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Integrated Engineering Solution

TINA EP Technical Date

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TINA EP
Engineering Plastic

TINA-EP系统加热器、感温线与热咀本体置于一体，使热咀整体温度处于平衡状态，可达±1%

热传递快，温度精准，适用于多种包括工程塑胶在内的塑胶成型

热咀材质硬化处理，具备耐磨损、抗腐蚀，可以用于50%GF及其他添加剂的注塑

TINA EP series offer superb thermal profile from nozzle to gate

All in one type nozzle heater will deliver fast heat transfer rate

Precise thermal control and anti-corrosive features are suitable for engineering plastics

加热器、感温线与热咀本体设计于一体

热咀部件耐磨损，抗腐蚀性强

开放式、针阀式多种规格、型号

All in one type nozzle heater

Anti-wear & anti-corrosive quality

Open & valve, various spec

柳道万和（苏州）热流道系统有限公司
YUDO(SUZHOU) HOT RUNNER SYSTEMS CO.,LTD.
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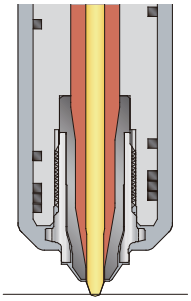
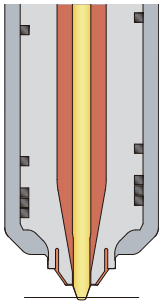
Parameter



EP VV



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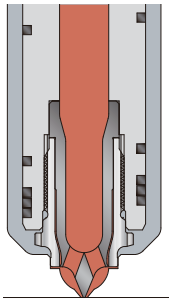
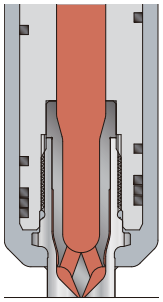
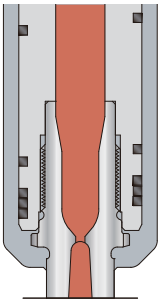


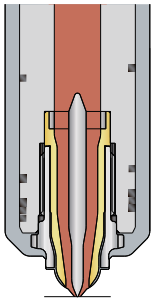
EP CC



EP TAC



EP TOE



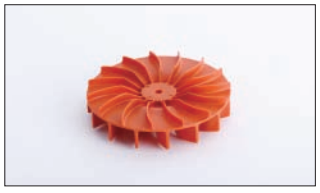
EP CT

Unit:mm

System Size		Runner	Valve pin	Length	Injectiom Volume
TINA EP 05	Open	05	--	65-155	10g
	Valve	05	3	65-155	
TINA EP 06	Open	06	--	75-185	30g
	Valve	06	3	75-185	
TINA EP 08	Open	08	--	85-205	50g
	Valve	08	4	85-205	
TINA EP 10	Open	10	--	85-225	150g
	Valve	10	4	85-225	

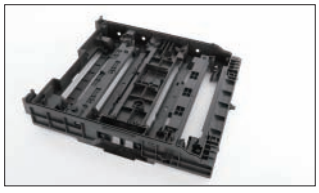
Applications

Knob



Fan

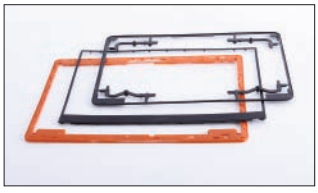
Engineering Parts



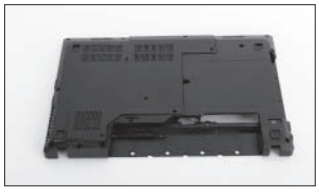
Printer parts

Notebook front cover

Notebook cover



Notebook frame



Notebook back cover

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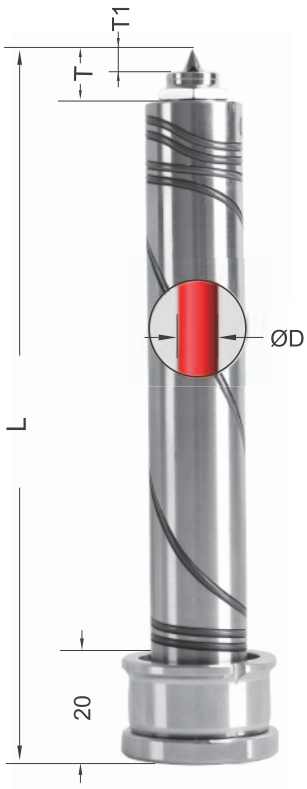
TINA EP



	TINA 05	TINA 06	TINA 08	TINA 10
T	8.5	9	11	14
T1	3.5	4	5	7

- "L' is standard length which cannot be changed at will.
- "L"为标准长度不可以随意调整。

Actual Length of Nozzle (BL) = L - T - ΔL
ΔL=(L - T - 20)×1.2×e-5
×(Injection Temp. - Mold Temp.)

ex) TINA10 -CC - 185
InjectionTemp.= 250℃, Mold Temp. = 50℃
ΔL=(185 - 20 - 14)×1.2×e-5×(250-50)=0.28
Actual Length of Nozzle (BL)
=185 - 22.9 - 0.28 = 156.82

