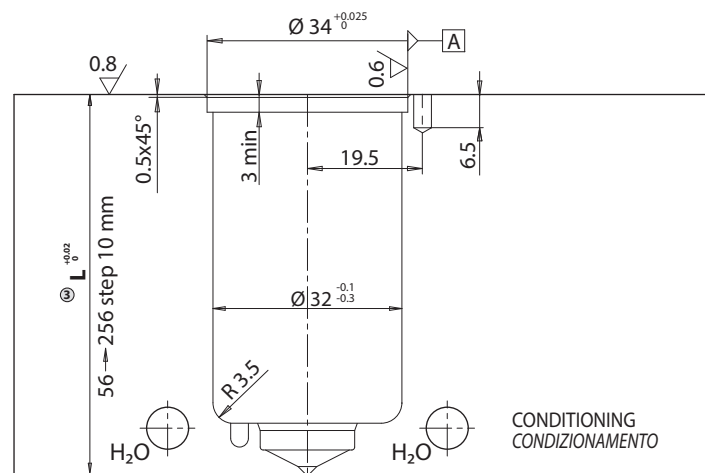
① ② ③ ④ ⑤
T F 3 2 1 9 6 - 2 P - J U

- ① Nozzle type / Tipo ugello (TF)
- ② 32 Diameter nozzle / Diametro ugello (Ø32)
- ③ 196 Nozzle length / Lunghezza ugello (L=196)
- ④ 2P Tip type / Tipo puntale 2P
- ⑤ JU Thermocouple type / Tipo termocoppia (insulated / isolata)

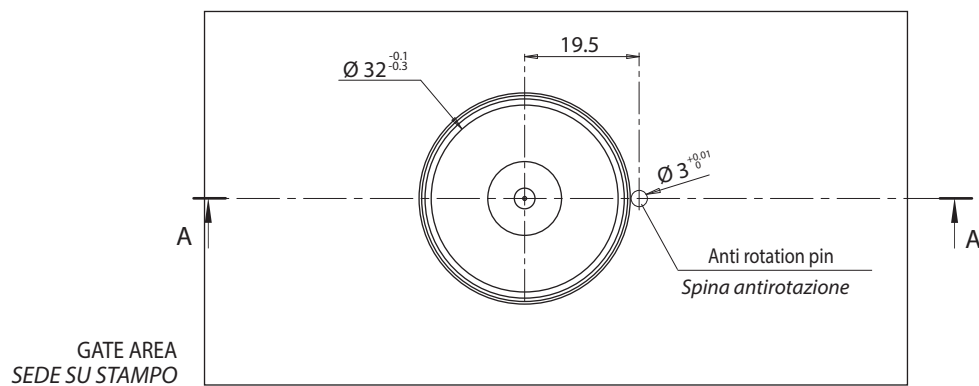
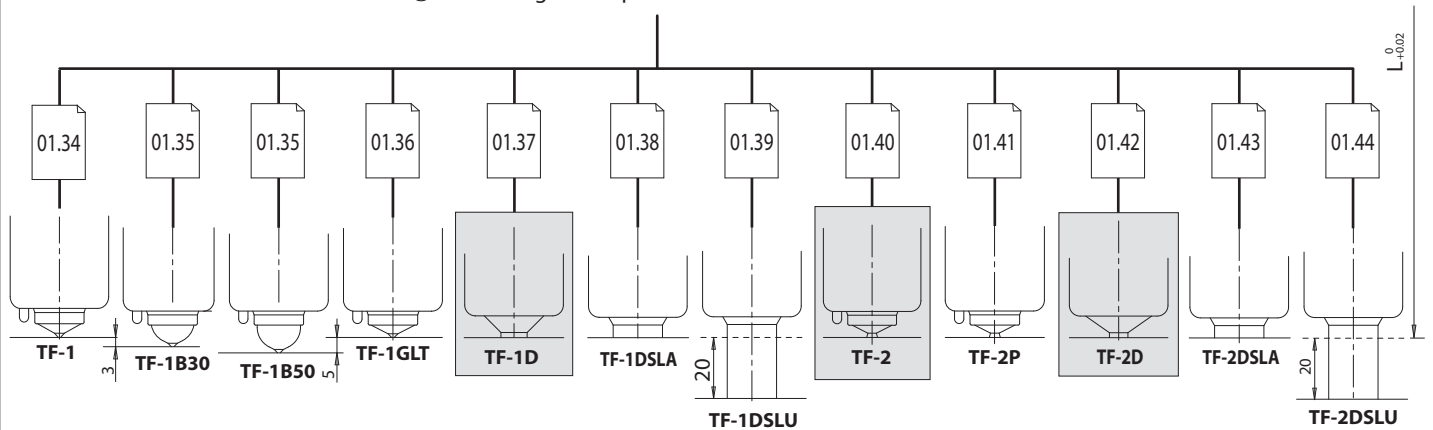
01.45

01.45

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.



