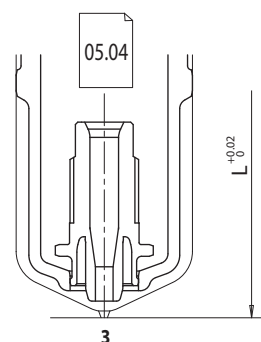
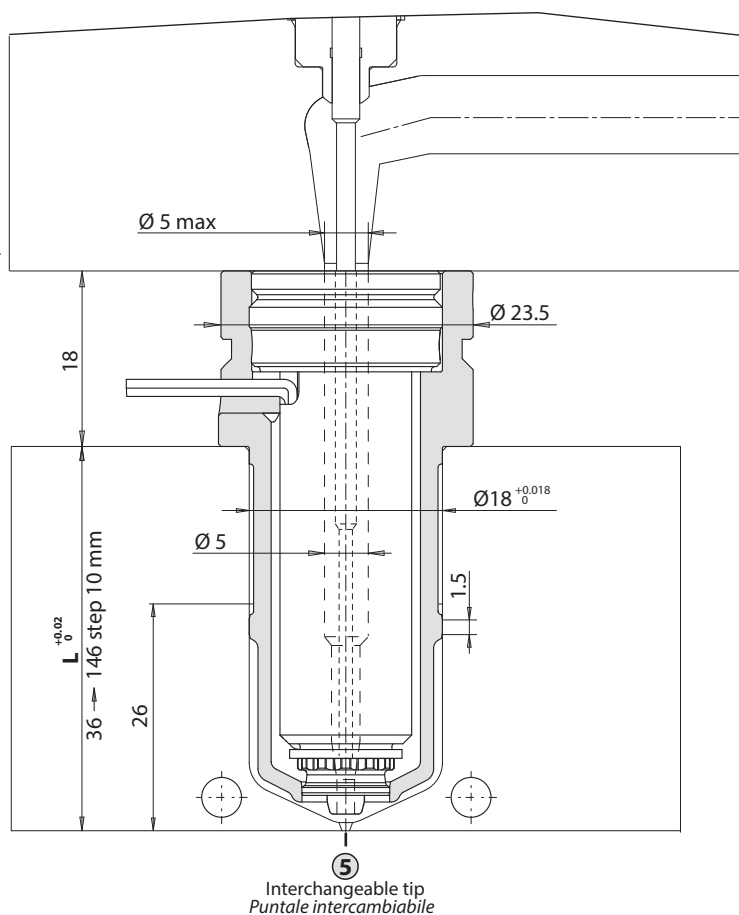




The range of available shut off valves is described at chapter 06

Scelta dei gruppi otturazione nel capitolo 06

MANIFOLD
PIASTRA DI DISTRIBUZIONE



NOZZLE TD / UGELLO TD

Ordering code example / Esempio d'ordine ugello:

① ② ③ ④ ⑤
T D 1 8 0 8 6 - 3 - J G

① TD Nozzle type / Tipo ugello (TD)

② 18 Ø nozzle / Diametro ugello (Ø18)

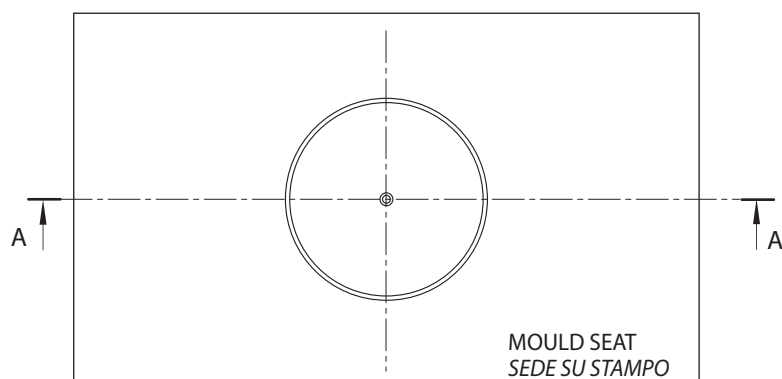
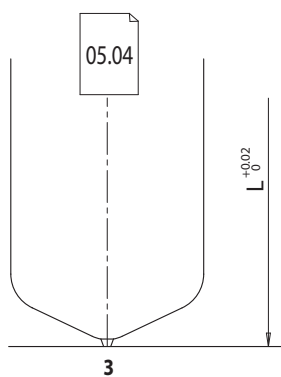
③ 086 Nozzle length / Lunghezza ugello (L=86)

