

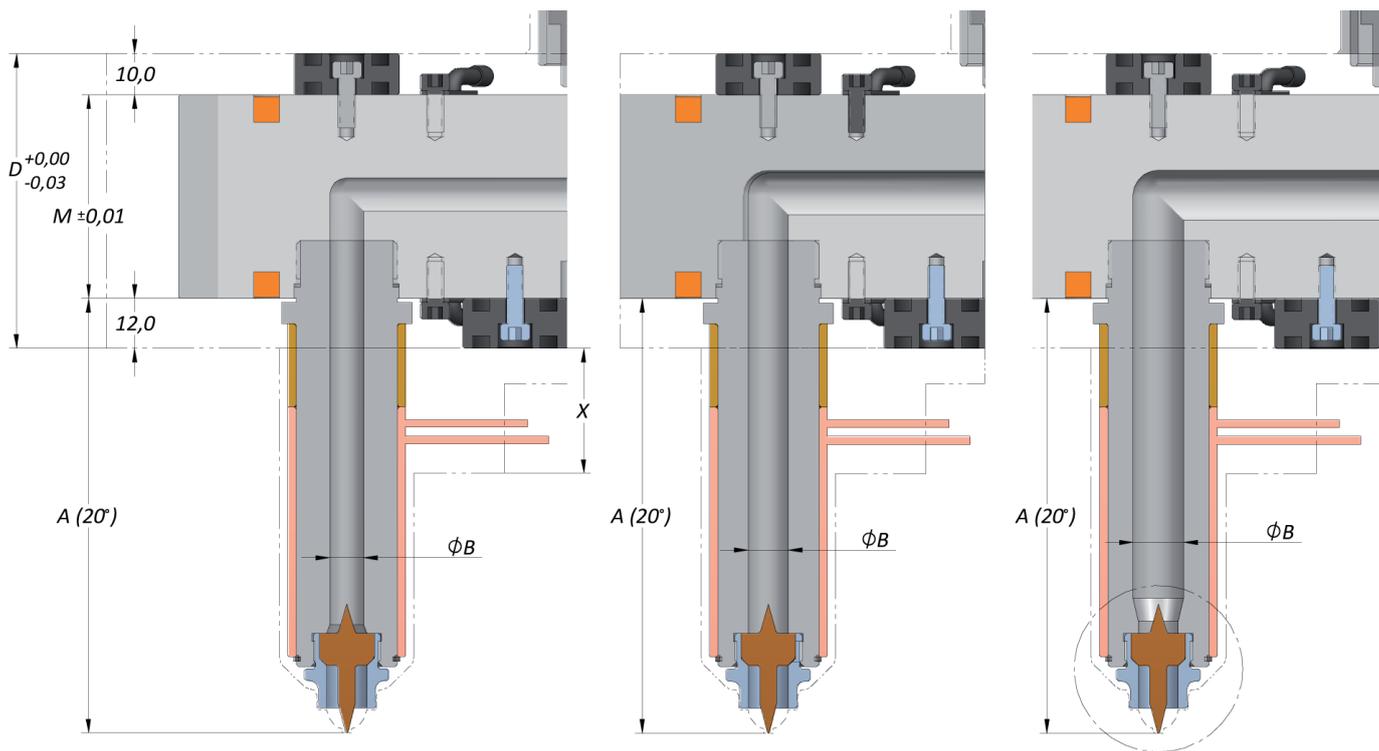
CATALOGO GENERAL / GENERAL CATALOGUE
Sistemas de inyección por canal caliente / Hot Runner System.

