

Dimensions and ordering codes

Description composition

3/CC/-□□/20/□□-1

Cavity

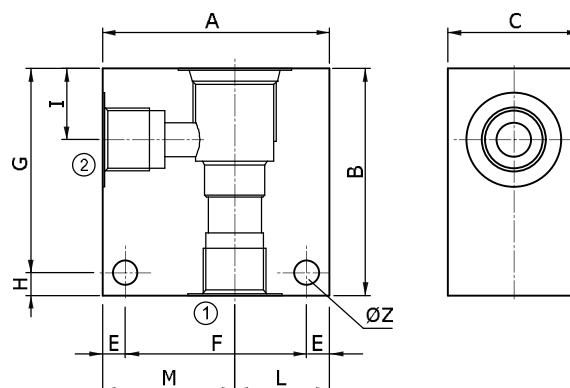
08
10
12
16

Ports

B) G 1/4
C) G 3/8
D) G 1/2
E) G 3/4
F) G 1
J) SAE6
K) SAE8
L) SAE10
M) SAE12
N) SAE16

Materials

1) Aluminium
2) Steel



Material	Max. pressure	
	bar	psi
Aluminium	210	3050
Steel	350	5100

Cavity	Ports	Dimensions											Ordering code		
		A	B	C	E	F	G	H	I	L	M	ØZ	Aluminium	Steel	
SAE 08/2	G 1/4	mm	50	50	30	6	38	44	6	14.8	20	30	6.5	3CC0820B11	3CC0820B21
		in	1.97	1.97	1.18	0.24	1.50	1.73	0.24	0.58	0.79	1.18	0.26		
	G 3/8	mm	50	50	30	6	38	44	6	14.8	20	30	6.5	3CC0820C11	3CC0820C21
		in	1.97	1.97	1.18	0.24	1.50	1.73	0.24	0.58	0.79	1.18	0.26		
	G 1/2	mm	60	60	35	6	48	54	6	18	25	35	6.5	3CC0820D11	/
		in	2.36	2.36	1.38	0.24	1.89	2.16	0.24	0.71	0.98	1.38	0.26		
	SAE6	mm	50	50	30	6	38	44	6	14.8	20	30	6.5	3CC0820J11	3CC0820J21
		in	1.97	1.97	1.18	0.24	1.50	1.73	0.24	0.58	0.79	1.18	0.25		
	SAE8	mm	60	60	30	6	48	54	6	14	25	35	6.5	3CC0820K11	3CC0820K21
		in	2.36	2.36	1.18	0.24	1.89	2.16	0.24	0.55	0.98	1.38	0.25		
SAE 10/2	G 1/4	mm	60	60	35	6	48	54	6	18.8	25	35	6.5	3CC1020B11	3CC1020B21
		in	2.36	2.36	1.38	0.24	1.89	2.12	0.24	0.74	0.98	1.38	0.26		
	G 3/8	mm	60	60	35	6	48	54	6	18.8	25	35	6.5	3CC1020C11	3CC1020C21
		in	2.36	2.36	1.38	0.24	1.89	2.12	0.24	0.74	0.98	1.38	0.26		
	G 1/2	mm	60	60	35	6	48	54	6	18.8	25	35	6.5	3CC1020D11	3CC1020D21
		in	2.36	2.36	1.38	0.24	1.89	2.12	0.24	0.74	0.98	1.38	0.26		
	SAE8	mm	60	70	35	6	48	64	6	18.8	25	35	6.5	3CC1020J11	3CC1020J21
		in	2.36	2.75	1.38	0.24	1.89	2.52	0.24	0.74	0.98	1.38	0.26		
	SAE10	mm	70	70	35	6	58	64	6	18.5	35	35	6.5	3CC1020K11	3CC1020K21
		in	2.75	2.75	1.38	0.24	2.28	2.52	0.24	0.73	1.38	1.38	0.26		
	SAE12	mm	70	70	40	8	54	62	8	22	30	40	8.5	3CC1020L11	3CC1020L21
		in	2.75	2.75	1.57	0.31	2.12	2.44	0.31	0.87	1.18	1.57	0.33		

