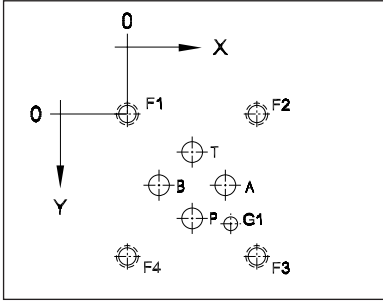


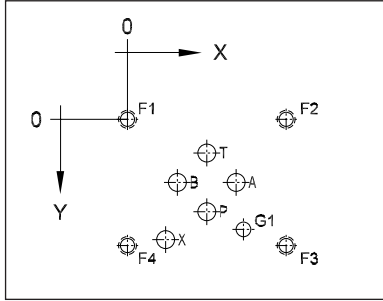
Servo Valve Patterns

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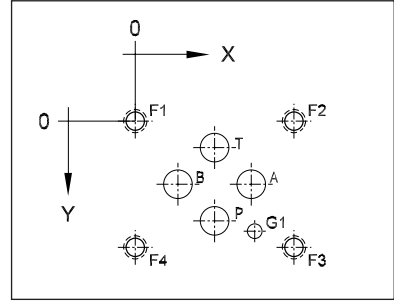
S01 ISO 10372-01-01-0-92
0.480 port circle



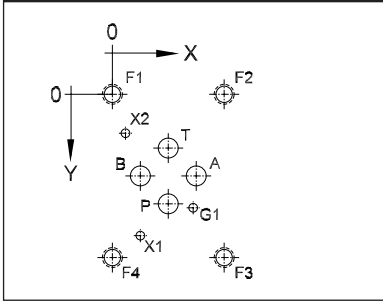
S02 ISO 10372-02-02-0-92
0.625 port circle



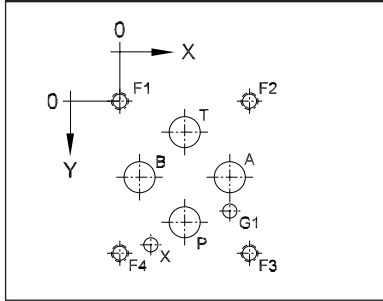
S03 ISO 10372-03-03-0-92
0.780 port circle



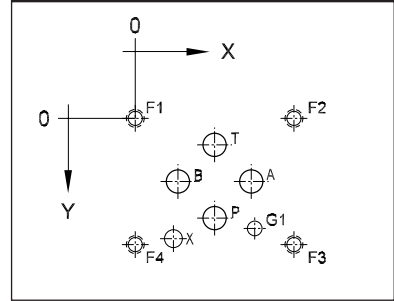
S04 ISO 10372-04-04-0-92
0.875 port circle



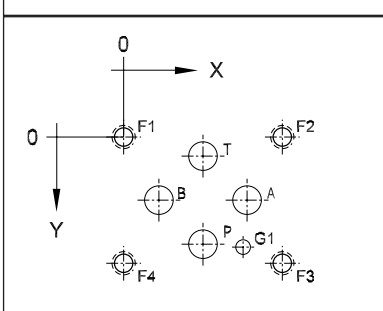
S06 ISO 10372-06-05-0-92
2.000 port circle



