

YUDO®

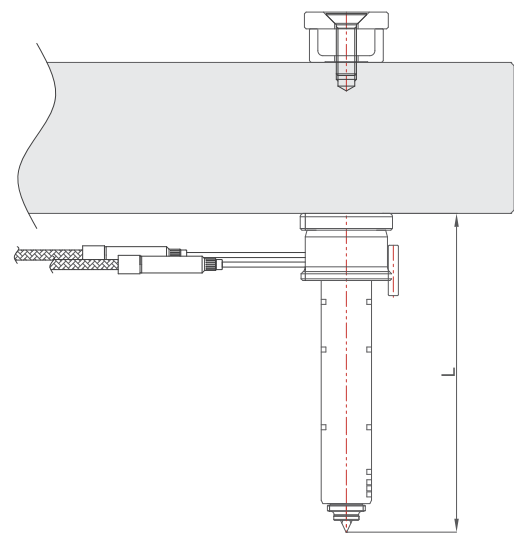
Integrated Engineering Solution



TINA EP Technical Data

TINA EP

TINA EP 05 NOZZLE

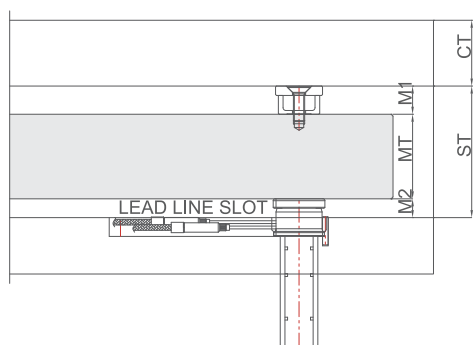


TEP05□□075□□
└──┬──┘
IC,CA
CC,TAC,TLC,TOE,VV

CODE	L	Heater	T/C
TEP05□□ 075□□	075	HTLH18200CN1	NZTPIC[CA]101150
TEP05□□ 085□□	085	HTLH18200CN1	NZTPIC[CA]101350
TEP05□□ 095□□	095	HTLH18200CN1	NZTPIC[CA]101350
TEP05□□ 105□□	105	HTLH18250CN1	NZTPIC[CA]101550
TEP05□□ 115□□	115	HTLH18250CN1	NZTPIC[CA]101550
TEP05□□ 125□□	125	HTLH18250CN1	NZTPIC[CA]101750
TEP05□□ 135□□	135	HTLH18300CN1	NZTPIC[CA]101750
TEP05□□ 145□□	145	HTLH18300CN1	NZTPIC[CA]101950
TEP05□□ 155□□	155	HTLH18300CN1	NZTPIC[CA]101950
TEP05□□ 165□□	165	HTLH18300CN1	NZTPIC[CA]102150
TEP05□□ 175□□	175	HTLH18350CN1	NZTPIC[CA]102150
TEP05□□ 185□□	185	HTLH18350CN1	NZTPIC[CA]102350
TEP05□□ 195□□	195	HTLH18350CN1	NZTPIC[CA]102350
TEP05□□ 205□□	205	HTLH18400CN1	NZTPIC[CA]102550
TEP05□□ 215□□	215	HTLH18400CN1	NZTPIC[CA]102550
TEP05□□ 225□□	225	HTLH18400CN1	NZTPIC[CA]102750
TEP05□□ 235□□	235	HTLH18450CN1	NZTPIC[CA]102750
TEP05□□ 245□□	245	HTLH18450CN1	NZTPIC[CA]102950
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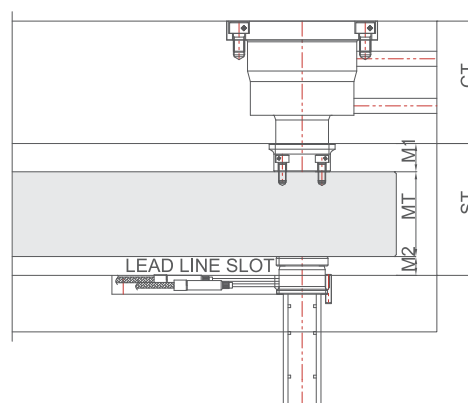
TINA EP

TINA EP 05 OPEN SYSTEM



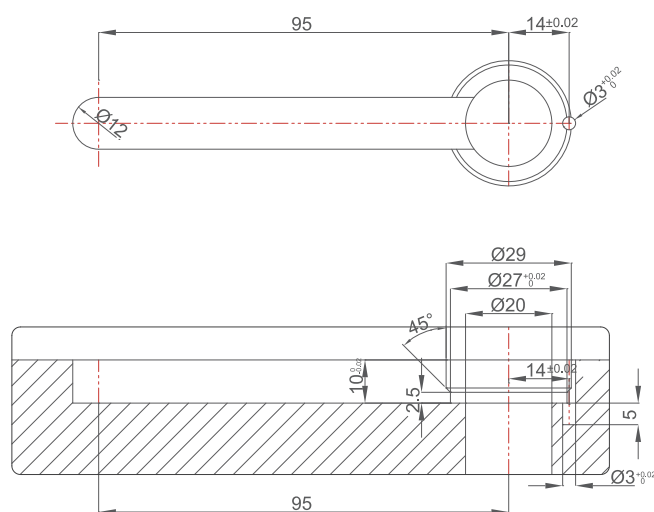
CT[MIN]	ST	MT	M1	M2
35	70~	45	15	10

TINA EP 05 VALVE SYSTEM



CT[MIN]	ST	MT	M1	M2
65~	70~	45	15	10

TINA EP 05 FLANGE



CC



Technical drawing of a 90° corner joint for a 20mm diameter pipe. The drawing shows a cross-section of the pipe with a 90° bend. The outer diameter is Ø20. The inner diameter of the bend is Ø13. The thickness of the pipe wall is 3.5mm. The bend is made of a material with a yield strength of 0.8. The bend is welded to the main pipe. The drawing includes dimensions for the bend: 90°, 90°, 3, 3.5, 7, 0.02, Ø7.5, Ø8.5, Ø13, Ø20. A table on the right lists the yield strength values: 0.8, 1.0, 1.2.

ØG
0.8
1.0
1.2

Technical drawing of a 10(E) ball joint. The drawing shows a cross-section of the joint with dimensions: 10(E) for the outer diameter, R2 and R1 for radii, 90° for the angle, 3(min) for the minimum thickness, 13, 13.5, and 17 for vertical dimensions, and ØG ±0.02, Ø7.5 ±0.02, Ø13, and Ø20 for diameters. A table on the right lists ØG values: 0.8, 1.0, and 1.2.

ØG
0.8
1.0
1.2

[illegible]