Unit:mm

TYPE	ØD	L	Heater	T/C
TIM EP 05 CC-75	05	75	HTLH18200CN1	NZTPIC101250
TIM EP 05 CC-85		85	HTLH18200CN1	NZTPIC101350
TIM EP 05 CC-95		95	HTLH18200CN1	NZTPIC101450
TIM EP 05 CC-105		105	HTLH18250CN1	NZTPIC101550
TIM EP 05 CC-115		115	HTLH18250CN1	NZTPIC101650
TIM EP 05 CC-125		125	HTLH18250CN1	NZTPIC101750
TIM EP 05 CC-135		135	HTLH18300CN1	NZTPIC101850
TIM EP 05 CC-145		145	HTLH18300CN1	NZTPIC101950
TIM EP 05 CC-155		155	HTLH18300CN1	NZTPIC102050
TIM EP 05 CC-165		165	HTLH18300CN1	NZTPIC102150
TIM EP 05 CC-175		175	HTLH18350CN1	NZTPIC102250
TIM EP 05 CC-185		185	HTLH18350CN1	NZTPIC102350
TIM EP 05 CC-195		195	HTLH18350CN1	NZTPIC102550
TIM EP 05 CC-205		205	HTLH18400CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 06 CC-65	06	65	HTLH18200CN1	NZTPIC101150
TIM EP 06 CC-75		75	HTLH18250CN1	NZTPIC101250
TIM EP 06 CC-85		85	HTLH18250CN1	NZTPIC101350
TIM EP 06 CC-95		95	HTLH18250CN1	NZTPIC101450
TIM EP 06 CC-105		105	HTLH18300CN1	NZTPIC101550
TIM EP 06 CC-115		115	HTLH18300CN1	NZTPIC101650
TIM EP 06 CC-125		125	HTLH18300CN1	NZTPIC101750
TIM EP 06 CC-135		135	HTLH18350CN1	NZTPIC101850
TIM EP 06 CC-145		145	HTLH18350CN1	NZTPIC101950
TIM EP 06 CC-155		155	HTLH18350CN1	NZTPIC102050
TIM EP 06 CC-165		165	HTLH18350CN1	NZTPIC102150
TIM EP 06 CC-175		175	HTLH18400CN1	NZTPIC102250
TIM EP 06 CC-185		185	HTLH18400CN1	NZTPIC102350
TIM EP 06 CC-195		195	HTLH18450CN1	NZTPIC102550
TIM EP 06 CC-205		205	HTLH18450CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 08 CC-105	08	105	HTLH18060CN0	NZTPIC101550
TIM EP 08 CC-115		115	HTLH18060CN0	NZTPIC101650
TIM EP 08 CC-125		125	HTLH18070CN0	NZTPIC101750
TIM EP 08 CC-135		135	HTLH18070CN0	NZTPIC101850
TIM EP 08 CC-145		145	HTLH18070CN0	NZTPIC101950
TIM EP 08 CC-155		155	HTLH18080CN0	NZTPIC102050
TIM EP 08 CC-165		165	HTLH18080CN0	NZTPIC102150
TIM EP 08 CC-175		175	HTLH18080CN0	NZTPIC102250
TIM EP 08 CC-185		185	HTLH18090CN0	NZTPIC102350
TIM EP 08 CC-195		195	HTLH18090CN0	NZTPIC102350
TIM EP 08 CC-205		205	HTLH18090CN0	NZTPIC102550
TIM EP 08 CC-215		215	HTLH18090CN0	NZTPIC102550
TIM EP 08 CC-225		225	HTLH18100CN0	NZTPIC102550
TIM EP 08 CC-235		235	HTLH18100CN0	NZTPIC102850
TIM EP 08 CC-245		245	HTLH18100CN0	NZTPIC102850
TIM EP 08 CC-255		255	HTLH18100CN0	NZTPIC102850

TYPE	ØD	L	Heater	T/C
TIM EP 10 CC-105	10	105	HTLH18080CN0	NZTPIC101550
TIM EP 10 CC-115		115	HTLH18080CN0	NZTPIC101650
TIM EP 10 CC-125		125	HTLH18080CN0	NZTPIC101750
TIM EP 10 CC-135		135	HTLH18090CN0	NZTPIC101850
TIM EP 10 CC-145		145	HTLH18090CN0	NZTPIC101950
TIM EP 10 CC-155		155	HTLH18090CN0	NZTPIC102050
TIM EP 10 CC-165		165	HTLH18100CN0	NZTPIC102150
TIM EP 10 CC-175		175	HTLH18100CN0	NZTPIC102250
TIM EP 10 CC-185		185	HTLH18100CN0	NZTPIC102350
TIM EP 10 CC-195		195	HTLH18100CN0	NZTPIC102350
TIM EP 10 CC-205		205	HTLH18100CN0	NZTPIC102550
TIM EP 10 CC-215		215	HTLH18100CN0	NZTPIC102550
TIM EP 10 CC-225		225	HTLH18100CN0	NZTPIC102550
TIM EP 10 CC-235		235	HTLH18110CN0	NZTPIC102850
TIM EP 10 CC-245		245	HTLH18110CN0	NZTPIC102850
TIM EP 10 CC-255		255	HTLH18110CN0	NZTPIC102850

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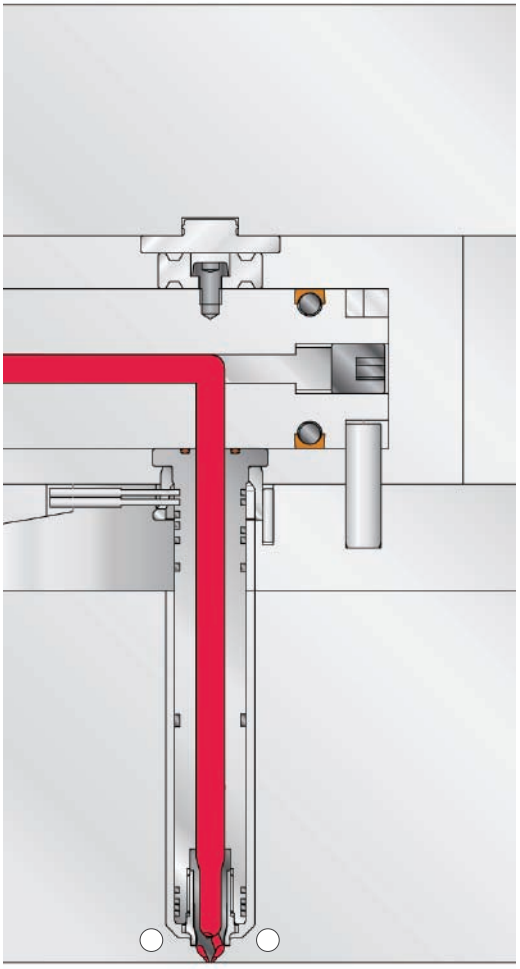
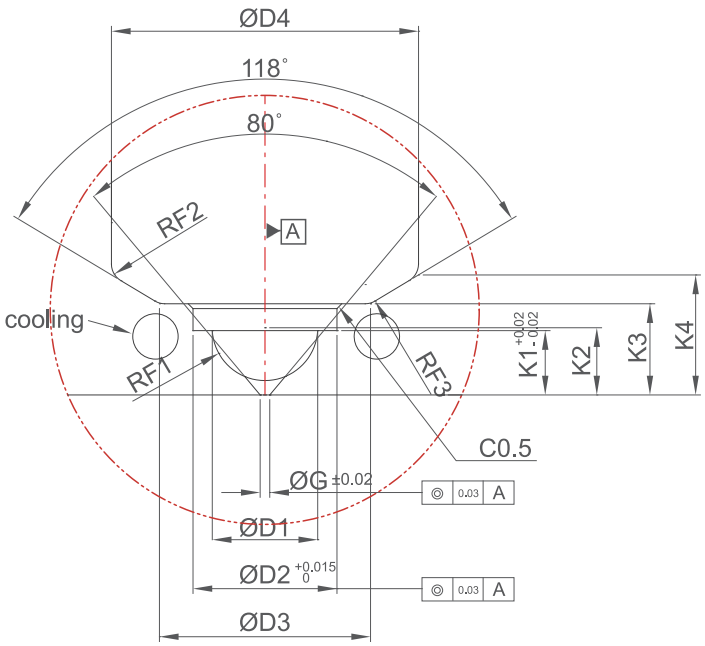
TINA EP

TINA EP CC



Gate Area Machining



- Tina EP CC 喷咀型号是根据流道内径来定。
- 模具加工带公差部分必须保证。
- 浇口周围冷却水路必须添加。

- Nozzle of TINA EP and CC type is determined by inner diameter of hot runner.
- Tolerance of mold process must be guaranteed.
- Cooling Hole must be remained on gate area.

