

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

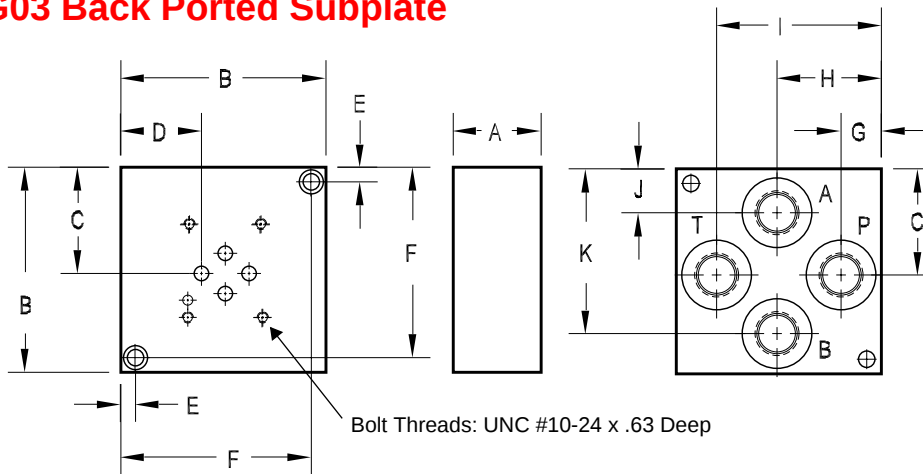
(OPTIONAL METRIC/BSP PORT AVAILABLE)

(OTHER LENGTHS AVAILABLE ON REQUEST)

IFP DGSP03 SUBPLATES



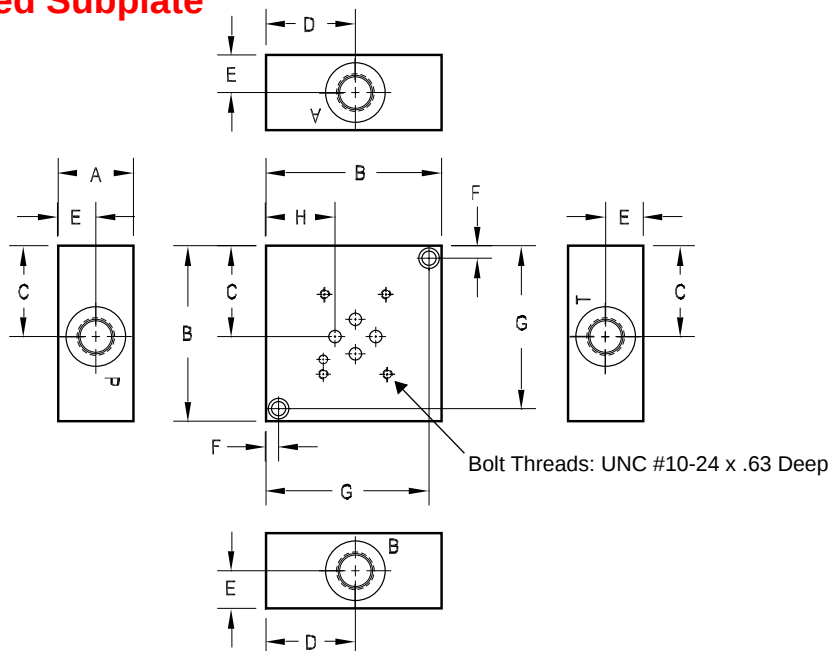
DG03 Back Ported Subplate



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)

Technical drawing of a mechanical assembly showing three views: front, side, and top. The drawing includes dimensions in inches and millimeters.

Front View Dimensions:

- Overall width: 3.13 [79.5]
- Distance from left edge to center of bolt hole: 2.25 [57.2]
- Distance from top edge to center of bolt hole: 2.00 [50.8]
- Overall height: 4.00 [101.6]
- Distance from bottom edge to center of bolt hole: 3.62 [91.9]
- Distance from left edge to center of bolt hole: 2.75 [69.9]
- Distance from right edge to center of bolt hole: 0.37 [9.4]

Side View Dimensions:

- Overall width: 1.25 [31.8]

Top View Dimensions:

- Overall width: 2.50 [63.5]
- Distance from left edge to center of bolt hole: 1.44 [36.6]
- Distance from top edge to center of bolt hole: 0.63 [16.0]
- Distance from bottom edge to center of bolt hole: 1.78 [45.2]
- Distance from right edge to center of bolt hole: 0.88 [22.4]
- Distance from left edge to center of bolt hole: 1.66 [42.2]

Notes:

- (4) Bolt Threads: UNC1/4-20 x .75 Deep

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

Technical drawing of a 4-bolt flange. The drawing includes a top view, a front view, and a side view. Dimensions are provided in inches and millimeters.

