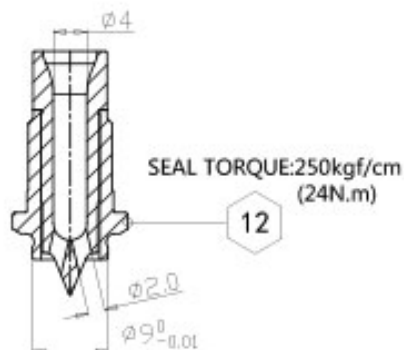
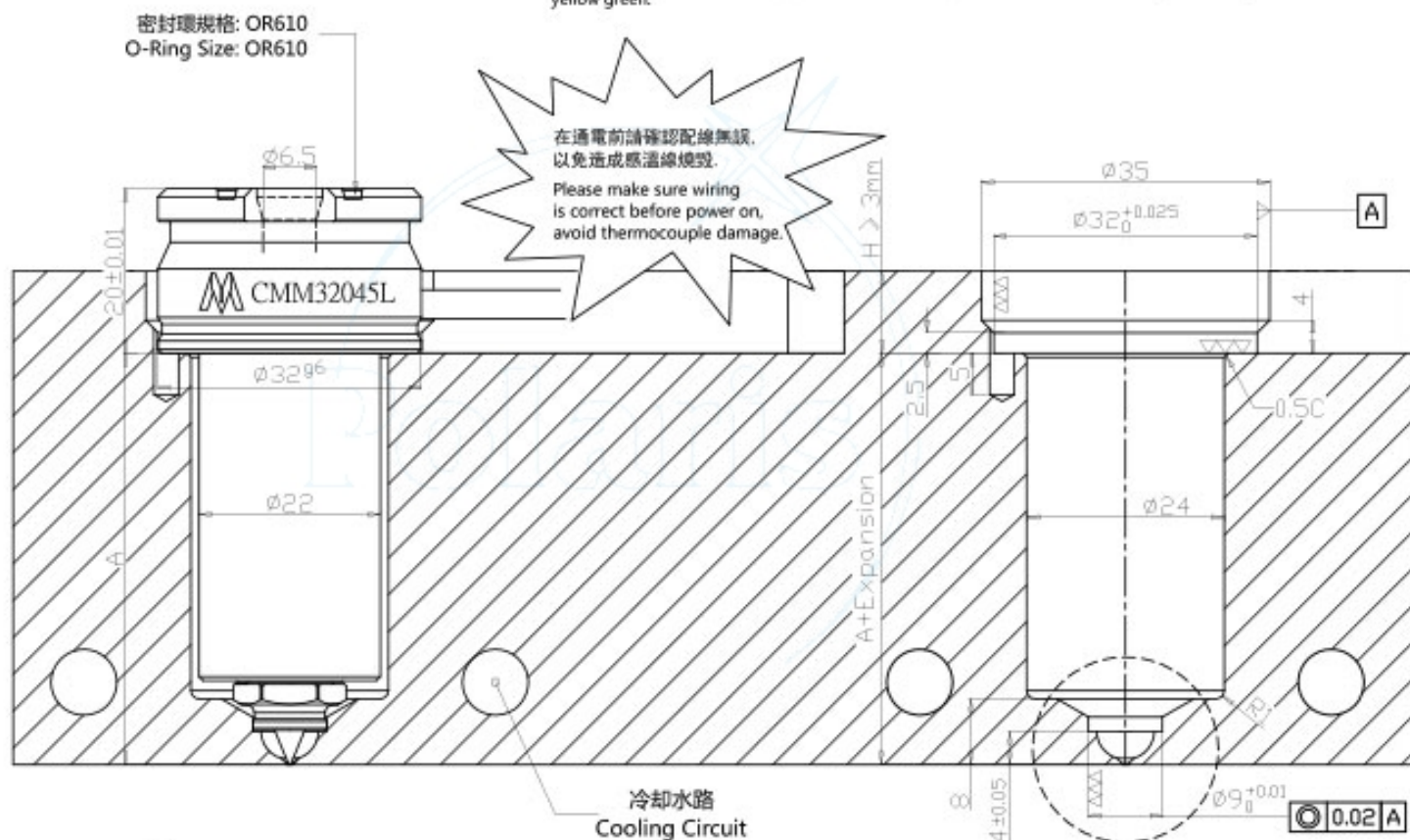




灌嘴型號 Nozzle code	A尺寸/mm A Length/mm	加熱器編號 Heater code	加熱功率/W Power/W	本系列灌嘴長度亦可依模具設計提供客製品, 相關產品圖面需求請與本公司相關人員洽詢. For C series, we offer tailor-made nozzle length option, please contact us for drawing and further details.
CMM32045L	45	CH-13033BY	330	
CMM32060L	60	CH-13040BY	400	
CMM32075L	75	CH-13040BY	400	
CMM32090L	90	CH-13047BY	470	
CMM32105L	105	CH-13047BY	470	

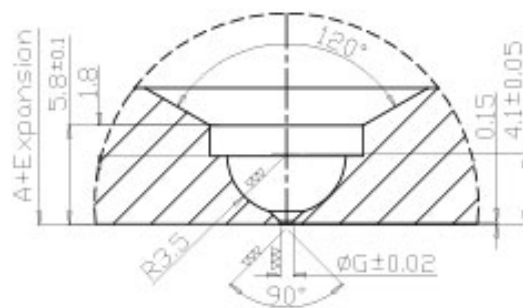
請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色各為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow green.



灌嘴熱膨脹量參考表
Nozzle thermo expansion length table

Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
温差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32


$$\text{Expansion} = \text{Nozzle Length (A)} \times 0.0000132 \times (\text{Nozzle temp} - \text{Mold temp})$$

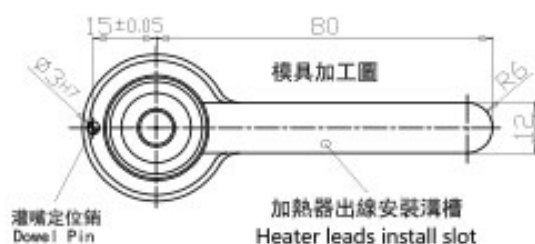
For Example,

Nozzle Length=45mm,
Nozzle temp=250°C
Mold temp=20°C
Expansion=45x0.0000132x(250-20)
=0.14mm

請注意/Note:

澆口G大小範圍從 $\phi 0.8 \sim 2.0\text{mm}$,尺寸依
成型材質及成品厚薄來決定.