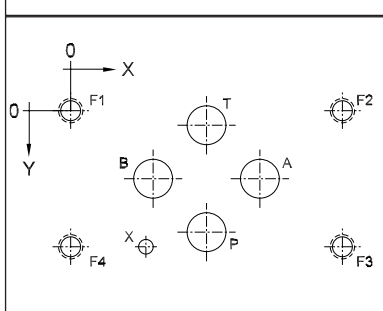
S71 0.780 port circle



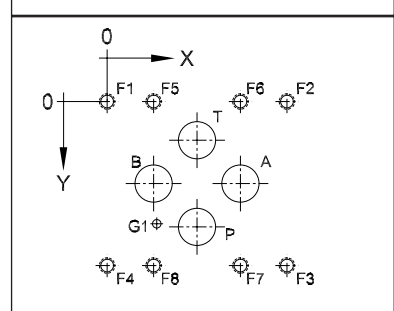
S72 0.938 port circle



S73 1.375 port circle



S74 1.750 port circle



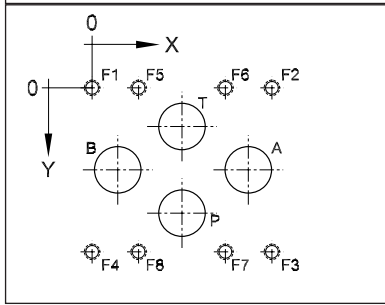
Servo patterns continued pages 200-205

Pattern	Axis	P	A	T	B	X1	X2	F1	F2	F3	F4	F5	F6	F7	F8	G1
S01	X	0.469 [11.9]	0.709 [18.0]	0.469 [11.9]	0.228 [5.8]	--	--	0 [0]	0.937 [23.8]	0.937 [23.8]	0 [0]	--	--	--	--	0.748 [19.0]
	Y	0.756 [19.2]	0.516 [13.1]	0.276 [7.0]	0.516 [13.1]	--	--	0 [0]	0 [0]	1.032 [26.2]	1.032 [26.2]	--	--	--	--	0.795 [20.2]
	φ (max)	0.150 [3.8]	0.150 [3.8]	0.150 [3.8]	0.150 [3.8]	--	--	#6-32 M4	#6-32 M4	#6-32 M4	#6-32 M4	--	--	--	--	--
S02	X	0.843 [21.4]	1.154 [29.3]	0.843 [21.4]	0.532 [13.5]	0.406 [10.3]	--	0 [0]	1.685 [42.8]	1.685 [42.8]	0 [0]	--	--	--	--	1.232 [31.3]
	Y	0.984 [25.0]	0.673 [17.1]	0.362 [9.2]	0.673 [17.1]	1.283 [32.6]	--	0 [0]	0 [0]	1.347 [34.2]	1.347 [34.2]	--	--	--	--	1.173 [29.8]
	φ (max)	0.197 [5.0]	0.197 [5.0]	0.197 [5.0]	0.197 [5.0]	0.095 [2.4]	--	#10-32 M5	#10-32 M5	#10-32 M5	#10-32 M5	--	--	--	--	--
S03	X	0.843 [21.4]	1.232 [31.3]	0.843 [21.4]	0.453 [11.5]	--	--	0 [0]	1.685 [42.8]	1.685 [42.8]	0 [0]	--	--	--	--	1.232 [31.3]
	Y	1.063 [27.0]	0.673 [17.1]	0.284 [7.2]	0.673 [17.1]	--	--	0 [0]	0 [0]	1.347 [34.2]	1.347 [34.2]	--	--	--	--	1.173 [29.8]
	φ (max)	0.260 [6.6]	0.260 [6.6]	0.260 [6.6]	0.260 [6.6]	--	--	.25-28 M6	.25-28 M6	.25-28 M6	.25-28 M6	--	--	--	--	--
S04	X	0.874 [22.2]	1.311 [33.3]	0.874 [22.2]	0.437 [11.1]	0.437 [11.1]	0.205 [5.2]	0 [0]	1.748 [44.4]	1.748 [44.4]	0 [0]	--	--	--	--	1.264 [32.1]
	Y	1.717 [43.6]	1.280 [32.5]	0.843 [21.4]	1.280 [32.5]	2.217 [56.3]	0.610 [15.5]	0 [0]	0 [0]	2.559 [65.0]	2.559 [65.0]	--	--	--	--	1.780 [45.2]
	φ (max)	0.323 [8.2]	0.323 [8.2]	0.323 [8.2]	0.323 [8.2]	0.197 [5.0]	0.197 [5.0]	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	--	--	--	--	--
S06	X	1.437 [36.5]	2.437 [61.9]	1.437 [36.5]	0.437 [11.1]	0.685 [17.4]	--	0 [0]	2.874 [73.0]	2.874 [73.0]	0 [0]	--	--	--	--	2.437 [61.9]
	Y	2.685 [68.2]	1.685 [42.8]	0.685 [17.4]	1.685 [42.8]	3.189 [81.0]	--	0 [0]	0 [0]	3.370 [85.6]	3.370 [85.6]	--	--	--	--	2.437 [61.9]
	φ (max)	0.630 [16.0]	0.630 [16.0]	0.630 [16.0]	0.630 [16.0]	0.197 [5.0]	--	.38-16 M10	.38-16 M10	.38-16 M10	.38-16 M10	--	--	--	--	--
S71	X	0.843 [21.4]	1.232 [31.2]	0.843 [21.4]	0.453 [11.4]	0.406 [10.3]	--	0 [0]	1.685 [42.8]	1.685 [42.8]	0 [0]	--	--	--	--	1.232 [31.3]
	Y	1.063 [27.0]	0.673 [17.1]	0.284 [7.2]	0.673 [17.1]	1.284 [32.6]	--	0 [0]	0 [0]	1.347 [34.2]	1.347 [34.2]	--	--	--	--	1.173 [29.8]
	φ (max)	0.260 [6.6]	0.260 [6.6]	0.260 [6.6]	0.260 [6.6]	0.095 [2.4]	--	#10-32 M5	#10-32 M5	#10-32 M5	#10-32 M5	--	--	--	--	--
S72	X	0.843 [21.4]	1.311 [33.3]	0.843 [21.4]	0.374 [9.5]	--	--	0 [0]	1.685 [42.8]	1.685 [42.8]	0 [0]	--	--	--	--	1.232 [31.3]
	Y	1.142 [29.0]	0.673 [17.1]	0.205 [5.2]	0.673 [17.1]	--	--	0 [0]	0 [0]	1.347 [34.2]	1.347 [34.2]	--	--	--	--	1.173 [29.8]
	φ (max)	0.315 [8.0]	0.315 [8.0]	0.315 [8.0]	0.315 [8.0]	--	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	--
S73	X	1.750 [44.5]	2.438 [61.9]	1.750 [44.5]	1.062 [27.0]	0.970 [24.6]	--	0 [0]	3.500 [88.9]	3.500 [88.9]	0 [0]	--	--	--	--	--
	Y	1.563 [39.7]	0.875 [22.3]	0.188 [4.8]	0.875 [22.3]	1.750 [44.5]	--	0 [0]	0 [0]	1.750 [44.5]	1.750 [44.5]	--	--	--	--	--
	φ (max)	0.500 [12.7]	0.500 [12.7]	0.500 [12.7]	0.500 [12.7]	0.094 [2.4]	--	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	--	--	--	--	--
S74	X	1.813 [46.1]	2.688 [68.3]	1.813 [46.1]	0.938 [23.8]	--	--	0 [0]	3.625 [92.1]	3.625 [92.1]	0 [0]	0.938 [23.8]	2.688 [68.3]	2.688 [68.3]	0.938 [23.8]	1.000 [25.4]
	Y	2.531 [64.3]	1.656 [42.1]	0.781 [19.8]	1.656 [42.1]	--	--	0 [0]	0 [0]	3.313 [84.2]	3.313 [84.2]	0 [0]	0 [0]	3.313 [84.2]	3.313 [84.2]	2.469 [62.7]
	φ (max)	0.750 [19.1]	0.750 [19.1]	0.750 [19.1]	0.750 [19.1]	--	--	.31-24 M8	.31-24 M8	.31-24 M8	.31-24 M8	.31-24 M8	.31-24 M8	.31-24 M8	.31-24 M8	.31-24 M8