Dimensions and ordering codes

Cavity	Ports	Dimensions											Ordering code		
		A	B	C	E	F	G	H	I	L	M	ØZ	Aluminium	Steel	
SAE 12/2	G 1/2	mm	70	80	40	8	54	72	8	25	30	40	8.5	3CC1220D11	3CC1220D21
		in	2.75	3.15	1.57	0.31	2.12	2.83	0.31	0.98	1.18	1.57	0.33		
	G 3/4	mm	70	90	40	8	54	82	8	25	30	40	8.5	3CC1220E11	3CC1220E21
		in	2.75	3.54	1.57	0.31	2.12	3.23	0.31	0.98	1.18	1.57	0.33		
	SAE10	mm	70	85	40	8	54	77	8	25	30	40	8.5	3CC1220L11	3CC1220L21
		in	2.75	3.35	1.57	0.31	2.12	3.03	0.31	0.98	1.18	1.57	0.33		
	SAE12	mm	70	85	40	8	54	77	8	25	30	40	8.5	3CC1220M11	3CC1220M21
		in	2.75	3.35	1.57	0.31	2.12	3.03	0.31	0.98	1.18	1.57	0.33		
SAE 16/2	G 1/2	mm	80	90	50	10	60	80	10	25	35	45	10.5	3CC1620D11	3CC1620D21
		in	3.15	3.54	1.97	0.39	2.36	3.15	0.39	0.98	1.38	1.77	0.41		
	G 3/4	mm	80	90	50	10	60	80	10	25	35	45	10.5	3CC1620E11	3CC1620E21
		in	3.15	3.54	1.97	0.39	2.36	3.15	0.39	0.98	1.38	1.77	0.41		
	G 1	mm	85	100	60	10	65	90	10	23.5	40	45	10.5	3CC1620F11	3CC1620F210
		in	3.35	3.94	2.36	0.39	2.56	3.54	0.39	0.92	1.57	1.77	0.41		
	SAE12	mm	80	90	50	10	60	80	10	25	35	45	10.5	3CC1620M11	3CC1620M21
		in	3.15	3.54	1.97	0.39	2.36	3.15	0.39	0.98	1.38	1.77	0.41		
	SAE16	mm	80	100	50	10	60	90	10	25	35	45	10.5	3CC1620N11	3CC1620N21
		in	3.15	3.94	1.97	0.39	2.36	3.54	0.39	0.98	1.38	1.77	0.41		

Dimensions and ordering codes

Description composition

3/CC/-□□/30/□□-1

Cavity

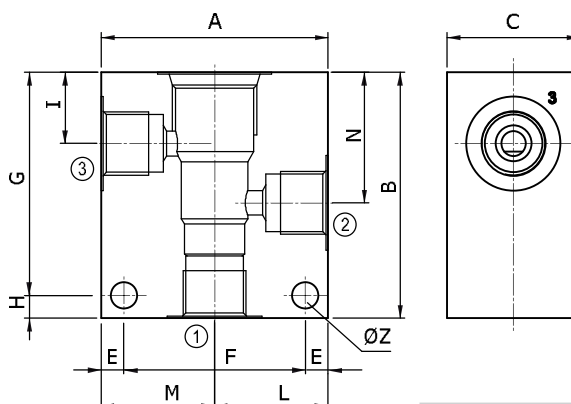
08
10
10Q
12
16
16Q

Ports

B) G 1/4
C) G 3/8
D) G 1/2
E) G 3/4
F) G 1
J) SAE6
K) SAE8
L) SAE10
M) SAE12
N) SAE16

Materials

1) Aluminium
2) Steel



Material	Max. pressure	
	bar	psi
Aluminium	210	3050
Steel	350	5100

Cavity	Ports	Dimensions													Ordering code	
		A	B	C	E	F	G	H	I	L	M	N	ØZ	Aluminium	Steel	
SAE 08/3	G 1/4	mm	60	60	30	7	46	48	12	14.8	30	30	29.1	6.5	3CC0830B11	3CC0830B21
		in	2.36	2.36	1.18	0.27	1.81	1.89	0.47	0.58	1.18	1.18	1.14	0.25		
	G 3/8	mm	60	60	30	7	46	48	12	14.5	30	30	29.1	6.5	3CC0830C11	3CC0830C21
		in	2.36	2.36	1.18	0.27	1.81	1.89	0.47	0.57	1.18	1.18	1.14	0.25		
	G 1/2	mm	70	65	35	7	56	53	12	14.5	35	35	29.1	6.5	3CC0830D11	/
		in	2.75	2.56	1.38	0.27	2.20	2.09	0.47	0.57	1.38	1.38	1.14	0.25		
	SAE6	mm	60	60	30	7	46	48	12	14.5	30	30	29.1	6.5	3CC0830J11	3CC0830J21
		in	2.36	2.36	1.18	0.27	1.81	1.89	0.47	0.57	1.18	1.18	1.14	0.25		
	SAE8	mm	60	60	30	7	46	48	12	15	30	30	29	6.5	3CC0830K11	3CC0830K11
		in	2.36	2.36	1.18	0.27	1.81	1.89	0.47	0.59	1.18	1.18	1.14	0.25		
SAE 08/3C	G 3/8	mm	60	50	30	7	46	40	10	14.5	30	30	22	6.5	3CC0833C11	/
		in	2.36	1.97	1.18	0.27	1.81	1.57	0.39	0.57	1.18	1.18	0.87	0.25		
SAE 10/3	G 1/4	mm	60	65	35	6	48	59	6	18	30	30	34.5	7	3CC1030B11	3CC1030B21
		in	2.36	2.56	1.38	0.24	1.89	2.32	0.24	0.70	1.18	1.18	1.36	0.27		
	G 3/8	mm	60	65	35	6	48	59	6	18.8	30	30	34.5	7	3CC1030C11	3CC1030C21
		in	2.36	2.56	1.38	0.24	1.89	2.32	0.24	0.74	1.18	1.18	1.36	0.27		
	G 1/2	mm	65	70	35	6	53	64	6	18.8	32.5	32.5	34.5	7	3CC1030D11	3CC1030D21
		in	2.56	2.75	1.38	0.24	2.09	2.52	0.24	0.74	1.28	1.28	1.36	0.27		
	SAE6	mm	65	70	35	6	53	64	6	18.8	32.5	32.5	34.5	7	3CC1030J11	3CC1030J21
		in	2.56	2.75	1.38	0.24	2.09	2.52	0.24	0.74	1.28	1.28	1.36	0.27		
	SAE8	mm	65	70	35	6	53	64	6	18.8	32.5	32.5	34.5	7	3CC1030K11	3CC1030K21
		in	2.56	2.75	1.38	0.24	2.09	2.52	0.24	0.74	1.28	1.28	1.36	0.27		
	SAE10	mm	65	70	35	6	53	64	6	18	31.5	33.5	34.5	7	3CC1030L11	3CC1030L21
		in	2.56	2.75	1.38	0.24	2.09	2.52	0.24	0.70	1.24	1.32	1.36	0.27		

