

Hydraulic Valve Manifolds Better System Design Begins with a Manifold.

SUBPLATES

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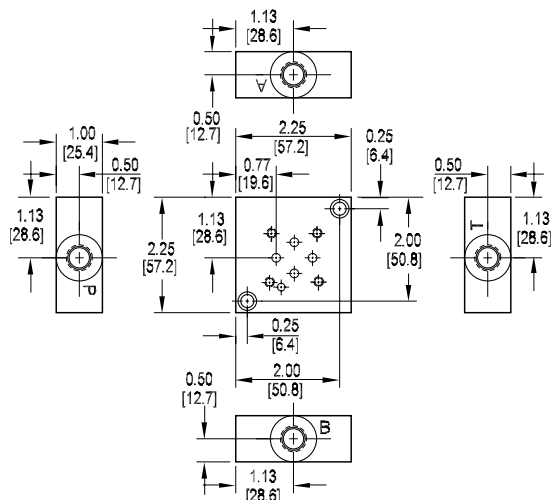
D02 Subplates

Side Ported Subplate

Valve mtg: UNC #10-24 x 0.56 DP or
Metric M5-0.8mm ISO 6H x [14] DP

Subplate hardware kit is supplied.

See page 121 for itemized list.

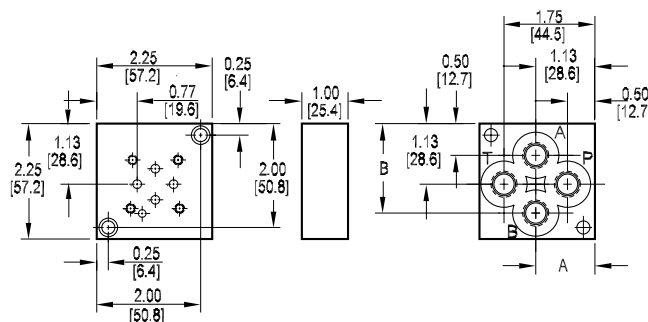


Back Ported Subplate

Valve mtg: UNC #10-24 x 0.56 DP or
Metric M5-0.8mm ISO 6H x [14] DP

Subplate mounting hardware is supplied.

See page 121 for itemized list.



Dimension	A	B
*D02SPB4P	1.22	1.88
*D02SPB4T	[31.0]	[47.6]
*D02SPB4S		
*D02SPB4B	1.13	1.75
*D02SPB4M	[28.6]	[44.5]

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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
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Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa

† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.

Product Type	
SP	Subplate

Port Location	
S	Side ported
B	Back Ported

Valve Pattern	
D02	ISO 4401-02-01 NFPA T3.5.1-D02 See Tech Information

Port Threads	
4P	0.25-18 NPTF ANSI B1.20.3
4S	-4 SAE ISO 11926; SAE 1926
4B	0.25-19 BSPP ISO 1179; BS 2779
4M	M10 x 1.0 ISO 6149
4T	0.25-19 BSPT ISO 7; BS 21

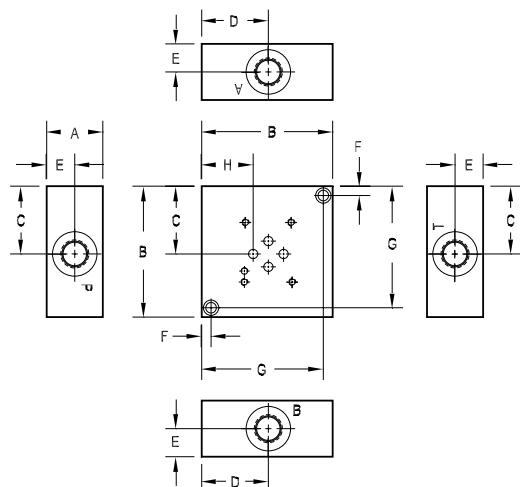
D03 Subplates

Side Ported Subplate

Valve mtg: UNC #10-24 x 0.63 DP or
Metric M5-0.8mm ISO 6H x [16] DP

Subplate hardware kit is supplied.

See page 121 for itemized list.



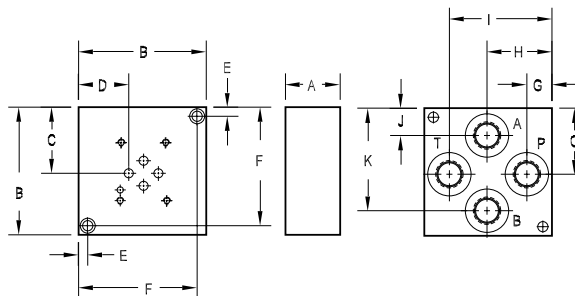
Dimension	A	B	C	D	E	F	G	H
*D03SPS4P	1.00 [25.4]	2.50 [63.5]	1.31 [33.3]	1.25 [31.8]	0.50 [12.7]	0.25 [6.4]	2.25 [57.2]	0.88 [22.4]
D03SPS6	1.00 [25.4]	2.50 [63.5]	1.31 [33.3]	1.25 [31.8]	0.50 [12.7]	0.25 [6.4]	2.25 [57.2]	0.88 [22.4]
D03SPS8	1.50 [38.1]	3.50 [88.9]	1.81 [46.0]	1.78 [45.2]	0.75 [19.1]	0.25 [6.4]	3.25 [82.6]	1.38 [34.9]
D03SPS12	1.75 [44.5]	4.00 [101.6]	2.06 [52.4]	2.03 [51.6]	0.88 [22.2]	0.38 [9.5]	3.63 [92.1]	1.63 [41.3]

Back Ported Subplate

Valve mtg: UNC #10-24 x 0.63 DP or
Metric M5-0.8mm ISO 6H x [16] DP

Subplate hardware kit is supplied.

See page 121 for itemized list.



Dimension	A	B	C	D	E	F	G	H	I	J	K
*D03SPB4P	1.00 [25.4]	2.50 [63.5]	1.31 [33.3]	0.88 [22.4]	0.25 [6.4]	2.25 [57.2]	0.66 [16.7]	1.28 [32.5]	1.91 [48.4]	0.75 [19.1]	1.88 [47.6]
*D03SPB6B	1.00 [25.4]	2.50 [63.5]	1.25 [31.8]	0.84 [21.4]	0.25 [6.4]	2.25 [57.2]	0.51 [13.0]	1.25 [31.8]	1.98 [50.4]	0.52 [13.2]	1.97 [50.0]
*D03SPB6[M,P,S,T]	1.00 [25.4]	2.50 [63.5]	1.31 [33.3]	0.88 [22.4]	0.25 [6.4]	2.25 [57.2]	0.59 [15.1]	1.28 [32.5]	1.97 [50.0]	0.69 [17.5]	1.94 [49.2]
D03SPB8	1.50 [38.1]	3.50 [88.9]	1.81 [46.0]	1.38 [34.9]	0.25 [6.4]	3.25 [82.6]	0.69 [17.5]	1.78 [45.2]	2.81 [71.4]	0.75 [19.1]	2.81 [71.4]
D03SPB12	1.50 [38.1]	4.50 [114.3]	2.31 [58.8]	1.88 [47.6]	0.38 [9.5]	4.13 [104.8]	0.94 [23.8]	2.28 [57.9]	3.56 [90.5]	0.94 [23.8]	3.56 [90.5]

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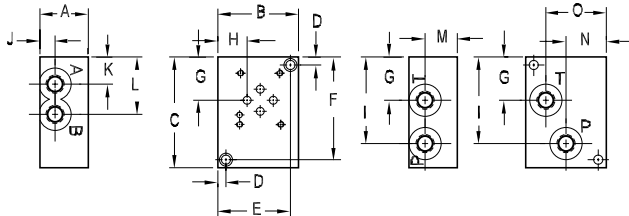
Ordering Information

Material		Valve Pattern		Product Type		Port Location		Port Threads																																																																									
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D03 Subplates

Dual Ported Subplate

Valve mtg: UNC #10-24 x 0.50 DP or
Metric M5-0.8mm ISO 6H x [12.7] DP
Subplate hardware kit is supplied.
See page 121 for itemized list.