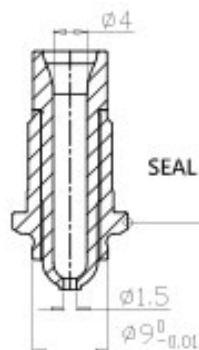
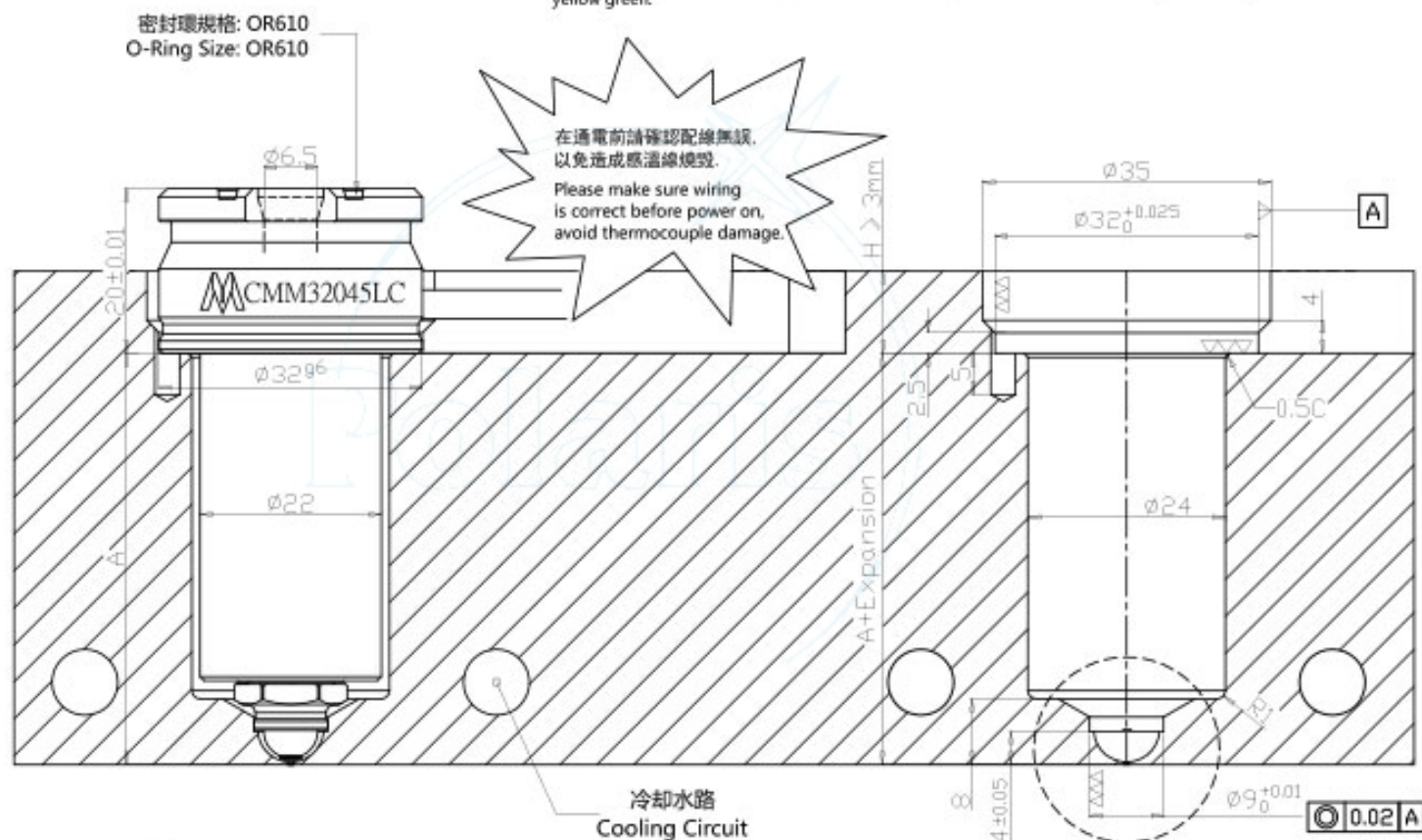
G dimension selection from $\phi 0.8 \sim 2.0 \text{mm}$, the final size should be determined by application.



灌嘴型號 Nozzle code	A尺寸/mm A Length/mm	加熱器編號 Heater code	加熱功率/W Power/W	
CMM32045LC	45	CH-13033BY	330	本系列灌嘴長度亦可依模具設計提供客製品, 相關產品圖面需求請與本公司相關人員洽詢. For C series, we offer tailor-made nozzle length option, please contact us for drawing and further details.
CMM32060LC	60	CH-13040BY	400	
CMM32075LC	75	CH-13040BY	400	
CMM32090LC	90	CH-13047BY	470	
CMM32105LC	105	CH-13047BY	470	

請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色各為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow green.



SEAL TORQUE:250kgf/cm
(24N.m)

12

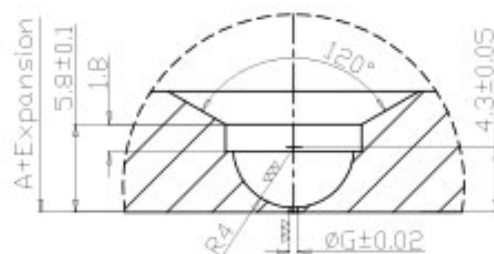
灌嘴熱膨脹量參考表
Nozzle thermo expansion length table

Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
温差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32

$$\text{Expansion} = \text{Nozzle Length (A)} \times 0.0000132 \times (\text{Nozzle temp} - \text{Mold temp})$$

For Example,

Nozzle Length=45mm,
Nozzle temp=250°C
Mold temp=20°C
Expansion=45x0.0000132x(250-20)
=0.14mm



請注意/Note:

澆口G大小範圍從 $\phi 0.5 \sim 1.5\text{mm}$,尺寸依
成型材質及成品厚薄來決定.