Dimensions and ordering codes

Cavity	Ports		Dimensions												Ordering code	
			A	B	C	E	F	G	H	I	L	M	N	ØZ	Aluminium	Steel
SAE 10/3Q	ports 1-2 = G 1/2 port 3 = G 1/4	mm	60	70	35	6	48	64	6	14,8	30	30	31.7	7	/	3CC1032D21
		in	2.36	2.75	1.38	0.24	1.89	2.52	0.24	0.58	1.18	1.18	1.25	0.27		
SAE 12/3	G 1/2	mm	70	100	40	8	54	92	8	25	35	35	53.5	8.5	3CC1230D11	3CC1230D21
		in	2.75	3.94	1.57	0.31	2.12	3.6	0.31	0.98	1.38	1.38	2.10	0.33		
	G 3/4	mm	90	100	50	10	70	90	10	25.1	45	45	53.5	10.5	3CC1230E11	3CC1230E21
		in	3.54	3.94	1.97	0.39	2.75	3.54	0.39	0.99	1.77	1.77	2.11	0.41		
	SAE10	mm	80	100	40	8	64	92	8	25	40	40	53.5	8.5	3CC1230L11	3CC1230L21
		in	3.15	3.94	1.57	0.31	2.52	3.6	0.31	0.98	1.57	1.57	2.11	0.33		
	SAE12	mm	80	100	45	8	64	92	8	25	40	40	53.5	8.5	3CC1230M11	3CC1230M21
		in	3.15	3.94	1.77	0.31	2.52	3.6	0.31	0.98	1.57	1.57	2.11	0.33		
	G 1/2	mm	90	100	50	10	70	90	10	25	45	45	53.5	10.5	3CC1630D11	3CC1630D21
		in	3.54	3.94	1.97	0.39	2.75	3.54	0.39	0.98	1.77	1.77	2.11	0.41		
SAE16/3	G 3/4	mm	90	100	50	10	70	90	10	25.1	45	45	53.5	10.5	3CC1630E11	3CC1630E21
		in	3.54	3.94	1.97	0.39	2.75	3.54	0.39	0.99	1.77	1.77	2.11	0.41		
	G 1	mm	90	105	50	10	70	95	10	25	46	44	53.5	10.5	3CC1630F11	3CC1630F21
		in	3.54	4.13	1.97	0.39	2.75	3.74	0.39	0.98	1.81	1.73	2.11	0.41		
	SAE12	mm	90	105	50	10	70	95	10	25.1	45	45	53.5	10.5	3CC1630M11	3CC1630M21
		in	3.54	4.13	1.97	0.39	2.75	3.74	0.39	0.99	1.77	1.77	2.11	0.41		
	SAE16	mm	90	105	50	10	70	95	10	25.1	45	45	53.5	10.5	3CC1630N11	3CC1630N21
		in	3.54	4.13	1.97	0.39	2.75	3.74	0.39	0.99	1.77	1.77	2.11	0.41		
SAE 16/3Q	ports 1-2 = G 3/4 port 3 = G 1/4	mm	80	85	50	10	60	75	10	17.2	40	40	38.1	10.5	/	3CC1632E21
		in	3.15	3.35	1.97	0.39	2.36	2.95	0.39	0.68	1.57	1.57	1.50	0.41		