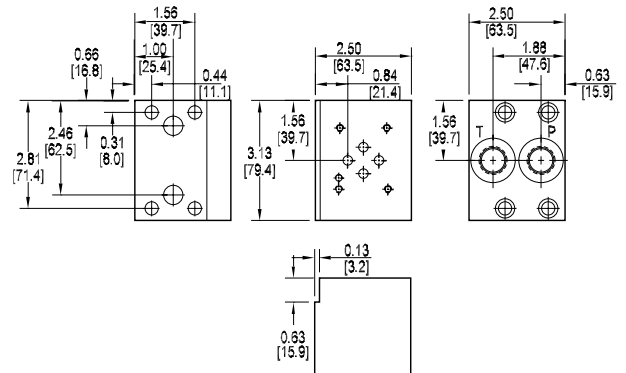


Dimension	A	B	C	D	E	F	G	H
D03SPSB6	1.50 [38.1]	2.50 [63.5]	3.44 [87.4]	0.25 [6.4]	2.25 [57.2]	3.19 [81.0]	1.34 [34.0]	0.91 [23.1]
D03SPSB8	2.00 [50.8]	2.75 [69.9]	3.75 [95.3]	0.25 [6.4]	2.50 [63.5]	3.50 [88.9]	1.34 [34.0]	0.91 [23.1]

Dimension	I	J	K	L	M	N	O
*D03SPSB6B	2.69 [68.3]	0.50 [12.7]	0.72 [18.3]	1.78 [45.2]	1.00 [25.4]	1.25 [31.8]	1.88 [47.8]
*D03SPSB6[M,P,S,T]	2.69 [68.3]	0.47 [11.9]	0.84 [21.4]	1.78 [45.2]	1.00 [25.4]	1.25 [31.8]	1.88 [47.8]
*D03SPSB8B	3.00 [76.2]	0.88 [22.2]	0.69 [17.5]	1.97 [50.0]	1.38 [34.9]	1.44 [36.5]	1.94 [49.2]
*D03SPSB8[M,P,S,T]	3.00 [76.2]	0.88 [22.2]	0.69 [17.5]	1.94 [49.2]	1.38 [34.9]	1.44 [36.5]	1.94 [49.2]

Motor Mounted Subplate

Available with NPTF or SAE ports only.
Valve mtg: UNC #10-24 x 0.63 DP
Subplate hardware kit is supplied.
See page 121 for itemized list.



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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
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Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa

† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.

Product Type	
SP	Subplate

Port Location	
SB	Side P,A,B,T ports Back P & T ports
M	Motor mounting 8P or 8S ports only

Valve Pattern	
D03	ISO 4401-03-02 NFFPA T3.5.1-D03 See Tech Information

Port Threads			
Port location SB only		Port location SB or M	
6P	0.38-18 NPTF ANSI B1.20.3	8P	0.50-14 NPTF ANSI B1.20.3
6S	-6 SAE ISO 11926; SAE 1926	8S	-8 SAE ISO 11926; SAE 1926
6B	0.38-19 BSPP ISO 1179; BS 2779	Port location SB only	
6M	M14 x 1.5 ISO 6149	8B	0.50-14 BSPP ISO 1179; BS 2779
6T	0.38-19 BSPT ISO 7; BS 21	8M	M18 x 1.5 ISO 6149
		8T	0.50-14 BSPT ISO 7; BS 21

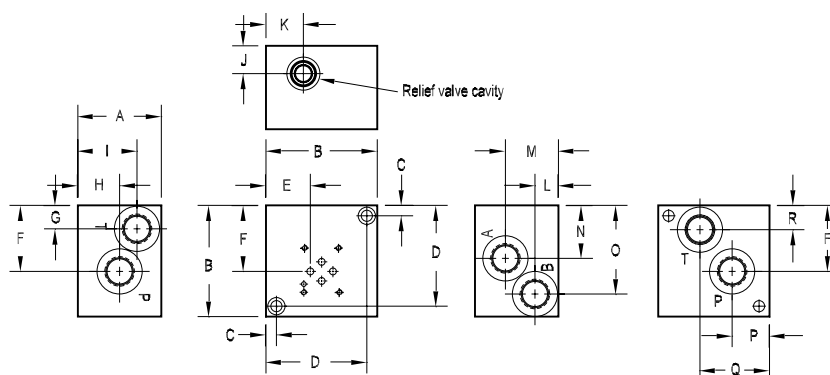
D03 Subplates with Relief Cavity

Dual Ported Subplate with Main Relief Cavity

Valve mtg: UNC #10-24 x 0.63 DP or
Metric M5-0.8mm ISO 6H x [16] DP

Subplate hardware kit is supplied.

See page 121 for itemized list.



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
*D03SPRV*6*	2.25 [57.2]	3.00 [76.2]	0.31 [7.9]	2.69 [68.3]	0.97 [24.6]	2.00 [50.8]	0.69 [17.5]	1.66 [42.1]	1.66 [42.1]	0.88 [22.2]	0.84 [21.3]	0.88 [22.2]	1.63 [41.3]	1.53 [38.9]	2.37 [60.2]	0.97 [24.6]	1.69 [42.9]	0.69 [17.5]
*D03SPRV*8*	3.00 [76.2]	3.50 [88.9]	0.38 [9.5]	3.12 [79.4]	1.34 [34.1]	2.19 [55.6]	0.81 [20.6]	1.50 [38.1]	2.00 [50.8]	1.00 [25.4]	1.09 [22.8]	0.84 [21.4]	1.91 [48.4]	1.72 [43.6]	2.53 [64.3]	1.09 [22.8]	2.25 [57.2]	0.81 [20.6]
*D03SPRV*12*	3.00 [76.2]	4.00 [101.6]	0.38 [9.5]	3.63 [92.1]	1.59 [40.5]	2.38 [60.3]	0.84 [21.4]	1.50 [38.1]	2.13 [54.0]	1.00 [25.4]	1.34 [34.1]	0.84 [21.4]	1.91 [48.4]	1.91 [48.4]	3.19 [81.0]	1.34 [34.1]	2.50 [63.5]	0.88 [22.2]

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Ordering Information

Material	Valve Pattern	Product Type	Circuit	Relief Cavity	Port Threads
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Material	
A	Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa
D	Ductile Iron - D4512 5000 [†] psi • 34.5 MPa

[†] Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.

