

INTERNATIONAL fpa SUBPLATE/MANIFOLD REFERENCE



SUBPLATES

IFP PART NUMBER	SIZE/DESCRIPTION
DGSP03N-6	03-NPT 3/8 " NPT BOTTOM PORT
DGSP03N-6E	03-NPT 3/8 " NPT SIDE PORT
DGSP03S-6	03-SAE 3/8 " SAE BOTTOM PORT
DGSP03S-6E	03-SAE 3/8 " SAE SIDE PORT
DGSP03N-8	03-NPT 1/2 " NPT BOTTOM PORT
DGSP03N-8E	03-NPT 1/2 " NPT SIDE PORT
DGSP03S-8	03-SAE 1/2" SAE BOTTOM PORT
DGSP03S-8E	03-SAE 1/2" SAE SIDE PORT
DGSP05N-8	05-NPT 1/2 " NPT BOTTOM PORT
DGSP05N-8E	05-NPT 1/2 " NPT SIDE PORT
DGSP05S-8	05-SAE 1/2 " SAE BOTTOM PORT
DGSP05S-8E	05-SAE 1/2 " SAE SIDE PORT
DGSP05N-12	05-NPT 3/4 " NPT BOTTOM PORT
DGSP05N-12E	05-NPT 3/4 " NPT SIDE PORT
DGSP05S-12	05-SAE 3/4" SAE BOTTOM PORT
DGSP05S-12E	05-SAE 3/4" SAE SIDE PORT
DGSP07N-12	07-NPT 3/4 " NPT BOTTOM PORT
DGSP07N-12E	07-NPT 3/4 " NPT SIDE PORT
DGSP07S-12	07-SAE 3/4 " SAE BOTTOM PORT
DGSP07S-12E	07-SAE 3/4 " SAE SIDE PORT
DGSP07N-16	07-NPT 1 " NPT BOTTOM PORT
DGSP07N-16E	07-NPT 1 " NPT SIDE PORT
DGSP07S-16	07-SAE 1" SAE BOTTOM PORT
DGSP07S-16E	07-SAE 1" SAE SIDE PORT
DGSP08N-12	08-NPT 3/4 " NPT BOTTOM PORT
DGSP08N-12E	08-NPT 3/4 " NPT SIDE PORT
DGSP08S-12	08-SAE 3/4 " SAE BOTTOM PORT
DGSP08S-12E	08-SAE 3/4 " SAE SIDE PORT
DGSP08N-16	08-NPT 1 " NPT BOTTOM PORT
DGSP08N-16E	08-NPT 1 " NPT SIDE PORT
DGSP08S-16	08-SAE 1" SAE BOTTOM PORT
DGSP08S-16E	08-SAE 1" SAE SIDE PORT

MANIFOLD PARALLEL CIRCUIT

IFP PART NUMBER	SIZE/DESCRIPTION
MFB-03-2-10N	03-3/8" NPT 2 STATION PAR.
MFB-03-3-10N	03-3/8" NPT 3 STATION PAR.
MFB-03-4-10N	03-3/8" NPT 4 STATION PAR.
MFB-03-5-10N	03-3/8" NPT 5 STATION PAR.
MFB-03-6-10N	03-3/8" NPT 6 STATION PAR.
MFB-03-2-10S	03-3/8" SAE 2 STATION PAR.
MFB-03-3-10S	03-3/8" SAE 3 STATION PAR.
MFB-03-4-10S	03-3/8" SAE 4 STATION PAR.
MFB-03-5-10S	03-3/8" SAE 5 STATION PAR.
MFB-03-6-10S	03-3/8" SAE 6 STATION PAR.
MFB-05-2-10N	05-1/2" NPT 2 STATION PAR.
MFB-05-3-10N	05-1/2" NPT 3 STATION PAR.
MFB-05-4-10N	05-1/2" NPT 4 STATION PAR.
MFB-05-5-10N	05-1/2" NPT 5 STATION PAR.
MFB-05-6-10N	05-1/2" NPT 6 STATION PAR.
MFB-05-2-10S	05-1/2" SAE 2 STATION PAR.
MFB-05-3-10S	05-1/2" SAE 3 STATION PAR.
MFB-05-4-10S	05-1/2" SAE 4 STATION PAR.
MFB-05-5-10S	05-1/2" SAE 5 STATION PAR.
MFB-05-6-10S	05-1/2" SAE 6 STATION PAR.