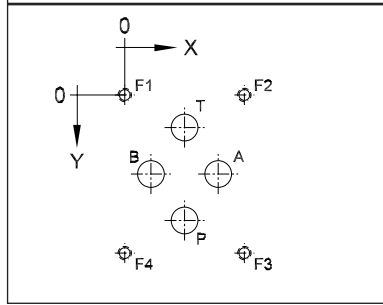
Servo Valve Patterns

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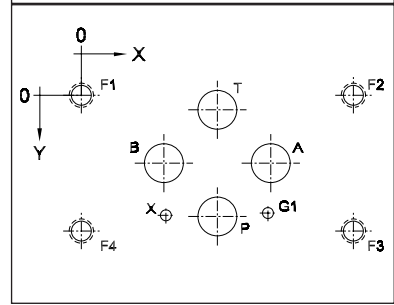
S75 2.750 port circle



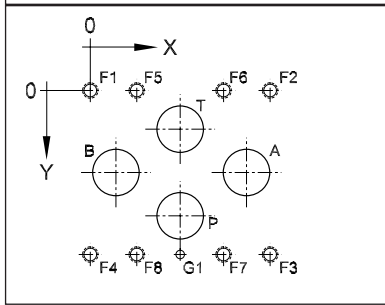
S76



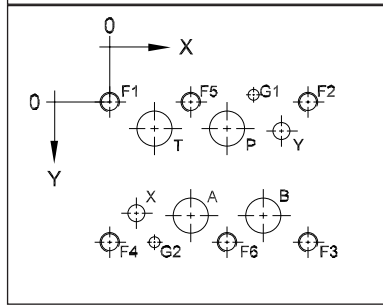
S77 1.750 port circle



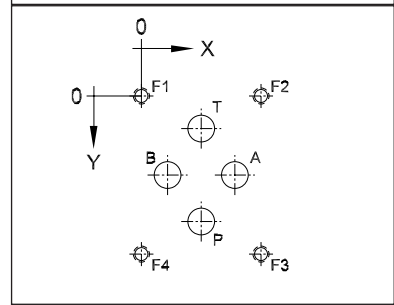
S78



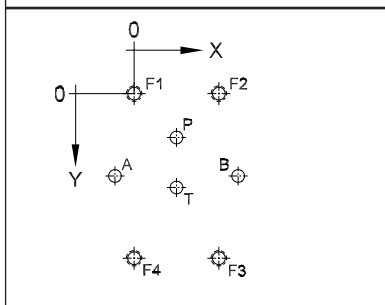
S79



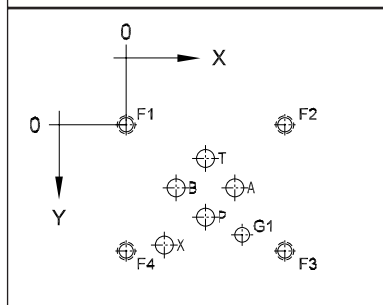
S81



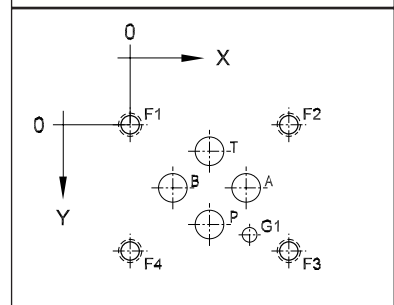
S82



S83 0.625 port circle



S84 0.740 port circle



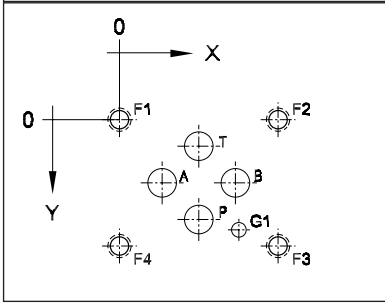
Servo patterns continued pages 202-205

Pattern	Axis	P	A	T	B	X	Y	F1	F2	F3	F4	F5	F6	F7	F8	G1	G2
S75	X	2.000 [50.8]	3.375 [85.7]	2.000 [50.8]	0.625 [15.9]	--	--	0 [0]	4.000 [101.6]	4.000 [101.6]	0 [0]	1.000 [25.4]	3.000 [76.2]	3.000 [76.2]	1.000 [25.4]	--	--
	Y	3.625 [92.1]	2.250 [57.2]	0.875 [22.2]	2.250 [57.2]	--	--	0 [0]	0 [0]	4.500 [114.3]	4.500 [114.3]	0 [0]	0 [0]	4.500 [114.3]	4.500 [114.3]	--	--
	φ (max)	1.000 [25.4]	1.000 [25.4]	1.000 [25.4]	1.000 [25.4]	--	--	.50-13 M12	.50-13 M12	.50-13 M12	.50-13 M12	.50-13 M12	.50-13 M12	.50-13 M12	.50-13 M12	--	--
S76	X	1.120 [28.5]	1.750 [44.5]	1.120 [28.5]	0.490 [12.5]	--	--	0 [0]	2.240 [56.9]	2.240 [56.9]	0 [0]	--	--	--	--	--	--
	Y	2.357 [59.9]	1.483 [37.6]	0.610 [15.5]	1.483 [37.6]	--	--	0 [0]	0 [0]	2.967 [75.4]	2.967 [75.4]	--	--	--	--	--	--
	φ (max)	0.500 [12.7]	0.500 [12.7]	0.500 [12.7]	0.500 [12.7]	--	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	--	--
S77	X	1.813 [46.0]	2.688 [68.3]	1.813 [46.0]	0.937 [23.8]	1.025 [26.0]	--	0 [0]	3.625 [92.1]	3.625 [92.1]	0 [0]	--	--	--	--	2.625 [66.7]	--
	Y	2.063 [52.4]	1.187 [30.2]	0.312 [7.9]	1.187 [30.2]	2.054 [52.2]	--	0 [0]	0 [0]	2.375 [60.3]	2.375 [60.3]	--	--	--	--	2.000 [50.8]	--
	φ (max)	0.625 [15.9]	0.625 [15.9]	0.625 [15.9]	0.625 [15.9]	0.125 [3.2]	--	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	--	--	--	--	0.157 [4.0]	--
S78	X	2.181 [55.4]	3.741 [95.0]	2.181 [55.4]	0.621 [15.8]	--	--	0 [0]	4.362 [110.8]	4.362 [110.8]	0 [0]	1.241 [31.5]	3.121 [79.3]	3.121 [79.3]	1.241 [31.5]	2.181 [55.4]	--
	Y	3.435 [87.2]	2.310 [58.7]	1.185 [30.1]	2.310 [58.7]	--	--	0 [0]	0 [0]	4.620 [117.3]	4.620 [117.3]	0 [0]	0 [0]	4.620 [117.3]	4.620 [117.3]	4.620 [117.3]	--