ØG	ØA	L
1.0	2.0	1.4
1.2	2.2	1.3

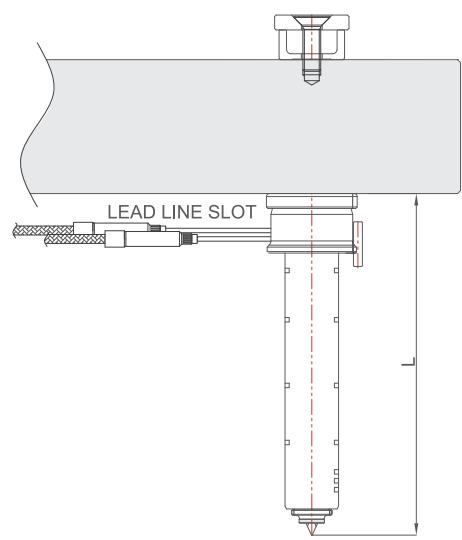
ØG	L
1.0	1.3
1.2	1.2

ØG
0.8
1.0
1.2

ØG
1.0
1.2

TINA EP

TINA EP 06 NOZZLE

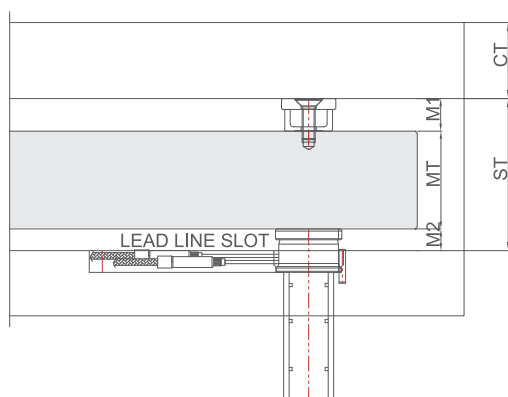


TEP06□□065□□
IC, CA
CC, CT, TAC, TLC, TOE, WV

CODE	L	Heater	T/C
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TEP06□□075□□	75	HTLH18250CN1	NZTPIC[CA] 101150
TEP06□□085□□	85	HTLH18250CN1	NZTPIC[CA] 101350
TEP06□□095□□	095	HTLH18250CN1	NZTPIC[CA] 101350
TEP06□□105□□	105	HTLH18300CN1	NZTPIC[CA] 101550
TEP06□□115□□	115	HTLH18300CN1	NZTPIC[CA] 101550
TEP06□□125□□	125	HTLH18300CN1	NZTPIC[CA] 101750
TEP06□□135□□	135	HTLH18350CN1	NZTPIC[CA] 101750
TEP06□□145□□	145	HTLH18350CN1	NZTPIC[CA] 101950
TEP06□□155□□	155	HTLH18350CN1	NZTPIC[CA] 101950
TEP06□□165□□	165	HTLH18350CN1	NZTPIC[CA] 102150
TEP06□□175□□	175	HTLH18400CN1	NZTPIC[CA] 102150
TEP06□□185□□	185	HTLH18400CN1	NZTPIC[CA] 102350
TEP06□□195□□	195	HTLH18450CN1	NZTPIC[CA] 102350
TEP06□□205□□	205	HTLH18450CN1	NZTPIC[CA] 102550
TEP06□□215□□	215	HTLH18450CN1	NZTPIC[CA] 102550
TEP06□□225□□	225	HTLH18500CN1	NZTPIC[CA] 102750
TEP06□□235□□	235	HTLH18500CN1	NZTPIC[CA] 102750
TEP06□□245□□	245	HTLH18500CN1	NZTPIC[CA] 102950
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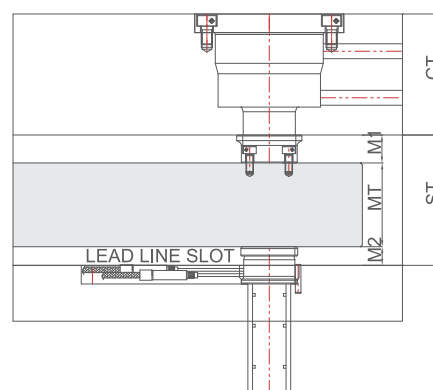
TINA EP

TINA EP 06 OPEN SYSTEM



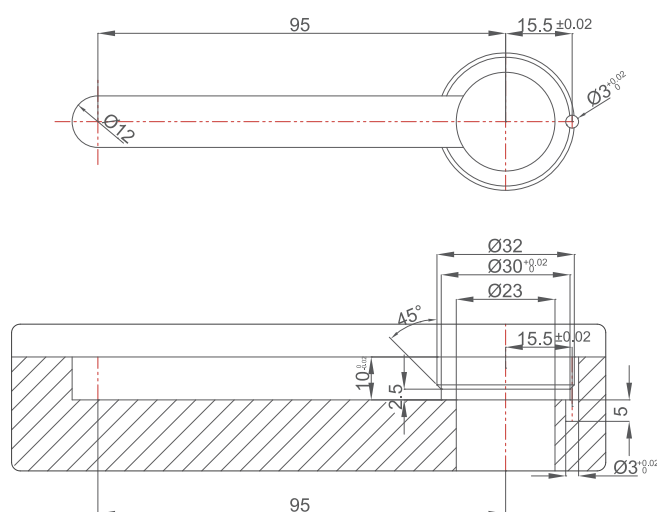
CT[MIN]	ST	MT	M1	M2
35	70~	45	15	10

TINA EP 06 VALVE SYSTEM



CT[MIN]	ST	MT	M1	M2
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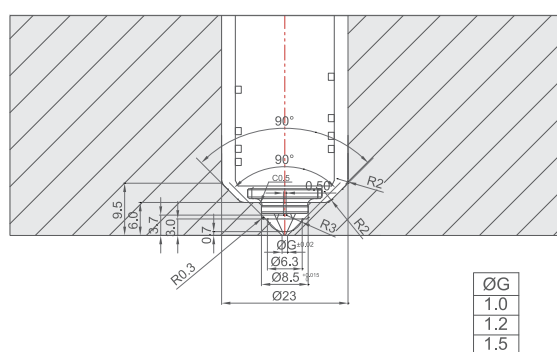
TINA EP 06 FLANGE