Dimensions and ordering codes

Description composition

3/CC/-□□/40/□□-1

Cavity

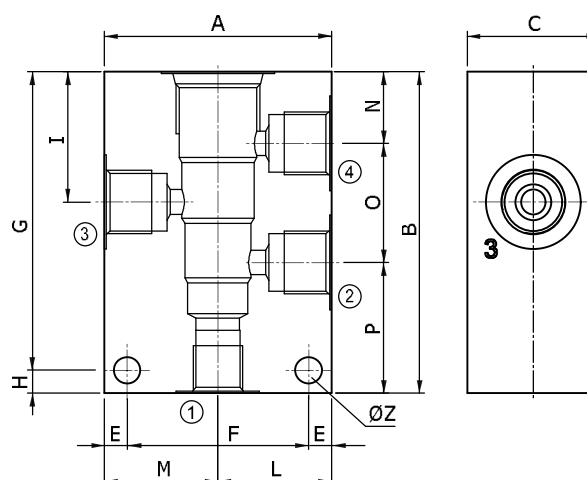
08
10
12
16

Ports

B) G 1/4
C) G 3/8
D) G 1/2
E) G 3/4
F) G 1
J) SAE6
K) SAE8
L) SAE10
M) SAE12
N) SAE16

Materials

1) Aluminium
2) Steel



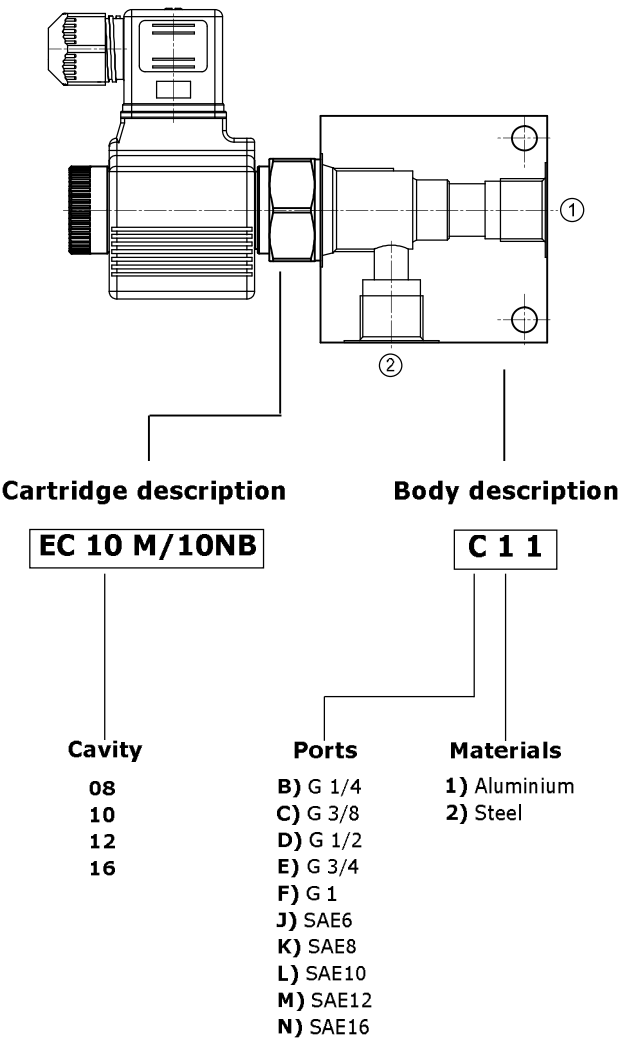
Material	Max. pressure	
	bar	psi
Aluminium	210	3050
Steel	350	5100