TINA-EP CC TYPE SYSTEM

Unit:mm

NOZZLE TYPE	ØG	ØD1	ØD2	ØD3	ØD4	K1	K2	K3	K4	RF1	RF2	RF3
05	0.8/1.0/1.2	5.5	7.5	13	20	3.2	2.9	5.5	9.0	2	2	1
06	1.0/1.2/1.5	6.5	8.5	16	23	3.7	3.7	6.0	9.5	3	2	2
08	0.8/1.0/1.5	7.98	11	18	25	4.7	5	7.0	10.5	4	2	2
10	1.0/1.5/2.0	10.98	15	22	32	6.7	7	9.5	12.5	5.5	2	2

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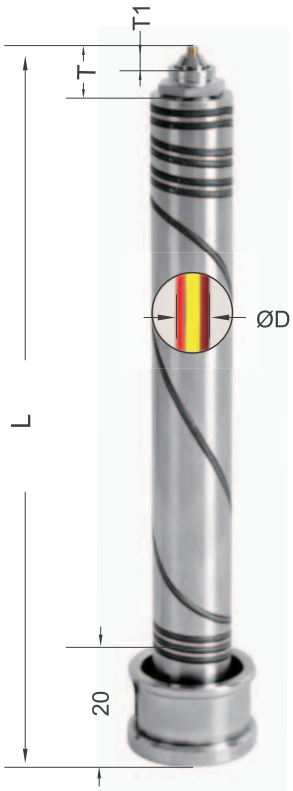
TINA EP



	TINA 05	TINA 06	TINA 08	TINA 10
T	8.8	9	11	14
T1	1.8	2.3	2.7	4

- "L' is standard length which cannot be changed at will.
- "L"为标准长度不可以随意调整。

Actual Length of Nozzle (BL) = L - T - ΔL
ΔL=(L - T - 20)×1.2×e-5
×(Injection Temp. - Mold Temp.)

ex) TINA10 - VV - 185
InjectionTemp.= 250℃, Mold Temp. = 50℃
ΔL=(185 - 20 - 14)×1.2×e-5×(250-50)=0.28
Actual Length of Nozzle (BL)
=185 - 22.9 - 0.28 = 156.82

Unit:mm

TYPE	ØD	L	Heater	T/C
TIM EP 05 VV-75	05	75	HTLH18200CN1	NZTPIC101250
TIM EP 05 VV-85		85	HTLH18200CN1	NZTPIC101350
TIM EP 05 VV-95		95	HTLH18200CN1	NZTPIC101450
TIM EP 05 VV-105		105	HTLH18250CN1	NZTPIC101550
TIM EP 05 VV-115		115	HTLH18250CN1	NZTPIC101650
TIM EP 05 VV-125		125	HTLH18250CN1	NZTPIC101750
TIM EP 05 VV-135		135	HTLH18300CN1	NZTPIC101850
TIM EP 05 VV-145		145	HTLH18300CN1	NZTPIC101950
TIM EP 05 VV-155		155	HTLH18300CN1	NZTPIC102050
TIM EP 05 VV-165		165	HTLH18300CN1	NZTPIC102150
TIM EP 05 VV-175		175	HTLH18350CN1	NZTPIC102250
TIM EP 05 VV-185		185	HTLH18350CN1	NZTPIC102350
TIM EP 05 VV-195		195	HTLH18350CN1	NZTPIC102550
TIM EP 05 VV-205		205	HTLH18400CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 06 VV-65	06	65	HTLH18200CN1	NZTPIC101150
TIM EP 06 VV-75		75	HTLH18250CN1	NZTPIC101250
TIM EP 06 VV-85		85	HTLH18250CN1	NZTPIC101350
TIM EP 06 VV-95		95	HTLH18250CN1	NZTPIC101450
TIM EP 06 VV-105		105	HTLH18300CN1	NZTPIC101550
TIM EP 06 VV-115		115	HTLH18300CN1	NZTPIC101650
TIM EP 06 VV-125		125	HTLH18300CN1	NZTPIC101750
TIM EP 06 VV-135		135	HTLH18350CN1	NZTPIC101850
TIM EP 06 VV-145		145	HTLH18350CN1	NZTPIC101950
TIM EP 06 VV-155		155	HTLH18350CN1	NZTPIC102050
TIM EP 06 VV-165		165	HTLH18350CN1	NZTPIC102150
TIM EP 06 VV-175		175	HTLH18400CN1	NZTPIC102250
TIM EP 06 VV-185		185	HTLH18400CN1	NZTPIC102350
TIM EP 06 VV-195		195	HTLH18450CN1	NZTPIC102550
TIM EP 06 VV-205		205	HTLH18450CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 08 VV-105	08	105	HTLH18300CN1	NZTPIC101550
TIM EP 08 VV-115		115	HTLH18300CN1	NZTPIC101650
TIM EP 08 VV-125		125	HTLH18350CN1	NZTPIC101750
TIM EP 08 VV-135		135	HTLH18350CN1	NZTPIC101850
TIM EP 08 VV-145		145	HTLH18350CN1	NZTPIC101950
TIM EP 08 VV-155		155	HTLH18400CN1	NZTPIC102050
TIM EP 08 VV-165		165	HTLH18400CN1	NZTPIC102150
TIM EP 08 VV-175		175	HTLH18400CN1	NZTPIC102250
TIM EP 08 VV-185		185	HTLH18450CN1	NZTPIC102350
TIM EP 08 VV-195		195	HTLH18450CN1	NZTPIC102350
TIM EP 08 VV-205		205	HTLH18450CN1	NZTPIC102550
TIM EP 08 VV-215		215	HTLH18500CN1	NZTPIC102550
TIM EP 08 VV-225		225	HTLH18500CN0	NZTPIC102550
TIM EP 08 VV-235		235	HTLH18500CN0	NZTPIC102850
TIM EP 08 VV-245		245	HTLH18550CN1	NZTPIC102850
TIM EP 08 VV-255		255	HTLH18550CN1	NZTPIC102850