④ 3 Tip type / Tipo puntale (3)

⑤ JG Thermocouple type (grounded)
Tipo termocoppia (a massa)

05.07

Scelta dei gruppi otturazione nel capitolo 06



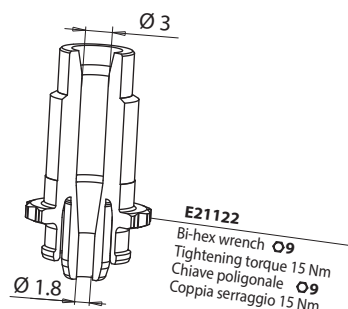


TYPE TD-3: Nozzle for injection with shut off valve suitable where the injection vestige is important. Is also suitable with filled and abrasive materials. If compared with F series nozzles, TD nozzles have the sealing area on the external body rather than the tip and requires less accurate machining of the seat.

TIPO TD-3: L'ugello TD-3 per l'iniezione con gruppo otturazione è idoneo allo stampaggio di particolari dove è richiesto un ottimo aspetto estetico del punto di iniezione. A differenza degli ugelli serie F la tenuta dell'ugello è fatta sul corpo dell'ugello anziché sul puntale. E' idoneo anche allo stampaggio di materiali con cariche abrasive.

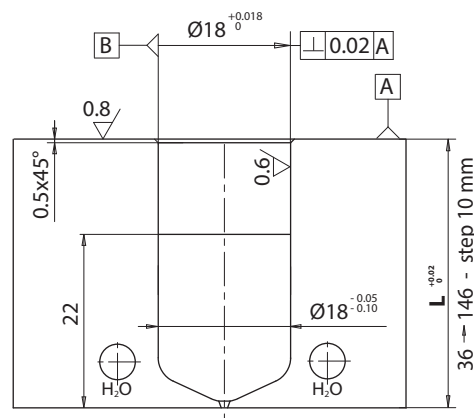
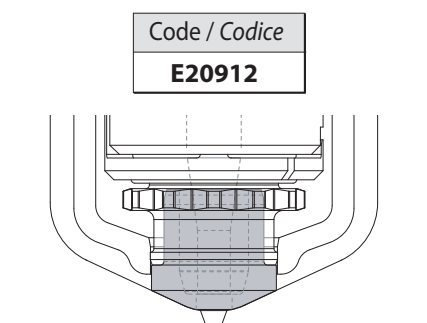
TIP GROUP / GRUPPO PUNTALE