Top View Dimensions:

- Overall Width: 1.25 [31.8]
- Overall Height: 1.78 [45.2]
- Distance from Center to Edge: 0.63 [16.0]
- Distance from Center to Bolt Center: 2.25 [57.2]
- Distance from Center to Bolt Center (Horizontal): 3.13 [79.5]
- Distance from Center to Bolt Center (Vertical): 2.00 [50.8]
- Distance from Center to Bolt Center (Diagonal): 3.62 [91.9]
- Distance from Center to Bolt Center (Horizontal): 2.75 [69.9]
- Distance from Center to Bolt Center (Vertical): 2.00 [50.8]
- Distance from Center to Bolt Center (Diagonal): 3.62 [91.9]
- Distance from Center to Bolt Center (Horizontal): 2.75 [69.9]
- Distance from Center to Bolt Center (Vertical): 2.00 [50.8]
- Distance from Center to Bolt Center (Diagonal): 3.62 [91.9]

Front View Dimensions:

- Overall Width: 1.25 [31.8]
- Overall Height: 1.78 [45.2]
- Distance from Center to Edge: 0.63 [16.0]
- Distance from Center to Bolt Center: 2.25 [57.2]
- Distance from Center to Bolt Center (Horizontal): 3.13 [79.5]
- Distance from Center to Bolt Center (Vertical): 2.00 [50.8]
- Distance from Center to Bolt Center (Diagonal): 3.62 [91.9]
- Distance from Center to Bolt Center (Horizontal): 2.75 [69.9]
- Distance from Center to Bolt Center (Vertical): 2.00 [50.8]
- Distance from Center to Bolt Center (Diagonal): 3.62 [91.9]

Side View Dimensions:

- Overall Width: 1.25 [31.8]
- Overall Height: 1.78 [45.2]
- Distance from Center to Edge: 0.63 [16.0]
- Distance from Center to Bolt Center: 2.25 [57.2]
- Distance from Center to Bolt Center (Horizontal): 3.13 [79.5]
- Distance from Center to Bolt Center (Vertical): 2.00 [50.8]
- Distance from Center to Bolt Center (Diagonal): 3.62 [91.9]
- Distance from Center to Bolt Center (Horizontal): 2.75 [69.9]
- Distance from Center to Bolt Center (Vertical): 2.00 [50.8]
- Distance from Center to Bolt Center (Diagonal): 3.62 [91.9]

Notes:

- (4) Bolt Threads: UNC1/4-20 x .75 Deep

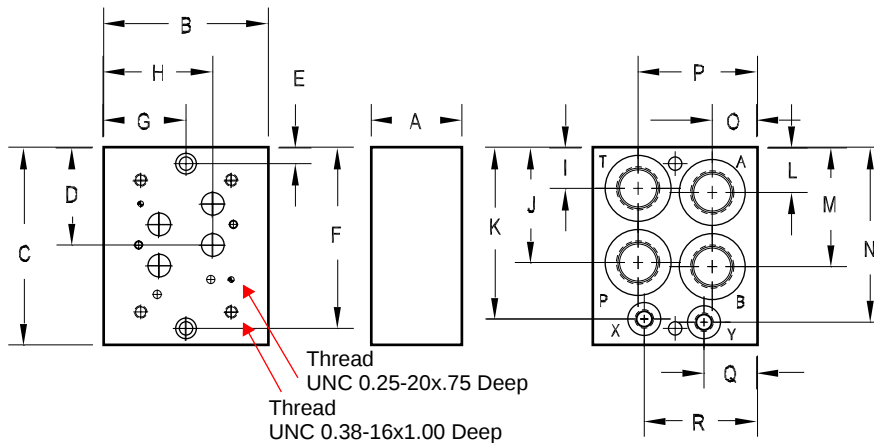
Model	Ports	A	B
DGSP05N-8E	1/2 NPTF	2.63	1.75
DGSP05S-8E	#8 SAE	(66.8)	(44.5)
DGSP05S-12E	3/4 NPTF	2.63	1.75
DGSP05N-12E	#12 SAE	(66.8)	(44.5)