Product Type	
SP	Subplate

Relief Cavity	
C	Common cavity C-10-2 (P in nose)
S	Sun Cavity T-10A (P in nose) See Tech Info for valves

Port Threads					
6P	0.38-18 NPTF ANSI B1.20.3	8P	0.50-14 NPTF ANSI B1.20.3	12P	0.75-14 NPTF ANSI B1.20.3
6S	-6 SAE ISO 11926; SAE 1926	8S	-8 SAE ISO 11926; SAE 1926	12S	-12 SAE ISO 11926; SAE 1926
6B	0.38-19 BSPP ISO 1179; BS 2779	8B	0.50-14 BSPP ISO 1179; BS 2779	12B	0.75-14 BSPP ISO 1179; BS 2779
6M	M14 x 1.5 ISO 6149	8M	M18 x 1.5 ISO 6149	12M	M27 x 2.0 ISO 6149
6T	0.38-19 BSPT ISO 7; BS 21	8T	0.50-14 BSPT ISO 7; BS 21	12T	0.75-14 BSPT ISO 7; BS 21

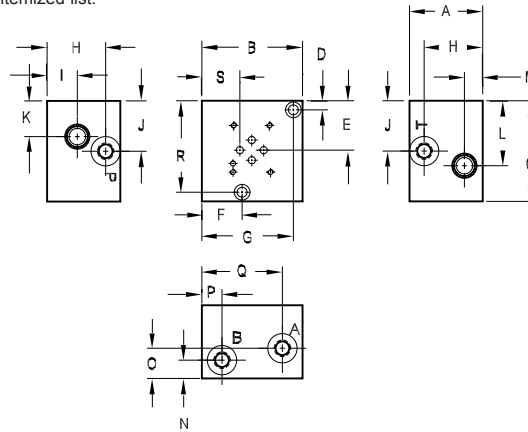
Valve Pattern	
D03	ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information

Circuit	
RV	Main Relief P to T

D03 Subplates with Relief Cavity

Side Ported Subplate with Cylinder Port Crossover Relief Cavities

Valve mtg: UNC #10-24 x 0.63 DP or
Metric M5-0.8mm ISO 6H x [16] DP
Subplate hardware kit is supplied.
See page 121 for itemized list.



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
*D03SPCR*6*	2.50 [63.5]	3.50 [88.9]	3.50 [88.9]	0.31 [7.9]	1.69 [42.9]	1.41 [35.7]	3.19 [81.0]	2.00 [50.8]	1.03 [26.2]	1.72 [43.7]	1.22 [31.0]	2.22 [56.4]	0.63 [16.0]	0.63 [16.0]	1.03 [26.2]	0.69 [17.5]	2.81 [71.4]	3.19 [81.0]	1.33 [33.7]
*D03SPCR*12*	4.00 [101.6]	5.00 [127.0]	4.50 [114.3]	0.38 [9.5]	2.00 [50.8]	2.50 [63.5]	2.50 [63.5]	3.00 [76.2]	1.25 [31.8]	2.00 [50.8]	1.50 [38.1]	2.50 [63.5]	1.00 [25.4]	1.25 [31.8]	1.38 [35.1]	1.00 [25.4]	4.00 [101.6]	4.13 [104.8]	2.06 [52.8]

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Ordering Information

Material	Valve Pattern	Product Type	Circuit	Relief Cavity	Port Threads
----------	---------------	--------------	---------	---------------	--------------

Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa
† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.	

Product Type	
SP	Subplate

Relief Cavity	
C	Common cavity C-10-2 (P in nose)
S	Sun Cavity T-10A (P in nose) See Tech Info for valves

Port Threads			
6P	0.38-18 NPTF ANSI B1.20.3	12P	0.75-14 NPTF ANSI B1.20.3
6S	-6 SAE ISO 11926; SAE 1926	12S	-12 SAE ISO 11926; SAE 1926
6B	0.38-19 BSPP ISO 1179; BS 2779	12B	0.75-14 BSPP ISO 1179; BS 2779
6M	M14 x 1.5 ISO 6149	12M	M27 x 2.0 ISO 6149
6T	0.38-19 BSPT ISO 7; BS 21	12T	0.75-14 BSPT ISO 7; BS 21

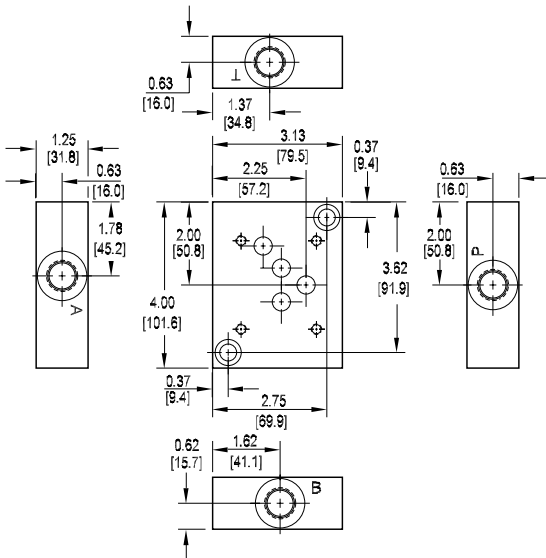
Valve Pattern	
D03	ISO 4401-03-02 NFFPA T3.5.1-D03 See Tech Information

Circuit	
CR	Crossover Reliefs A to B and B to A

D05 Subplates

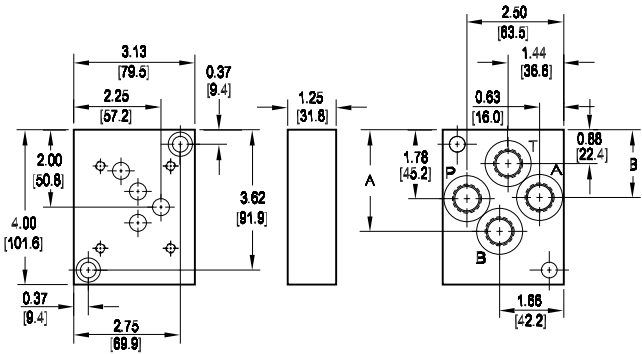
Side Ported Subplate

Valve mtg: UNC 0.25-20 x 0.75 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP
Subplate hardware kit is supplied.
See page 121 for itemized list.



Back Ported Subplate

Valve mtg: UNC 0.25-20 x 0.75 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP
Subplate hardware kit is supplied.
See page 121 for itemized list.



Dimension	A	B
*D05SPB6P	2.63 [66.8]	1.75 [44.5]
*D05SPB8B	2.94 [74.6]	2.00 [50.8]
*D05SPB8[M,P,S,T]	2.63 [66.8]	1.75 [44.5]

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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
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Material	
A	Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa
D	Ductile Iron - D4512 5000 [†] psi • 34.5 MPa
[†] Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.	