MANIFOLD SERIES CIRCUIT

IFP PART NUMBER	SIZE/DESCRIPTION
MFS-03-2-10N	03-3/8" NPT 2 STATION SERIES
MFS-03-3-10N	03-3/8" NPT 3 STATION SERIES
MFS-03-4-10N	03-3/8" NPT 4 STATION SERIES
MFS-03-2-10S	03-3/8" SAE 2 STATION SERIES
MFS-03-3-10S	03-3/8" SAE 3 STATION SERIES
MFS-03-4-10S	03-3/8" SAE 4 STATION SERIES
MFS-05-2-10N	05-1/2" NPT 2 STATION SERIES
MFS-05-3-10N	05-1/2" NPT 3 STATION SERIES
MFS-05-4-10N	05-1/2" NPT 4 STATION SERIES
MFS-05-2-10S	05-1/2" SAE 2 STATION SERIES
MFS-05-3-10S	05-1/2" SAE 3 STATION SERIES
MFS-05-4-10S	05-1/2" SAE 4 STATION SERIES

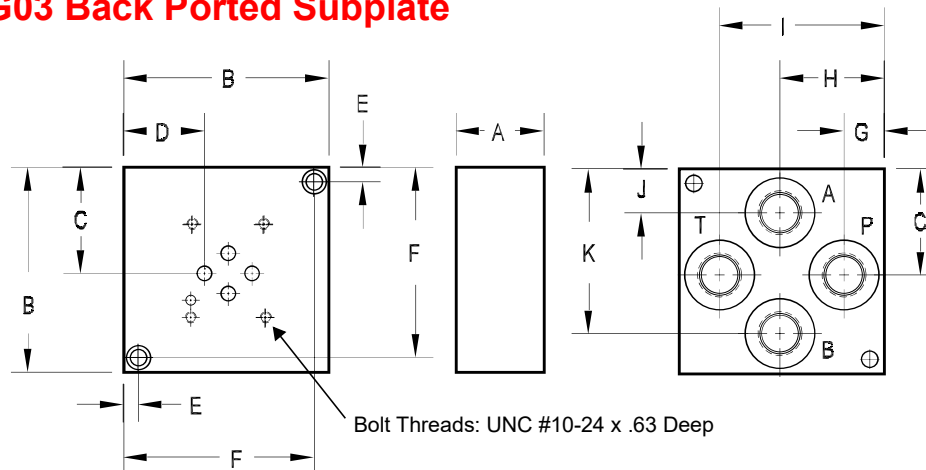
(OPTIONAL METRIC/BSP PORT AVAILABLE)

(OTHER LENGTHS AVAILABLE ON REQUEST)