4. BOQUILLAS CSI / CSI NOZZLES

Sistemas de inyección por canal caliente / Hot Runner System

4. **B**oquillas CSI / CSI NOZZLES

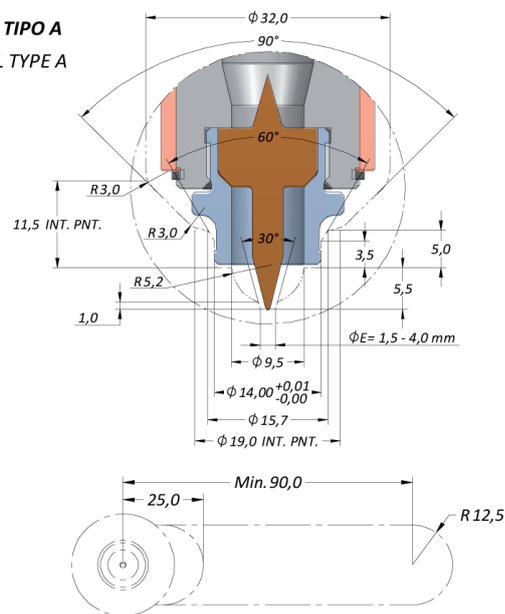
3. BOQUILLAS CSI / CSI NOZZLES 65-68



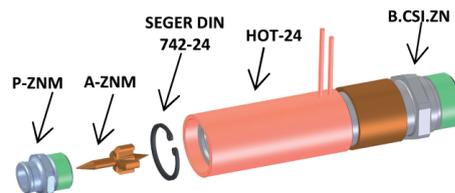
REF.BOQUILLA REF.NOZZLE	ØB	M	D
CSI.ZN08M	8,0	46,0	68,0
CSI.ZN10M	9,5	46,0	68,0
CSI.ZN12M	12,0	49,0	71,0
CSI.ZN14M	14,0	52,0	74,0
CSI.ZN16M	16,0	52,0	74,0

NOZZLE					THERMAL EXPANSION			
SERIE CSI	A (20°)	X	REF.HEATER	W	200°	250°	300°	330°
CSI.ZNM-080	84,45	---	HOT-2460300	300	0,18	0,23	0,28	0,31
CSI.ZNM-090	94,45	20,0	HOT-2460300	300	0,20	0,26	0,32	0,35
CSI.ZNM-100	104,45	30,0	HOT-2460300	300	0,23	0,29	0,35	0,39
CSI.ZNM-120	124,45	50,0	HOT-2460300	300	0,27	0,34	0,42	0,46
CSI.ZNM-140	144,45	40,0	HOT-2490350	350	0,31	0,40	0,49	0,54
CSI.ZNM-160	164,45	60,0	HOT-2490350	350	0,36	0,45	0,55	0,61
CSI.ZNM-180	184,45	110,0	HOT-2460300 + HOT-2460300	300 + 300	0,40	0,51	0,62	0,69
CSI.ZNM-200	204,45	130,0	HOT-2460300 + HOT-2460300	300 + 300	0,44	0,56	0,69	0,76