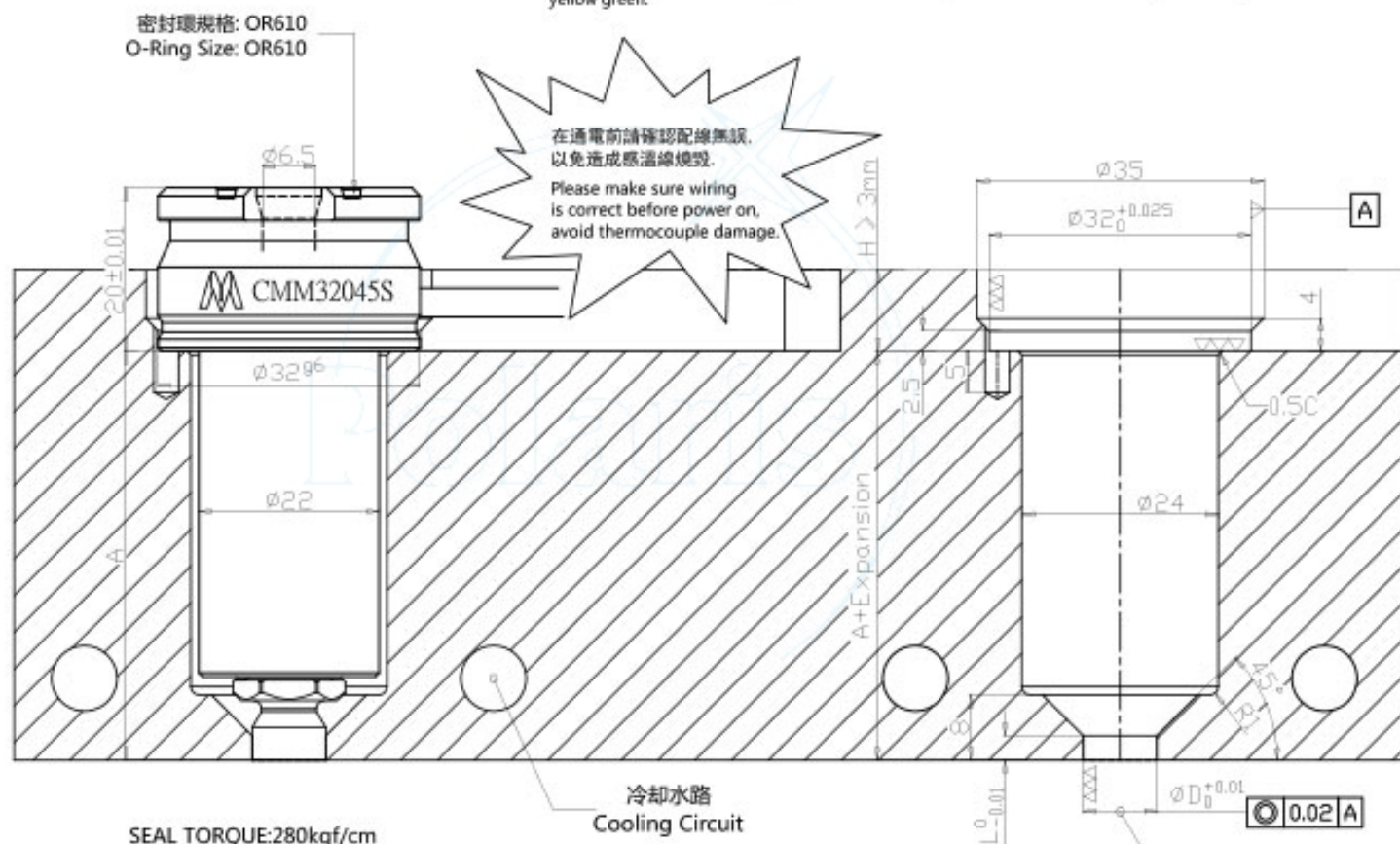
G dimension selection from $\phi 0.5 \sim 1.5 \text{ mm}$, the final size should be determined by application.



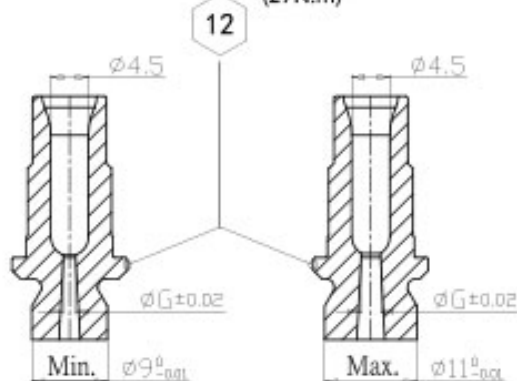
灌嘴型號 Nozzle code	A尺寸/mm A Lengthy/mm	加熱器編號 Heater code	加熱功率/W Power/W	
CMM32045S	45	CH-13033BY	330	本系列灌嘴長度亦可依模具設計提供客製品, 相關產品圖面需求請與本公司相關人員洽詢. For C series, we offer tailor-made nozzle length option, please contact us for drawing and further details.
CMM32060S	60	CH-13040BY	400	
CMM32075S	75	CH-13040BY	400	
CMM32090S	90	CH-13047BY	470	
CMM32105S	105	CH-13047BY	470	

請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow green.



SEAL TORQUE:280kgf/cm
(27N.m)



灌嘴熱膨脹量參考表
Nozzle thermo expansion length table

Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
温差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32

ØD尺寸/mm ØD dia/mm	L尺寸/mm L Length/mm
Min. 9.0	3.0
Max. 11.0	4.0

$$\text{Expansion} = \text{Nozzle Length (A)} \times 0.0000132 \times (\text{Nozzle temp} - \text{Mold temp})$$

For Example,

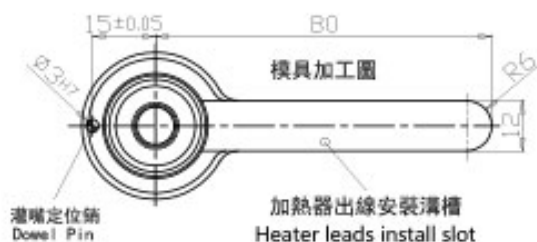
Nozzle Length=45mm,
Nozzle temp=250°C
Mold temp=20°C
Expansion=45x0.0000132x(250-20)
=0.14mm

請注意/Note:

澆口G大小範圍從 $\phi 1.4 \sim 2.2\text{mm}$,尺寸依成型材質及成品厚薄來決定。

G dimension selection from $\phi 1.4 \sim 2.2 \text{mm}$, the final size should be determined by application.