IFP DGSP03 SUBPLATES



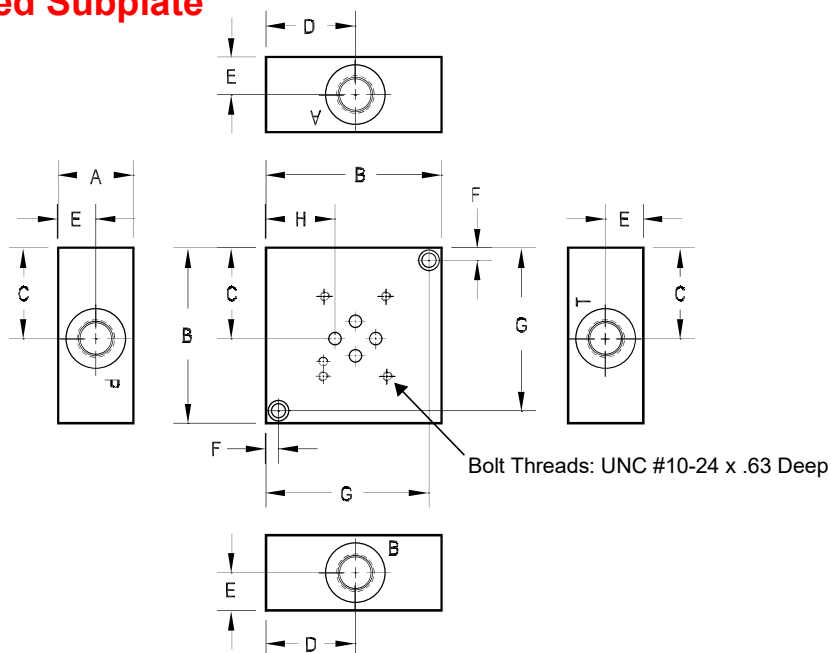
DG03 Back Ported Subplate



Dimensions: Inches(Millimeters) **Material:** Steel

Model	Ports	A	B	C	D	E	F	G	H	I	J	K
DGSP03-N6	3/8 NPTF	1.00	2.50	1.31	.88	.25	2.25	.66	1.28	1.91	.75	1.88
DGSP03-S6	#6 SAE	(25.4)	(63.5)	(33.3)	(22.4)	(6.4)	(57.2)	(16.7)	(32.5)	(48.4)	(19.1)	(47.6)
DGSP03-N8	1/2 NPTF	1.50	3.50	1.81	1.38	.25	3.25	.69	1.78	2.81	.75	2.81
DGSP03-S8	#8 SAE	(38.1)	(88.9)	(46.0)	(34.9)	(6.4)	(82.6)	(17.5)	(45.2)	(71.4)	(19.1)	(71.4)

DG03 Side Ported Subplate



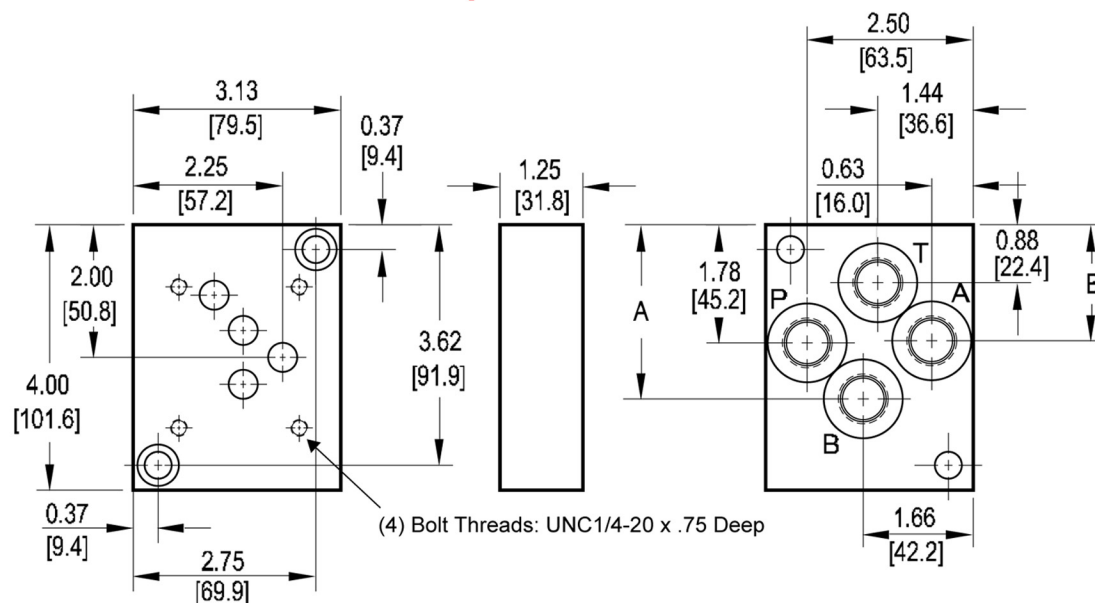
Dimensions: Inches(Millimeters) **Material:** Steel

Model	Ports	A	B	C	D	E	F	G	H
DGSP03-N6E	3/8 NPTF	1.00	2.50	1.31	1.25	.50	.25	2.25	.88
DGSP03-S6E	#6 SAE	(25.4)	(63.5)	(33.3)	(31.8)	(12.7)	(6.4)	(57.2)	(22.4)
DGSP03-N8E	1/2 NPTF	1.50	3.50	1.81	1.78	.75	.25	3.25	1.38
DGSP03-S8E	#8 SAE	(38.1)	(88.9)	(46.0)	(45.2)	(19.1)	(6.4)	(82.6)	(34.9)