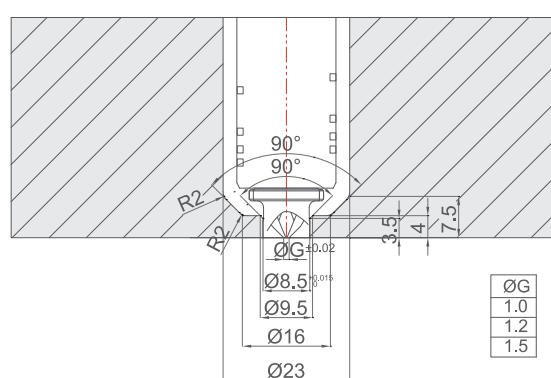
TINA EP

TINA EP 06 OPEN GATE

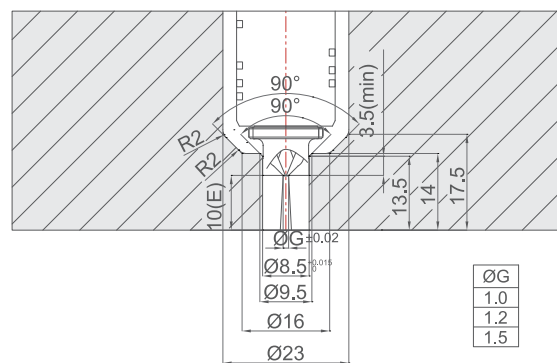
CC



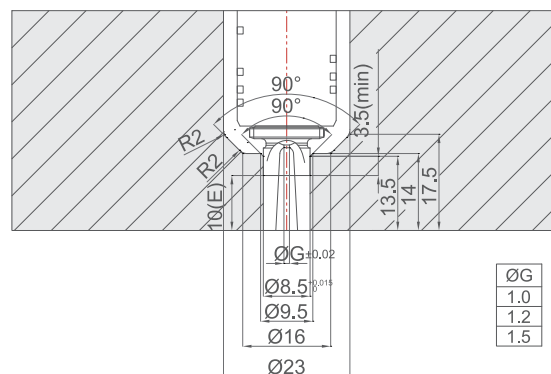
TAC



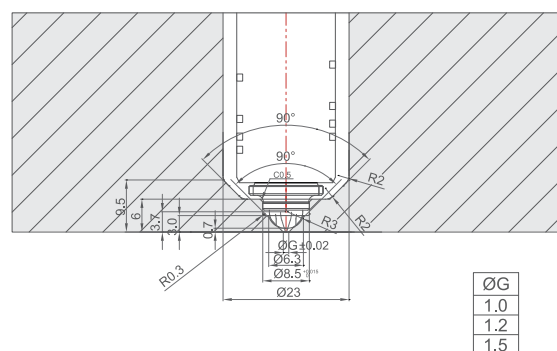
TLC



TOE



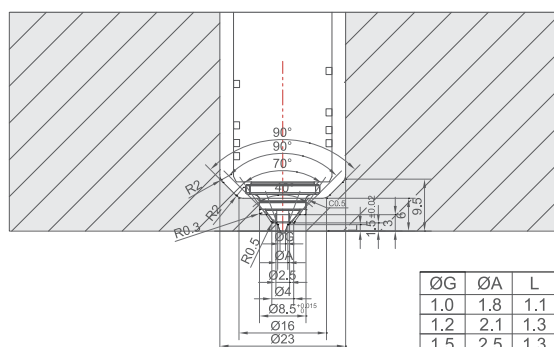
CT



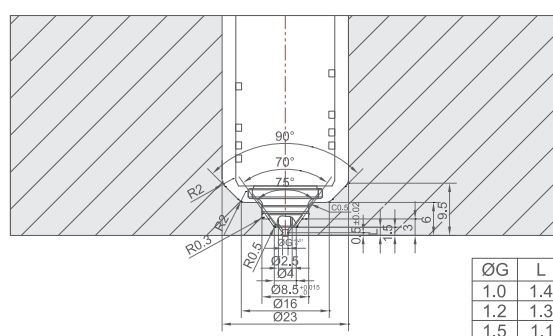
TINA EP

TINA EP 06 VALVE GATE

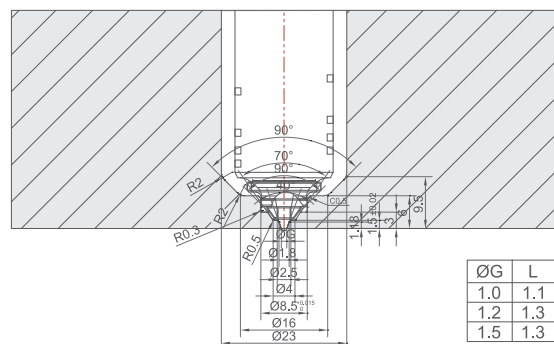
VV



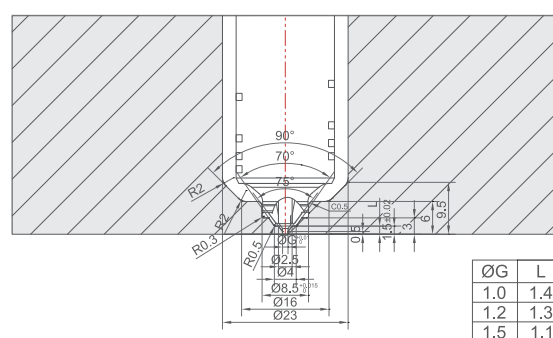
VV (STRAIGHT)



VS

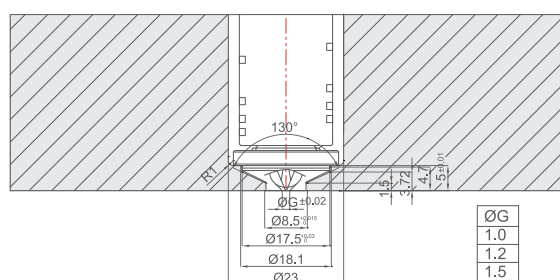


VS (STRAIGHT)



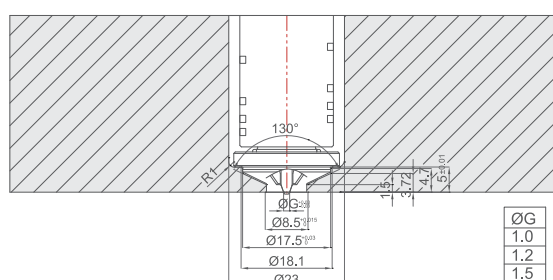
TINA EP 06 OPEN SYSTEM

CA TYPE



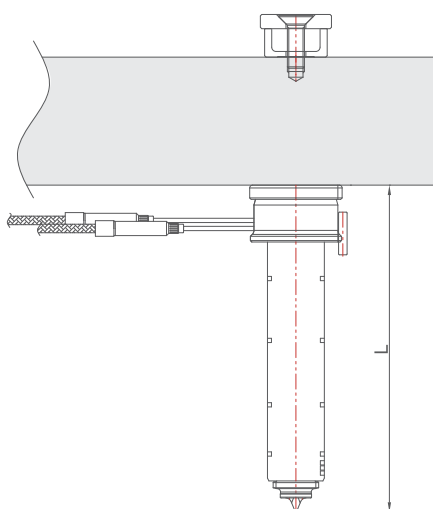
TINA EP 06 VALVE SYSTEM

VA TYPE



TINA EP

TINA EP 08 NOZZLE

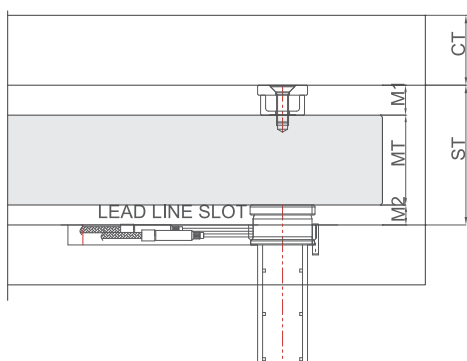


TEP08□□065□□
 IC,CA
 CC,CT,OA,TAC,TLC,TOE,VV

CODE	L	Heater	T/C
TEP08□□ 065□□	065	HTLH18200CN1	NZTP IC[CA]101150
TEP08□□ 075□□	075	HTLH18250CN1	NZTP IC[CA]101150
TEP08□□ 085□□	085	HTLH18250CN1	NZTP IC[CA]101350
TEP08□□ 095□□	095	HTLH18300CN1	NZTP IC[CA]101350
TEP08□□ 105□□	105	HTLH18300CN1	NZTP IC[CA]101550
TEP08□□ 115□□	115	HTLH18300CN1	NZTP IC[CA]101550
TEP08□□ 125□□	125	HTLH18350CN1	NZTP IC[CA]101750
TEP08□□ 135□□	135	HTLH18350CN1	NZTP IC[CA]101750
TEP08□□ 145□□	145	HTLH18350CN1	NZTP IC[CA]101950
TEP08□□ 155□□	155	HTLH18400CN1	NZTP IC[CA]101950
TEP08□□ 165□□	165	HTLH18400CN1	NZTP IC[CA]102150
TEP08□□ 175□□	175	HTLH18400CN1	NZTP IC[CA]102150
TEP08□□ 185□□	185	HTLH18450CN1	NZTP IC[CA]102350
TEP08□□ 195□□	195	HTLH18450CN1	NZTP IC[CA]102350
TEP08□□ 205□□	205	HTLH18450CN1	NZTP IC[CA]102550
TEP08□□ 215□□	215	HTLH18500CN1	NZTP IC[CA]102550
TEP08□□ 225□□	225	HTLH18500CN1	NZTP IC[CA]102750
TEP08□□ 235□□	235	HTLH18500CN1	NZTP IC[CA]102750
TEP08□□ 245□□	245	HTLH18550CN1	NZTP IC[CA]102950
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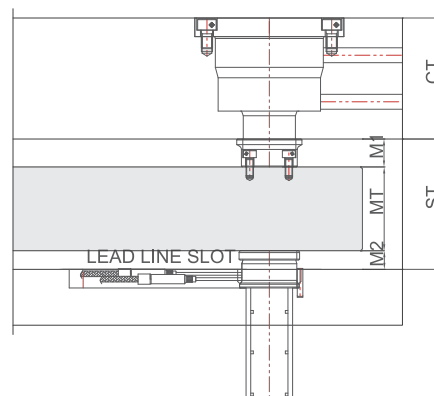
TINA EP

TINA EP 08 OPEN SYSTEM



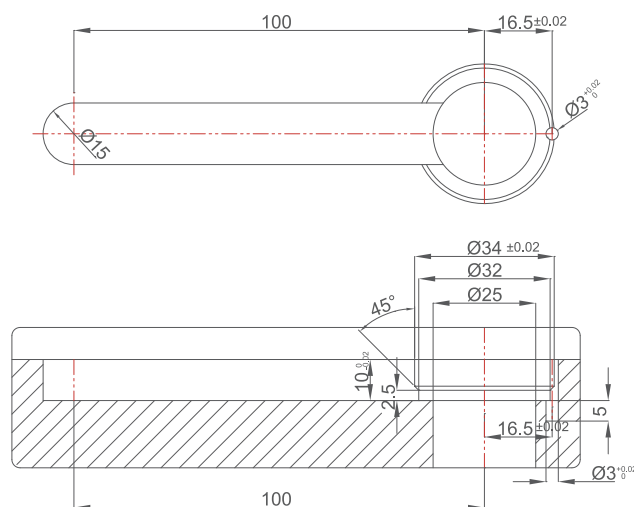
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35	70~	45	15	10