	φ (max)	1.125 [28.6]	1.125 [28.6]	1.125 [28.6]	1.125 [28.6]	--	--	.62-11 M16	.62-11 M16	.62-11 M16	.62-11 M16	.62-11 M16	.62-11 M16	.62-11 M16	.62-11 M16	.62-11 M16	0.313 [7.9]
S79	X	3.031 [77.0]	2.094 [53.2]	1.157 [29.4]	3.969 [100.8]	0.689 [17.5]	4.437 [112.7]	0 [0]	5.126 [130.2]	5.126 [130.2]	0 [0]	2.094 [53.2]	3.031 [77.0]	--	--	3.720 [94.5]	1.157 [29.4]
	Y	0.689 [17.5]	2.937 [74.6]	0.689 [17.5]	2.937 [74.6]	2.874 [73.0]	0.748 [19.0]	0 [0]	0 [0]	3.626 [92.1]	3.626 [92.1]	0 [0]	3.626 [92.1]	--	--	-0.189 [-4.8]	3.626 [92.1]
	φ (max)	0.984 [25.0]	0.984 [25.0]	0.984 [25.0]	0.984 [25.0]	0.441 [11.2]	0.441 [11.2]	.44-14 M12	.44-14 M12	.44-14 M12	.44-14 M12	.44-14 M12	.44-14 M12	--	--	0.295 [7.5]	0.295 [7.5]
S81	X	1.120 [28.4]	1.750 [44.5]	1.120 [28.4]	0.490 [12.4]	--	--	0 [0]	2.240 [56.9]	2.240 [56.9]	0 [0]	--	--	--	--	--	--
	Y	2.375 [60.3]	1.500 [38.1]	0.625 [15.9]	1.500 [38.1]	--	--	0 [0]	0 [0]	3.000 [76.2]	3.000 [76.2]	--	--	--	--	--	--
	φ (max)	0.500 [12.7]	0.500 [12.7]	0.500 [12.7]	0.500 [12.7]	--	--	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	--	--	--	--	--	--
S82	X	0.433 [11.0]	-0.197 [-5.0]	0.433 [11.0]	1.063 [27.0]	--	--	0 [0]	0.866 [22.0]	0.866 [22.0]	0 [0]	--	--	--	--	--	--
	Y	0.449 [11.4]	0.843 [21.4]	0.961 [24.4]	0.843 [21.4]	--	--	0 [0]	0 [0]	1.677 [42.6]	1.677 [42.6]	--	--	--	--	--	--
	φ (max)	0.130 [3.3]	0.130 [3.3]	0.130 [3.3]	0.130 [3.3]	--	--	M4 M4	M4 M4	M4 M4	M4 M4	--	--	--	--	--	--
S83	X	0.843 [21.4]	1.154 [29.3]	0.843 [21.4]	0.531 [13.5]	--	--	0 [0]	1.685 [42.8]	1.685 [42.8]	0 [0]	--	--	--	--	1.232 [31.3]	--
	Y	0.984 [25.0]	0.673 [17.1]	0.358 [9.1]	0.673 [17.1]	--	--	0 [0]	0 [0]	1.347 [34.2]	1.347 [34.2]	--	--	--	--	1.173 [29.8]	--
	φ (max)	0.191 [4.85]	0.191 [4.85]	0.191 [4.85]	0.191 [4.85]	--	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	0.138 [3.5]	--
S84	X	0.844 [21.4]	1.214 [30.8]	0.844 [21.4]	0.474 [12.0]	--	--	0 [0]	1.685 [42.8]	1.685 [42.8]	0 [0]	--	--	--	--	--	--
	Y	1.042 [26.5]	0.672 [17.1]	0.302 [7.67]	0.672 [17.1]	--	--	0 [0]	0 [0]	1.347 [34.2]	1.347 [34.2]	--	--	--	--	--	--
	φ (max)	0.260 [6.6]	0.260 [6.6]	0.260 [6.6]	0.260 [6.6]	--	--	#10-32 M5	#10-32 M5	#10-32 M5	#10-32 M5	--	--	--	--	--	--