IFP DGSP05 SUBPLATES



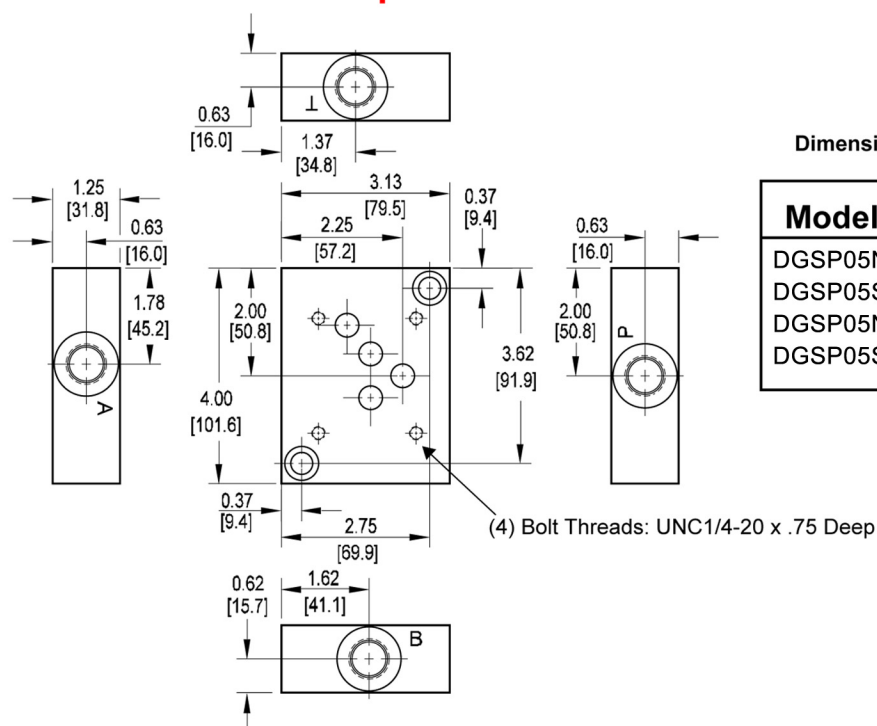
DG05 Back Ported Subplate



Dimensions: Inches(Millimeters) / Material: Steel

Model	Ports	A	B
DGSP05N-8	1/2 NPT	2.63	1.75
DGSP05S-8	#8 SAE	(66.8)	(44.5)
DGSP05N-12	3/4 NPT	2.94	2.00
DGSP05S-12	#12 SAE	(66.8)	(44.5)

DG05 Side Ported Subplate



Dimensions: Inches(Millimeters) / Material: Steel

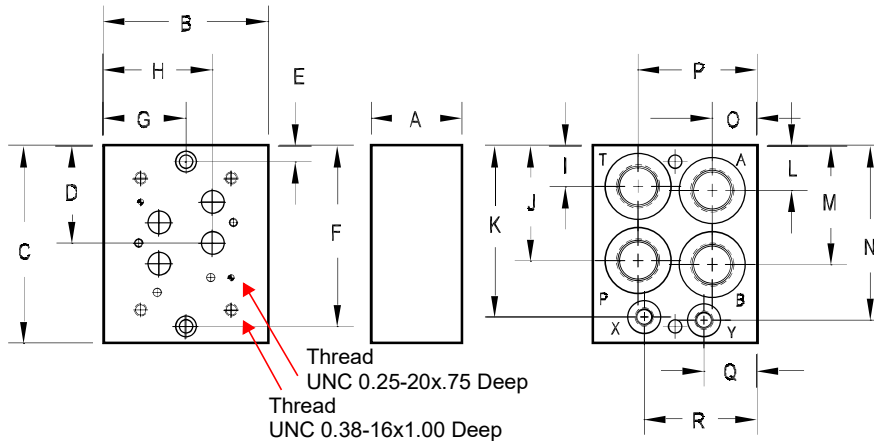
Model	Ports	A	B
DGSP05N-8E	1/2 NPT	2.63	1.75
DGSP05S-8E	#8 SAE	(66.8)	(44.5)
DGSP05N-12E	3/4 NPT	2.63	1.75
DGSP05S-12E	#12 SAE	(66.8)	(44.5)