④ 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.

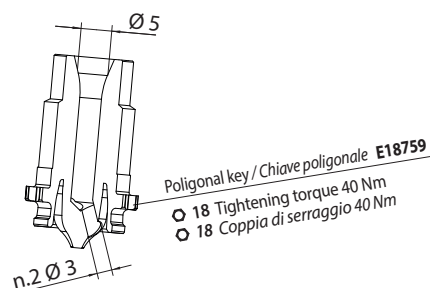


TYPE TF-2P: The nozzle can be used to inject onto the sprue directly in the cavity, however leaving marked evidence of the injection point. The nozzle is particularly suitable for moulding materials that tend to drool. It is suitable for moulding materials with abrasive fillers.

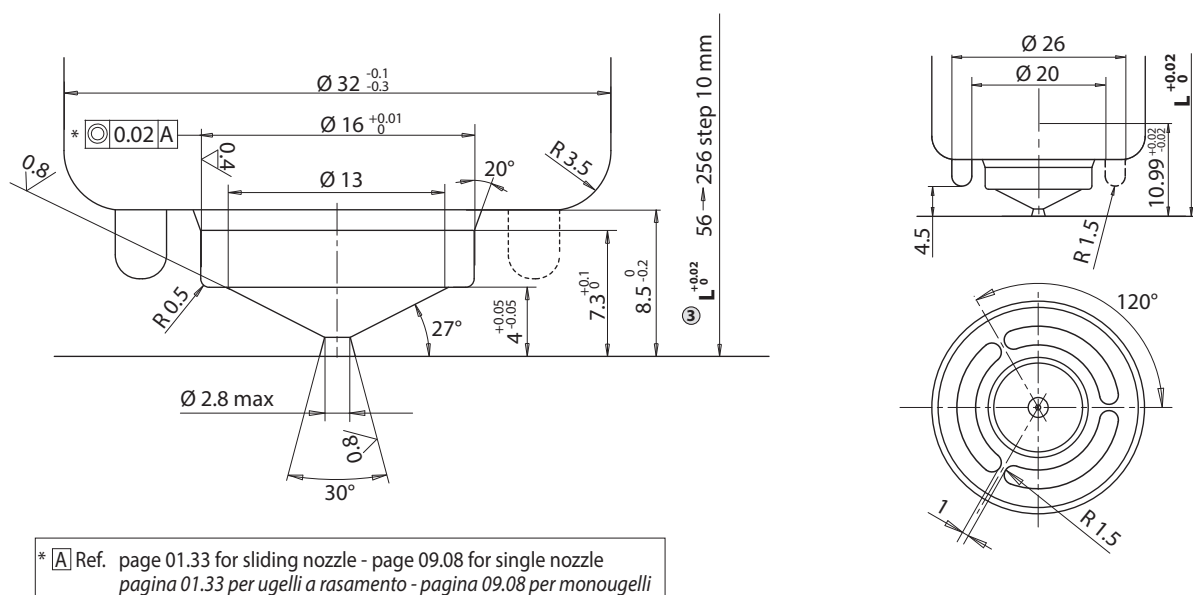
TIPO TF-2P: L'ugello può essere utilizzato per iniettare su materozza oppure direttamente in cavità lasciando però un testimone marcato del punto di iniezione. L'ugello è particolarmente adatto allo stampaggio di materiali che tendono a colare. E' idoneo allo stampaggio di materiali con cariche abrasive.

TIP GROUP / GRUPPO PUNTALE

⑤ Type / Tipo	Code / Codice
TF32-2P	E21507



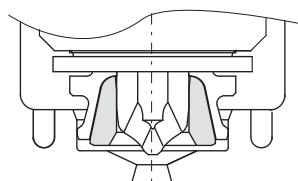
GATE AREA / SEDE UGELLO



COLOUR CHANGE BUSHING / BOCCOLA CAMBIO COLORE

Available upon request / Disponibile su richiesta

⑤ Type / Tipo	Code / Codice
TF32-2P	E21827



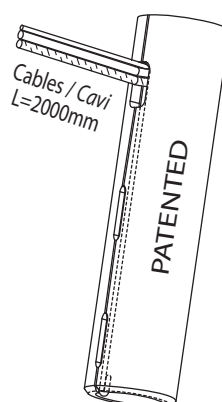
Injection nozzle on sprue indicated for materials that are difficult to mould.
Ugello ad iniezione su materozza indicato per materiali difficili da stampare.