TINA EP 08 VALVE SYSTEM

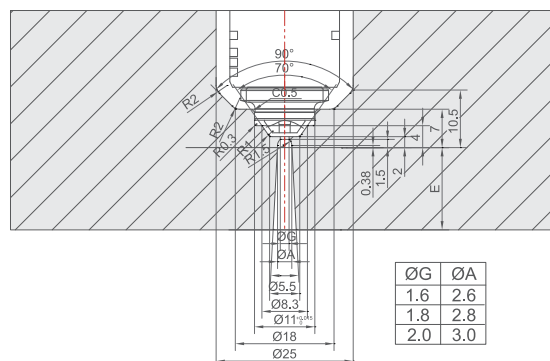


CT[MIN]	ST	MT	M1	M2
65~	70~	45	15	10

TINA EP 08 FLANGE



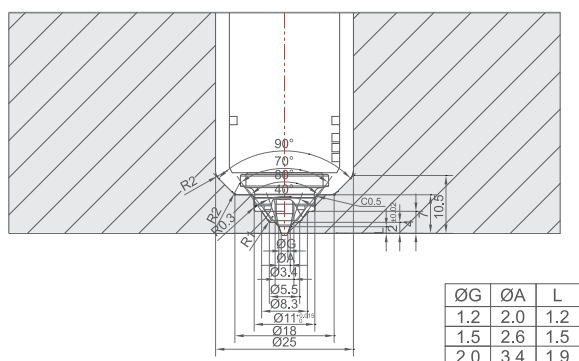
CC



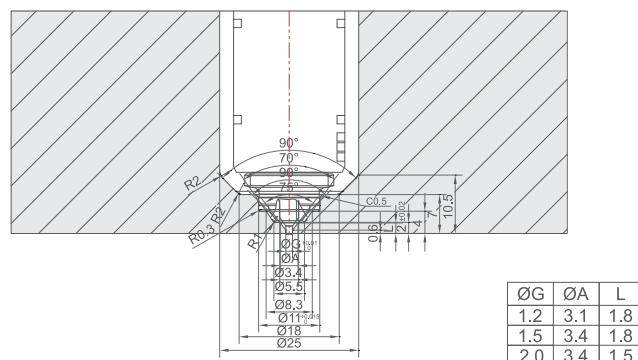
TINA EP

TINA EP 08 VALVE GATE

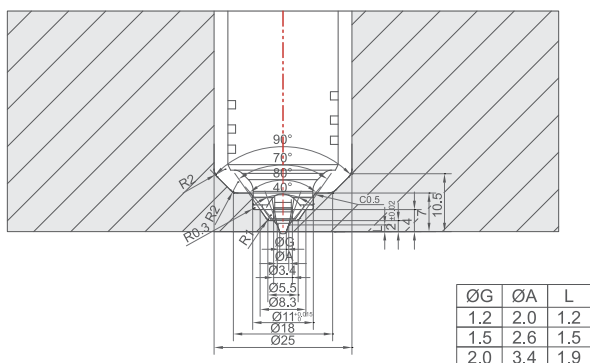
VV



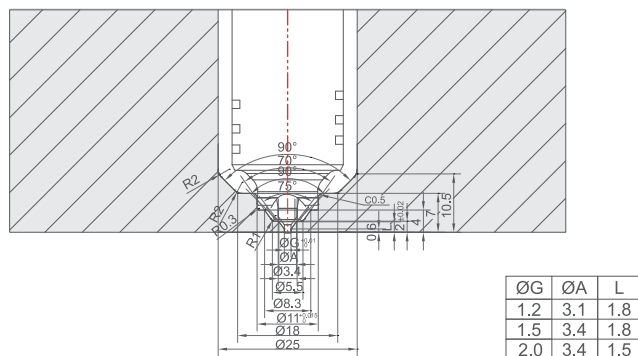
VV (STRAIGHT)



VS

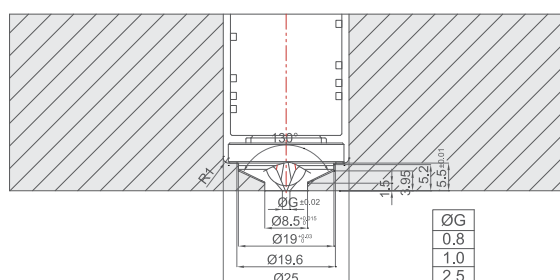


VS (STRAIGHT)



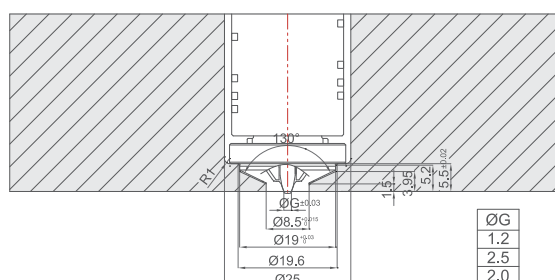
TINA EP 08 OPEN SYSTEM

CA TYPE



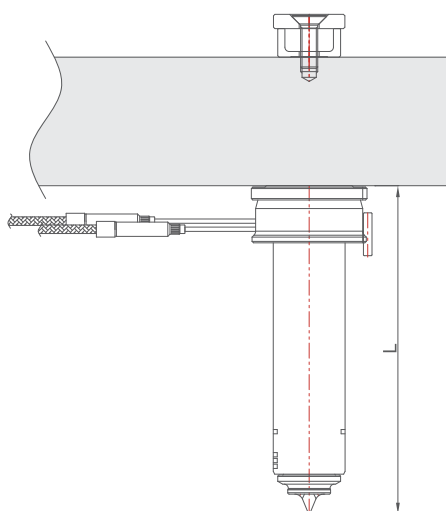
TINA EP 08 VALVE SYSTEM

VA TYPE



TINA EP

TINA EP 10 NOZZLE

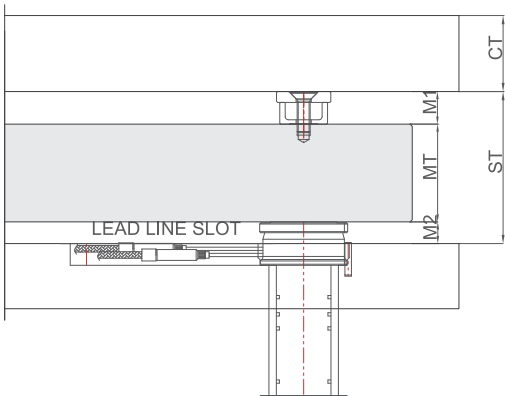


TEP10□□065□□
 IC,CA
 CC,CT,OA,TAC,TLC,TOE,VV

CODE	L	Heater	T/C
TEP10□□065□□	065	HTLH18250CN1	NZTPIC[CA]101150
TEP10□□075□□	075	HTLH18300CN1	NZTPIC[CA]101150
TEP10□□085□□	085	HTLH18300CN1	NZTPIC[CA]101350
TEP10□□095□□	095	HTLH18350CN1	NZTPIC[CA]101350
TEP10□□105□□	105	HTLH18350CN1	NZTPIC[CA]101550
TEP10□□115□□	115	HTLH18400CN1	NZTPIC[CA]101550
TEP10□□125□□	125	HTLH18400CN1	NZTPIC[CA]101750
TEP10□□135□□	135	HTLH18450CN1	NZTPIC[CA]101750
TEP10□□145□□	145	HTLH18450CN1	NZTPIC[CA]101950
TEP10□□155□□	155	HTLH18500CN1	NZTPIC[CA]101950
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TEP10□□235□□	235	HTLH18600CN1	NZTPIC[CA]102750
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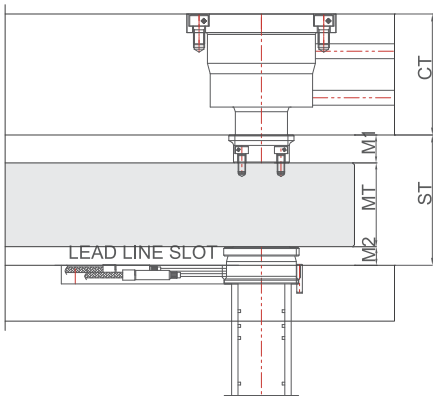
TINA EP