IFP DGSP07 SUBPLATES



DG07 Back Ported Subplate

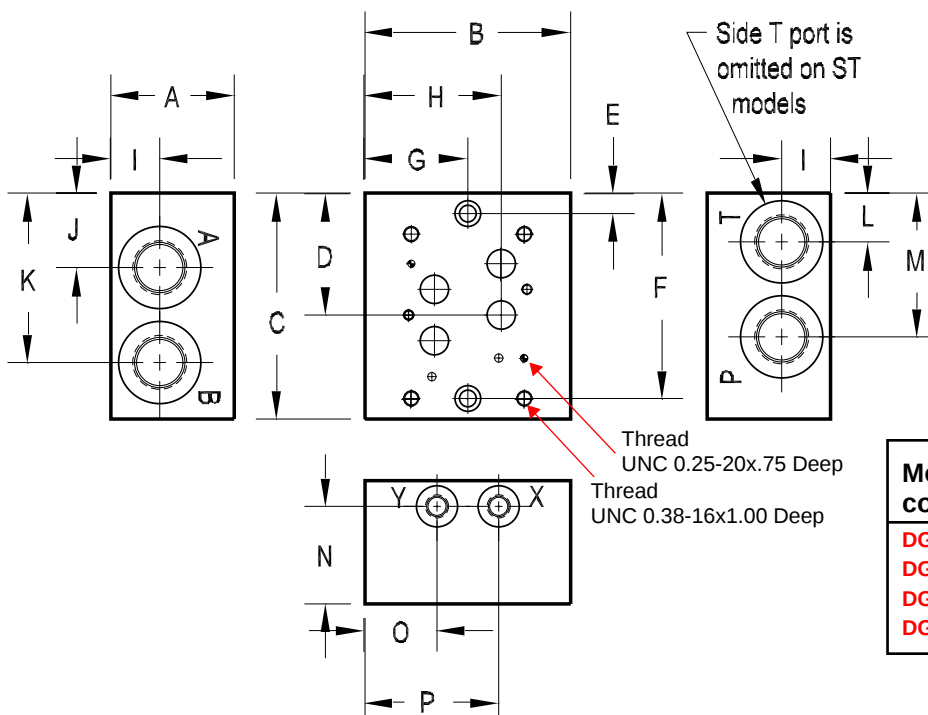
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
DGSP07 S12 DGSP07 N12	1.50 (38.1)	4.00 (101.1)	4.75 (120.7)	2.34 (59.4)	.38 (9.5)	4.38 (111.3)	2.00 (50.8)	2.81 (71.4)	1.09 (27.7)	2.75 (69.9)	4.00 (101.6)	1.19 (30.2)	2.81 (71.4)	4.09 (103.9)	1.12 (28.4)	2.94 (74.7)	1.13 (28.7)	2.94 (74.7)
DGSP07 S16 DGSP07 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)



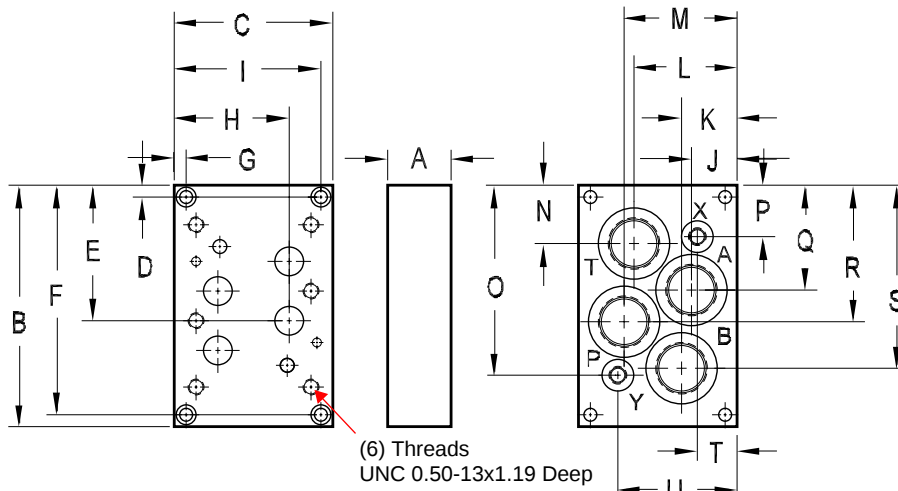
Model code	Ports P,T,A,B	Ports X&Y
DGSP07 S12E DGSP07 N12E	-12 SAE 3/4 NPT	-6 SAE 1/4 NPT
DGSP07 S16E DGSP07 N16E	-16 SAE 1" NPT	-6 SAE 1/4 NPT