ALOJAMIENTO TIPO A
BORING DETAIL TYPE A



ALOJAMIENTO BOQUILLA BORING DETAIL NOZZLE



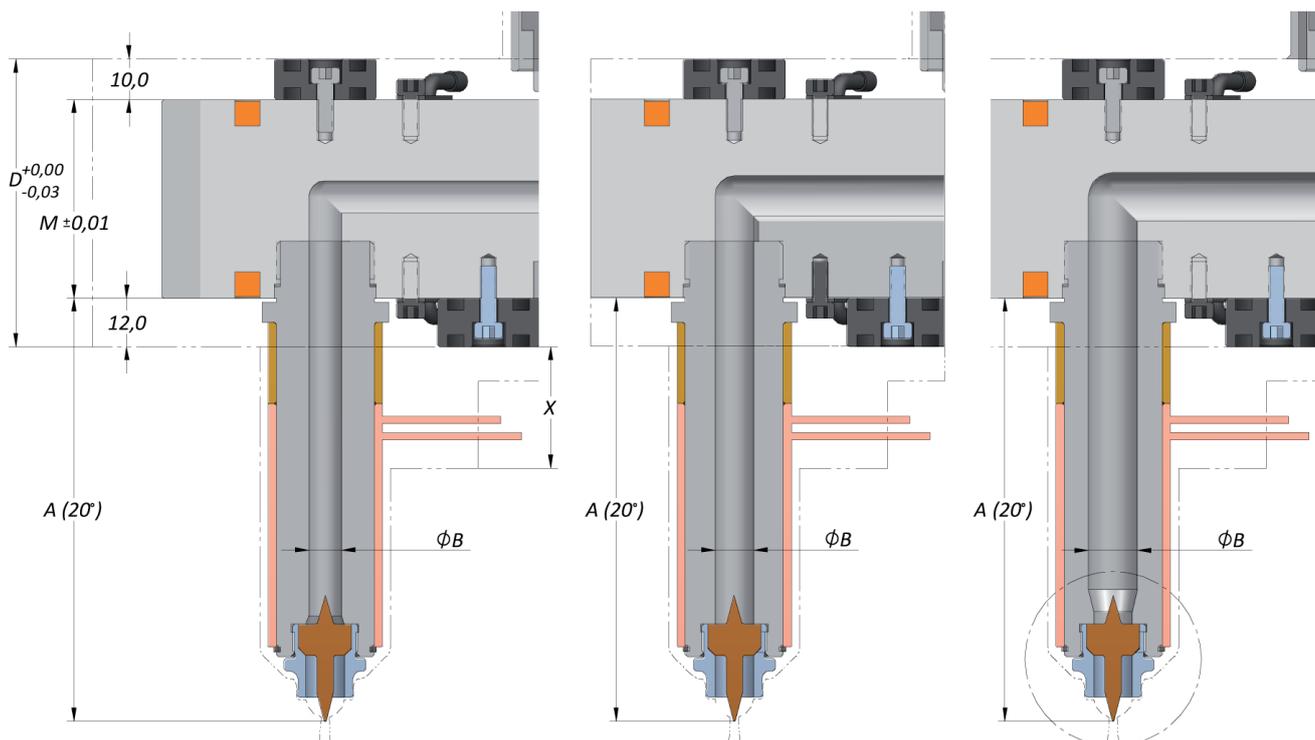
Llave puntera: 18 / Hexagon socket nozzle tip insert: 18

Par de apriete puntera (Nm): 60 / Torque nozzle tip insert (Nm): 60

Para más medidas de bloque consultar pág.69-70 / For more manifold measures see page 69-70

IMPORTANTE / IMPORTANT: Aplicar la dilatación térmica / Apply the thermal expansion

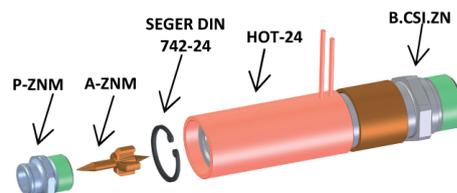
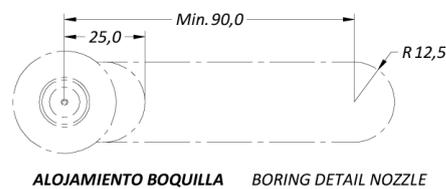
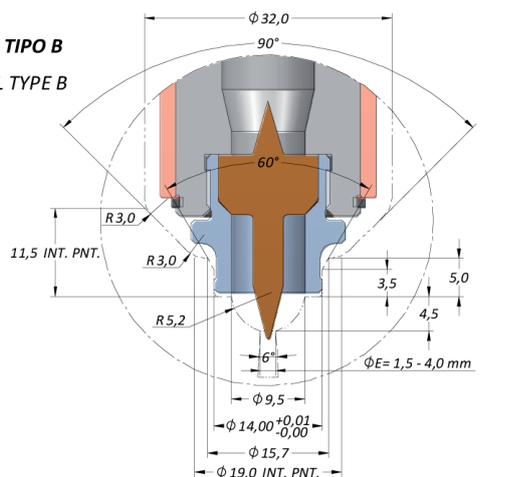
$$TE = L_{\text{nozzle}} \times \frac{(\text{Process temperature} - 20^{\circ}\text{C}) \times 12}{1000000}$$