TINA EP 10 OPEN SYSTEM



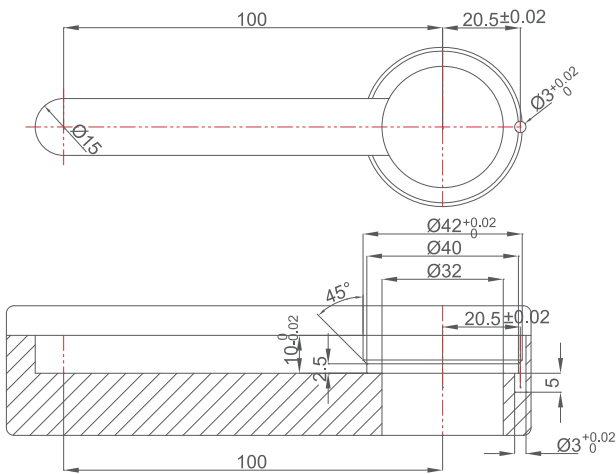
CT[MIN]	ST	MT	M1	M2
35	70~	45	15	10

TINA EP 10 VALVE SYSTEM



CT[MIN]	ST	MT	M1	M2
65~	70~	45	15	10

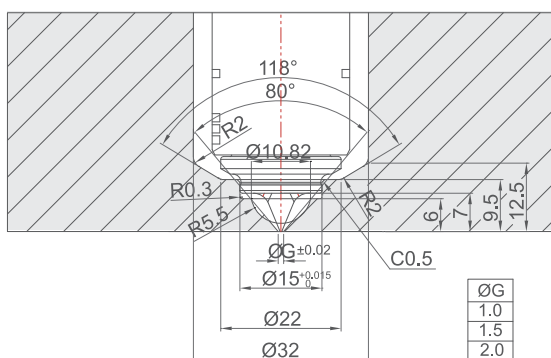
TINA EP 10 FLANGE



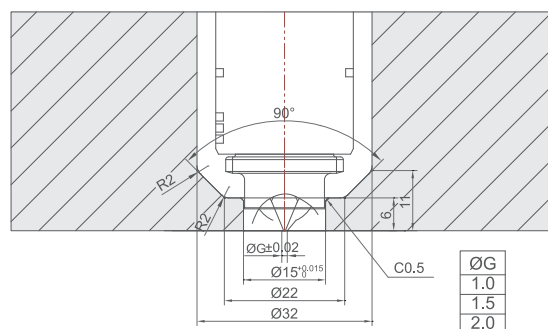
TINA EP

TINA EP 10 OPEN GATE

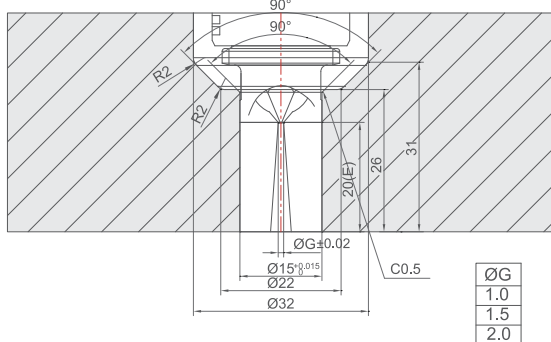
CC



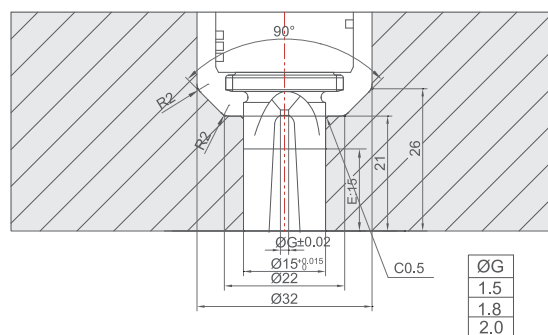
TAC



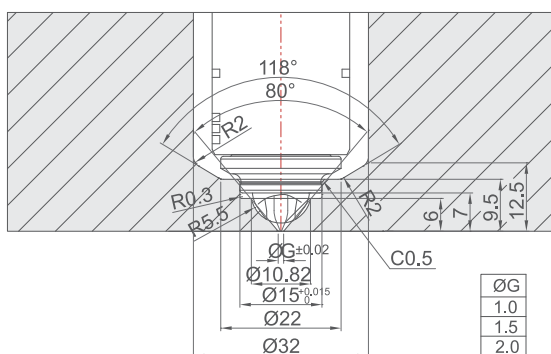
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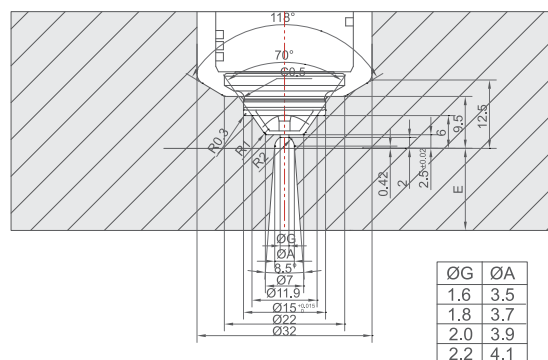
TOE



CT



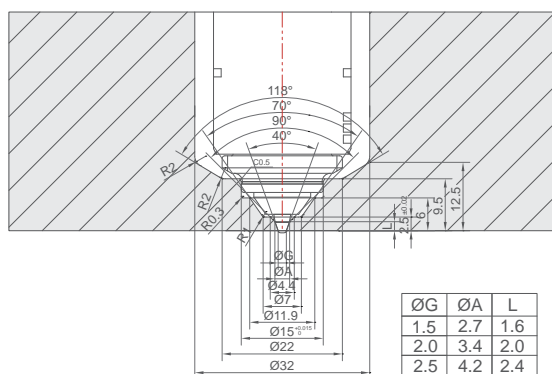
OA



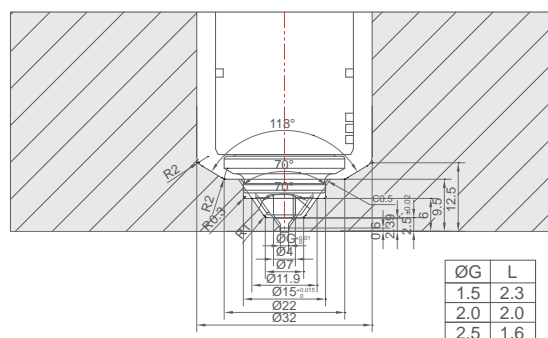
TINA EP

TINA EP 10 VALVE GATE

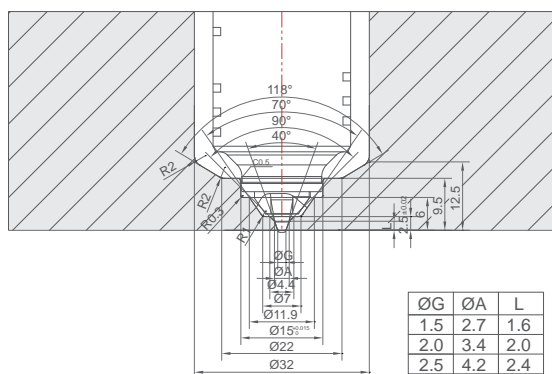
VV



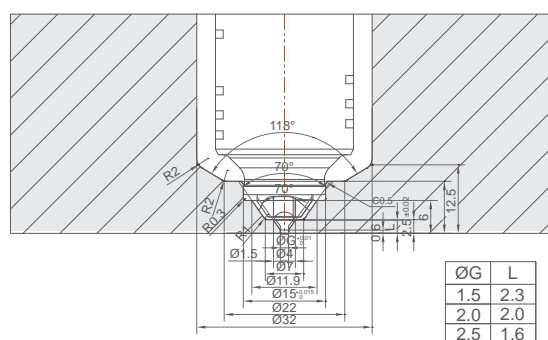
VV (STRAIGHT)