Cooling bushings on pages 14.12 / Boccole portaugelli condizionate pag. 14.12



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

③ L	L 1B30	L 1B50	Heater code Codice resistenza	Watt	Thermocouple Codice termocoppia ugello ⑤	
					grounded - a massa .. - JG	insulated - isolata .. - JU
56	59	61	E09790	270	E05302-F32	E16027-F32
66	69	71	E09791	270		
76	79	81	E09792	320	E05504-F32	E16029-F32
86	89	91	E09793	320		
96	99	101	E09794	320		
106	109	111	E09795	370		
116	119	121	E09796	370	E05917-F32	E16030-F32
126	129	131	E09797	370		
136	139	141	E09798	420		
146	149	151	E09799	420		
156	159	161	E09800	420		
166	169	171	E09801	460		
176	179	181	E09802	460	E05913-F32	E16031-F32
186	189	191	E09803	460		
196	199	201	E09804	490		
206	209	211	E09805	490		
216	219	221	E09806	490		
226	229	231	E09807	520	E05933-F32	E16032-F32
236	239	241	E09808	520		
246	249	251	E09809	520		
256	259	261	E09810	520		



Suffix Suffisso ⑤	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	E18745

Ordering code example / Esempio d'ordine ugello:

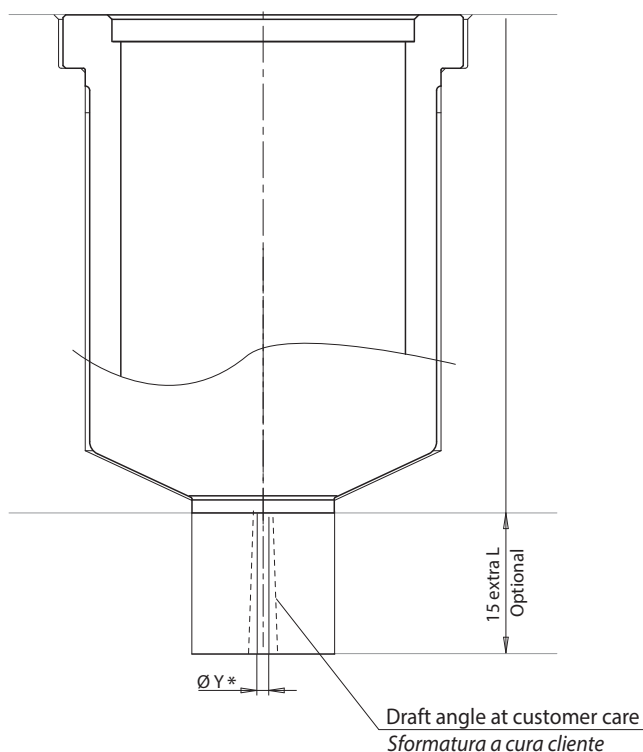
①	②	③	④	⑤
T	F	3	2	2
4	6	-	1	-
J	G			

- ① TF nozzle type / Tipo ugello (TF)
- ② 32 Nozzle diameter / Diametro ugello (Ø32)
- ③ 246 nozzle length / Lunghezza ugello (L=246)
- ④ 1 Tip type / Tipo puntale (1)
- ⑤ JG Thermocouple type / Tipo termocoppia (grounded / a massa)