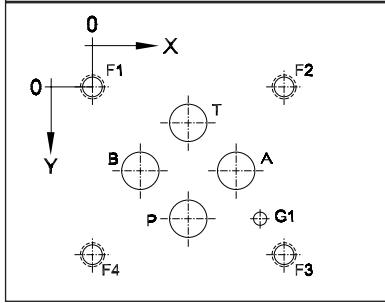
Servo Valve Patterns

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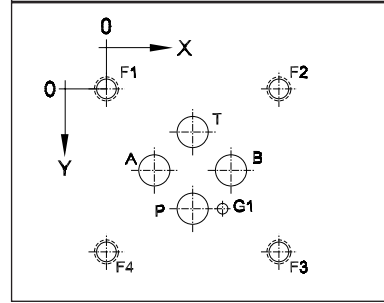
S85 0.850 port circle



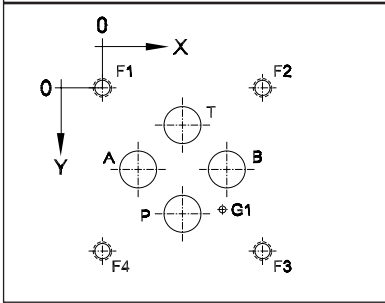
S86 1.000 port circle



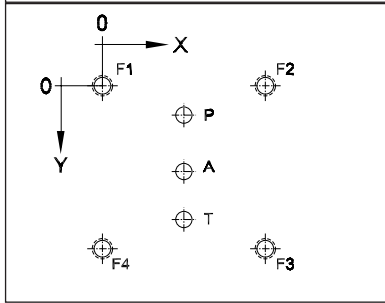
S87 1.000 port circle



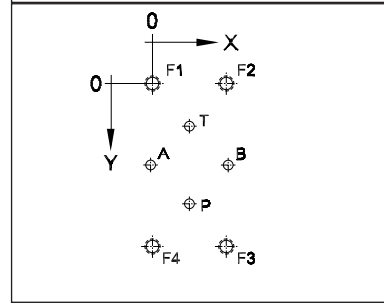
S88 1.800 port circle



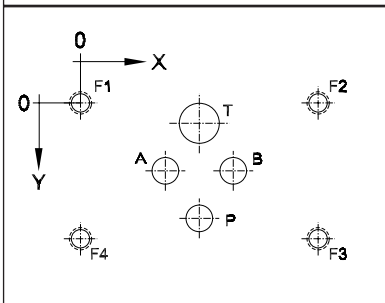
S89



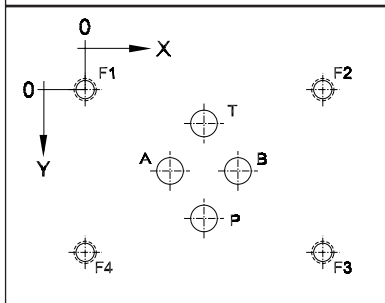
S90 1.000 port circle



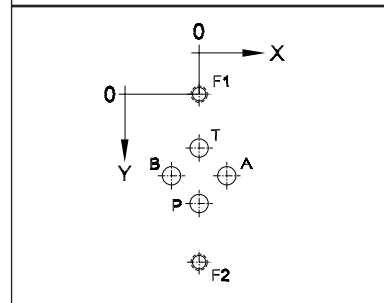
S91



S92



S93 0.850 port circle



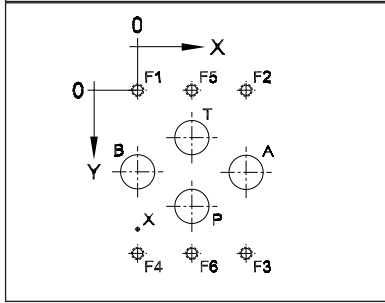
Servo patterns continued pages 204-205

Pattern	Axis	P	A	T	B	X	Y	F1	F2	F3	F4	F5	F6	F7	F8	G1	G2
S85	X	0.843 [21.4]	0.418 [10.6]	0.843 [21.4]	1.268 [32.2]	--	--	0 [0]	1.685 [42.8]	1.685 [42.8]	0 [0]	--	--	--	--	1.232 [31.3]	--
	Y	1.098 [27.9]	0.673 [17.1]	0.248 [6.3]	0.673 [17.1]	--	--	0 [0]	0 [0]	1.347 [34.2]	1.347 [34.2]	--	--	--	--	1.173 [29.8]	--
	φ (max)	0.327 [8.3]	0.327 [8.3]	0.327 [8.3]	0.327 [8.3]	--	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	0.138 [3.5]	--
S86	X	1.000 [25.4]	1.500 [38.1]	1.000 [25.4]	0.500 [12.7]	--	--	0 [0]	2.000 [50.8]	2.000 [50.8]	0 [0]	--	--	--	--	1.750 [44.5]	--
	Y	1.375 [34.9]	0.875 [22.2]	0.375 [9.5]	0.875 [22.2]	--	--	0 [0]	0 [0]	1.750 [44.5]	1.750 [44.5]	--	--	--	--	1.375 [34.9]	--
	φ (max)	0.390 [9.9]	0.390 [9.9]	0.390 [9.9]	0.390 [9.9]	--	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	0.138 [3.5]	--
S87	X	1.125 [28.6]	0.625 [15.9]	1.125 [28.6]	1.625 [41.3]	--	--	0 [0]	2.250 [57.2]	2.250 [57.2]	0 [0]	--	--	--	--	1.515 [38.5]	--
	Y	1.563 [39.7]	1.063 [27.0]	0.563 [14.3]	1.063 [27.0]	--	--	0 [0]	0 [0]	2.125 [54.0]	2.125 [54.0]	--	--	--	--	1.563 [39.7]	--
	φ (max)	0.410 [10.4]	0.410 [10.4]	0.410 [10.4]	0.410 [10.4]	--	--	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	--	--	--	--	0.138 [3.5]	--
S88	X	1.625 [41.3]	0.725 [18.4]	2.18 [55.4]	2.525 [64.1]	--	--	0 [0]	3.250 [82.6]	3.250 [82.6]	0 [0]	--	--	--	--	2.438 [61.9]	--