VS

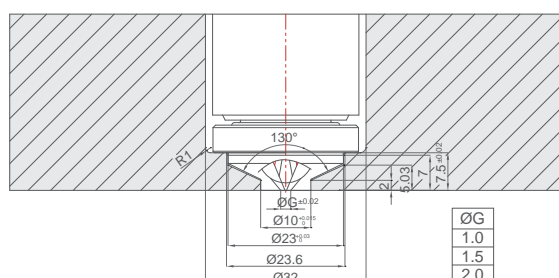


VS (STRAIGHT)



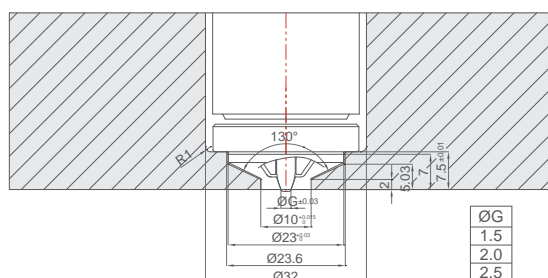
TINA EP 10 OPEN SYSTEM

CA TYPE



TINA EP 10 VALVE SYSTEM

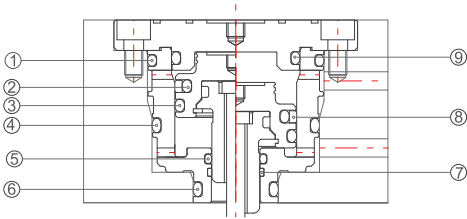
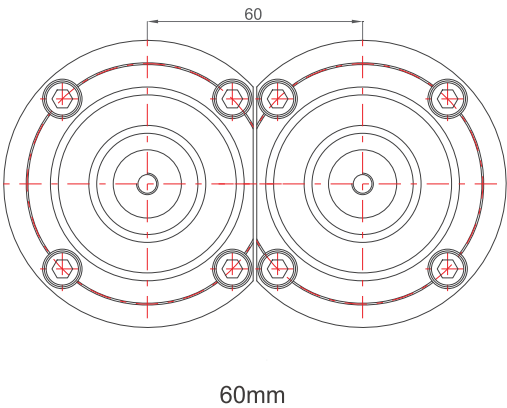
VA TYPE



VC 58 Pneumatic Cylinder

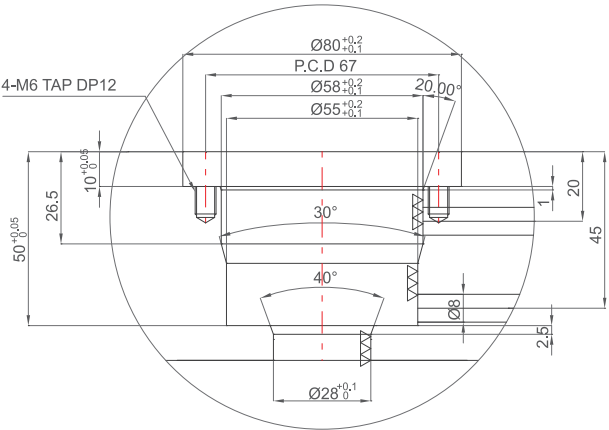
VC 58

Minimum Pitch and O-ring reference



1	ACRRAV352260
2	ACRRAV352160
3	ACRRAV352190
4	ACRRAV252250
5	ACRRAV261140
6	ACRRAV352120
7	ACRIWR241550
8	ACRGSO440400
9	ACRRAV352210

Machining Dimension



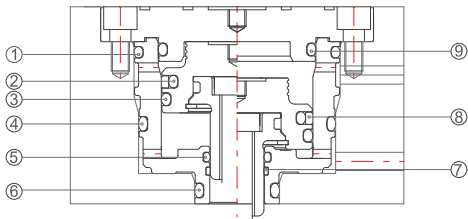
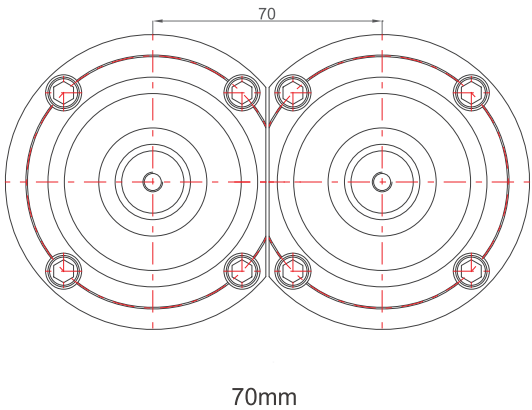
VC58 CYLINDER

Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20 L/min
Reaction Time	0.5s
Pin Stroke	10mm

VC 68 Pneumatic Cylinder

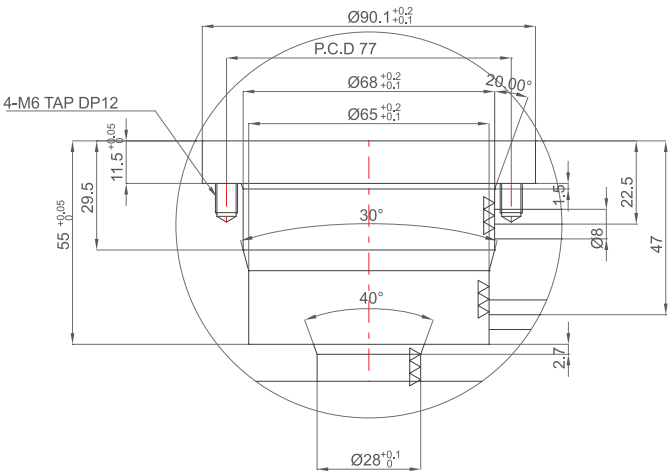
VC 68

Minimum Pitch and O-ring reference



1	ACRRAV352290
2	ACRRAV352220
3	ACRRAV352230
4	ACRRAV352280
5	ACRRAV261150
6	ACRRAV352120
7	ACRIWR241550
8	ACRGSO440500
9	ACRRAV352240

Machining Dimension



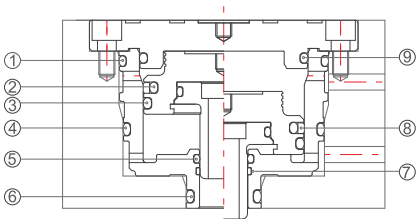
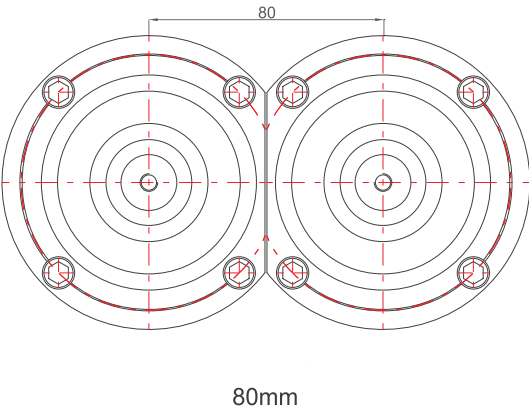
VC68 CYLINDER

Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20 L/min
Reaction Time	0.5s
Pin Stroke	12mm