Cavity	Ports	Dimensions															Ordering code	
		A	B	C	E	F	G	H	I	L	M	N	O	P	ØZ	Aluminium	Steel	
SAE 08/4	G 1/4	mm	60	75	30	7	46	63	12	29.1	30	30	14.8	29.1	31.1	6.5	3CC0840B11	3CC0840B21
		in	2.36	2.95	1.18	0.27	1.81	2.48	0.47	1.14	1.18	1.18	0.58	1.14	1.22	0.25		
	G 3/8	mm	60	75	30	7	46	63	12	29.1	30	30	14.8	28.6	31.6	6.5	3CC0840C11	3CC0840C21
		in	2.36	2.95	1.18	0.27	1.81	2.48	0.47	1.14	1.18	1.18	0.58	1.13	1.24	0.25		
	SAE6	mm	60	75	30	7	46	63	12	29.1	30	30	14.8	29.1	31.1	6.5	3CC0840J11	3CC0840J21
		in	2.36	2.95	1.18	0.27	1.81	2.48	0.47	1.14	1.18	1.18	0.58	1.14	1.22	0.25		
	SAE8	mm	60	75	30	7	46	63	12	29	30	30	15	28.5	31.5	6.5	3CC0840K11	3CC0840K21
		in	2.36	2.95	1.18	0.27	1.81	2.48	0.47	1.14	1.18	1.18	0.59	1.12	1.24	0.25		
SAE 10/4	G 1/4	mm	60	85	35	6	48	79	6	34.5	30	30	19	31.5	34.5	7	3CC1040B11	3CC1040B21
		in	2.36	3.35	1.38	0.24	1.89	3.11	0.24	1.36	1.18	1.18	0.75	1.24	1.36	0.27		
	G 3/8	mm	60	85	35	6	48	79	6	34.5	30	30	18.8	31.7	34.5	7	3CC1040C11	3CC1040C21
		in	2.36	3.35	1.38	0.24	1.89	3.11	0.24	1.36	1.18	1.18	0.74	1.25	1.36	0.27		
	G 1/2	mm	70	85	35	6	58	79	6	34.5	35	35	18.8	31.7	34.5	7	3CC1040D11	3CC1040D21
		in	2.75	3.35	1.38	0.24	2.28	3.11	0.24	1.36	1.38	1.38	0.74	1.25	1.36	0.27		
	SAE6	mm	60	85	35	6	48	79	6	34.5	30	30	18.8	31.7	34.5	7	3CC1040J11	3CC1040J21
		in	2.36	3.35	1.38	0.24	1.89	3.11	0.24	1.36	1.18	1.18	0.74	1.25	1.36	0.27		
	SAE8	mm	70	85	35	6	58	79	6	34.5	35	35	18.8	31.7	34.5	7	3CC1040K11	3CC1040K21
		in	2.75	3.35	1.38	0.24	2.28	3.11	0.24	1.36	1.38	1.38	0.74	1.25	1.36	0.27		
	SAE10	mm	70	85	35	6	58	79	6	34.5	35	35	19	31.5	34.5	7	3CC1040L11	3CC1040L11
		in	2.75	3.35	1.38	0.24	2.28	3.11	0.24	1.36	1.38	1.38	0.75	1.24	1.36	0.27		