④ Type / Tipo	Code / Codice
3	E20908



COLOUR CHANGE BUSHING / BOCCOLA CAMBIO COLORE

Available upon request / Disponibile su richiesta



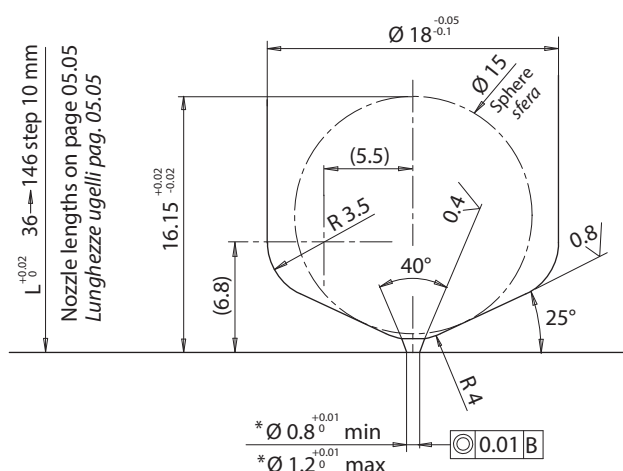
GATE AREA / SEDE UGELLO

CONICAL PIN SHUT OFF CUTOUT

Suitable only for HDPE, LDPE, PP, PS

CHIUSURA SPILLO CONICO

Idoneo solo per HDPE, LDPE, PP, PS



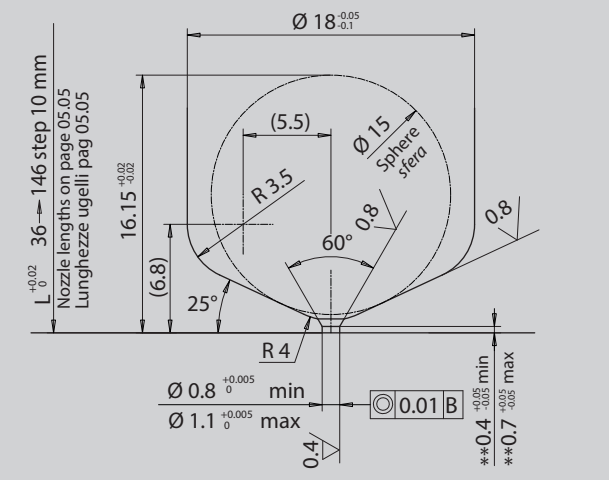
CYLINDRICAL PIN SHUT OFF CUTOUT

Cylindrical closure not advised

Preferred solution: TF3

CHIUSURA SPILLO CILINDRICO

Non consigliata - utilizzare ugello TF3



* Gate diameter must be defined according to injected volume and part wall thickness.

* Il diametro d'iniezione deve essere definito in funzione del volume iniettato, del materiale termoplastico e dello spessore del pezzo stampato.

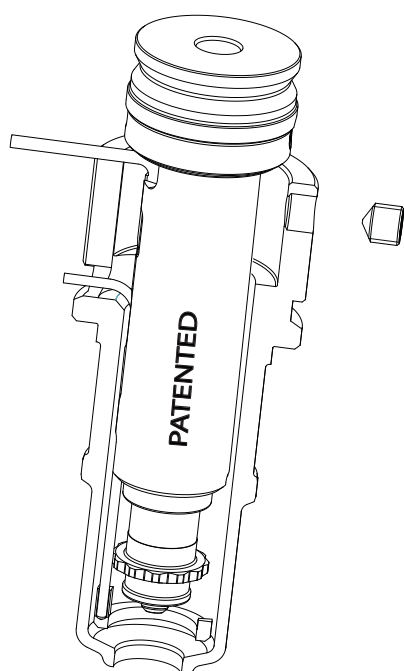
** To be defined according to polymers characteristics, injection cycle and cooling cycles.

** L'altezza ottimale della chiusura è funzione delle caratteristiche del polimero, del tipo di ciclo, del circuito di raffreddamento e dei parametri di stampaggio.



HEATER AND THERMOCOUPLE / RESISTENZA E TERMOCOPPIA

③ L Type 3 Tipo 3	Heater code Codice resistenza	Watt	Thermocouple / Codice termocoppia ugello ⑤	
			grounded - a massa .. - JG	insulated - isolata .. - JU
36	E16853	160	E20952	E20956
46	E16854	180		
56	E16855	180		
66	E16856	180		
76	E16857	200		
86	E16858	200	E20953	E20957
96	E16859	200		
106	E16860	200		
116	E16861	200		
126	E16862	230	E20954	E20958
136	E16863	230		
146	E16864	230		



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-

Ordering code example / Esempio d'ordine ugello:

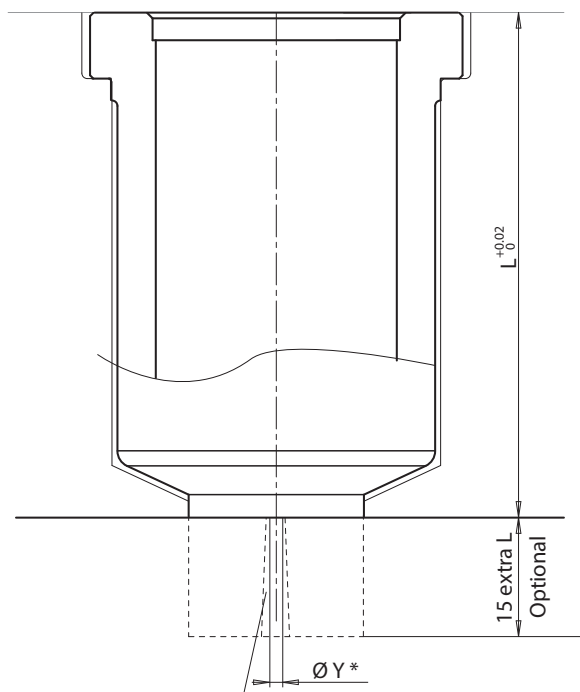


- ① TD nozzle type / Tipo ugello (TD)
 ② 18 Nozzle diameter / Diametro ugello (Ø18)
 ③ 086 Nozzle length / Lunghezza ugello (L=086)
 ④ 3 Tip type / Tipo puntale (3)
 ⑤ JU Thermocouple type / Tipo termocoppia (insulated / isolata)