VC 78 Pneumatic Cylinder

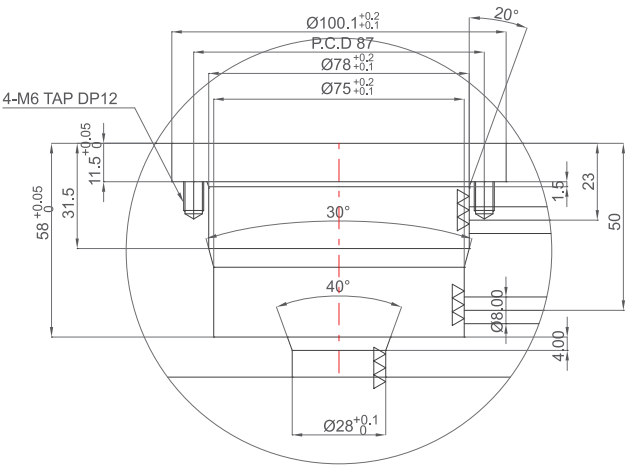
VC 78

Minimum Pitch and O-ring reference



1	ACRRAV352320
2	ACRRAV352250
3	ACRRAV352270
4	ACRRAV352310
5	ACRRAV261150
6	ACRRAV352120
7	ACRIWR241550
8	ACRGSO440600
9	ACRRAV352280

Machining Demension



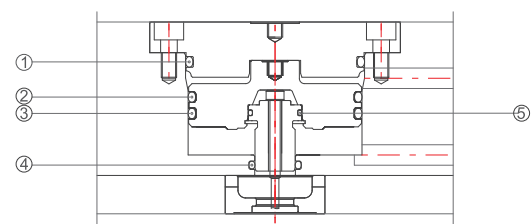
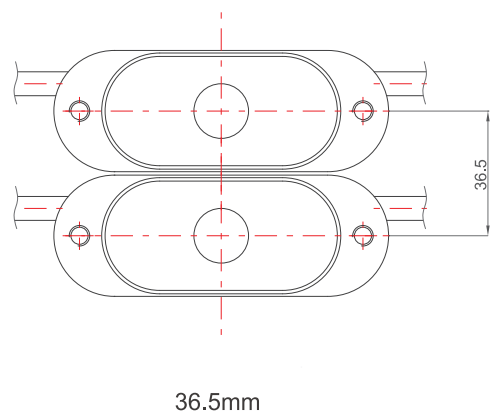
VC78 CYLINDER

Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20 L/min
Reaction Time	0.5s
Pin Stroke	15mm

VEM 50 Pneumatic Cylinder

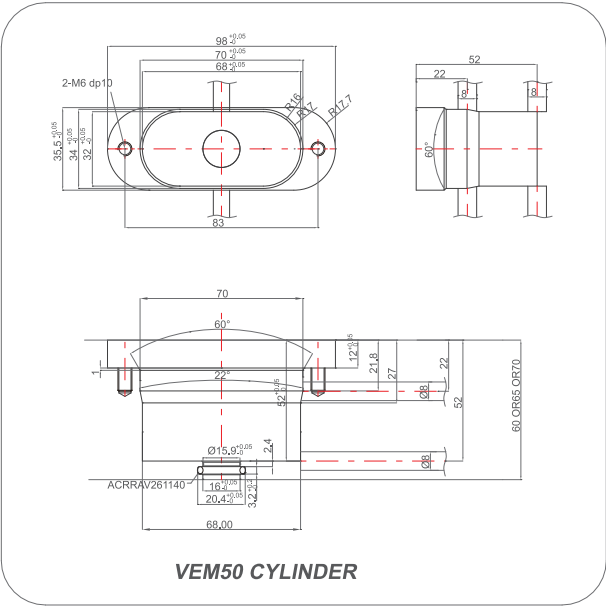
VEM 50

Minimum Pitch and O-ring reference



1	ACRRAV352240
2	ACRRAV352240
3	ACRRAV352240
4	ACRRAV261140
5	ACRRAV170170

Machining Demension

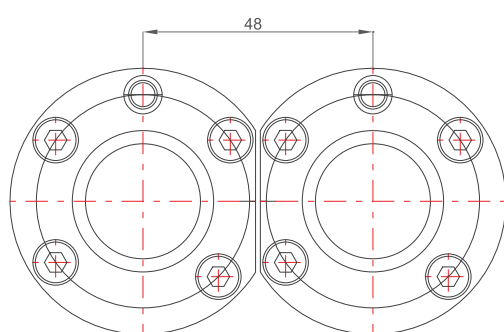


Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20 L/min
Reaction Time	0.5s
Pin Stroke	10mm

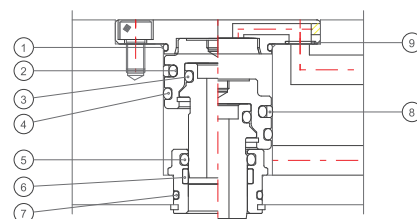
MULTI 29.5 Pneumatic Cylinder

MULTI 29.5

Minimum Pitch and O-ring reference

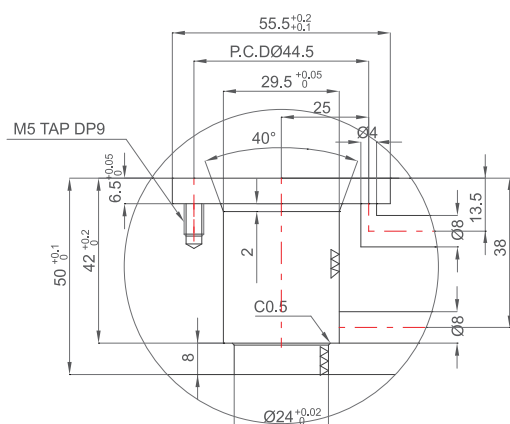


48mm



1	ACRRAV170230
2	ACRRAV261180
3	ACRRAV261120
4	ACRRAV261200
5	ACRRAV261140
6	ACRIWR401550
7	ACRRAV170190
8	ACRGSO440300
9	ACRRAV106000

Machining Demension



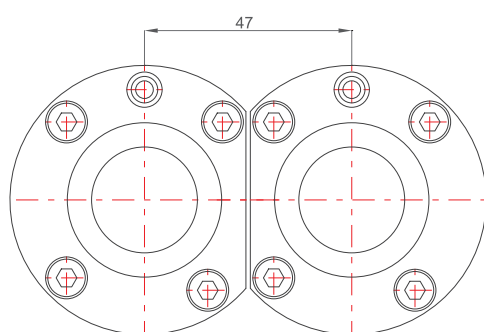
VCM29 CYLINDER

Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20L/min
Reaction Time	0.5s
Pin Stroke	11mm

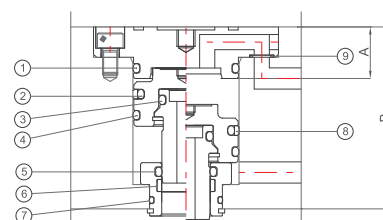
MULTI 35 Pneumatic Cylinder

MULTI 35

Minimum Pitch and O-ring reference

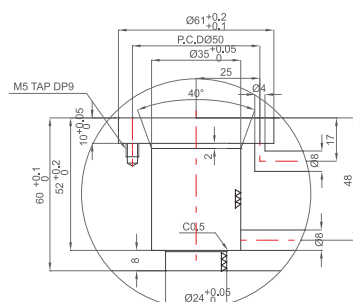


47mm

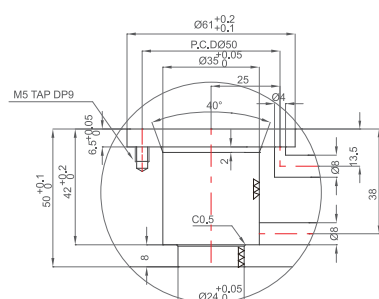


	A=17,B=60	A=9.3,B=50
1	ACRRAV261230	ACRRAV170260
2	ACRRAV261210	
3	ACRRAV261120	
4	ACRRAV261230	
5	ACRRAV261140	
6	ACRIWR401550	
7	ACRRAV170190	
8	ACRGSO440350	
9	ACRRAV106000	

Machining Demension



VCM35 CYLINDER (60T)



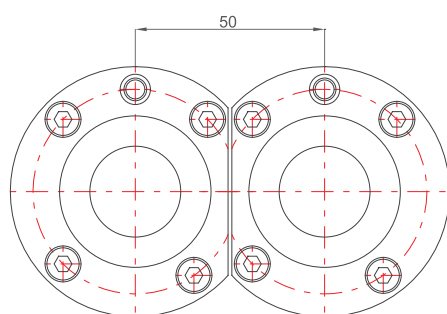
VCM35 CYLINDER (50T)

Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20 L/min
Reaction Time	0.5s
Pin Stroke	10.55/12mm

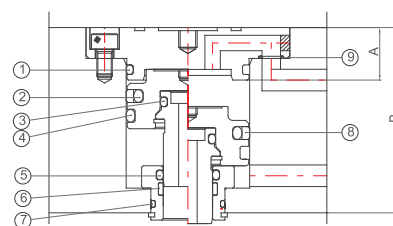
MULTI 40 Pneumatic Cylinder

MULTI 40

Minimum Pitch and O-ring reference

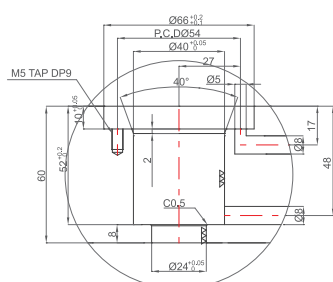


50mm

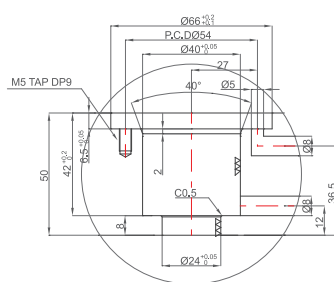


	A=9,B=50	A=17,B=60	A=22,B=65	A=27,B=70
1	ACRRAV170290	ACRRAV261260	ACRRAV352190	ACRRAV352190
2	ACRRAV352160			
3	ACRRAV261120			
4	ACRRAV352190			
5	ACRRAV261140			
6	ACRIWR401550			
7	ACRRAV170190			
8	ACRGSO440400			
9	ACRRAV106000			

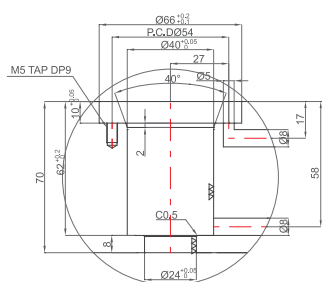
Machining Demension



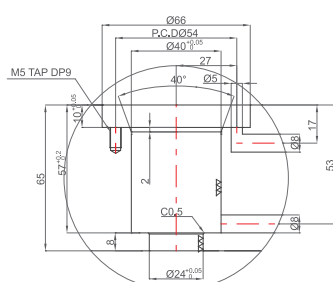
VCM40 CYLINDER (60T)



VCM40 CYLINDER (50T)



VCM40 CYLINDER (70T)



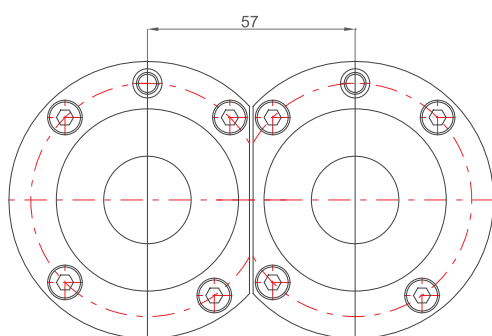
VCM40 CYLINDER (65)

Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20 L/min
Reaction Time	0.5s
Pin Stroke	10.55/12mm

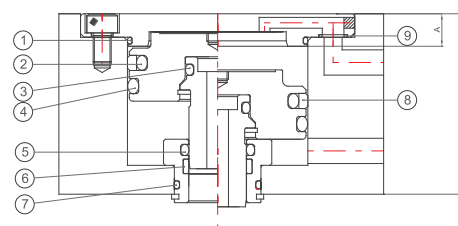
MULTI 50 Pneumatic Cylinder

MULTI 50

Minimum Pitch and O-ring reference

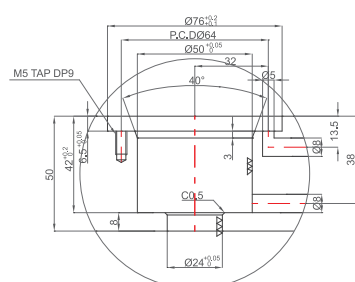


57mm

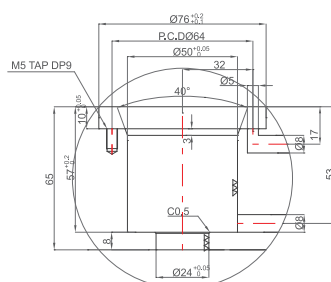


	A=9,B=50	A=22,B=65	A=27,B=70
1	ACRRAV170320	ACRRAV352240	ACRRAV352240
2	ACRRAV352220		
3	ACRRAV261120		
4	ACRRAV352240		
5	ACRRAV261140		
6	ACRIWR401550		
7	ACRRAV170190		
8	ACRGSO440500		
9	ACRRAV106000		

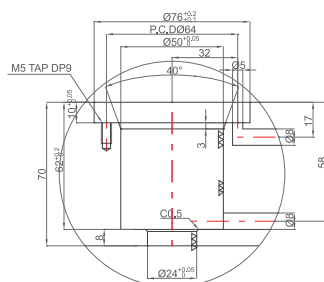
Machining Demension



VCM50 CYLINDER (50T)



VCM50 CYLINDER (65)



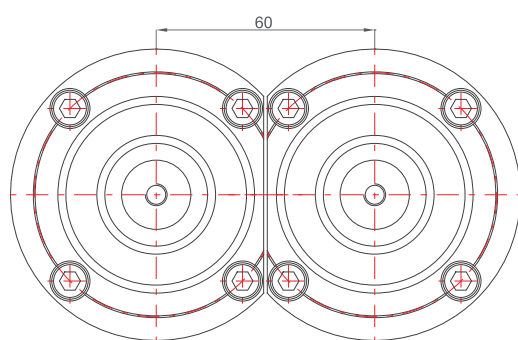
VCM50 CYLINDER (70T)

Reference	
Media	Air
Pressure	8bar~10bar
Velocity	20 L/min
Reaction Time	0.5s
Pin Stroke	10.55/12mm

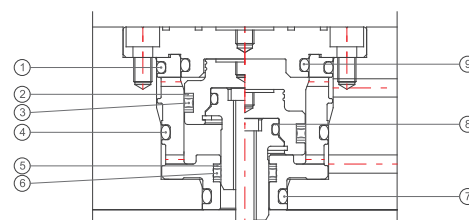
VCH 58 Hydraulic Cylinder

VCH 58

Minimum Pitch and O-ring reference

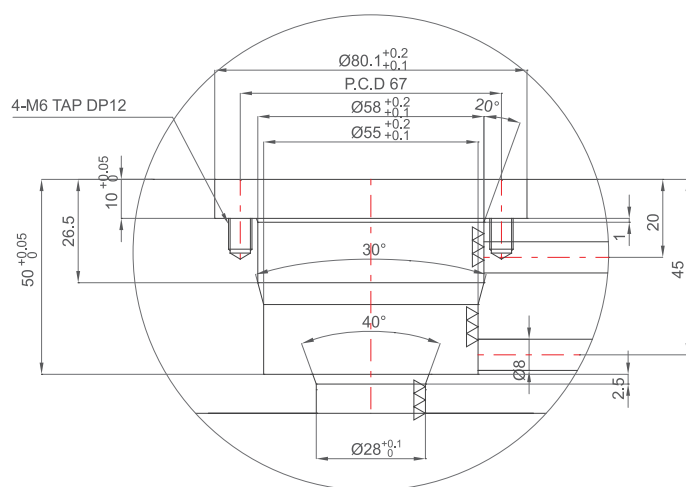


80mm



1	ACRRAV352260
2	BP3200336
3	QRAR04219
4	ACRRAV352250
5	BP2300160
6	QRAR04115
7	ACRRAV352120
8	ACRRAV261150
9	ACRRAV352210

Machining Demension



VCH58 CYLINDER

Reference	
Media	Oil
Pressure	40bar~60bar
Velocity	3 L/min
Reaction Time	0.5s
Pin Stroke	10mm