TYPE	ØD	L	Heater	T/C
TIM EP 10 VV-105	10	105	HTLH18350CN1	NZTPIC101550
TIM EP 10 VV-115		115	HTLH18400CN1	NZTPIC101650
TIM EP 10 VV-125		125	HTLH18400CN1	NZTPIC101750
TIM EP 10 VV-135		135	HTLH18450CN1	NZTPIC101850
TIM EP 10 VV-145		145	HTLH18450CN1	NZTPIC101950
TIM EP 10 VV-155		155	HTLH18500CN1	NZTPIC102050
TIM EP 10 VV-165		165	HTLH18500CN1	NZTPIC102150
TIM EP 10 VV-175		175	HTLH18500CN1	NZTPIC102250
TIM EP 10 VV-185		185	HTLH18500CN1	NZTPIC102350
TIM EP 10 VV-195		195	HTLH18550CN1	NZTPIC102350
TIM EP 10 VV-205		205	HTLH18550CN1	NZTPIC102550
TIM EP 10 VV-215		215	HTLH18550CN1	NZTPIC102550
TIM EP 10 VV-225		225	HTLH18550CN1	NZTPIC102550
TIM EP 10 VV-235		235	HTLH18600CN1	NZTPIC102850
TIM EP 10 VV-245		245	HTLH18600CN1	NZTPIC102850
TIM EP 10 VV-255		255	HTLH18600CN1	NZTPIC102850

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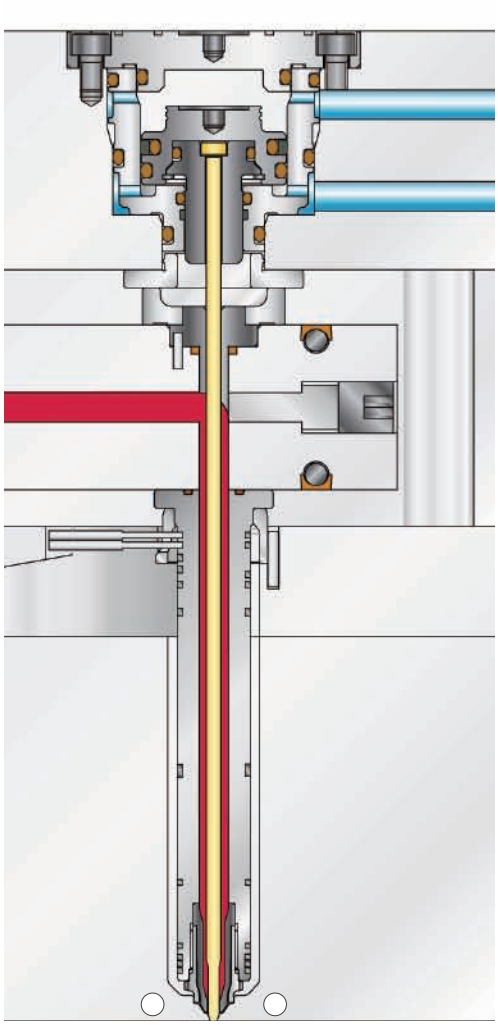
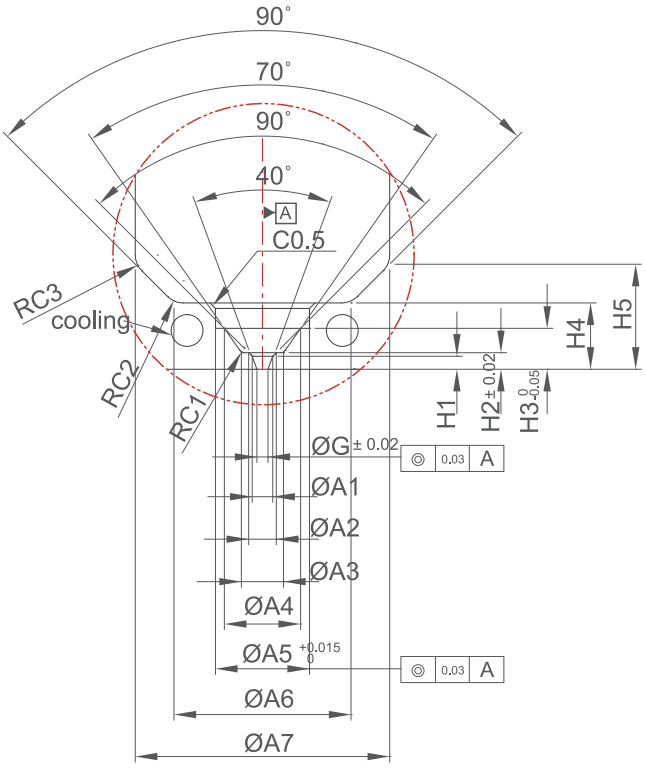
TINA EP

TINA EP VV



Gate Area Machining



- Tina EP VV 喷咀型号是根据流道内径来定。
- 模具加工带公差部分必须保证。
- 浇口周围冷却水路必须添加。

- Nozzle of TINA EP and VV type is determined by inner diameter of hot runner.
- Tolerance of mold process must be guaranteed.
- Cooling Hole must be remained on gate area.

TINA-EP VV TYPE SYSTEM

Unit:mm

NOZZLE TYPE	ØG	ØA1	ØA2	ØA3	ØA4	ØA5	ØA6	ØA7	H1	H2	H3	H4	H5	RC1	RC2	RC3
05	1.0/1.2	1.92/2.23	2.4	3.2	5.58	7.5	12.99	20	1.26/1.42	1.5	3.2	5.5	9	0.5	1	2
06	1.0/1.2/1.5	1.86/2.17/2.59	2.5	3.81	6.89	8.5	16	23	1.18/1.34/1.5	1.5	3.7	6	9.5	10.5	2	2
08	1.2/1.5/2.0	2.23/2.7/3.4	3.4	4.8	8.58	11	18	25	1.42/1.65/2.0	1.5	4.7	7	10.5	1	2	2
10	1.5/2.0/2.5	2.7/3.49/4.27	4.4	4.7	12.88	15	22	32	1.65/2.04/2.44	1.5	6.7	9.5	12.5	1	2	2

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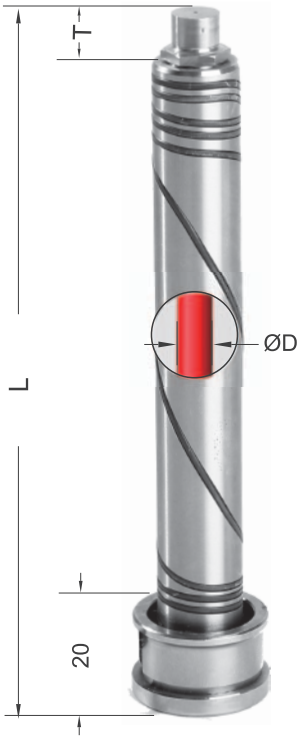
TINA EP



	TINA 05	TINA 06	TINA 08	TINA 10
T	8.5	9	11	14

- "L' is standard length which cannot be changed at will.
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Actual Length of Nozzle (BL) = L - T - ΔL
ΔL=(L - T - 20)×1.2×e-5
×(Injection Temp. - Mold Temp.)

ex) TINA10 - TAC - 185
InjectionTemp.= 250℃, Mold Temp. = 50℃
ΔL (185 - 20 - 14)×1.2×e-5×(250-50)=0.28
Actual Length of Nozzle (BL)
=185 - 22.9 - 0.28 = 156.82