CMM32-Type SE



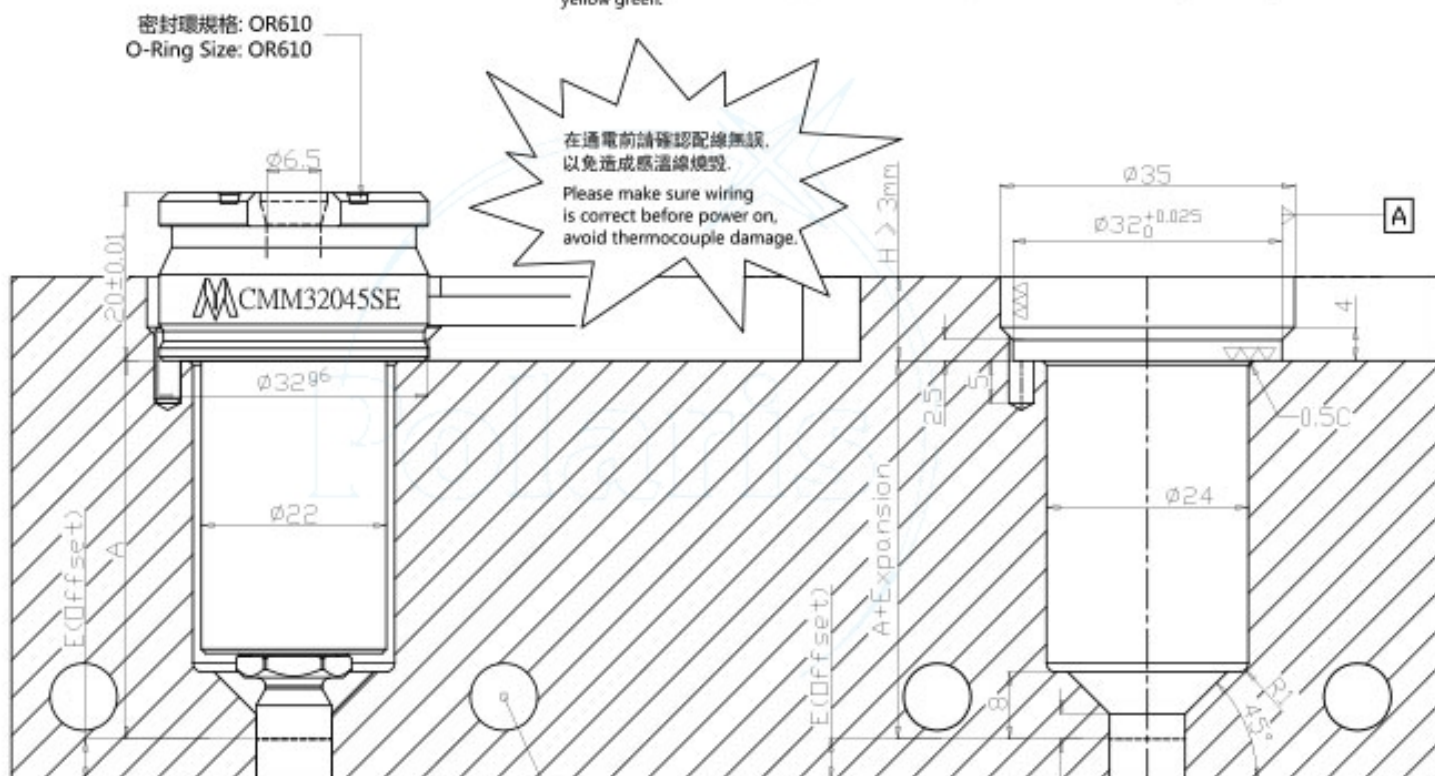
灌嘴型號 Nozzle code	A尺寸/mm A Length/mm	加熱器編號 Heater code	加熱功率/W Power/W
CMM32045SE	45	CH-13033BY	330
CMM32060SE	60	CH-13040BY	400
CMM32075SE	75	CH-13040BY	400
CMM32090SE	90	CH-13047BY	470
CMM32105SE	105	CH-13047BY	470

本系列灌嘴長度亦可依模具設計提供客製品。相關產品圖面需求請與本公司相關人員洽詢。

For C series, we offer tailor-made nozzle length option, please contact us for drawing and further details.

請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色各為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow green.



SEAL TORQUE: 280kgf/cm (27N.m)

冷却水路
Cooling Circuit

灌嘴熱膨脹參考表

Nozzle thermo expansion length table

Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
溫差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32

ØD尺寸/mm ØD dia/mm	L尺寸/mm L Length/mm
Min. 9.0	3.0
Max. 11.0	4.0

請注意/Note:

E尺寸可依據客戶模具需求訂制合適的長度尺寸。

Dimension E can be customized by customer demand.

Expansion = Nozzle Length(A) × 0.0000132 × (Nozzle temp - Mold temp)

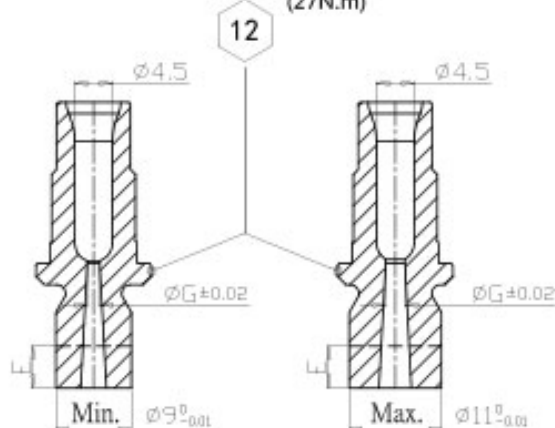
For Example,

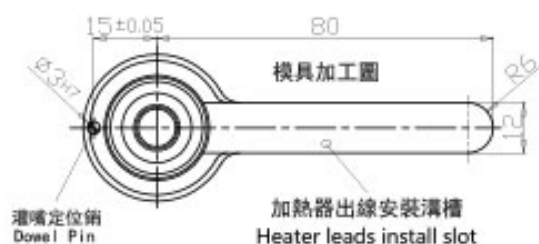
Nozzle Length = 45mm,
Nozzle temp = 250°C
Mold temp = 20°C
Expansion = 45 × 0.0000132 × (250 - 20) = 0.14mm

請注意/Note:

滴口G大小範圍從1.4~2.2mm, 尺寸依成型材質及成品厚度來決定。

G dimension selection from 1.4~2.2mm, the final size should be determined by application.