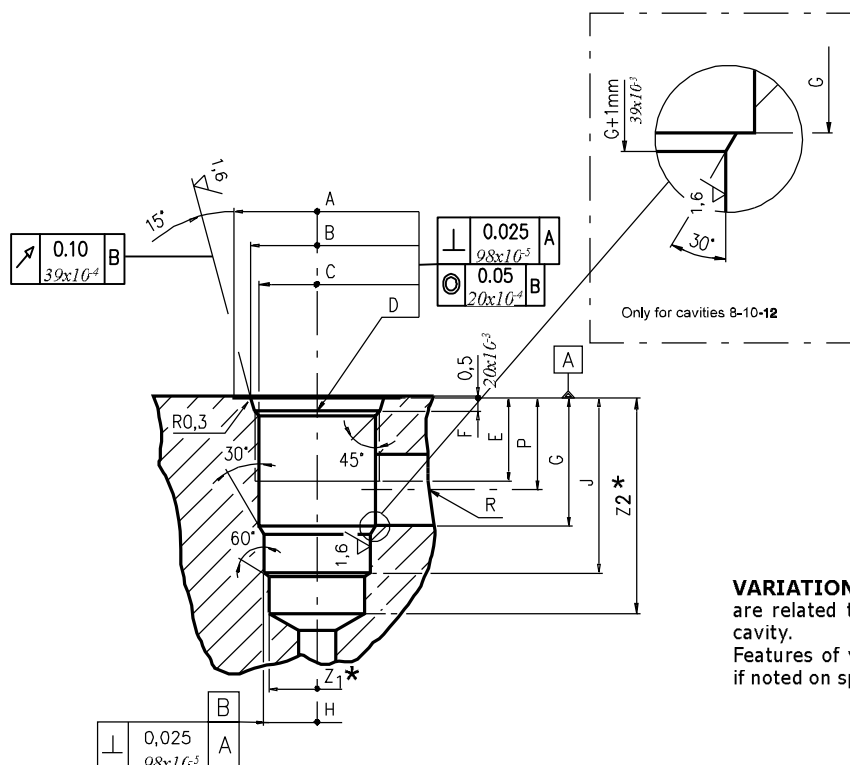
Dimensions and ordering codes

Cavity	Ports	Dimensions															Ordering code	
			A	B	C	E	F	G	H	I	L	M	N	O	P	ØZ	Aluminium	Steel
SAE 12/4	G 3/8	mm	80	115	40	8	64	107	8	44	40	40	22	44.5	48.5	8.5	3CC1240C11	3CC1240C21
		in	3.15	4.53	1.57	0.31	2.52	4.21	0.31	1.73	1.57	1.57	0.87	1.75	1.9	0.33		
	G 1/2	mm	80	115	40	8	64	107	8	44	40	40	22	44.5	48.5	8.5	3CC1240D11	3CC1240D21
		in	3.15	4.53	1.57	0.31	2.52	4.21	0.31	1.73	1.57	1.57	0.87	1.75	1.9	0.33		
	SAE10	mm	80	115	40	8	64	107	8	44	40	40	22	44.5	48.5	8.5	3CC1240L11	3CC1240L21
		in	3.15	4.53	1.57	0.31	2.52	4.21	0.31	1.73	1.57	1.57	0.87	1.75	1.9	0.33		
SAE 16/4	G 3/4	mm	100	130	50	10	80	120	10	53.5	50	50	25.1	56.9	48	10.5	3CC1640E11	3CC1640E21
		in	3.94	5.12	1.97	0.39	3.15	4.72	0.39	2.11	1.97	1.97	0.99	2.24	1.89	0.41		
	SAE16	mm	100	130	50	10	80	120	10	53.5	50	50	25.1	56.9	48	10.5	3CC1640N11	3CC1640N21
		in	3.94	5.12	1.97	0.39	3.15	4.72	0.39	2.11	1.97	1.97	0.99	2.24	1.89	0.41		

How to order valves with body



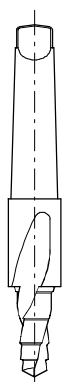
Dimensions



VARIATION "A": the dimensions with "*" are related to the variation "A" of 2 ways cavity. Features of variation "A" are required only if noted on specific product catalogue page.

Cavity	A	B ±0.05	C ±0.05	D	E	F	G	H ±0.02	J	K ±0.02	L	M ±0.02	N	P	R ØMAX	S	T ØMAX	U	V ØMAX	X ØMAX	Z1* ØMIN	Z2* MIN
08/2	mm	27	20.66	17.42											14	8					12	39
08/2 A	in	1.06	0.81	0.68	3/4-16 UNF	0.49	0.10	0.72	0.50	1.16	-	-	-	-	0.55	0.31	-	-	-	-	0.47	1.53
10/2	mm	30	24	20.62											18.3	11					14.5	40
10/2 A	in	1.18	0.94	0.81	7/8-14 UNF	0.63	0.11	0.94	0.62	1.32	-	-	-	-	0.72	0.43	-	-	-	-	0.57	1.57
12/2	mm	38	29.23	24.73											24.5	19					21.5	60
12/2 A	in	1.50	1.15	0.97	1 1/16-12 UNF	0.75	0.14	1.34	0.87	1.84	-	-	-	-	0.96	0.75	-	-	-	-	0.85	2.36
16/2	mm	45	35.6	31.34											24.5	19					25.5	70
16/2 A	in	1.77	1.40	1.23	1 5/16-12 UNF	0.87	0.14	1.34	1.13	1.85	-	-	-	-	0.96	0.75	-	-	-	-	1.00	2.75

Rougher tool



Cavity	Ordering code
08/2	UDPF175030
08/2A	UDPF175030
10/2	UDPF20503F
10/2A	UDAS24003C
12/2	UDAS380031
12/2A	UDPF313031
16/2	
16/2A	

Finisher tool



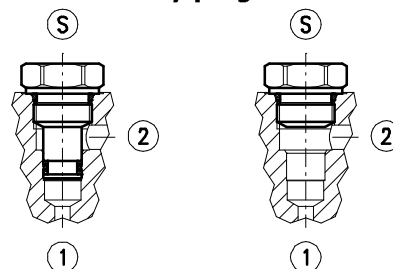
Cavity	Ordering code
08/2	UCAC127066
08/2A	UCAC127060
10/2	UCAC159080
10/2A	UCAC159080
12/2	UDAC222661
12/2A	
16/2	UDAC286261
16/2A	

Tap



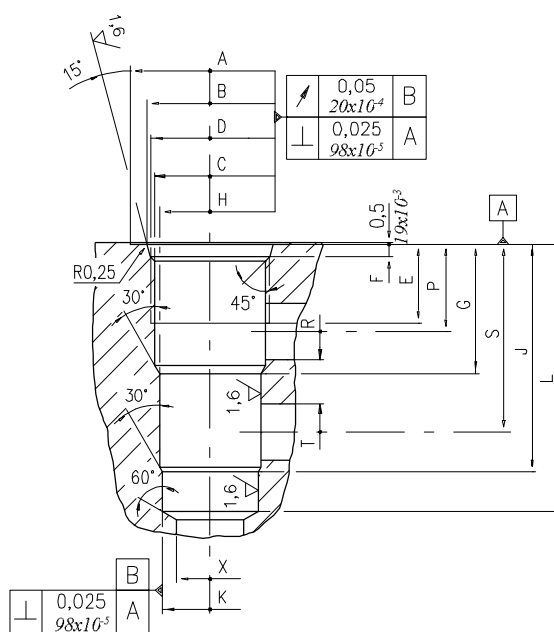
Cavity	Ordering code
08/2	UCMS3/4161
08/2A	UCMS3/4161
10/2	UCMS7/8142
10/2A	UCMS7/8142
12/2	UCMS11/162
12/2A	
16/2	UCMS15/160
16/2A	