Unit:mm

TYPE	ØD	L	Heater	T/C
TIM EP 05 TAC-75	05	75	HTLH18200CN1	NZTPIC101250
TIM EP 05 TAC-85		85	HTLH18200CN1	NZTPIC101350
TIM EP 05 TAC-95		95	HTLH18200CN1	NZTPIC101450
TIM EP 05 TAC-105		105	HTLH18250CN1	NZTPIC101550
TIM EP 05 TAC-115		115	HTLH18250CN1	NZTPIC101650
TIM EP 05 TAC-125		125	HTLH18250CN1	NZTPIC101750
TIM EP 05 TAC-135		135	HTLH18300CN1	NZTPIC101850
TIM EP 05 TAC-145		145	HTLH18300CN1	NZTPIC101950
TIM EP 05 TAC-155		155	HTLH18300CN1	NZTPIC102050
TIM EP 05 TAC-165		165	HTLH18300CN1	NZTPIC102150
TIM EP 05 TAC-175		175	HTLH18350CN1	NZTPIC102250
TIM EP 05 TAC-185		185	HTLH18350CN1	NZTPIC102350
TIM EP 05 TAC-195		195	HTLH18350CN1	NZTPIC102550
TIM EP 05 TAC-205		205	HTLH18400CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 06 TAC-65	06	65	HTLH18200CN1	NZTPIC101150
TIM EP 06 TAC-75		75	HTLH18250CN1	NZTPIC101250
TIM EP 06 TAC-85		85	HTLH18250CN1	NZTPIC101350
TIM EP 06 TAC-95		95	HTLH18250CN1	NZTPIC101450
TIM EP 06 TAC-105		105	HTLH18300CN1	NZTPIC101550
TIM EP 06 TAC-115		115	HTLH18300CN1	NZTPIC101650
TIM EP 06 TAC-125		125	HTLH18300CN1	NZTPIC101750
TIM EP 06 TAC-135		135	HTLH18350CN1	NZTPIC101850
TIM EP 06 TAC-145		145	HTLH18350CN1	NZTPIC101950
TIM EP 06 TAC-155		155	HTLH18350CN1	NZTPIC102050
TIM EP 06 TAC-165		165	HTLH18350CN1	NZTPIC102150
TIM EP 06 TAC-175		175	HTLH18400CN1	NZTPIC102250
TIM EP 06 TAC-185		185	HTLH18400CN1	NZTPIC102350
TIM EP 06 TAC-195		195	HTLH18450CN1	NZTPIC102550
TIM EP 06 TAC-205		205	HTLH18450CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 08 TAC-105	08	105	HTLH18060CN0	NZTPIC101550
TIM EP 08 TAC-115		115	HTLH18060CN0	NZTPIC101650
TIM EP 08 TAC-125		125	HTLH18070CN0	NZTPIC101750
TIM EP 08 TAC-135		135	HTLH18070CN0	NZTPIC101850
TIM EP 08 TAC-145		145	HTLH18070CN0	NZTPIC101950
TIM EP 08 TAC-155		155	HTLH18080CN0	NZTPIC102050
TIM EP 08 TAC-165		165	HTLH18080CN0	NZTPIC102150
TIM EP 08 TAC-175		175	HTLH18080CN0	NZTPIC102250
TIM EP 08 TAC-185		185	HTLH18090CN0	NZTPIC102350
TIM EP 08 TAC-195		195	HTLH18090CN0	NZTPIC102350
TIM EP 08 TAC-205		205	HTLH18090CN0	NZTPIC102550
TIM EP 08 TAC-215		215	HTLH18090CN0	NZTPIC102550
TIM EP 08 TAC-225		225	HTLH18100CN0	NZTPIC102550
TIM EP 08 TAC-235		235	HTLH18100CN0	NZTPIC102850
TIM EP 08 TAC-245		245	HTLH18100CN0	NZTPIC102850
TIM EP 08 TAC-255		255	HTLH18100CN0	NZTPIC102850

TYPE	ØD	L	Heater	T/C
TIM EP 10 TAC-105	10	105	HTLH18080CN0	NZTPIC101550
TIM EP 10 TAC-115		115	HTLH18080CN0	NZTPIC101650
TIM EP 10 TAC-125		125	HTLH18080CN0	NZTPIC101750
TIM EP 10 TAC-135		135	HTLH18090CN0	NZTPIC101850
TIM EP 10 TAC-145		145	HTLH18090CN0	NZTPIC101950
TIM EP 10 TAC-155		155	HTLH18090CN0	NZTPIC102050
TIM EP 10 TAC-165		165	HTLH18100CN0	NZTPIC102150
TIM EP 10 TAC-175		175	HTLH18100CN0	NZTPIC102250
TIM EP 10 TAC-185		185	HTLH18100CN0	NZTPIC102350
TIM EP 10 TAC-195		195	HTLH18100CN0	NZTPIC102350
TIM EP 10 TAC-205		205	HTLH18100CN0	NZTPIC102550
TIM EP 10 TAC-215		215	HTLH18100CN0	NZTPIC102550
TIM EP 10 TAC-225		225	HTLH18100CN0	NZTPIC102550
TIM EP 10 TAC-235		235	HTLH18110CN0	NZTPIC102850
TIM EP 10 TAC-245		245	HTLH18110CN0	NZTPIC102850
TIM EP 10 TAC-255		255	HTLH18110CN0	NZTPIC102850