REF. BOQUILLA REF. NOZZLE	ØB	M	D
CSI.ZN08M	8,0	46,0	68,0
CSI.ZN10M	9,5	46,0	68,0
CSI.ZN12M	12,0	49,0	71,0
CSI.ZN14M	14,0	52,0	74,0
CSI.ZN16M	16,0	52,0	74,0

NOZZLE					THERMAL EXPANSION			
SERIE CSI	A (20°)	X	REF. HEATER	W	200°	250°	300°	330°
CSI.ZNM-080	84,45	---	HOT-2460300	300	0,18	0,23	0,28	0,31
CSI.ZNM-090	94,45	20,0	HOT-2460300	300	0,20	0,26	0,32	0,35
CSI.ZNM-100	104,45	30,0	HOT-2460300	300	0,23	0,29	0,35	0,39
CSI.ZNM-120	124,45	50,0	HOT-2460300	300	0,27	0,34	0,42	0,46
CSI.ZNM-140	144,45	40,0	HOT-2490350	350	0,31	0,40	0,49	0,54
CSI.ZNM-160	164,45	60,0	HOT-2490350	350	0,36	0,45	0,55	0,61
CSI.ZNM-180	184,45	110,0	HOT-2460300 + HOT-2460300	300 + 300	0,40	0,51	0,62	0,69
CSI.ZNM-200	204,45	130,0	HOT-2460300 + HOT-2460300	300 + 300	0,44	0,56	0,69	0,76

ALOJAMIENTO TIPO B
BORING DETAIL TYPE B



Llave puntera: 18 / Hexagon socket nozzle tip insert: 18

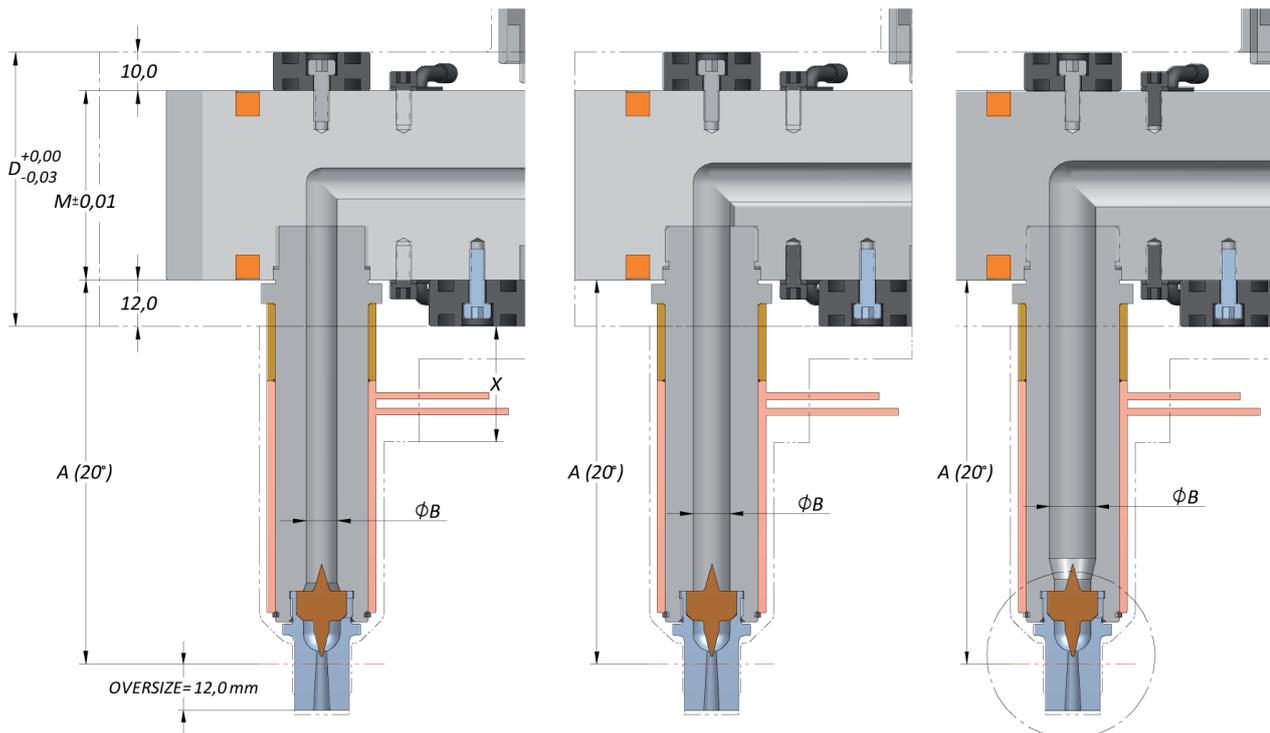
Par de apriete puntera (Nm): 60 / Torque nozzle tip insert (Nm): 60