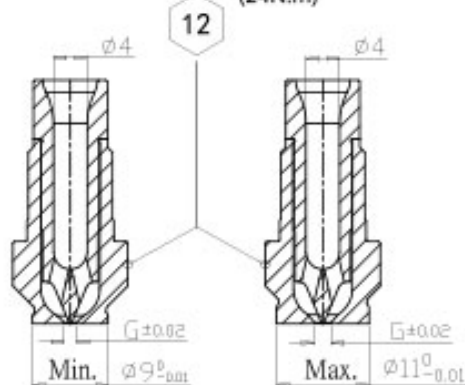
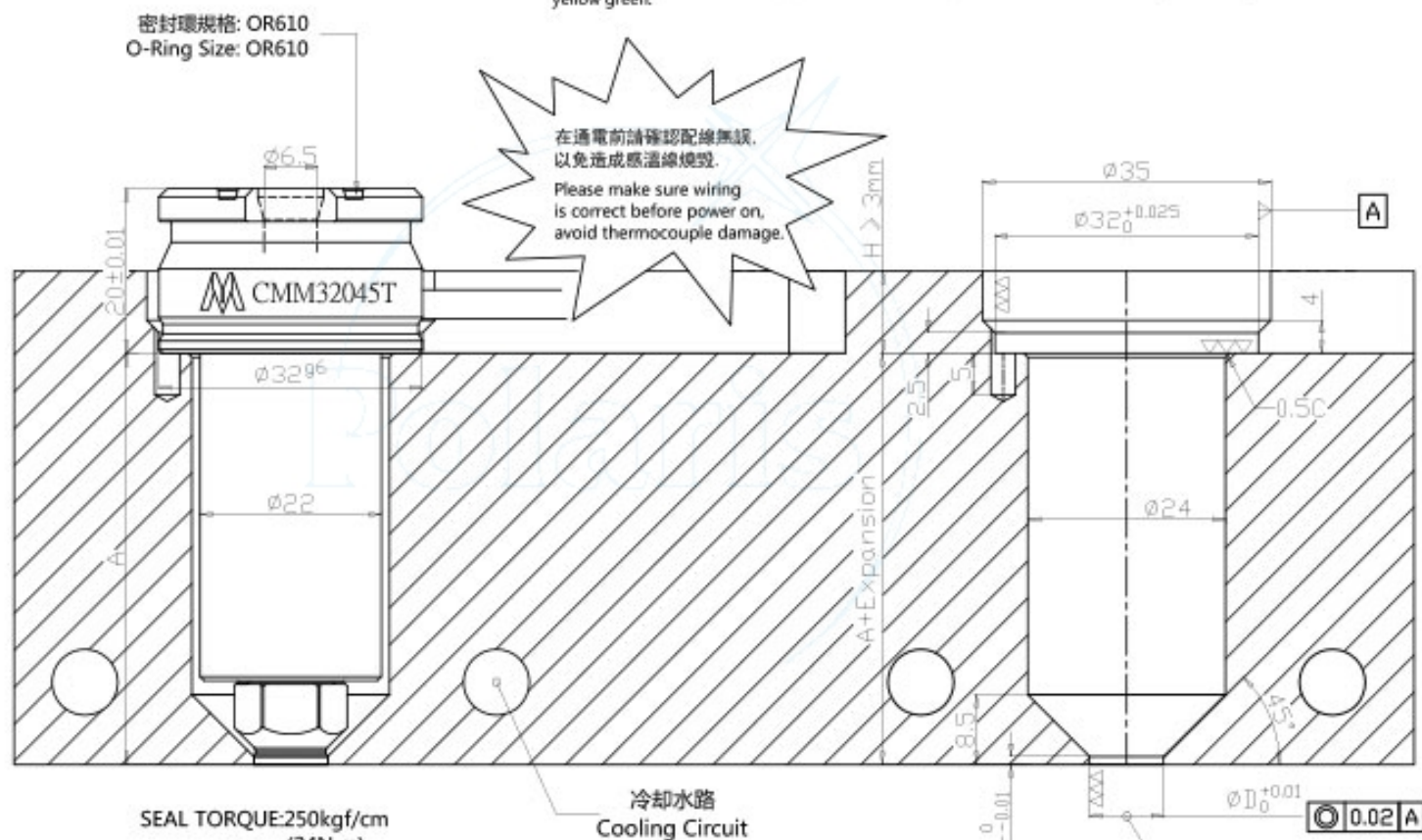




灌嘴型號 Nozzle code	A尺寸/mm A Length/mm	加熱器編號 Heater code	加熱功率/W Power/W	
CMM32045T	45	CH-13033BY	330	本系列灌嘴長度亦可依模具設計提供客製品, 相關產品圖面需求請與本公司相關人員洽詢. For C series, we offer tailor-made nozzle length option, please contact us for drawing and further details.
CMM32060T	60	CH-13040BY	400	
CMM32075T	75	CH-13040BY	400	
CMM32090T	90	CH-13047BY	470	
CMM32105T	105	CH-13047BY	470	

請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色各為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow green.



灌嘴熱膨脹量參考表
Nozzle thermo expansion length table

Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
温差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32

ØD尺寸/mm ØD dia/mm	L尺寸/mm L Length/mm
Min. 9.0	1.0
Max. 11.0	2.0

$$\text{Expansion} = \text{Nozzle Length (A)} \times 0.0000132 \times (\text{Nozzle temp} - \text{Mold temp})$$

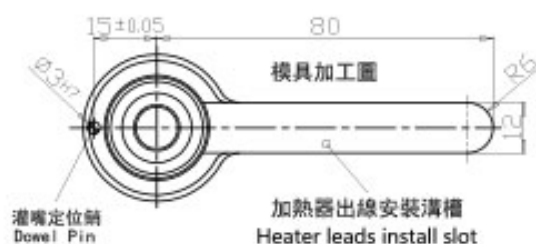
For Example,

Nozzle Length=45mm,
Nozzle temp=250°C
Mold temp=20°C
Expansion=45x0.0000132x(250-20)
=0.14mm

請注意/Note:

澆口G大小範圍從 $\phi 0.9 \sim 2.0\text{mm}$,尺寸依成型材質及成品厚薄來決定。

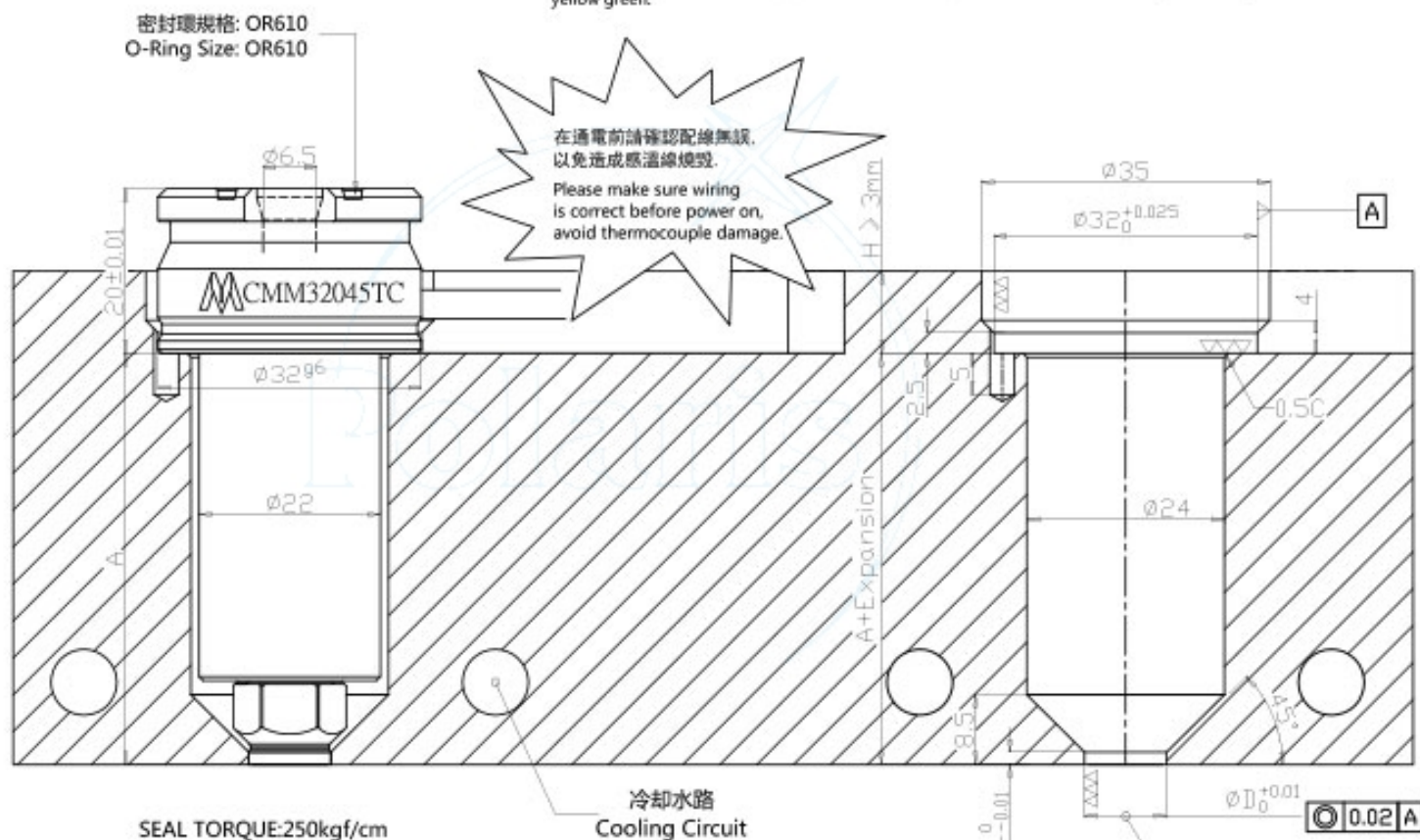
G dimension selection from $\phi 0.9 \sim 2.0 \text{mm}$, the final size should be determined by application.



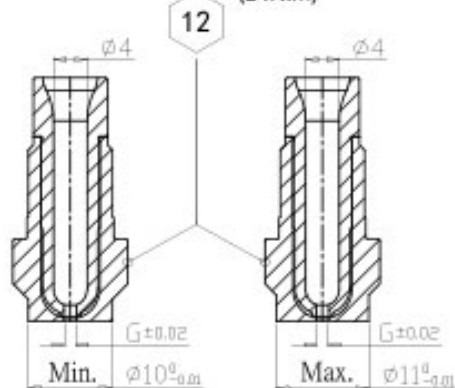
灌嘴型號 Nozzle code	A尺寸/mm A Lengthy/mm	加熱器編號 Heater code	加熱功率/W Power/W	
CMM32045TC	45	CH-13033BY	330	本系列灌嘴長度亦可依模具設計提供客製品, 相關產品圖面需求請與本公司相關人員洽詢. For C series, we offer tailor-made nozzle length option, please contact us for drawing and further details.
CMM32060TC	60	CH-13040BY	400	
CMM32075TC	75	CH-13040BY	400	
CMM32090TC	90	CH-13047BY	470	
CMM32105TC	105	CH-13047BY	470	

請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow-green.



SEAL TORQUE:250kgf/cm
(24N.m)



灌嘴熱膨脹量參考表
Nozzle thermo expansion length table

Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
温差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32

ØD尺寸/mm ØD dia/mm	L尺寸/mm L Length/mm
Min. 10.0	1.5
Max. 11.0	2.0

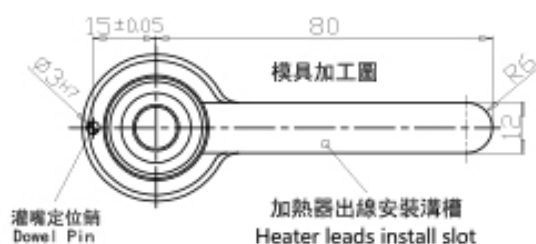
$$\text{Expansion} = \text{Nozzle Length (A)} \times 0.0000132 \times (\text{Nozzle temp} - \text{Mold temp})$$

請注意/Note:
澆口G大小範圍從 $\phi 0.9 \sim 1.5\text{mm}$,尺寸依
成型材質及成品厚薄來決定.

G dimension selection from $\phi 0.9 \sim 1.5 \text{mm}$, the final size should be determined by application.