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

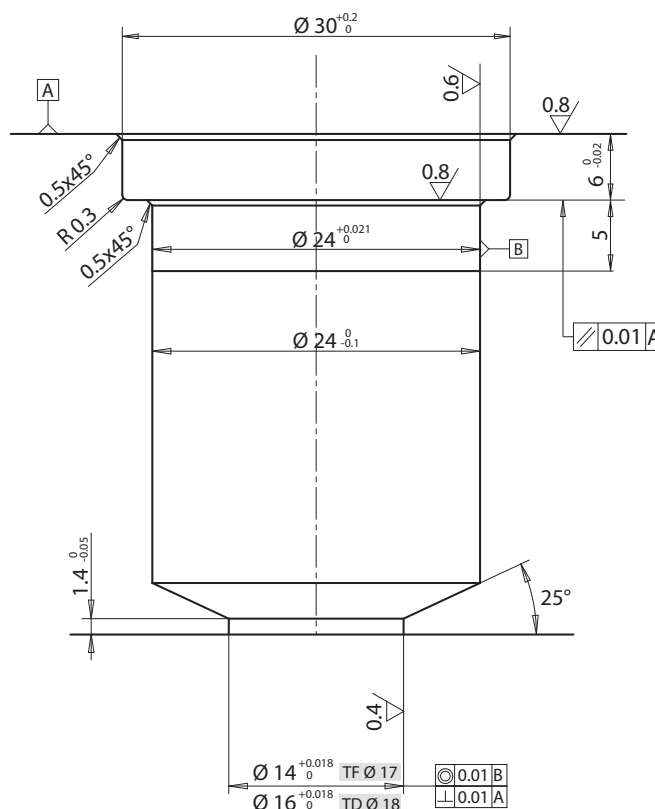


BUSHING / BOCCOLA



Draft angle at customer care
Sformatura a cura cliente

BUSHING CUTOUT / SEDE BOCCOLA



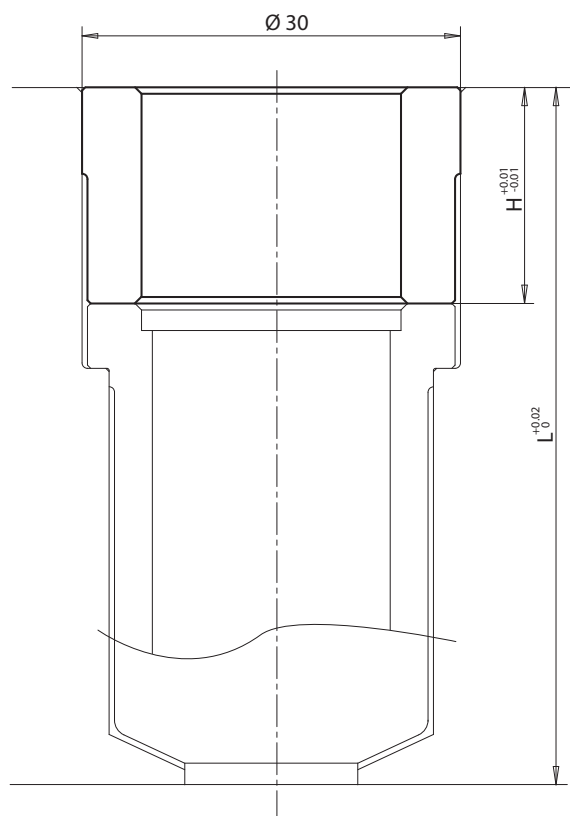
	Nozzle Ø Ø Ugello	TYPE TIPO	Ø Y *	L	TF Ø 17 sliding nozzles/ugelli a rasamento		TF6 Ø 17 single nozzles/monougelli	
					code/codice	code/codice extra L	code/codice	code/codice extra L
TF Ø 17	17	1 - 1GLT	0.6 >> 1.2	36	E09505/ØY	E09507/ØY	E16875/ØY	E16877/ØY
				46	E09506/ØY	E09508/ØY	E16876/ØY	E16878/ØY
		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		

	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
TD Ø 18	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	--	--

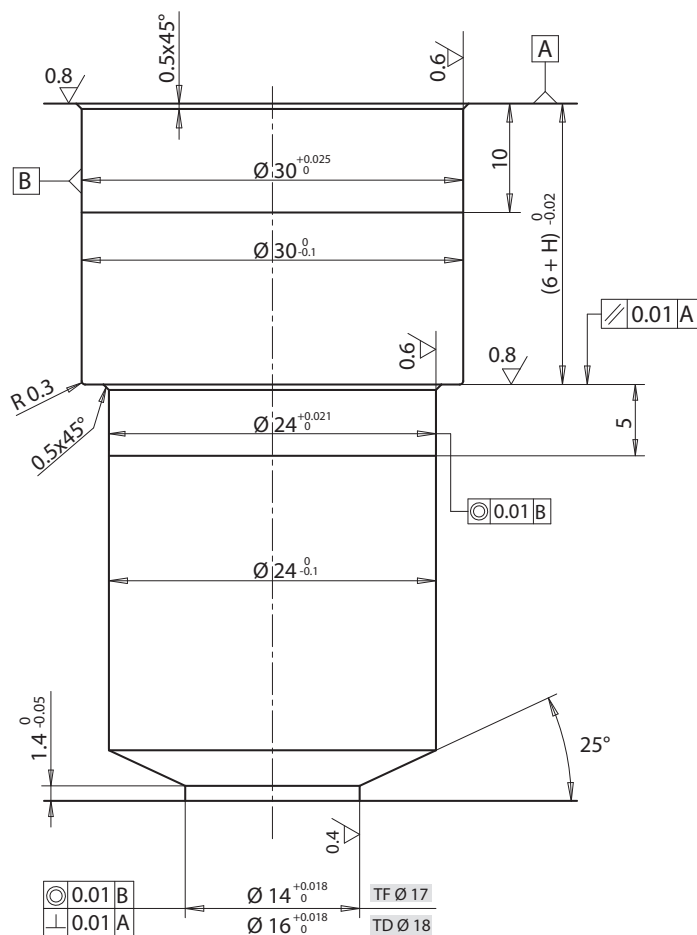
* Thermoplay reserves the right to evaluate the feasibility of the gate diameter with respect to the extra length
Thermoplay si riserva in fase d'ordine di valutare la fattibilità del diametro del foro rispetto all'altezza dell'extralunghezza