Para más medidas de bloque consultar pág.69-70 / For more manifold measures see page 69-70

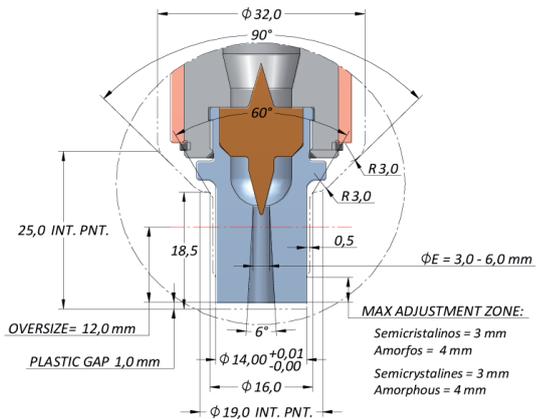
IMPORTANTE / IMPORTANT: Aplicar la dilatación térmica / Apply the thermal expansion

$$TE = L \text{ nozzle} \times \frac{(\text{Process temperature} - 20^{\circ}\text{C}) \times 12}{1000000}$$

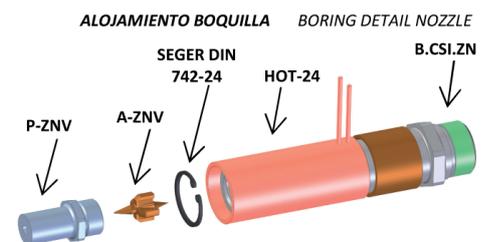
Sistemas de inyección por canal caliente / Hot Runner System



REF. BOQUILLA REF. NOZZLE	ØB	M	D
CSI.ZN08V	8,0	46,0	68,0
CSI.ZN10V	9,5	46,0	68,0
CSI.ZN12V	12,0	49,0	71,0
CSI.ZN14V	14,0	52,0	74,0
CSI.ZN16V	16,0	52,0	74,0



SERIE CSI	NOZZLE				THERMAL EXPANSION			
	A (20°)	X	REF. HEATER	W	200°	250°	300°	330°
CSI.ZNV-080	79,45	---	HOT-2460300	300	0,17	0,22	0,27	0,30
CSI.ZNV-090	89,45	20,0	HOT-2460300	300	0,19	0,25	0,30	0,33
CSI.ZNV-100	99,45	30,0	HOT-2460300	300	0,21	0,27	0,33	0,37
CSI.ZNV-120	119,45	50,0	HOT-2460300	300	0,26	0,33	0,40	0,44
CSI.ZNV-140	139,45	40,0	HOT-2490350	350	0,30	0,38	0,47	0,52
CSI.ZNV-160	159,45	60,0	HOT-2490350	350	0,34	0,44	0,54	0,59
CSI.ZNV-180	179,45	110,0	HOT-2460300 + HOT-2460300	300 + 300	0,39	0,50	0,60	0,67
CSI.ZNV-200	199,45	130,0	HOT-2460300 + HOT-2460300	300 + 300	0,43	0,55	0,67	0,74