IFP DGSP07 SUBPLATES



DG07 Back Ported Subplate

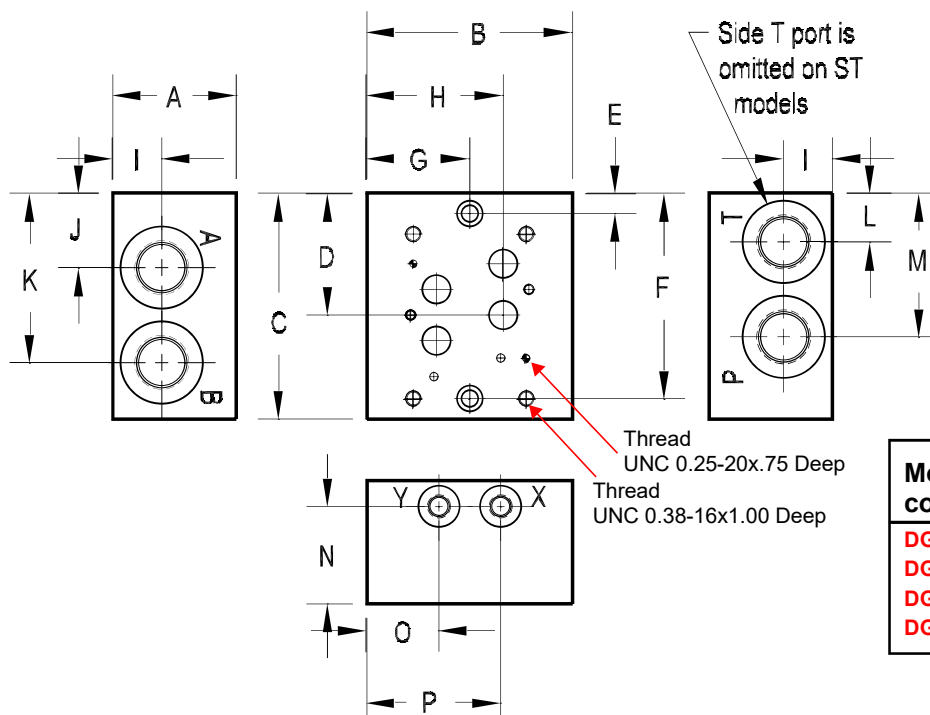
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
DGSP07 S12 DGSP07 N12	1.50 (38.1)	4.00 (101.1)	4.75 (120.7)	2.34 (59.4)	.38 (9.5)	4.38 (111.3)	2.00 (50.8)	2.81 (71.4)	1.09 (27.7)	2.75 (69.9)	4.00 (101.6)	1.19 (30.2)	2.81 (71.4)	4.09 (103.9)	1.12 (28.4)	2.94 (74.7)	1.13 (28.7)	2.94 (74.7)
DGSP07 S16 DGSP07 N16	2.75 (69.9)	5.00 (127.0)	6.00 (152.4)	2.97 (75.4)	.50 (12.7)	5.50 (139.7)	2.50 (63.5)	3.31 (84.2)	1.25 (31.8)	3.50 (88.9)	5.31 (134.9)	1.38 (34.9)	3.63 (92.1)	5.31 (134.9)	1.38 (34.9)	3.63 (92.1)	1.63 (41.3)	3.44 (87.3)



Model code	Ports P,T,A,B	Ports X&Y
DGSP07 S12 DGSP07 N12	-12 SAE 3/4 NPT	-6 SAE 1/4 NPT
DGSP07 S16 DGSP07 N16	-16 SAE 1" NPT	-6 SAE 1/4 NPT