	Y	2.556 [64.9]	1.656 [42.1]	0.756 [19.2]	1.656 [42.1]	--	--	0 [0]	0 [0]	3.313 [84.1]	3.313 [84.1]	--	--	--	--	2.469 [62.7]	--
	φ (max)	0.750 [19.1]	0.750 [19.1]	0.750 [19.1]	0.750 [19.1]	--	--	.38-16 M10	.38-16 M10	.38-16 M10	.38-16 M10	--	--	--	--	0.138 [3.5]	--
S89	X	0.781 [19.8]	0.781 [19.8]	0.781 [19.8]	--	--	--	0 [0]	1.563 [39.7]	1.563 [39.7]	0 [0]	--	--	--	--	--	--
	Y	0.281 [7.1]	0.821 [20.9]	1.281 [32.5]	--	--	--	0 [0]	0 [0]	1.563 [39.7]	1.563 [39.7]	--	--	--	--	--	--
	φ (max)	0.156 [4.0]	0.156 [4.0]	0.156 [4.0]	--	--	--	#10-24 M5	#10-24 M5	#10-24 M5	#10-24 M5	--	--	--	--	--	--
S90	X	0.474 [12.1]	-0.026 [-0.65]	0.474 [12.1]	0.974 [24.8]	--	--	0 [0]	0.949 [24.1]	0.949 [24.1]	0 [0]	--	--	--	--	--	--
	Y	1.549 [39.4]	1.049 [26.7]	0.549 [14.0]	1.049 [26.7]	--	--	0 [0]	0 [0]	2.098 [53.3]	2.098 [53.3]	--	--	--	--	--	--
	φ (max)	0.126 [3.2]	0.126 [3.2]	0.126 [3.2]	0.126 [3.2]	--	--	#10-24 M5	#10-24 M5	#10-24 M5	#10-24 M5	--	--	--	--	--	--
S91	X	0.875 [22.2]	0.625 [15.9]	0.875 [22.2]	1.125 [28.6]	--	--	0 [0]	1.750 [44.5]	1.750 [44.5]	0 [0]	--	--	--	--	--	--
	Y	0.850 [21.6]	0.500 [12.7]	0.150 [3.8]	0.500 [12.7]	--	--	0 [0]	0 [0]	1.000 [25.4]	1.000 [25.4]	--	--	--	--	--	--
	φ (max)	0.188 [4.8]	0.188 [4.8]	0.188 [4.8]	0.188 [4.8]	--	--	#4-40	#4-40	#4-40	#4-40	--	--	--	--	--	--
S92	X	0.875 [22.2]	0.625 [12.7]	0.875 [22.2]	1.125 [28.6]	--	--	0 [0]	1.750 [44.5]	1.750 [44.5]	0 [0]	--	--	--	--	--	--
	Y	0.950 [24.1]	0.600 [15.2]	0.250 [6.4]	0.600 [15.2]	--	--	0 [0]	0 [0]	1.200 [30.5]	1.200 [30.5]	--	--	--	--	--	--
	φ (max)	0.188 [4.8]	0.188 [4.8]	0.188 [4.8]	0.188 [4.8]	--	--	#8-32 M4	#8-32 M4	#8-32 M4	#8-32 M4	--	--	--	--	--	--
S93	X	0 [0]	-0.425 [-10.8]	0 [0]	0.425 [10.8]	--	--	0 [0]	0 [0]	--	--	--	--	--	--	--	--
	Y	1.675 [42.5]	1.250 [31.8]	0.825 [21.0]	1.250 [31.8]	--	--	0 [0]	2.500 [63.5]	--	--	--	--	--	--	--	--
	φ (max)	0.281 [7.1]	0.281 [7.1]	0.281 [7.1]	0.281 [7.1]	--	--	.25-20 M6	.25-20 M6	--	--	--	--	--	--	--	--