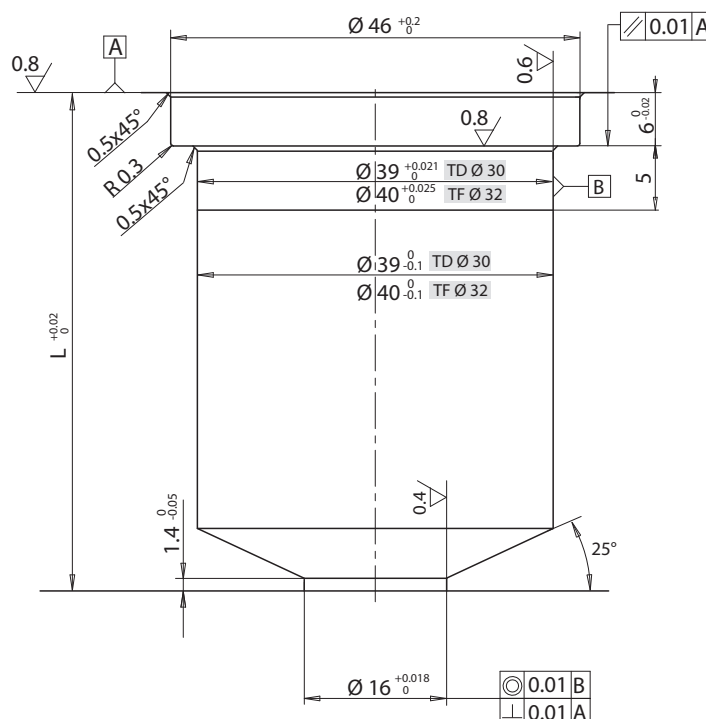
If not specified, grounded thermocouple are supplied / Se non specificato fornito termocoppia a massa



BUSHING / BOCCOLA



BUSHING CUTOUT / SEDE BOCCOLA



TF Ø 32	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TF Ø 32 sliding nozzles/ugelli a rasamento		TF6 Ø 32 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice 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 3 cilindrico		1.6 >> 3	56	E09972/ØY	E09974/ØY	MOØ32 - pag. 11.30		
			66	E09973/ØY	E09975/ØY			
3conical 3conico	1.6 >> 2.5	56	E09976/ØY	E09978/ØY				
		66	E09977/ØY	E09979/ØY				

TD Ø 30	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TD Ø 30 sliding nozzles/ugelli a rasamento		TD6 Ø 30 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice 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 3 cilindrico	1.6>> 2	46	E17603/ØY	E17605/ØY	--	--
56				E17604/ØY	E17606/ØY	--	--	
3conical 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



TF Ø 32	Nozzle Ø Ø Ugello	TIPO TYPE	Ø Y *	L	TF Ø 32 sliding nozzles ugelli a rasamento		TF6 Ø 32 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
	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 3 cilindrico	1.6 >> 3	56	E15011/ØY	E15013ØY	MOØ32 - pag. 11.31	
				66	E15012/ØY	E15014/ØY		
		3conical 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	--		

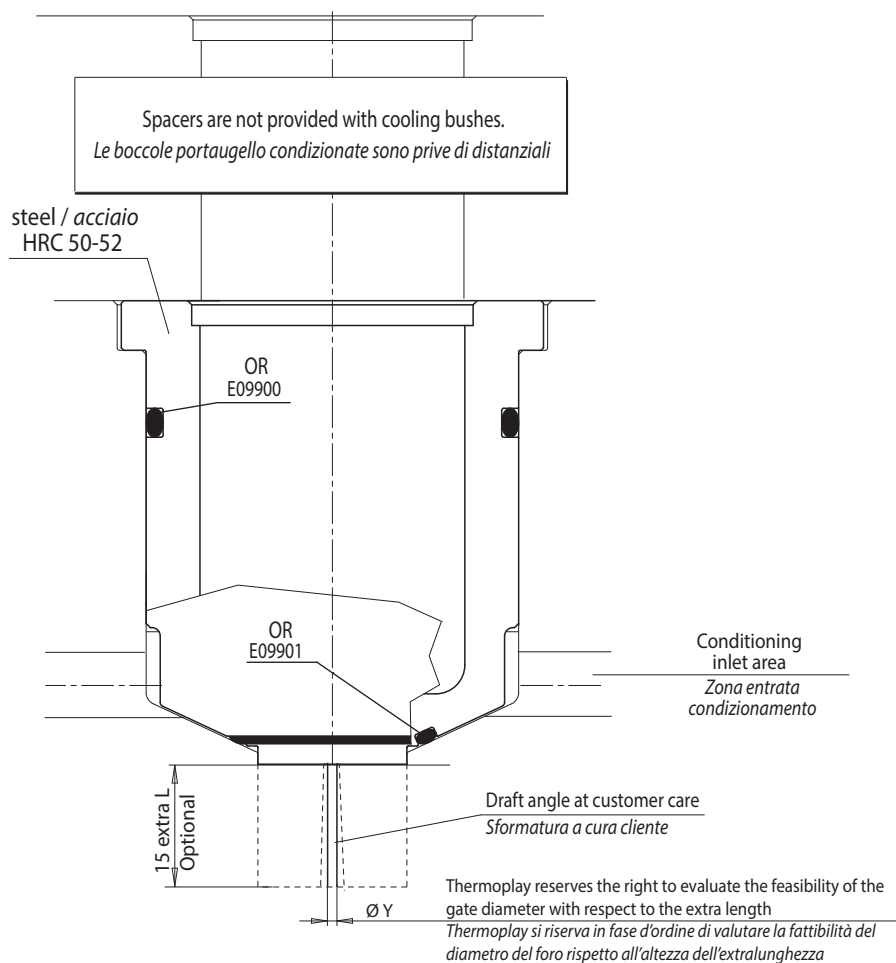
TD Ø 30	Nozzle Ø Ø Ugello	TIPO TYPE	Ø Y *	L	TD Ø 30 sliding nozzles /ugelli a rasamento		TD6 Ø 30 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
	30	1 - 1GLT	0.8 >> 1.5	46	E17579/ØY	E17581/ØY	E17579/ØY	E17581/ØY
				56	E17580/ØY	E17582/ØY	E17580/ØY	E17582/ØY
		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 3 cilindrico	1.6 >> 2	46	E17627/ØY	E17629/ØY	--	--
				56	E17628/ØY	E17630/ØY	--	--
		3conical 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.