Llave puntera: 18 / Hexagon socket nozzle tip insert: 18

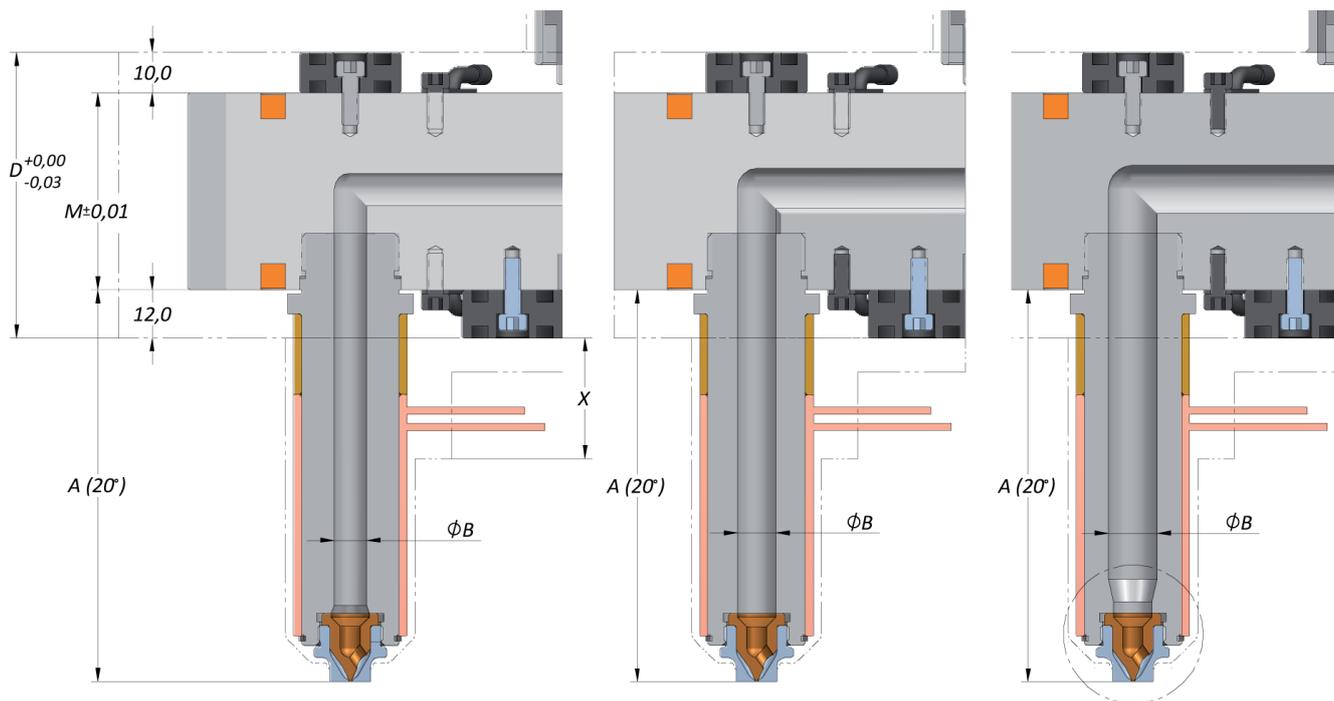
Par de apriete puntera (Nm): 60 / Torque nozzle tip insert (Nm): 60

Para más medidas de bloque consultar pág.69-70 / For more manifold measures see page 69-70