DG07 Side Ported Subplate

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
DGSP07 S12E DGSP07 N12E	1.75 (44.5)	3.75 (95.3)	4.75 (120.7)	2.34 (59.4)	.38 (9.5)	4.38 (111.3)	1.88 (47.8)	2.69 (68.3)	.81 (20.6)	1.50 (38.1)	3.13 (79.5)	1.19 (30.2)	2.78 (70.6)	1.25 (31.8)	1.12 (28.4)	2.62 (66.5)
DGSP07 S16E DGSP07 N16E	3.00 (76.2)	5.00 (127.0)	5.50 (139.7)	2.97 (75.4)	.50 (12.7)	5.00 (127.0)	2.50 (63.5)	3.31 (84.2)	1.19 (30.2)	1.81 (46.0)	4.13 (104.8)	1.19 (30.2)	3.50 (88.9)	2.38 (60.3)	1.75 (44.5)	3.25 (82.6)



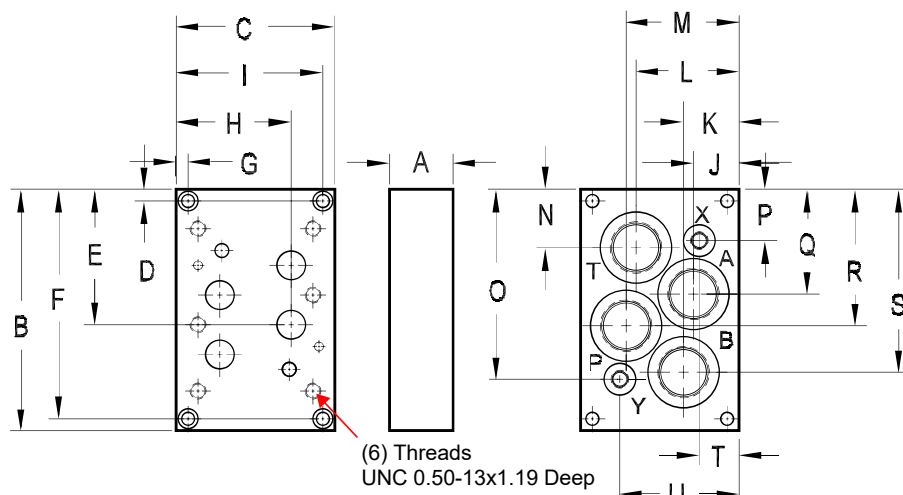
Model code	Ports P,T,A,B	Ports X&Y
DGSP07 S12E DGSP07 N12E	-12 SAE 3/4 NPT	-6 SAE 1/4 NPT
DGSP07 S16E DGSP07 N16E	-16 SAE 1" NPT	-6 SAE 1/4 NPT

IFP DGSP08 SUBPLATES



DG08 Back Ported Subplate

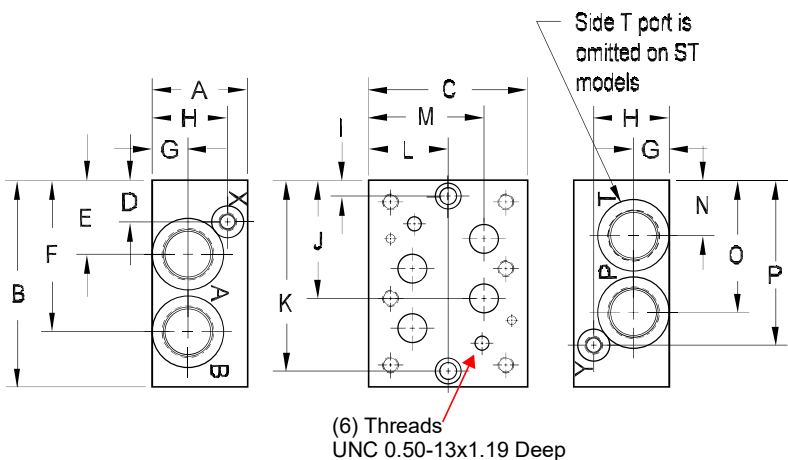
Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
DGSP08 S12	1.50	6.13	4.63	.50	3.53	5.62	2.31	3.44	1.19	1.19	3.44	3.44	1.66	4.94	1.19	2.59	3.53	4.47
DGSP08 N12	(38.1)	(155.7)	(117.6)	(12.7)	(89.7)	(142.7)	(58.7)	(87.4)	(30.2)	(30.2)	(87.4)	(87.4)	(42.2)	(125.5)	(30.2)	(62.7)	(92.9)	(113.5)
DGSP08 S16	1.50	6.13	4.63	.50	3.53	5.62	2.31	3.44	1.19	1.19	3.44	3.44	1.53	5.16	0.97	2.47	3.66	4.59
DGSP08 N16	(38.1)	(155.7)	(117.6)	(12.7)	(89.7)	(142.7)	(58.7)	(87.4)	(30.2)	(30.2)	(87.4)	(87.4)	(38.9)	(131.0)	(30.2)	(65.8)	(92.9)	(116.7)