Product Type	
SP	Subplate

Port Location	
S	Side ported
B	Back Ported

Port Threads	
6P	0.38-18 NPTF ANSI B1.20.3
8P	0.50-14 NPTF ANSI B1.20.3
8S	-8 SAE ISO 11926; SAE 1926
8B	0.50-14 BSPP ISO 1179; BS 2779
8M	M18 x 1.5 ISO 6149
8T	0.50-14 BSPT ISO 7; BS 21

Valve Pattern	
D05	ISO 4401-05-04 NFFPA T3.5.1-D05 See Tech Information

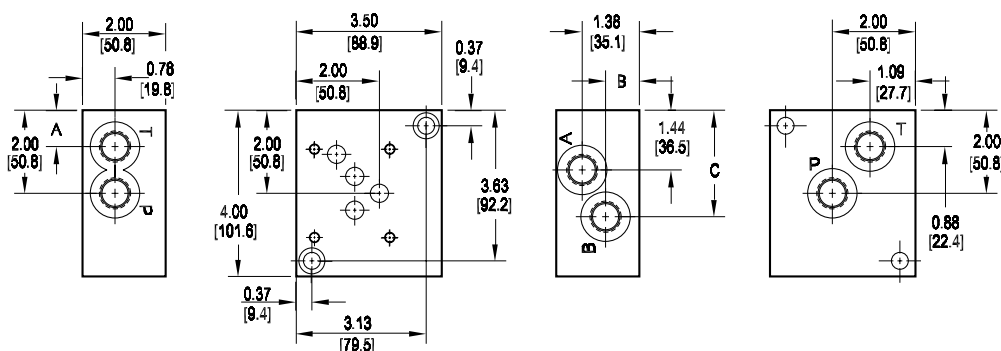
D05 Subplates

Dual Ported Subplate

Valve mtg: UNC 0.25-20 x 0.56 DP or
Metric M6-1.0mm ISO 6H x [14.2] DP

Subplate hardware kit is supplied.

See page 121 for itemized list.



Dimension	A	B	C
*D05SPSB8B	0.66 [16.7]	0.78 [19.8]	2.81 [71.4]
*D05SPSB8[M,P,S,T]	0.88 [22.2]	1.38 [35.1]	2.56 [65.1]

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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads																																
<table><tr><th colspan="2">Material</th></tr><tr><td>A</td><td>Aluminum - 6061-T6 3000† psi • 20.7 MPa</td></tr><tr><td>D</td><td>Ductile Iron - D4512 5000† psi • 34.5 MPa</td></tr><tr><td colspan="2">† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</td></tr></table>	Material		A	Aluminum - 6061-T6 3000† psi • 20.7 MPa	D	Ductile Iron - D4512 5000† psi • 34.5 MPa	† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.		<table><tr><th colspan="2">Valve Pattern</th></tr><tr><td>D05</td><td>ISO 4401-05-04 NFFPA T3.5.1-D05 See Tech Information</td></tr></table>	Valve Pattern		D05	ISO 4401-05-04 NFFPA T3.5.1-D05 See Tech Information	<table><tr><th colspan="2">Product Type</th></tr><tr><td>SP</td><td>Subplate</td></tr></table>	Product Type		SP	Subplate	<table><tr><th colspan="2">Port Location</th></tr><tr><td>SB</td><td>Side P,A,B,T ports Back P & T ports</td></tr></table>	Port Location		SB	Side P,A,B,T ports Back P & T ports	<table><tr><th colspan="2">Port Threads</th></tr><tr><td>8P</td><td>0.50-14 NPTF ANSI B1.20.3</td></tr><tr><td>8S</td><td>-8 SAE ISO 11926; SAE 1926</td></tr><tr><td>8B</td><td>0.50-14 BSPP ISO 1179; BS 2779</td></tr><tr><td>8M</td><td>M18 x 1.5 ISO 6149</td></tr><tr><td>8T</td><td>0.50-14 BSPT ISO 7; BS 21</td></tr></table>	Port Threads		8P	0.50-14 NPTF ANSI B1.20.3	8S	-8 SAE ISO 11926; SAE 1926	8B	0.50-14 BSPP ISO 1179; BS 2779	8M	M18 x 1.5 ISO 6149	8T	0.50-14 BSPT ISO 7; BS 21
Material																																				
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D	Ductile Iron - D4512 5000† psi • 34.5 MPa																																			
† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.																																				
Valve Pattern																																				
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Product Type																																				
SP	Subplate																																			
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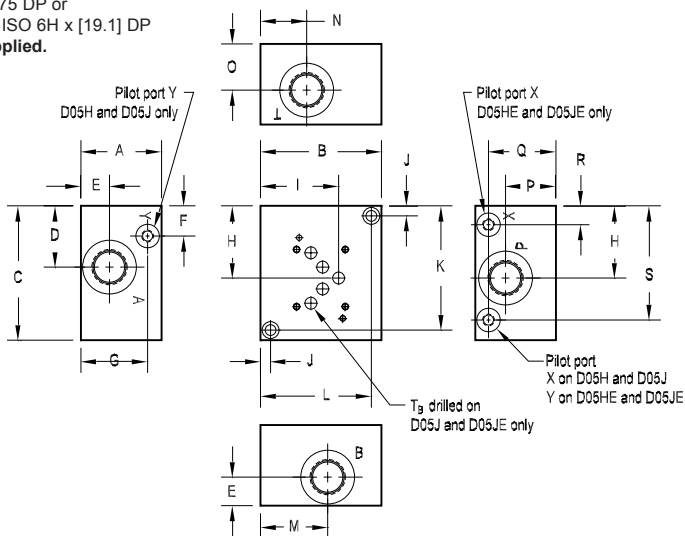
D05 High Flow Subplates with Pilot Ports

Side Ported Subplate

Valve mtg: UNC 0.25-20 x 0.75 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP

Subplate hardware kit is supplied.

See page 121 for itemized list.



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
D05HSPS12	1.75 [44.5]	3.75 [95.3]	4.75 [120.7]	2.13 [54.1]	0.88 [22.4]	0.81 [20.6]	0.88 [22.4]	2.37 [60.2]	2.53 [64.3]	0.38 [9.5]	4.37 [111.0]	3.38 [85.9]	1.88 [47.8]	1.88 [47.8]	0.88 [22.4]	0.88 [22.4]	0.88 [22.4]	--	3.94 [100.1]
D05HESPS12	1.75 [44.5]	3.75 [95.3]	4.75 [120.7]	2.13 [54.1]	0.88 [22.4]	--	--	2.37 [60.2]	2.53 [64.3]	0.38 [9.5]	4.37 [111.0]	3.38 [85.9]	1.88 [47.8]	1.88 [47.8]	0.88 [22.4]	0.88 [22.4]	0.44 [11.2]	1.00 [25.4]	3.94 [100.1]
D05JSPS16	3.00 [76.2]	4.50 [114.3]	5.00 [127.0]	2.28 [57.9]	1.06 [27.0]	1.25 [31.8]	2.50 [63.5]	2.69 [68.3]	2.91 [73.8]	0.38 [9.5]	4.63 [117.5]	4.13 [104.8]	2.50 [63.5]	1.72 [43.7]	1.72 [43.7]	1.88 [47.6]	2.50 [63.5]	--	4.19 [106.4]
D05JESPS16	3.00 [76.2]	4.50 [114.3]	5.00 [127.0]	2.28 [57.9]	1.06 [27.0]	--	--	2.69 [68.3]	2.91 [73.8]	0.38 [9.5]	4.63 [117.5]	4.13 [104.8]	2.50 [63.5]	1.72 [43.7]	1.72 [43.7]	1.88 [47.6]	2.25 [57.2]	1.13 [28.6]	4.25 [108.0]

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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
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Material	
A	Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa
D	Ductile Iron - D4512 5000 [†] psi • 34.5 MPa

[†] Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.