For Example,

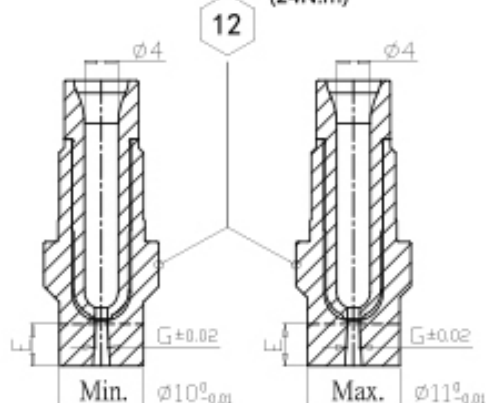
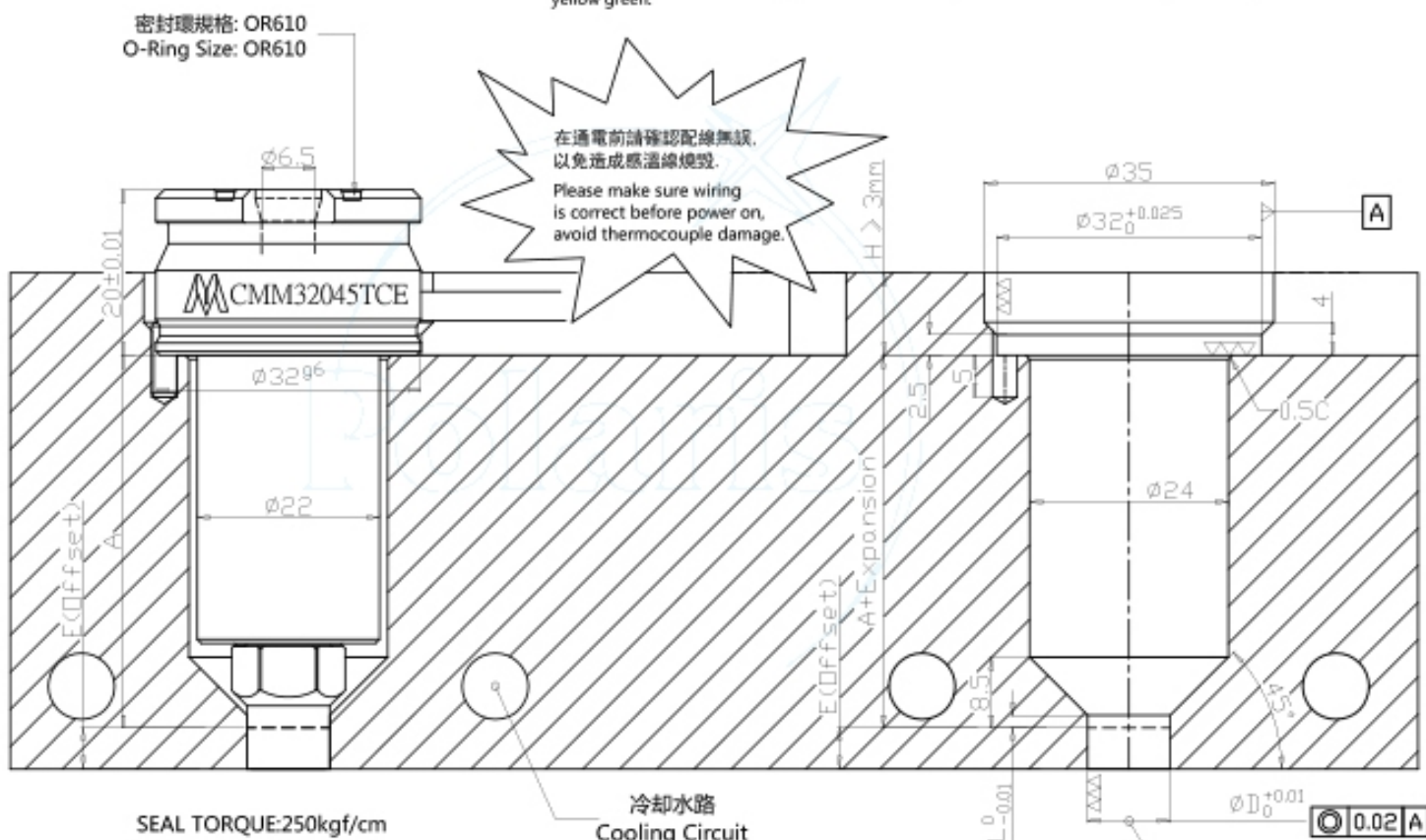
Nozzle Length=45mm,
Nozzle temp=250°C
Mold temp=20°C
Expansion=45x0.0000132x(250-20)
=0.14mm



灌嘴型號 Nozzle code	A尺寸/mm A Length/mm	加熱器編號 Heater code	加熱功率/W Power/W	
CMM32045TCE	45	CH-13033BY	330	本系列灌嘴長度亦可依模具設計提供客製品, 相關產品圖面需求請與本公司相關人員洽詢. For C series, we offer tailor-made nozzle length option, please contact us for drawing and further details.
CMM32060TCE	60	CH-13040BY	400	
CMM32075TCE	75	CH-13040BY	400	
CMM32090TCE	90	CH-13047BY	470	
CMM32105TCE	105	CH-13047BY	470	

請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色各為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow green.



灌嘴熱膨脹量參考表
Nozzle thermo expansion length table

Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
温差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32

ØD尺寸/mm ØD dia/mm	L尺寸/mm L Length/mm
Min. 10.0	1.5
Max. 11.0	2.0

請注意/Note :

E尺寸可依據客戶模具需求訂制合適的長度尺寸。

Dimension E can be customized by customer demand.

$$\text{Expansion} = \text{Nozzle Length (A)} \times 0.0000132 \times (\text{Nozzle temp} - \text{Mold temp})$$

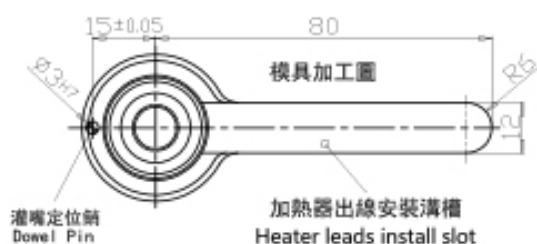
For Example,

Nozzle Length=45mm,
Nozzle temp=250°C
Mold temp=20°C
Expansion= $45 \times 0.0000132 \times (250 - 20)$
=0.14mm

請注意/Note:

澆口G大小範圍從 $\phi 1.2 \sim 1.6\text{mm}$,尺寸依
成型材質及成品厚薄來決定。

G dimension selection from $\phi 1.2 \sim 1.6 \text{ mm}$, the final size should be determined by application.