Cavity plugs



Cavity	Ordering code	①	②	Ⓢ
08/2	3XTP3533700	X	X	X
08/2A	4TP5531500	0	0	X
10/2	3XTP3544200	X	X	X
10/2A	3XTP1542300	0	0	X
12/2	3XTP3555400	X	X	X
12/2A	3XTP1552900	0	0	X
16/2	3XTP3575500	X	X	X
16/2A	3XTAP838200	0	0	X

X=Close 0=Open



Cavity		A	B ±0,05	C ±0,05	D	E	F	G	H ±0,02	J	K ±0,02	L	M ±0,02	N	P	R oMAX	S	T oMAX	U	V oMAX	X oMAX
08/3	mm	27	20.66	17.42	3/4 -16 UNF	12.5	2.5	19.1	15.90	33.3	14.3	43.3	-	-	14.3	5.5	28.6	5.5	-	-	12.5
	in	1.06	0.81	0.68		0.49	0.10	0.75	0.62	1.31	0.56	1.70			0.56	0.22	1.12	0.22	-	-	0.49
08/3C	mm	27	20.66	17.42	3/4 -16 UNF	10	2.5	14.3	15.9	25.2	14.3	31.5			10.5	5	21.5	5	-	-	12.5
	in	1.06	0.81	0.68		0.39	0.10	0.56	0.62	1.31	0.56	1.70			0.41	0.20	0.85	0.20	-	-	0.49
10/3	mm	30	24	20.62	7/8 -14 UNF	16	2.8	23.1	17.5	39.6	15.9	47.6	-	-	18.3	6.5	34	6.5	-	-	14
	in	1.18	0.94	0.81		0.63	0.11	0.94	0.69	1.56	0.62	1.87			0.72	0.25	1.34	0.25	-	-	0.55
12/3	mm	38	29.23	24.73	1 1/16 -12 UNF	19	3.56	36.6	23.82	63.5	22.25	75.4	-	-	24.5	16	53	16	-	-	19
	in	1.50	1.15	0.97		0.75	0.14	1.44	0.94	2.5	0.88	2.97			0.96	0.63	2.09	0.63	-	-	0.75
16/3	mm	45	35.6	28.62	1 5/16 -12 UNF	22	3.5	36.5	28.62	64.3	27.02	75.3	-	-	24.5	16	53	16	-	-	19
	in	1.77	1.40	1.13		0.87	0.14	1.44	1.13	2.53	1.06	2.96			0.96	0.63	2.09	0.63	-	-	0.75
20/3	mm	58	43.6	36.55	1 5/8 -12 UNF	21	3.5	46	36.55	87.6	33.37	100	-	-	31	25.4	71.5	25.4	-	-	30
	in	2.25	1.71	1.44		0.83	0.14	1.81	1.04	3.45	1.31	3.93			1.22	1	2.81	1	-	-	1.18

Cavity plugs

Rougher tool



Cavity	Ordering code
08/3	UDAS207021
08/3C	UDPF174021
10/3	UDPF20503B
12/3	UDAS380032
16/3	UDAS450032
20/3	UT05X55380

Finisher tool

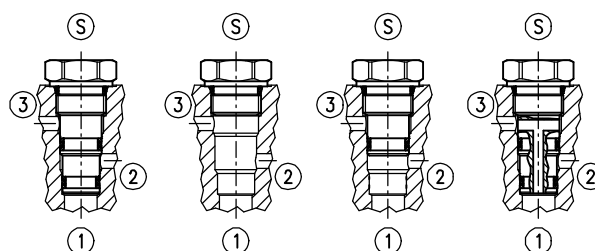


Cavity	Ordering code
08/3	UDAS159064
08/3C	UDAS159063
10/3	UDAC175080
12/3	UDAS238060
16/3	UDAS286261
20/3	UT05X55390