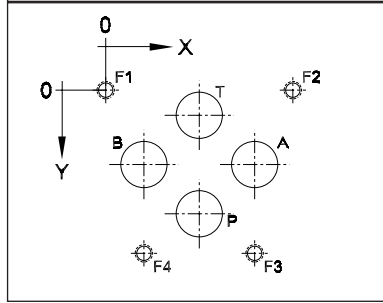
Servo Valve Patterns

These drawings are for reference only. Please consult the appropriate standard when dimensions are critical. Dimensions may vary on our products. It should not be assumed that each hole shown is found on a given product.

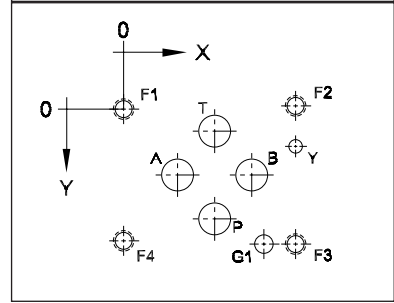
S94



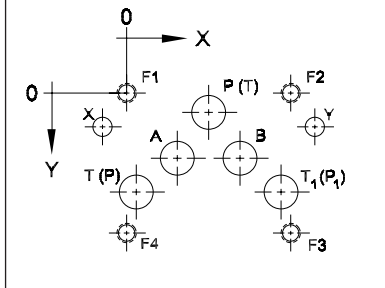
S95 2.000 port circle



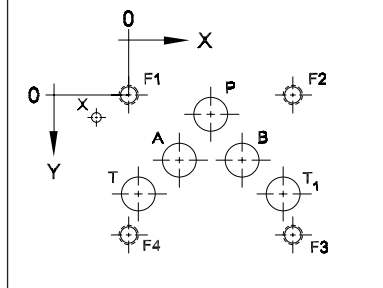
D03 ISO 4401-03-03-0-94



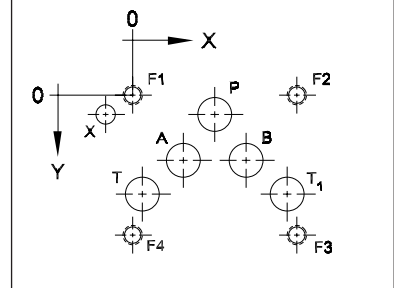
D05HE ISO 4401-05-05-0-94
Moog D634, D661, D681, D691



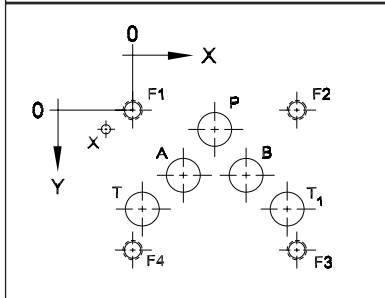
D05-S1 Moog 631, 641, 651



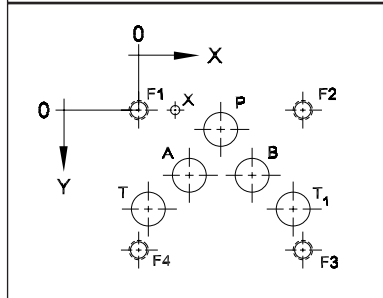
D05-S2 Moog G631



D05-S3 Parker SE31



D05-S4 Rexroth **S*2E*10*X



D07, D08, D10

Same as ISO / NFPA directional valve patterns. See page 194-195 for dimensions.