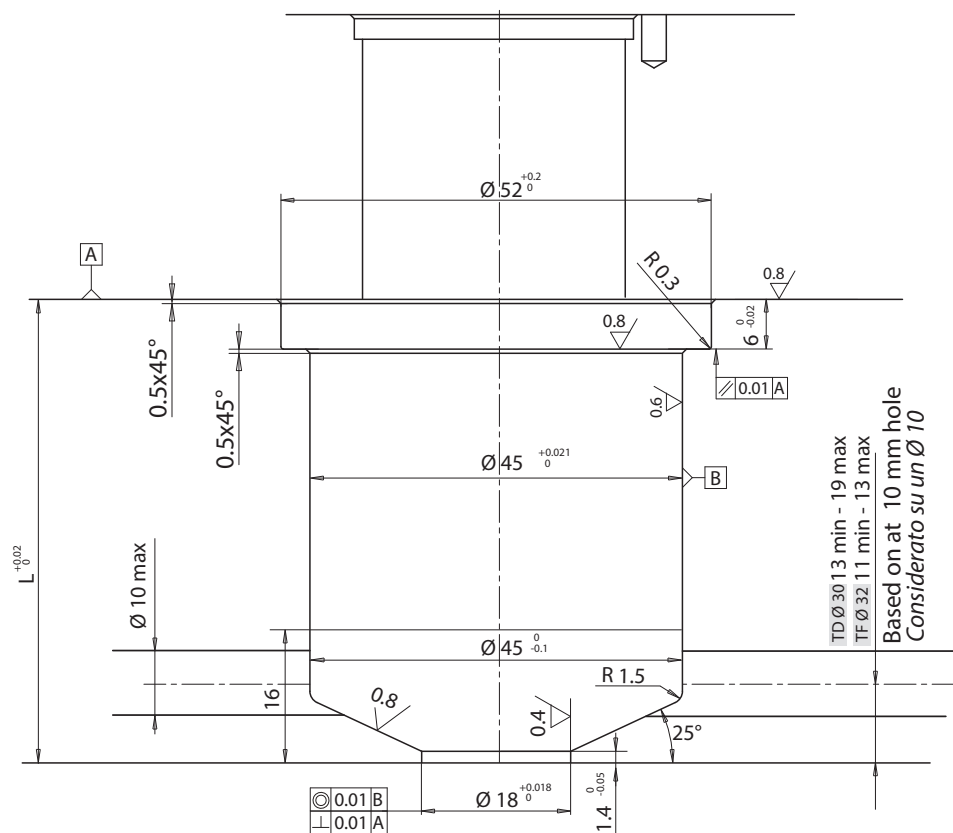
* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length
 Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza



BUSHING / BOCCOLA



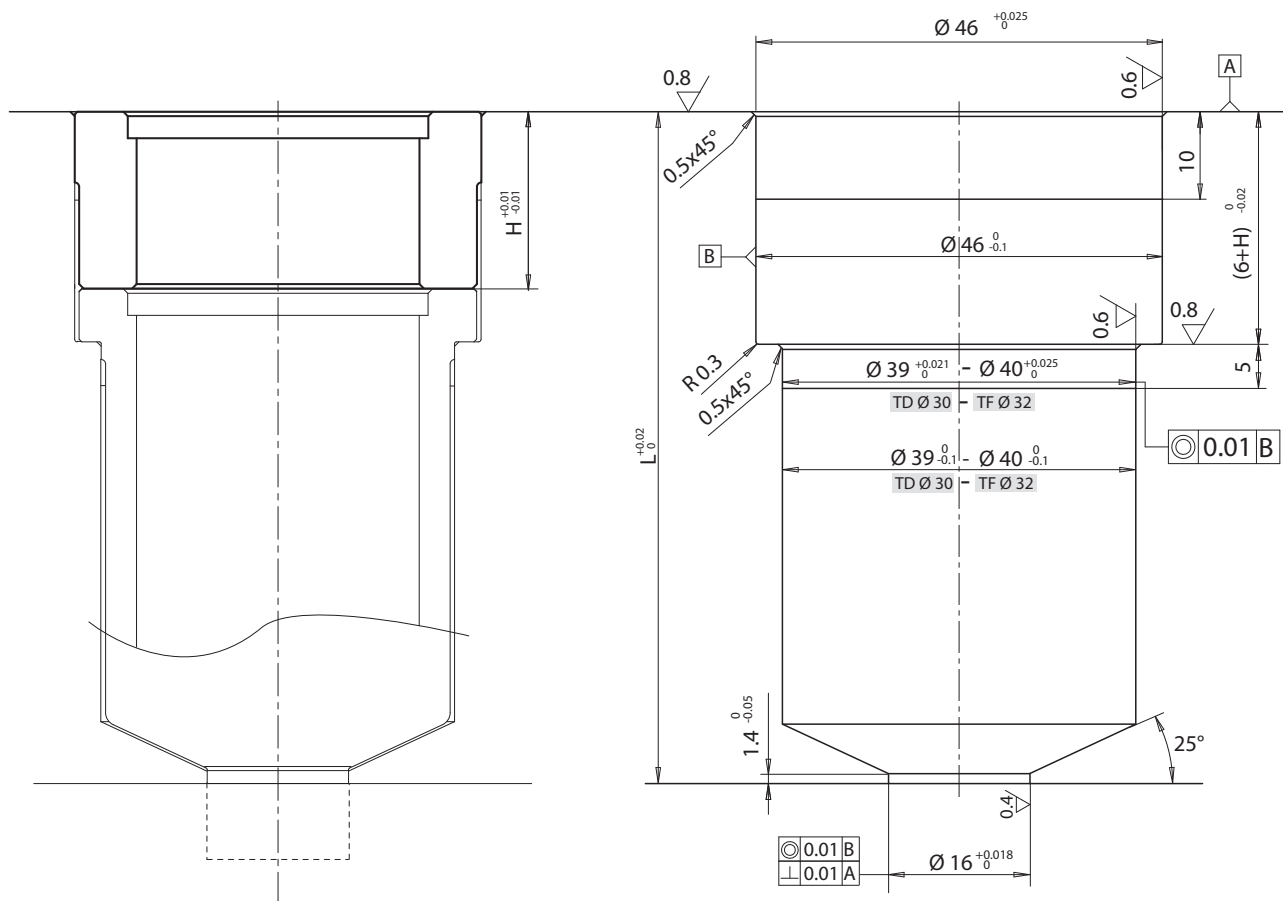
BUSHING CUTOUT / SEDE BOCCOLA





SPACER / DISTANZIALE

SPACER CUTOUT / SEDE DISTANZIALE



TF Ø 32

TF Ø 32 sliding nozzles ugelli a rasamento	E15019	E15020	E15021	E15022	E15023	E15024	E15025	E15026	E15027	E15028	E15029	E15030	E15031	E15032	E15033	E15034	E15035	E15036	E15037	E15038
H	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
TF6 Ø 32 single nozzles monougelli	E15019	E15020	E15021	E15022	E15023	E15024	E15025	E15026	E15027	E15028	E15029	E15030	E15031	E15032	E15033	E15034	E15035	E15036	E15037	E15038

TD Ø 30

TD Ø 30 sliding nozzles ugelli a rasamento	E06819	E06820	E17736	E06821	E17737	E17738	E06822	E17739	E17740
H	20	30	40	50	60	70	80	90	100
TD6 Ø 30 single nozzles monougelli	E06819	E06820	E17736	E06821	E17737	E17738	E06822	E17739	E17740