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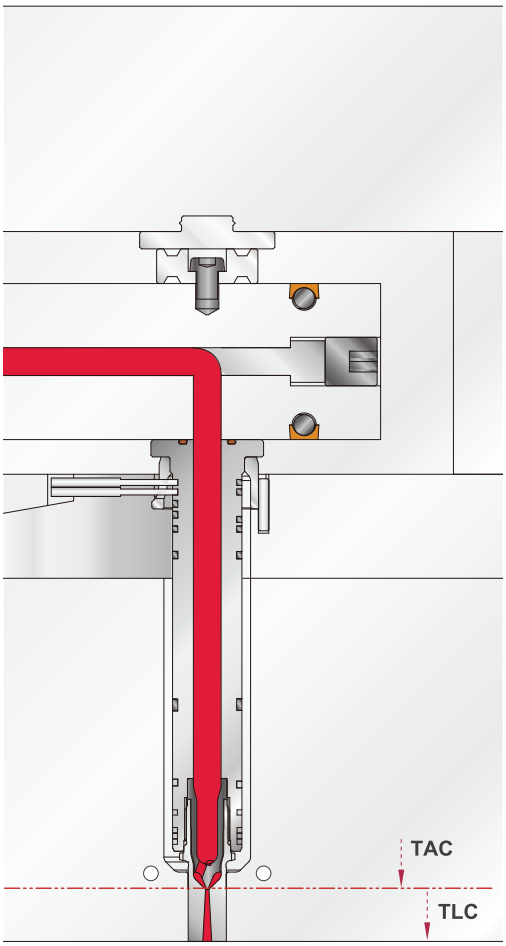
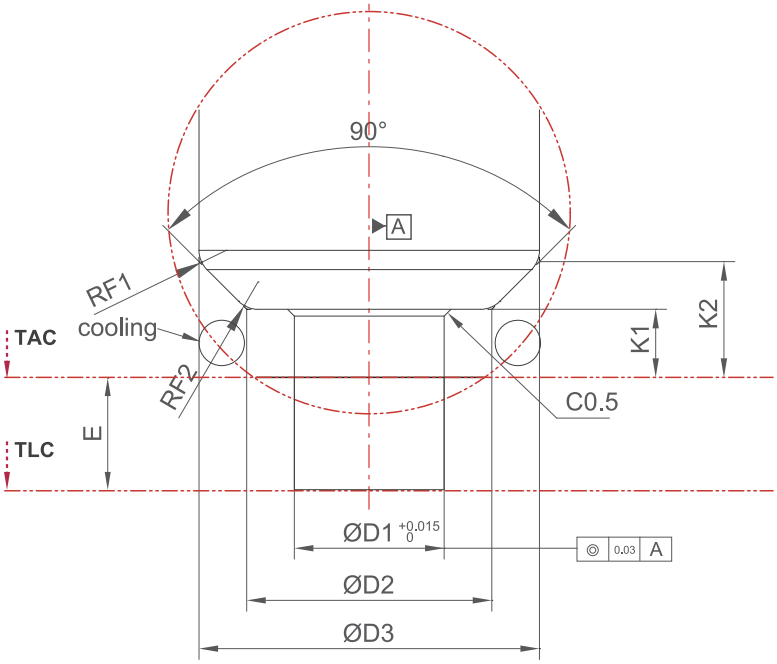
TINA EP

TINA EP TAC/TLC



Gate Area Machining



- Tina EP TAC/TLC 喷咀型号是根据流道内径来定。
- 模具加工带公差部分必须保证。
- 浇口周围冷却水路必须添加。
- “E”部分尺寸由客户选择预留加工。

- Nozzle of TINA EP and TAC/TLC type is determined by inner diameter of hot runner.
- Tolerance of mold process must be guaranteed.
- Cooling Hole must be remained on gate area.
- "E" size in the drawing is maintained for customer choice.

TINA-EP TAC / TLC TYPE SYSTEM

Unit:mm

NOZZLE TYPE	ØD1	ØD2	ØD3	K1	K2	RF1	RF2	E
05	7.5	13	20	3.5	7.0	2.0	1.0	10
06	8.5	16	23	4.0	7.5	2.0	2.0	10
08	11	18	25	5.0	8.5	2.0	2.0	15
10	15	22	32	6.0	11	2.0	2.0	15

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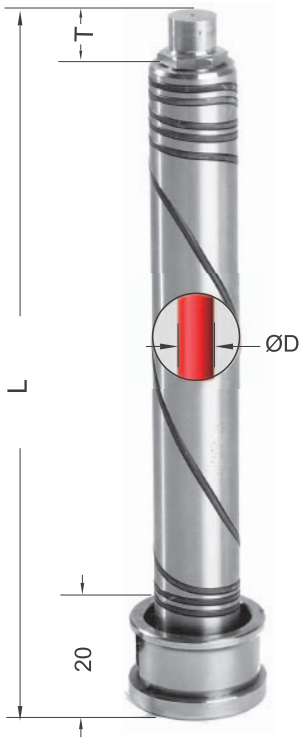
TINA EP



	TINA 05	TINA 06	TINA 08	TINA 10
T	8.5	9	11	14

- "L' is standard length which cannot be changed at will.
- ″L″为标准长度不可以随意调整。

Actual Length of Nozzle (BL) = L - T - ΔL
ΔL=(L - T - 20)×1.2×e-5
×(Injection Temp. - Mold Temp.)

ex) TINA10-TOE-185
InjectionTemp.= 250℃, Mold Temp. = 50℃
ΔL=(185 - 20 - 14)×1.2×e-5×(250-50)=0.28
Actual Length of Nozzle (BL)
=185 - 22.9 - 0.28 = 156.82

Unit:mm

TYPE	ØD	L	Heater	T/C
TIM EP 05 TOE-75	05	75	HTLH18200CN1	NZTPIC101250
TIM EP 05 TOE-85		85	HTLH18200CN1	NZTPIC101350
TIM EP 05 TOE-95		95	HTLH18200CN1	NZTPIC101450
TIM EP 05 TOE-105		105	HTLH18250CN1	NZTPIC101550
TIM EP 05 TOE-115		115	HTLH18250CN1	NZTPIC101650
TIM EP 05 TOE-125		125	HTLH18250CN1	NZTPIC101750
TIM EP 05 TOE-135		135	HTLH18300CN1	NZTPIC101850
TIM EP 05 TOE-145		145	HTLH18300CN1	NZTPIC101950
TIM EP 05 TOE-155		155	HTLH18300CN1	NZTPIC102050
TIM EP 05 TOE-165		165	HTLH18300CN1	NZTPIC102150
TIM EP 05 TOE-175		175	HTLH18350CN1	NZTPIC102250
TIM EP 05 TOE-185		185	HTLH18350CN1	NZTPIC102350
TIM EP 05 TOE-195		195	HTLH18350CN1	NZTPIC102550
TIM EP 05 TOE-205		205	HTLH18400CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 06 TOE-65	06	65	HTLH18200CN1	NZTPIC101150
TIM EP 06 TOE-75		75	HTLH18250CN1	NZTPIC101250
TIM EP 06 TOE-85		85	HTLH18250CN1	NZTPIC101350
TIM EP 06 TOE-95		95	HTLH18250CN1	NZTPIC101450
TIM EP 06 TOE-105		105	HTLH18300CN1	NZTPIC101550
TIM EP 06 TOE-115		115	HTLH18300CN1	NZTPIC101650
TIM EP 06 TOE-125		125	HTLH18300CN1	NZTPIC101750
TIM EP 06 TOE-135		135	HTLH18350CN1	NZTPIC101850
TIM EP 06 TOE-145		145	HTLH18350CN1	NZTPIC101950
TIM EP 06 TOE-155		155	HTLH18350CN1	NZTPIC102050
TIM EP 06 TOE-165		165	HTLH18350CN1	NZTPIC102150
TIM EP 06 TOE-175		175	HTLH18400CN1	NZTPIC102250
TIM EP 06 TOE-185		185	HTLH18400CN1	NZTPIC102350
TIM EP 06 TOE-195		195	HTLH18450CN1	NZTPIC102550
TIM EP 06 TOE-205		205	HTLH18450CN1	NZTPIC102550