Valve Pattern	
See Tech Information	
D05H	(USA std.) NFPA T3.5.1-D05 Alt B High flow
D05HE	ISO 4401-05-05 NFPA T3.5.1-D05 Alt A High flow
D05J	(USA std.) NFPA T3.5.1-D05 Alt B Extra high flow
D05JE	ISO 4401-05-05 NFPA T3.5.1-D05 Alt A Extra high flow

Port Location	
S	Side ported

P, T, A, B Port Threads			X & Y port size (reference)
D05H or D05HE only	D05J or D05JE only		
12P	0.75-14 NPTF ANSI B1.20.3	16P	1.00-11.5 NPTF ANSI B1.20.3
12S	-12 SAE ISO 11926; SAE 1926	16S	-16 SAE ISO 11926; SAE 1926
12B	0.75-14 BSPP ISO 1179; BS 2779	16B	1.00-11 BSPP ISO 1179; BS 2779
12M	M27 x 2.0 ISO 6149	16M	M33 x 2.0 ISO 6149
12T	0.75-14 BSPT ISO 7; BS 21	16T	1.00-11 BSPT ISO 7; BS 21

Product Type	
SP	Subplate

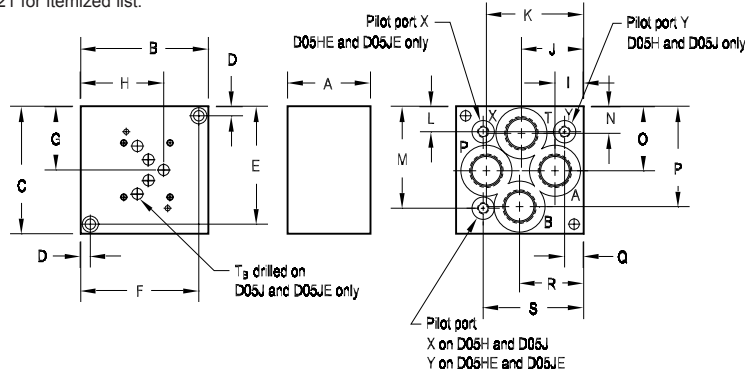
D05 High Flow Subplates with Pilot Ports

Back Ported Subplate

Valve mtg: UNC 0.25-20 x 0.75 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP

Subplate hardware kit is supplied.

See page 121 for itemized list.



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
D05HSPB12	1.75 [44.5]	4.50 [114.3]	4.75 [120.7]	0.38 [9.5]	4.38 [111.3]	4.13 [104.9]	2.37 [60.2]	2.91 [73.9]	1.13 [28.6]	2.19 [55.6]	3.31 [84.1]	0.88 [22.2]	3.88 [98.4]	1.13 [28.7]	2.38 [60.5]	3.56 [90.4]	0.59 [15.1]	2.25 [57.2]	3.56 [90.5]
D05HESPB12	1.75 [44.5]	4.50 [114.3]	4.75 [120.7]	0.38 [9.5]	4.38 [111.3]	4.13 [104.9]	2.37 [60.2]	2.91 [73.9]	1.13 [28.6]	2.25 [57.2]	3.31 [84.1]	0.81 [20.6]	3.94 [100.1]	1.13 [28.7]	2.38 [60.5]	3.56 [90.4]	--	2.25 [57.2]	3.50 [88.9]
*D05JSPB16B	3.25 [82.6]	5.00 [127.0]	5.00 [127.0]	0.38 [9.5]	4.63 [117.5]	4.63 [117.5]	2.50 [63.5]	3.25 [82.6]	1.00 [25.4]	2.44 [61.9]	3.84 [97.6]	0.88 [22.2]	4.13 [104.8]	1.00 [25.4]	2.53 [64.3]	4.00 [101.6]	0.75 [19.1]	2.44 [61.9]	4.25 [108.0]
*D05JSPB16[M,P,S,T]	3.25 [82.6]	5.00 [127.0]	5.00 [127.0]	0.38 [9.5]	4.63 [117.5]	4.63 [117.5]	2.50 [63.5]	3.25 [82.6]	1.13 [28.6]	2.44 [61.9]	3.81 [96.8]	1.06 [27.0]	4.00 [101.6]	1.06 [27.0]	2.53 [64.3]	3.94 [100.1]	0.75 [19.1]	2.44 [61.9]	3.94 [100.1]
D05JESPB16	3.25 [82.6]	5.00 [127.0]	5.00 [127.0]	0.38 [9.5]	4.63 [117.5]	4.63 [117.5]	2.50 [63.5]	3.25 [82.6]	1.00 [25.4]	2.44 [61.9]	3.84 [97.6]	1.06 [27.0]	4.00 [101.6]	1.06 [27.0]	2.53 [64.3]	4.00 [101.6]	--	2.44 [61.9]	3.94 [100.1]

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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
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Material	
A	Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa
D	Ductile Iron - D4512 5000 [†] psi • 34.5 MPa

[†] Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.

Valve Pattern	
See Tech Information	
D05H	(USA std.) NFPA T3.5.1-D05 Alt B High flow
D05HE	ISO 4401-05-05 NFPA T3.5.1-D05 Alt A High flow
D05J	(USA std.) NFPA T3.5.1-D05 Alt B Extra high flow
D05JE	ISO 4401-05-05 NFPA T3.5.1-D05 Alt A Extra high flow

Port Location	
B	Back ported

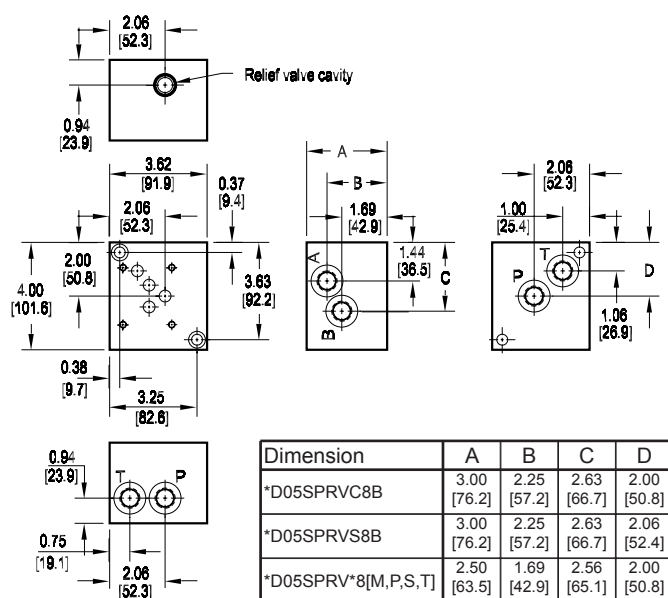
P, T, A, B Port Threads				X & Y port size (reference)
D05H or D05HE only		D05J or D05JE only		
12P	0.75-14 NPTF ANSI B1.20.3	16P	1.00-11.5 NPTF ANSI B1.20.3	0.25-18 NPTF ANSI B1.20.3
12S	-12 SAE ISO 11926; SAE 1926	16S	-16 SAE ISO 11926; SAE 1926	-4 SAE ISO 11926; SAE 1926
12B	0.75-14 BSPP ISO 1179; BS 2779	16B	1.00-11 BSPP ISO 1179; BS 2779	0.25-19 BSPP ISO 1179; BS 2779
12M	M27 x 2.0 ISO 6149	16M	M33 x 2.0 ISO 6149	M10 x 1.0 ISO 6149
12T	0.75-14 BSPT ISO 7: BS 21	16T	1.00-11 BSPT ISO 7: BS 21	0.25-19 BSPT ISO 7: BS 21