IFP DGSP08 SUBPLATES



DG08 Back Ported Subplate

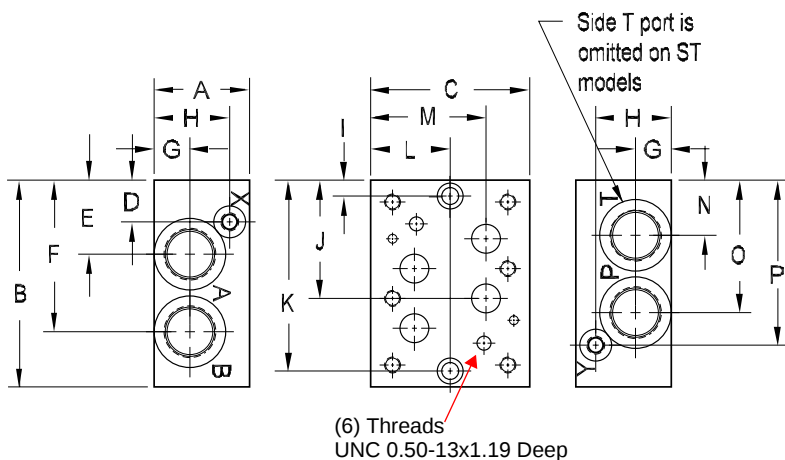
Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
DGSP08 S12	1.50	6.13	4.63	.50	3.53	5.62	2.31	3.44	1.19	1.19	3.44	3.44	1.66	4.94	1.19	2.59	3.53	4.47
DGSP08 N12	(38.1)	(155.7)	(117.6)	(12.7)	(89.7)	(142.7)	(58.7)	(87.4)	(30.2)	(30.2)	(87.4)	(87.4)	(42.2)	(125.5)	(30.2)	(62.7)	(92.9)	(113.5)
DGSP08 S16	1.50	6.13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

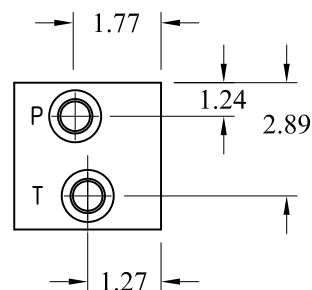
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Technical drawing of a 4-M 43 plate, showing dimensions in inches.

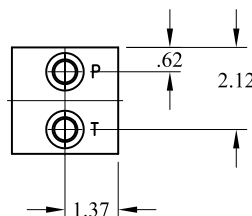
Front View (Left): Shows a rectangular plate with a total length L and a width of 3.62. The plate has two circular holes, labeled A and B, spaced 1.96 apart. The distance from the center of hole A to the left edge is 1.68. The total length L is defined by the formula $F=(N-1) \times M$, where $M=2.91$.

Side View (Top): Shows the plate with a thickness of .82. The holes A and B are shown in cross-section. The distance from the center of hole A to the front edge is 1.68. The total length L is defined by the formula $F=(N-1) \times M$, where $M=2.91$.

Detail View (Right): Shows a close-up of the plate with a total length L and a width of 2.12. The plate has two circular holes, labeled A and B, spaced 1.96 apart. The distance from the center of hole A to the left edge is 1.68. The total length L is defined by the formula $F=(N-1) \times M$, where $M=2.91$. The plate has a thickness of .82. The distance from the center of hole A to the front edge is 1.68. The total length L is defined by the formula $F=(N-1) \times M$, where $M=2.91$.

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DIMENSIONS (inches)
MFS03 SERIES

[illegible][illegible]