Pattern	Axis	P	A	T	T ₁	B	X	Y	F1	F2	F3	F4	F5	F6	F7	G1	G2
S94	X	1.375 [34.9]	2.750 [69.9]	1.375 [34.9]	--	0 [0]	0 [0]	--	0 [0]	2.750 [69.9]	2.750 [69.9]	0 [0]	1.375 [34.9]	1.375 [34.9]	--	--	--
	Y	2.938 [74.6]	2.063 [52.4]	1.188 [30.2]	--	2.063 [52.4]	3.513 [89.2]	--	0 [0]	0 [0]	4.125 [104.8]	4.125 [104.8]	0 [0]	4.125 [104.8]	--	--	--
	φ (max)	0.865 [22.0]	0.865 [22.0]	0.865 [22.0]	--	0.865 [22.0]	0.094 [2.4]	--	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	.31-18 M8	--	--	--
S95	X	1.900 [48.3]	0.900 [22.9]	1.900 [48.3]	--	2.900 [73.7]	--	--	0 [0]	3.800 [96.5]	3.025 [76.8]	0.775 [19.7]	--	--	--	--	--
	Y	2.510 [63.8]	1.510 [38.4]	0.510 [13.0]	--	1.510 [38.4]	--	--	0 [0]	0 [0]	3.313 [84.1]	3.313 [84.1]	--	--	--	--	--
	φ (max)	0.938 [23.8]	0.938 [23.8]	0.938 [23.8]	--	0.938 [23.8]	--	--	.38-16 M10	.38-16 M10	.38-16 M10	.38-16 M10	--	--	--	--	--
D03	X	0.847 [21.5]	0.500 [12.7]	0.847 [21.5]	--	1.189 [30.2]	--	1.595 [40.5]	0 [0]	1.595 [40.5]	1.595 [40.5]	0 [0]	--	--	--	1.299 [33.0]	--
	Y	1.020 [25.9]	0.610 [15.5]	0.201 [5.1]	--	0.610 [15.5]	--	0.354 [9.0]	0 [0]	-0.030 [-0.75]	1.250 [31.75]	1.221 [31.0]	--	--	--	1.250 [31.75]	--
	φ (max)	0.295 [7.5]	0.295 [7.5]	0.295 [7.5]	--	0.295 [7.5]	--	0.130 [3.3]	#10-24 M5	#10-24 M5	#10-24 M5	#10-24 M5	--	--	--	0.158 [4.0]	--
D05HE	X	1.063 [27.0]	0.658 [16.7]	0.126 [3.2]	2.000 [50.8]	1.469 [37.3]	-0.315 [-8.0]	2.441 [62.0]	0 [0]	2.126 [54.0]	2.126 [54.0]	0 [0]	--	--	--	--	--
	Y	0.248 [6.3]	0.843 [21.4]	1.280 [32.5]	1.280 [32.5]	0.843 [21.4]	0.433 [11.0]	0.433 [11.0]	0 [0]	0 [0]	1.811 [46.0]	1.811 [46.0]	--	--	--	--	--
	φ (max)	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.248 [6.3]	0.248 [6.3]	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	--
D05-S1	X	1.063 [27.0]	0.658 [16.7]	0.126 [3.2]	2.000 [50.8]	1.469 [37.3]	-0.417 [-10.6]	--	0 [0]	2.126 [54.0]	2.126 [54.0]	0 [0]	--	--	--	--	--
	Y	0.248 [6.3]	0.843 [21.4]	1.280 [32.5]	1.280 [32.5]	0.843 [21.4]	0.291 [7.4]	--	0 [0]	0 [0]	1.811 [46.0]	1.811 [46.0]	--	--	--	--	--
	φ (max)	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.125 [3.2]	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	--
D05-S2	X	1.063 [27.0]	0.658 [16.7]	0.126 [3.2]	2.000 [50.8]	1.469 [37.3]	-0.354 [-9.0]	--	0 [0]	2.126 [54.0]	2.126 [54.0]	0 [0]	--	--	--	--	--
	Y	0.248 [6.3]	0.843 [21.4]	1.280 [32.5]	1.280 [32.5]	0.843 [21.4]	0.252 [6.4]	--	0 [0]	0 [0]	1.811 [46.0]	1.811 [46.0]	--	--	--	--	--
	φ (max)	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.248 [6.3]	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	--
D05-S3	X	1.063 [27.0]	0.658 [16.7]	0.126 [3.2]	2.000 [50.8]	1.469 [37.3]	-0.346 [-8.8]	--	0 [0]	2.126 [54.0]	2.126 [54.0]	0 [0]	--	--	--	--	--
	Y	0.248 [6.3]	0.843 [21.4]	1.280 [32.5]	1.280 [32.5]	0.843 [21.4]	0.248 [6.3]	--	0 [0]	0 [0]	1.811 [46.0]	1.811 [46.0]	--	--	--	--	--
	φ (max)	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.118 [3.0]	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	--
D05-S4	X	1.063 [27.0]	0.658 [16.7]	0.126 [3.2]	2.000 [50.8]	1.469 [37.3]	0.472 [12.0]	--	0 [0]	2.126 [54.0]	2.126 [54.0]	0 [0]	--	--	--	--	--
	Y	0.248 [6.3]	0.843 [21.4]	1.280 [32.5]	1.280 [32.5]	0.843 [21.4]	0 [0]	--	0 [0]	0 [0]	1.811 [46.0]	1.811 [46.0]	--	--	--	--	--
	φ (max)	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.441 [11.2]	0.118 [3.0]	--	.25-20 M6	.25-20 M6	.25-20 M6	.25-20 M6	--	--	--	--	--

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