Product Type	
SP	Subplate

D05 Subplates with Relief Cavity

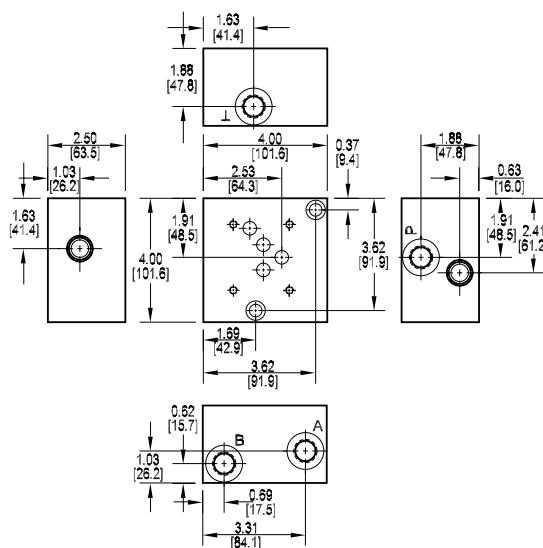
Dual Ported Subplate with Main Relief Cavity

Valve mtg: UNC 0.25-20 x 0.75 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP
Subplate hardware kit is supplied.
See page 121 for itemized list.



Side Ported Subplate with Cylinder Port Crossover Relief Cavities

Valve mtg: UNC 0.25-20 x 0.75 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP
Subplate hardware kit is supplied.
See page 122 for itemized list.



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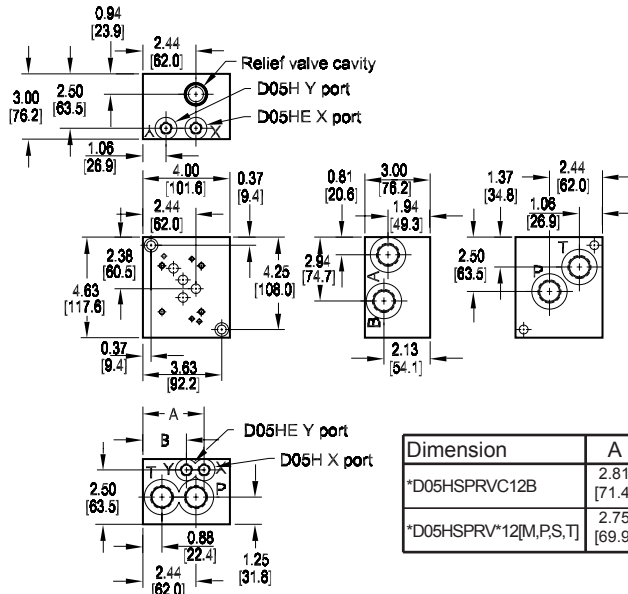
Ordering Information

Material		Valve Pattern		Product Type		Circuit		Relief Cavity		Port Threads																																									
<table><tr><th colspan="2">Material</th></tr><tr><td>A</td><td>Aluminum - 6061-T6 3000† psi • 20.7 MPa</td></tr><tr><td>D</td><td>Ductile Iron - D4512 5000† psi • 34.5 MPa</td></tr><tr><td colspan="2">† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</td></tr></table>		Material		A	Aluminum - 6061-T6 3000† psi • 20.7 MPa	D	Ductile Iron - D4512 5000† psi • 34.5 MPa	† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.		<table><tr><th colspan="2">Valve Pattern</th></tr><tr><td>D05</td><td>ISO 4401-05-04 NFPA T3.5.1-D05 See Tech Information</td></tr></table>		Valve Pattern		D05	ISO 4401-05-04 NFPA T3.5.1-D05 See Tech Information	<table><tr><th colspan="2">Product Type</th></tr><tr><td>SP</td><td>Subplate</td></tr></table>		Product Type		SP	Subplate	<table><tr><th colspan="2">Circuit</th></tr><tr><td>RV</td><td>Main Relief P to T</td></tr><tr><td>CR</td><td>Crossover Reliefs A to B and B to A</td></tr></table>		Circuit		RV	Main Relief P to T	CR	Crossover Reliefs A to B and B to A	<table><tr><th colspan="2">Relief Cavity</th></tr><tr><td>C</td><td>Common cavity C-10-2 (P in nose)</td></tr><tr><td>S</td><td>Sun Cavity T-10A (P in nose) See Tech Info for valves.</td></tr></table>		Relief Cavity		C	Common cavity C-10-2 (P in nose)	S	Sun Cavity T-10A (P in nose) See Tech Info for valves.	<table><tr><th colspan="2">Port Threads</th></tr><tr><td>8P</td><td>0.50-14 NPTF ANSI B1.20.3</td></tr><tr><td>8S</td><td>-8 SAE ISO 11926; SAE 1926</td></tr><tr><td>8B</td><td>0.50-14 BSPP ISO 1179; BS 2779</td></tr><tr><td>8M</td><td>M18 x 1.5 ISO 6149</td></tr><tr><td>8T</td><td>0.50-14 BSPT ISO 7; BS 21</td></tr></table>		Port Threads		8P	0.50-14 NPTF ANSI B1.20.3	8S	-8 SAE ISO 11926; SAE 1926	8B	0.50-14 BSPP ISO 1179; BS 2779	8M	M18 x 1.5 ISO 6149	8T	0.50-14 BSPT ISO 7; BS 21
Material																																																			
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa																																																		
D	Ductile Iron - D4512 5000† psi • 34.5 MPa																																																		
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Valve Pattern																																																			
D05	ISO 4401-05-04 NFPA T3.5.1-D05 See Tech Information																																																		
Product Type																																																			
SP	Subplate																																																		
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RV	Main Relief P to T																																																		
CR	Crossover Reliefs A to B and B to A																																																		
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C	Common cavity C-10-2 (P in nose)																																																		
S	Sun Cavity T-10A (P in nose) See Tech Info for valves.																																																		
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8M	M18 x 1.5 ISO 6149																																																		
8T	0.50-14 BSPT ISO 7; BS 21																																																		