TYPE	ØD	L	Heater	T/C
TIM EP 08 TOE-105	08	105	HTLH18060CN0	NZTPIC101550
TIM EP 08 TOE-115		115	HTLH18060CN0	NZTPIC101650
TIM EP 08 TOE-125		125	HTLH18070CN0	NZTPIC101750
TIM EP 08 TOE-135		135	HTLH18070CN0	NZTPIC101850
TIM EP 08 TOE-145		145	HTLH18070CN0	NZTPIC101950
TIM EP 08 TOE-155		155	HTLH18080CN0	NZTPIC102050
TIM EP 08 TOE-165		165	HTLH18080CN0	NZTPIC102150
TIM EP 08 TOE-175		175	HTLH18080CN0	NZTPIC102250
TIM EP 08 TOE-185		185	HTLH18090CN0	NZTPIC102350
TIM EP 08 TOE-195		195	HTLH18090CN0	NZTPIC102350
TIM EP 08 TOE-205		205	HTLH18090CN0	NZTPIC102550
TIM EP 08 TOE-215		215	HTLH18090CN0	NZTPIC102550
TIM EP 08 TOE-225		225	HTLH18100CN0	NZTPIC102550
TIM EP 08 TOE-235		235	HTLH18100CN0	NZTPIC102850
TIM EP 08 TOE-245		245	HTLH18100CN0	NZTPIC102850
TIM EP 08 TOE-255		255	HTLH18100CN0	NZTPIC102850

TYPE	ØD	L	Heater	T/C
TIM EP 10 TOE-105	10	105	HTLH18080CN0	NZTPIC101550
TIM EP 10 TOE-115		115	HTLH18080CN0	NZTPIC101650
TIM EP 10 TOE-125		125	HTLH18080CN0	NZTPIC101750
TIM EP 10 TOE-135		135	HTLH18090CN0	NZTPIC101850
TIM EP 10 TOE-145		145	HTLH18090CN0	NZTPIC101950
TIM EP 10 TOE-155		155	HTLH18090CN0	NZTPIC102050
TIM EP 10 TOE-165		165	HTLH18100CN0	NZTPIC102150
TIM EP 10 TOE-175		175	HTLH18100CN0	NZTPIC102250
TIM EP 10 TOE-185		185	HTLH18100CN0	NZTPIC102350
TIM EP 10 TOE-195		195	HTLH18100CN0	NZTPIC102350
TIM EP 10 TOE-205		205	HTLH18100CN0	NZTPIC102550
TIM EP 10 TOE-215		215	HTLH18100CN0	NZTPIC102550
TIM EP 10 TOE-225		225	HTLH18100CN0	NZTPIC102550
TIM EP 10 TOE-235		235	HTLH18110CN0	NZTPIC102850
TIM EP 10 TOE-245		245	HTLH18110CN0	NZTPIC102850
TIM EP 10 TOE-255		255	HTLH18110CN0	NZTPIC102850

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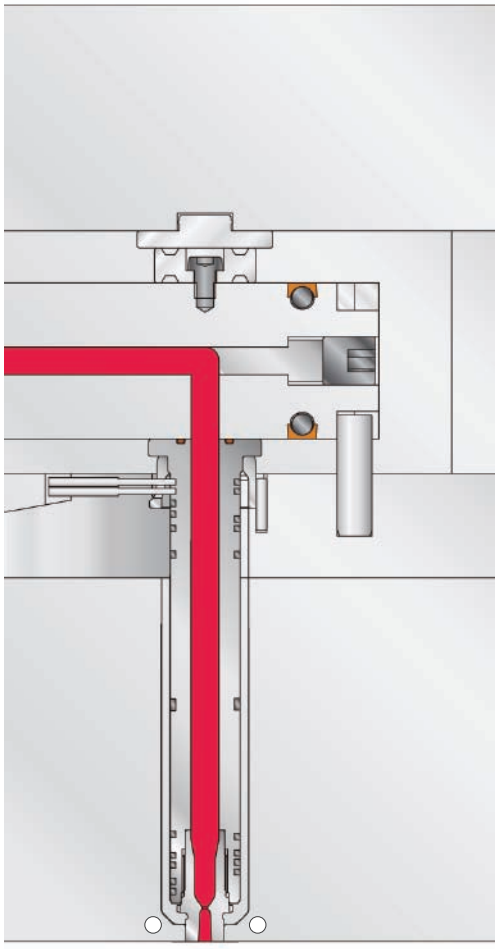
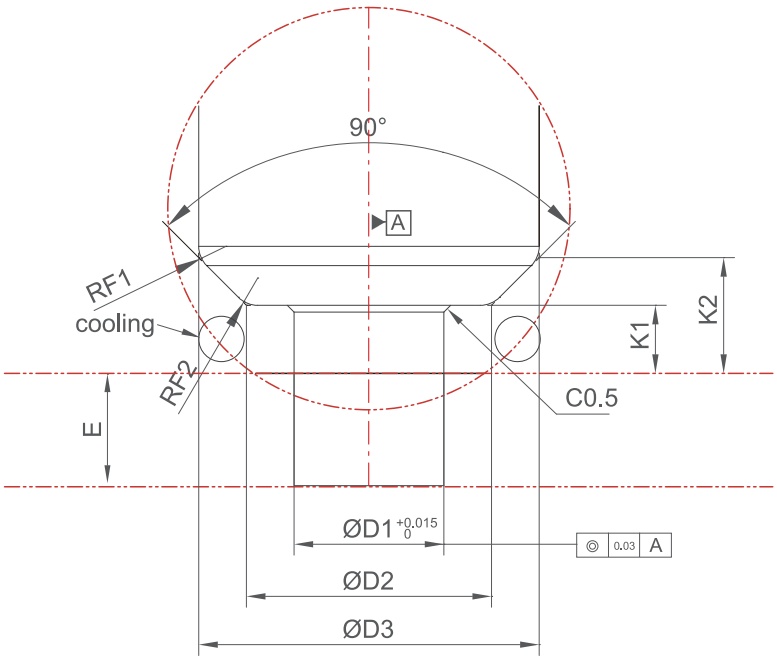
TINA EP

TINA EP TOE



Gate Area Machining



- Tina EP TOE 喷咀型号是根据流道内径来定。
- 模具加工带公差部分必须保证。
- 浇口周围冷却水路必须添加。
- “E” 部分尺寸由客户选择预留加工。

- Nozzle of TINA EP and TOE type is determined by inner diameter of hot runner.
- Tolerance of mold process must be guaranteed.
- Cooling Hole must be remained on gate area.
- "E" size in the drawing is maintained for customer choice.