Tap



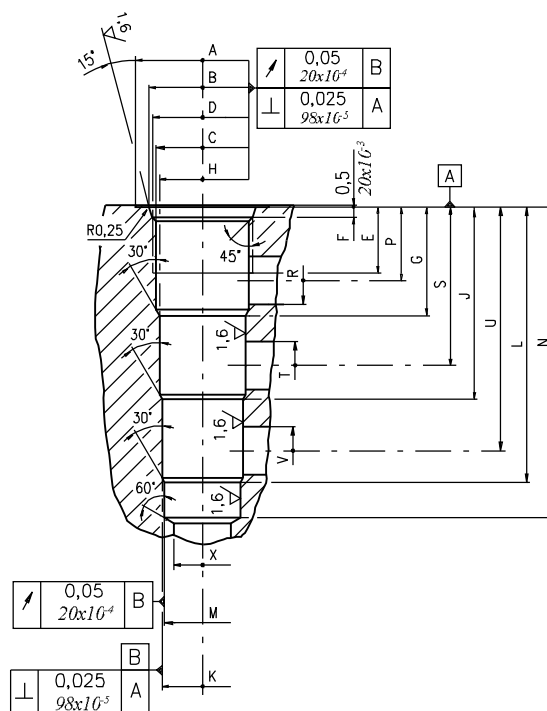
Cavity	Ordering code
08/3	UCMS3/4161
08/3C	UCMS3/4161
10/3	UCMS7/8142
12/3	UCMS11/162
16/3	UCMS15/160
20/3	UCMS15/812



Cavity	Ordering code	①	②	③	④
08/3	XTAP324541	X	X	X	X
	3XTAP822150	0	0	0	X
	XTAP324400	0	0	X	X
	XTAP324540	0	X	0	X
08/3C	XTAP824370	X	X	X	X
	3XTAP822150	0	0	0	X
10/3	3XTP3545700	X	X	X	X
	3XTP1542300	0	0	0	X
	3XTP3545701	0	X	0	X
12/3	3XTP3558200	X	X	X	X
	3XTP1552900	0	0	0	X
	3XTP3558201	0	X	0	X
16/3	3XTP3578400	X	X	X	X
	3XTAP838200	X	0	0	X

X=Close O=Open

Dimensions



Cavity		A	B ±0,05	C ±0,05	D	E	F	G	H ±0,02	J	K ±0,02	L	M ±0,02	N	P	R øMAX	S	T øMAX	U	V øMAX	X øMAX
08/4	mm	28.00	20.66	17.42	3/4-16 UNF	12.5	2.5	19.1	15.9	33.3	14.3	47.6	12.72	57.6	14.3	5.5	28.6	5.5	42.9	5.5	11
	in	1.10	0.81	0.68		0.49	0.10	0.75	0.62	1.31	0.56	1.87	0.50	2.27	0.56	0.22	1.12	0.22	1.69	0.22	0.43
10/4	mm	30	24.00	20.62	7/8-14 UNF	16	2.8	23.6	19.08	39.6	17.5	55.4	15.9	63.5	18.3	6.5	34	6.5	50	6.5	14
	in	1.15	0.94	0.81		0.63	0.11	0.93	0.75	1.56	0.69	2.18	0.62	2.50	0.72	0.26	1.34	0.25	1.97	0.25	0.55
12/4	mm	38	29.23	24.73	1 1/16-12 UNF	19	3.56	29.5	23.82	51.5	22.25	73.6	20.65	83.33	21.5	11	43.5	11	66	11	19
	in	1.50	1.15	0.97		0.75	0.14	1.16	0.94	2.03	0.87	2.90	0.81	3.28	0.85	0.43	1.71	0.43	2.60	0.43	0.75
16/4	mm	45	35.60	31.34	1 5/16-12 UNF	22	3.5	36.5	28.62	64.3	27.02	92.07	25.45	104	24.6	16	53	16	81.5	16	19
	in	1.77	1.40	1.23		0.87	0.14	1.44	1.13	2.53	1.06	3.62	1.00	4.09	0.97	0.63	2.09	0.63	3.21	0.63	0.75

Cavity plugs

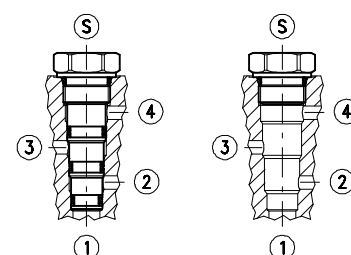
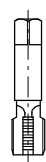
Rougher tool



Finisher tool



Tap



Cavity	Ordering code	①	②	③	④	⑤
08/4	3XTP3536500	X	X	X	X	X
	3XTAP822150	O	O	O	O	X
10/4	3XTP3548301	X	X	X	X	X
	3XTP1542300	O	O	O	O	X
12/4	3XTP3559300	X	X	X	X	X
	3XTP1552900	O	O	O	O	X
16/4	3XTP357B300	X	X	X	X	X
	3XTAP838200	O	O	O	O	X

X=Close O=Open