D05 High Flow Subplates with Pilot Ports and Relief Cavity

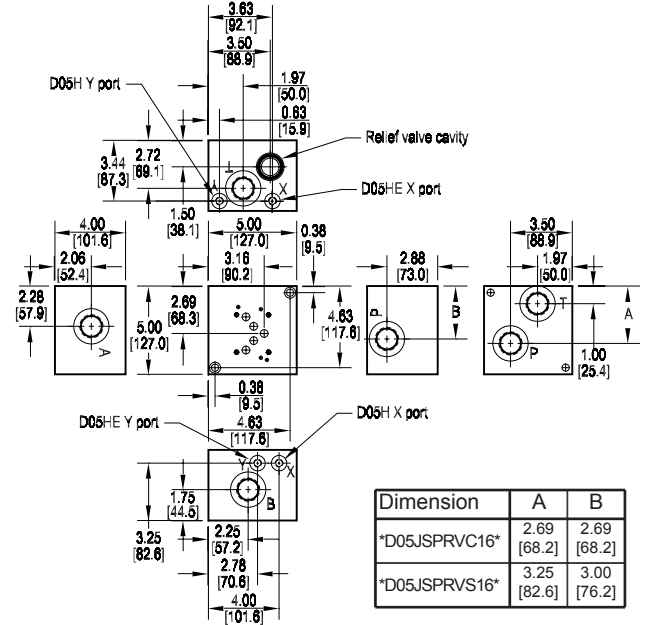
D05H High Flow Subplate with Main Relief Cavity

Valve mtg: UNC 0.25-20 x 0.75 DP or Metric M6-1.0mm ISO 6H x [19.1] DP
Subplate hardware kit is supplied. See page 121 for itemized list.



D05J Extra High Flow Subplate with Main Relief Cavity

Valve mtg: UNC 0.25-20 x 0.75 DP or Metric M6-1.0mm ISO 6H x [19.1] DP
Subplate hardware kit is supplied. See page 122 for itemized list.



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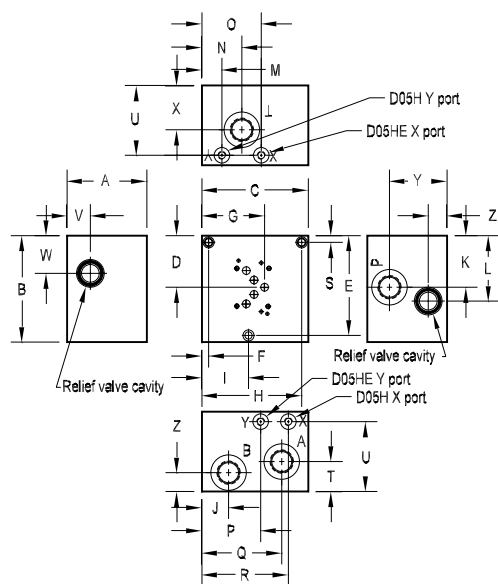
Ordering Information

Material		Valve Pattern		Product Type		Circuit		Relief Cavity		Port Threads			
Material		Product Type		Circuit		P, T, A,B Port Threads							
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa	SP	Subplate	RV	Main Relief P to T	Relief Cavity		D05H only		D05J only		X & Y port size (reference)	
D	Ductile Iron - D4512 5000† psi • 34.5 MPa					C	Common cavity C-10-2 on D05H (P in nose) C-16-2 on D05J (P in nose)	12P	0.75-14 NPTF ANSI B1.20.3	16P	1.00-11.5 NPTF ANSI B1.20.3		0.25-18 NPTF ANSI B1.20.3
† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.						S	Sun Cavity T-3A on D05H (P in nose) T-16A on D05J (P in nose) See Tech Info for valves	12S	-12 SAE ISO 11926; SAE 1926	16S	-16 SAE ISO 11926; SAE 1926		-4 SAE ISO 11926; SAE 1926
								12B	0.75-14 BSPP ISO 1179; BS 2779	16B	1.00-11 BSPP ISO 1179; BS 2779		0.25-19 BSPP ISO 1179; BS 2779
								12M	M27 x 2.0 ISO 6149	16M	M33 x 2.0 ISO 6149		M10 x 1.0 ISO 6149
								12T	0.75-14 BSPT ISO 7; BS 21	16T	1.00-11 BSPT ISO 7; BS 21		0.25-19 BSPT ISO 7; BS 21

D05 High Flow Subplates with Pilot Ports and Relief Cavity

Side Ported Subplate with Cylinder Port
Crossover Relief Cavities

Valve mtg: UNC 0.25-20 x 0.75 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP
Subplate hardware kit is supplied.
See page 122 for itemized list.



Dimension	A	B	C	D	E	F	G	H	I
*D05HSPCR*12*	4.50 [114.3]	5.00 [127.0]	5.00 [127.0]	2.41 [61.1]	4.63 [117.5]	--	3.03 [77.0]	4.63 [117.5]	2.13 [54.0]
*D05JSPCR*16*	4.50 [114.3]	5.00 [127.0]	5.00 [127.0]	2.41 [61.1]	4.63 [117.5]	--	3.03 [77.0]	4.63 [117.5]	2.13 [54.0]
*D05JSPCRS*16*	4.50 [114.3]	6.00 [152.4]	6.00 [152.4]	2.91 [73.8]	5.63 [142.9]	0.38 [9.7]	3.53 [89.7]	5.63 [142.9]	2.63 [66.7]

Dimension	J	K	L	M	N	O	P	Q	R
*D05HSPCR*12*	1.00 [25.4]	2.41 [61.1]	3.00 [76.2]	0.63 [15.9]	2.00 [50.8]	2.85 [72.3]	2.81 [71.4]	4.00 [101.6]	4.38 [111.1]
*D05JSPCR*16*	1.00 [25.4]	2.41 [61.1]	3.00 [76.2]	0.63 [15.9]	1.75 [44.5]	2.85 [72.3]	2.81 [71.4]	4.00 [101.6]	4.38 [111.1]
*D05JSPCRS*16*	1.50 [38.1]	2.91 [73.8]	3.69 [93.7]	1.13 [28.6]	2.25 [57.2]	3.35 [85.0]	3.31 [84.1]	4.50 [114.3]	4.88 [124.0]

Dimension	S	T	U	V	W	X	Y	Z
*D05HSPCR*12*	0.38 [9.5]	1.69 [42.9]	3.94 [100.0]	1.47 [37.3]	1.75 [44.5]	2.50 [63.5]	3.25 [82.6]	1.28 [32.5]
*D05HSPCRS*12*	0.38 [9.5]	1.69 [42.9]	3.94 [100.0]	1.31 [33.3]	1.75 [44.5]	2.50 [63.5]	3.25 [82.6]	1.06 [27.0]
*D05JSPCR*16*	0.38 [9.5]	1.69 [42.9]	3.94 [100.0]	1.31 [33.3]	1.75 [44.5]	2.50 [63.5]	3.25 [82.6]	1.06 [27.0]
*D05JSPCRS*16*	0.38 [9.5]	1.69 [42.9]	3.94 [100.0]	1.31 [33.3]	2.13 [54.0]	2.50 [63.5]	3.25 [82.6]	1.06 [27.0]

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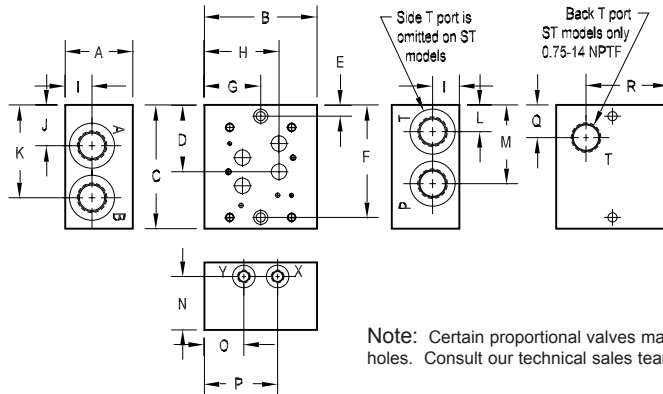
Ordering Information