TINA-EP TOE TYPE SYSTEM

Unit:mm

NOZZLE TYPE	ØD1	ØD2	ØD3	K1	K2	RF1	RF2	E
05	7.5	13	20	3.5	7.0	2.0	1.0	10
06	8.5	16	23	4.0	7.5	2.0	2.0	10
08	11	18	25	5.0	8.5	2.0	2.0	15
10	15	22	32	6.0	11	2.0	2.0	15

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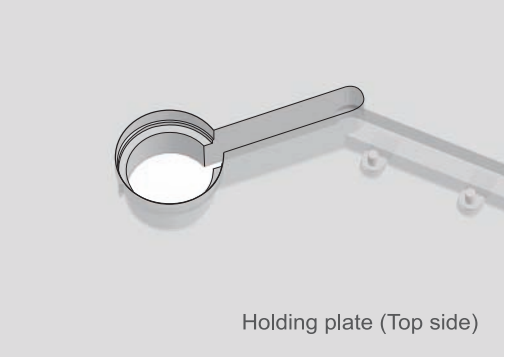
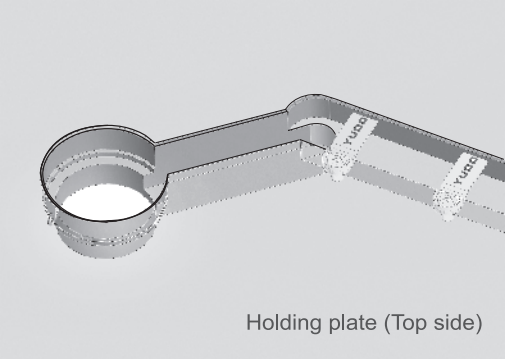
TINA EP

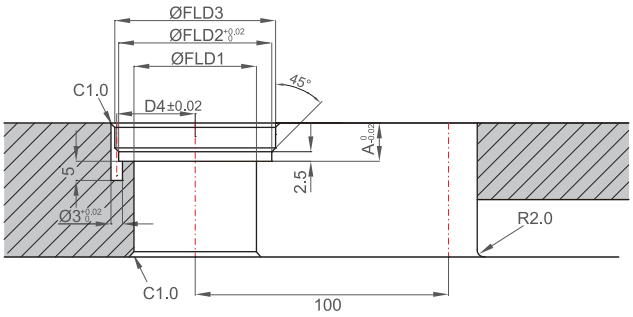
Flange area machining

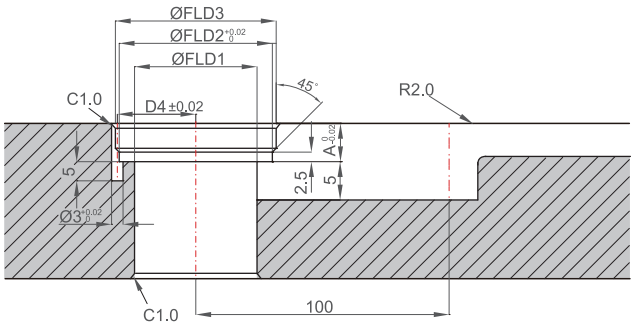
A type



B type







Unit : mm

Nozzle model	FLD1	FLD2	FLD3	D4	A
TINA-EP- 05	20	27	29	14	根据设计样式选择使用 Application depends on design and style.
TINA-EP- 06	23	30	32	15.5	
TINA-EP- 08	25	32	34	16.5	
TINA-EP- 10	32	40	42	20.5	

- YUDO给客户供应MODU系统时通常采用"A"结构，这样便于维护、更换加热器、感温线。
- 但是供应热流道系统时 ，根据客户的实际情况选择“A”型或者“B”型。

- YUDO usually offers MODU system of "A" structure to customer, which makes it easy to maintain and change heater or thermocouple pin.
- But when offering hot runner systems, "A" or "B " type is choosed depended on the customer's practical situation.

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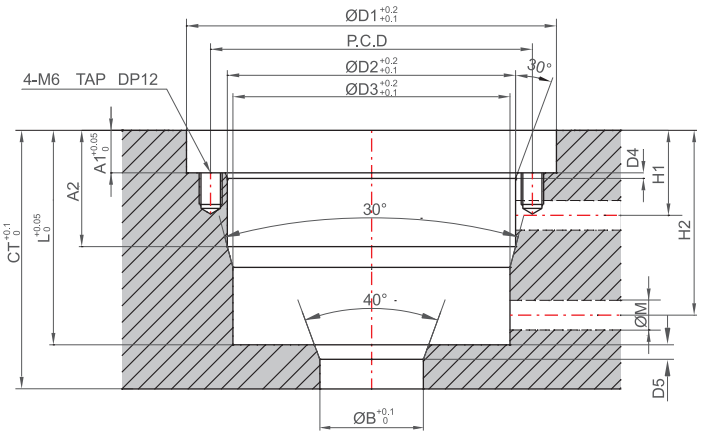
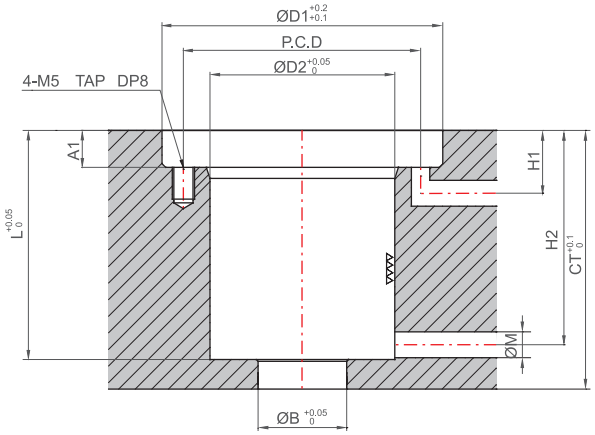
TINA EP

Cylinder are machining

▪VC



▪VCM



▪VC

Unit : mm

Cylinder model	A1	A2	B	D1	D2	D3	D4	D5	PCD	H1	H2	M	L	CT
VC58	10	26.5	28	80	58	55	1	2.5	67	20	42	6	50	60
VC68	11.5	29.5	28	90	68	65	1.5	2.7	77	22.5	47	6	55	65
VC78	11.5	31.5	28	100	78	75	1.5	4	87	23	50	8	58	70

▪VCM

Unit : mm

Cylinder model	A	B	D1	D2	H1	H2	M	L	CT
VCM29.5	6.5	24	55.5	29.5	13.5	38	7	42	50
VCM35	6.5	24	61	35	13.5	38	7	42	50
	10	24	61	35	17	48	7	52	60
VCM40	6.5	24	66	40	13.5	38	7	42	50
	10	24	66	40	17	48	7	52	60
	10	24	66	40	17	53	7	57	65
	10	24	66	40	17	58	7	62	70
VCM50	6.5	24	76	50	13.5	38	7	42	50
	10	24	76	50	17	53	7	57	65
	10	24	76	50	17	58	7	62	70