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

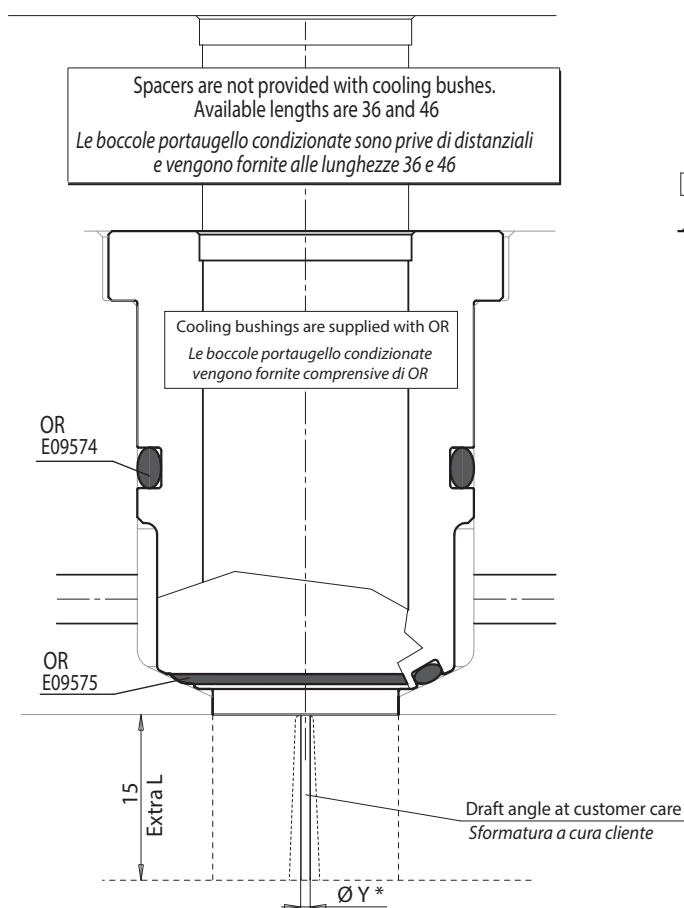
H	10	20	30	40	50	60	70	80	90	100
---	----	----	----	----	----	----	----	----	----	-----

TD6 Ø 18
single
nozzles
monougelli

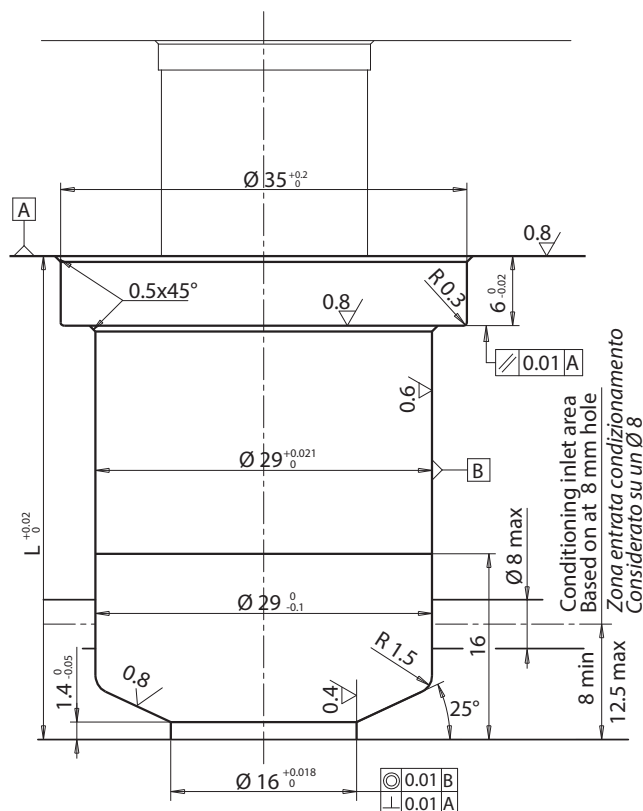
E09518	E09519	E09520	E09521	E09522	E09523	E09524	E09525	E09526	E09527
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------



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	--	--