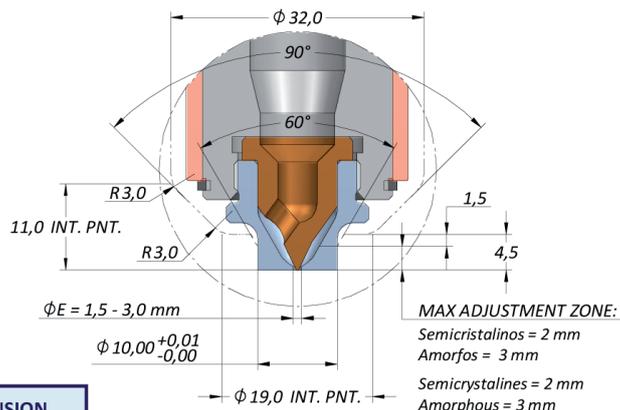
IMPORTANTE / IMPORTANT: Aplicar la dilatación térmica / Apply the thermal expansion

$$TE = L_{\text{nozzle}} \times \frac{(\text{Process temperature} - 20^{\circ}\text{C}) \times 12}{1000000}$$

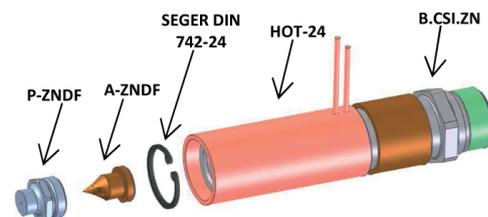
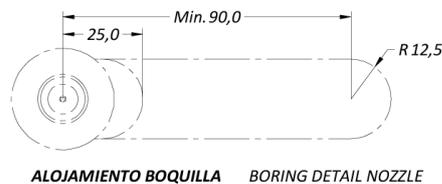
Sistemas de inyección por canal caliente / Hot Runner System



REF. BOQUILLA REF. NOZZLE	ØB	M	D
CSI.ZN08DF	8,0	46,0	68,0
CSI.ZN10DF	9,5	46,0	68,0
CSI.ZN12DF	12,0	49,0	71,0
CSI.ZN14DF	14,0	52,0	74,0
CSI.ZN16DF	16,0	52,0	74,0



SERIE CSI	NOZZLE			W	THERMAL EXPANSION			
	A (20°)	X	REF. HEATER		200°	250°	300°	330°
CSI.ZNDF-080	77,45	---	HOT-2460300	300	0,17	0,21	0,26	0,29
CSI.ZNDF-090	87,45	20,0	HOT-2460300	300	0,19	0,24	0,29	0,33
CSI.ZNDF-100	97,45	30,0	HOT-2460300	300	0,21	0,27	0,33	0,36
CSI.ZNDF-120	117,45	50,0	HOT-2460300	300	0,25	0,32	0,39	0,44
CSI.ZNDF-140	137,45	40,0	HOT-2490350	350	0,30	0,38	0,46	0,51
CSI.ZNDF-160	157,45	60,0	HOT-2490350	350	0,34	0,43	0,53	0,59
CSI.ZNDF-180	177,45	110,0	HOT-2460300 + HOT-2460300	300 + 300	0,38	0,49	0,60	0,66
CSI.ZNDF-200	197,45	130,0	HOT-2460300 + HOT-2460300	300 + 300	0,43	0,54	0,66	0,73



Llave puntera: 16 / Hexagon socket nozzle tip insert: 16

Par de apriete puntera (Nm): 60 / Torque nozzle tip insert (Nm): 60

Para más medidas de bloque consultar pág.69-70 / For more manifold measures see page 69-70

IMPORTANTE / IMPORTANT: Aplicar la dilatación térmica / Apply the thermal expansion

$$TE = L_{\text{nozzle}} \times \frac{(\text{Process temperature} - 20^{\circ}\text{C}) \times 12}{1000000}$$

Sistemas de inyección por canal caliente / Hot Runner System

SOPORTE 24/7 / SUPPORT 24/ 7



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Sistemas de inyección por canal caliente / Hot Runner System