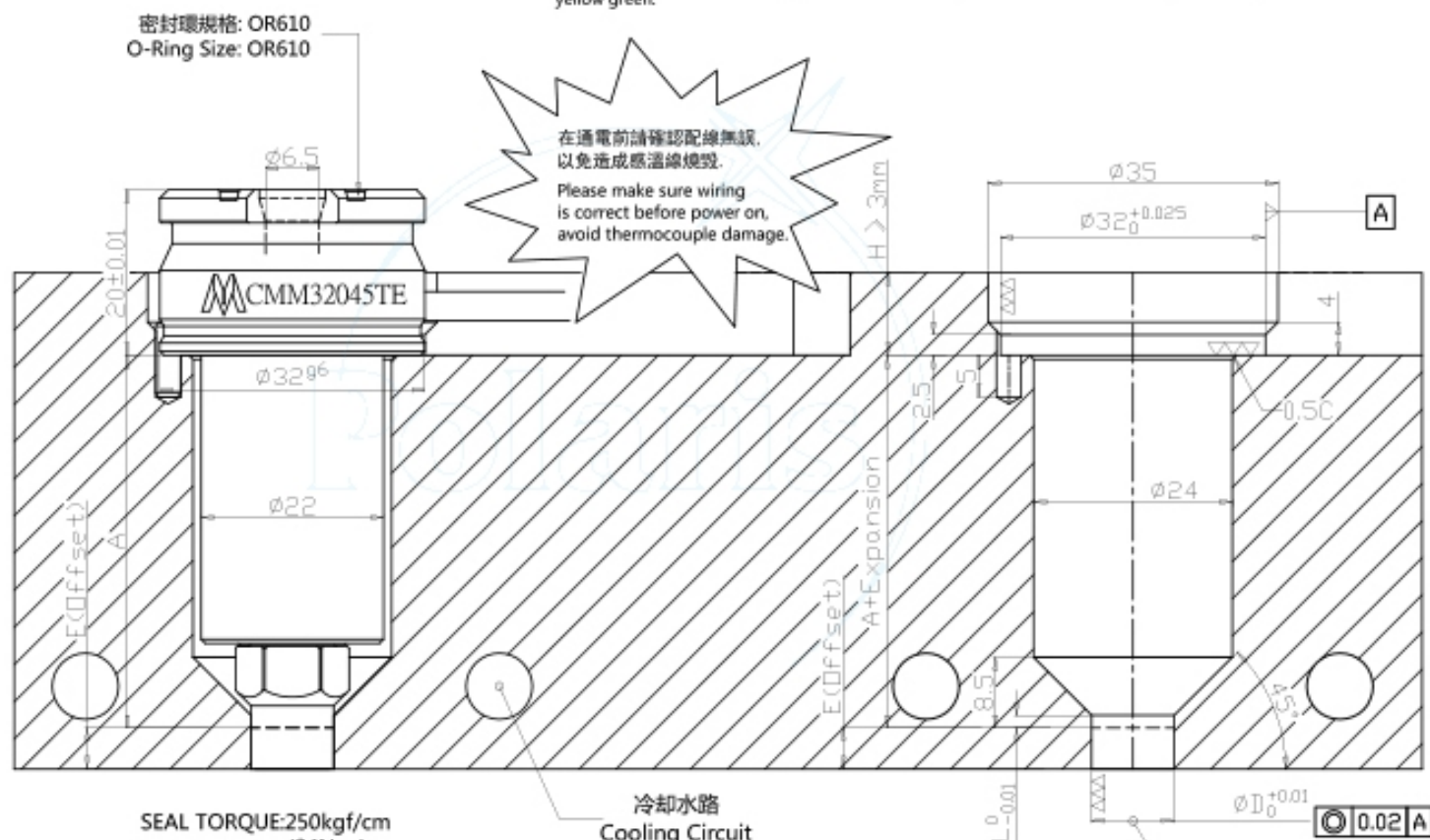
灌嘴型號 Nozzle code	A尺寸/mm A Length/mm	加熱器編號 Heater code	加熱功率/W Power/W
CMM32045TE	45	CH-13033BY	330
CMM32060TE	60	CH-13040BY	400
CMM32075TE	75	CH-13040BY	400
CMM32090TE	90	CH-13047BY	470
CMM32105TE	105	CH-13047BY	470

本系列灌嘴長度亦可依模具設計提供客製品，相關產品圖面需求請與本公司相關人員洽詢。

For C series,we offer tailor-made nozzle length option,please contact us for drawing and further details.

請注意：本系統加熱器出線共有五條，其中兩條是電熱線，顏色各為橘色與灰色，另外兩條為歐規J型絕緣式感溫線，紅色代表正極，藍色代表負極，最後一條是接地線，顏色為黃綠色。

Note: Each C series nozzle heater contains 5 wireleads, 2 are for power, the wireleads colour are orange and gray, 2 are for J type insulated thermocouple, the red colour is positive and blue colour is negative, the ground lead colour is yellow-green.

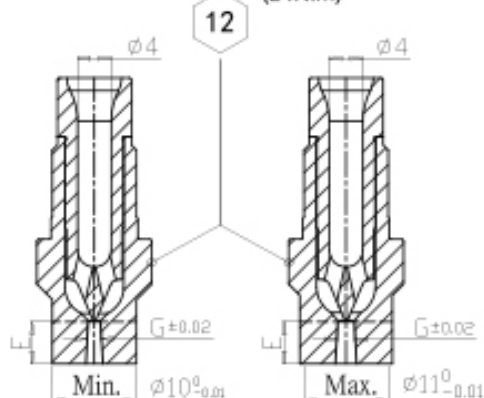


SEAL TORQUE:250kgf/cm
(24N.m)

Cooling Circuit

灌嘴熱膨脹量參考表

Nozzle thermo expansion length table



Expansion coefficient	1.32E-05	Expansion length
Mold temp	20	
Nozzle temp	250	
温差	230	
Nozzle length	45	0.14
	60	0.19
	75	0.23
	90	0.28
	105	0.32

ØD尺寸/mm	L尺寸/mm
ØD dia/mm	L Length/mm
Min. 10.0	1.5
Max. 11.0	2.0

請注意/Note：

E尺寸可依據客戶模具需求訂制合適的長度尺寸。

Dimension E can be customized by customer demand.

請注意/Note:

澆口G大小範圍從 $\phi 1.5 \sim 2.2\text{mm}$,尺寸依成型材質及成品厚薄來決定.

G dimension selection from $\phi 1.5 \sim 2.2 \text{mm}$, the final size should be determined by application.

For Example,

Nozzle Length=45mm,
Nozzle temp=250°C
Mold temp=20°C
Expansion=45x0.0000132x(250-20)
=0.14mm

$$\text{Expansion} = \text{Nozzle Length (A)} \times 0.0000132 \times (\text{Nozzle temp} - \text{Mold temp})$$