Model code	Ports P,T,A,B	Ports X&Y
DGSP08 S12	-12 SAE	-6 SAE
DGSP08 N12	3/4 NPT	1/4 NPT
DGSP08 S16	-16 SAE	-6 SAE
DGSP08 N16	1" NPT	1/4 NPT

DG08 Side Ported Subplate

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
DGSP08 S12E	2.00	6.13	4.50	1.19	2.53	4.53	1.00	1.00	.50	3.53	5.62	2.25	3.38	1.56	3.59	4.94
DGSP08 N12E	(50.8)	(155.7)	(114.3)	(30.2)	(64.3)	(115.1)	(25.4)	(25.4)	(12.7)	(89.7)	(142.7)	(57.2)	(85.9)	(39.7)	(91.2)	(125.5)
DGSP08 S16E	2.00	6.13	4.50	1.19	2.53	4.53	1.00	1.00	.50	3.53	5.62	2.25	3.38	1.56	3.59	4.94
DGSP08 N16E	(50.8)	(155.7)	(114.3)	(30.2)	(64.3)	(115.1)	(25.4)	(25.4)	(12.7)	(89.7)	(142.7)	(57.2)	(85.9)	(39.7)	(91.2)	(125.5)



Model code	Ports P,T,A,B	Ports X&Y
DGSP08 S12E	-12 SAE	-6 SAE
DGSP08 N12E	3/4 NPT	1/4 NPT
DGSP08 S16E	-16 SAE	-6 SAE
DGSP08 N16E	1" NPT	1/4 NPT

Technical drawing of a 1913-style .38 S&W caliber revolver, showing three views: side, top, and detail of the cylinder.

Side View: Shows the cylinder with 6 chambers. Dimensions include a total length L , a width of 2.75 inches, and a chamber width of 2.12 inches. The distance between the center of the first and last chambers is $F = (N-1) \times M$, where $M = 1.96$ inches. The distance from the front face to the center of the first chamber is 1.68 inches.

Top View: Shows the cylinder with 6 chambers. Dimensions include a total length L , a width of 2.75 inches, and a chamber width of 2.12 inches. The distance between the center of the first and last chambers is $F = (N-1) \times M$, where $M = 1.96$ inches. The distance from the front face to the center of the first chamber is 1.57 inches.

Detail View: Shows the cylinder with 6 chambers. Dimensions include a total length L , a width of 2.75 inches, and a chamber width of 2.12 inches. The distance between the center of the first and last chambers is $F = (N-1) \times M$, where $M = 1.96$ inches. The distance from the front face to the center of the first chamber is 1.57 inches. The detail view also shows the cylinder with 6 chambers, a length L , and a width of 2.75 inches. The detail view also shows the cylinder with 6 chambers, a length L , and a width of 2.75 inches. The detail view also shows the cylinder with 6 chambers, a length L , and a width of 2.75 inches.

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ONS (inches)

$F = (N - 1) \times M$

$M = 2.91$

L

$.82$

$(L - .70)$

$2 - \varnothing .27, \varnothing .47 \times .41L \text{ Deep}$

1.68

1.87

1.96

2.12

$.92$

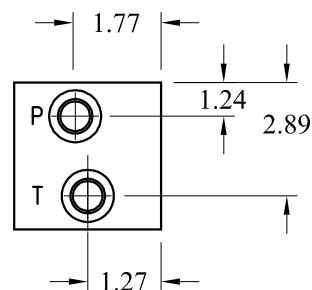
A

B

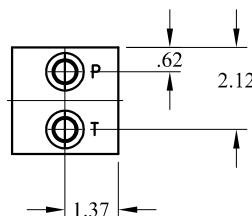
P

T

$4 - M .43$

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DIMENSIONS (inches)
MFS03 SERIES

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