Material		Valve Pattern		Product Type		Circuit		Relief Cavity		Port Threads																														
Material A Aluminum - 6061-T6 3000† psi • 20.7 MPa D Ductile Iron - D4512 5000† psi • 34.5 MPa † Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.		Product Type SP Subplate		Circuit CR Crossover Reliefs A to B and B to A		Relief Cavity C Common cavity C-10-2 on D05H (P in nose) C-16-2 on D05J (P in nose) S Sun Cavity T-3A on D05H (P in nose) T-16A on D05J (P in nose) See Tech Info for valves		P, T, A, B Port Threads <table><tr><th colspan="2">D05H only</th><th colspan="2">D05J only</th><th rowspan="2">X & Y port size (reference)</th></tr><tr><th>12P</th><th>16P</th><th>12S</th><th>16S</th></tr><tr><td>0.75-14 NPTF ANSI B1.20.3</td><td>1.00-11.5 NPTF ANSI B1.20.3</td><td>-12 SAE ISO 11926; SAE 1926</td><td>-16 SAE ISO 11926; SAE 1926</td><td>0.25-18 NPTF ANSI B1.20.3</td></tr><tr><td>0.75-14 BSPP ISO 1179; BS 2779</td><td>1.00-11 BSPP ISO 1179; BS 2779</td><td>0.75-14 BSPP ISO 1179; BS 2779</td><td>1.00-11 BSPP ISO 1179; BS 2779</td><td>0.25-19 BSPP ISO 1179; BS 2779</td></tr><tr><td>M27 x 2.0 ISO 6149</td><td>M33 x 2.0 ISO 6149</td><td>12M</td><td>16M</td><td>M10 x 1.0 ISO 6149</td></tr><tr><td>0.75-14 BSPT ISO 7; BS 21</td><td>1.00-11 BSPT ISO 7; BS 21</td><td>12T</td><td>16T</td><td>0.25-19 BSPT ISO 7; BS 21</td></tr></table>				D05H only		D05J only		X & Y port size (reference)	12P	16P	12S	16S	0.75-14 NPTF ANSI B1.20.3	1.00-11.5 NPTF ANSI B1.20.3	-12 SAE ISO 11926; SAE 1926	-16 SAE ISO 11926; SAE 1926	0.25-18 NPTF ANSI B1.20.3	0.75-14 BSPP ISO 1179; BS 2779	1.00-11 BSPP ISO 1179; BS 2779	0.75-14 BSPP ISO 1179; BS 2779	1.00-11 BSPP ISO 1179; BS 2779	0.25-19 BSPP ISO 1179; BS 2779	M27 x 2.0 ISO 6149	M33 x 2.0 ISO 6149	12M	16M	M10 x 1.0 ISO 6149	0.75-14 BSPT ISO 7; BS 21	1.00-11 BSPT ISO 7; BS 21	12T	16T	0.25-19 BSPT ISO 7; BS 21
D05H only		D05J only		X & Y port size (reference)																																				
12P	16P	12S	16S																																					
0.75-14 NPTF ANSI B1.20.3	1.00-11.5 NPTF ANSI B1.20.3	-12 SAE ISO 11926; SAE 1926	-16 SAE ISO 11926; SAE 1926	0.25-18 NPTF ANSI B1.20.3																																				
0.75-14 BSPP ISO 1179; BS 2779	1.00-11 BSPP ISO 1179; BS 2779	0.75-14 BSPP ISO 1179; BS 2779	1.00-11 BSPP ISO 1179; BS 2779	0.25-19 BSPP ISO 1179; BS 2779																																				
M27 x 2.0 ISO 6149	M33 x 2.0 ISO 6149	12M	16M	M10 x 1.0 ISO 6149																																				
0.75-14 BSPT ISO 7; BS 21	1.00-11 BSPT ISO 7; BS 21	12T	16T	0.25-19 BSPT ISO 7; BS 21																																				
Valve Pattern See Tech Information D05H ISO 4401-05-05 NFPA T3.5.1-D05 Alt A & B High flow D05J ISO 4401-05-05 NFPA T3.5.1-D05 Alt A & B Extra high flow																																								

D07 Subplates

Side Ported Subplate

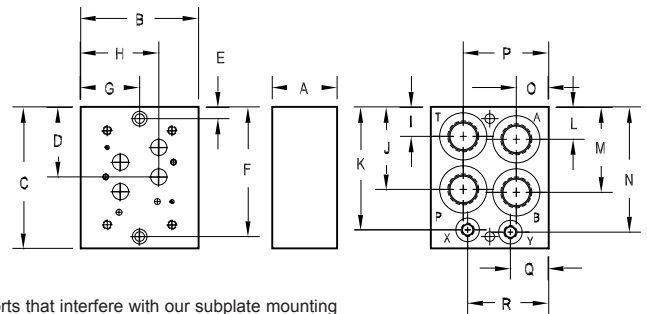
Valve mtg: UNC 0.25-20 x 0.75 DP and UNC 0.38-16 x 1.00 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP and M10-1.5mm ISO 6H x [25.4] DP
Subplate hardware kit is supplied.
See page 122 for itemized list.



Note: Certain proportional valves may have ports that interfere with our subplate mounting holes. Consult our technical sales team for information or custom subplate pricing.

Back Ported Subplate

Valve mtg: UNC 0.25-20 x 0.75 DP and UNC 0.38-16 x 1.00 DP or
Metric M6-1.0mm ISO 6H x [19.1] DP and M10-1.5mm ISO 6H x [25.4] DP
Subplate hardware kit is supplied.
See page 122 for itemized list.



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
D07SPSO12	1.75 [44.5]	3.75 [95.3]	4.75 [120.7]	2.34 [59.4]	0.38 [9.5]	4.38 [111.3]	1.88 [47.8]	2.69 [68.3]	0.81 [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]	--	--
D07SPST12	1.75 [44.5]	3.75 [95.3]	4.75 [120.7]	2.34 [59.4]	0.38 [9.5]	4.38 [111.3]	1.88 [47.8]	2.69 [68.3]	0.81 [20.6]	1.50 [38.1]	3.13 [79.5]	--	2.78 [70.6]	1.25 [31.8]	1.12 [28.4]	2.62 [66.5]	1.09 [27.7]	2.69 [68.3]
D07SPSO16	3.00 [76.2]	5.00 [127.0]	5.50 [139.7]	2.97 [75.4]	0.50 [12.7]	5.00 [127.0]	2.50 [63.5]	3.31 [84.2]	1.16 [29.5]	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]	--	--
*D07SPB12B	1.50 [38.1]	4.00 [101.6]	4.75 [120.7]	2.34 [59.4]	0.38 [9.5]	4.37 [111.0]	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]	1.13 [28.7]	2.94 [74.7]	1.13 [28.7]	2.94 [74.7]
*D07SPB12[M,P,S,T]	1.50 [38.1]	4.00 [101.6]	4.75 [120.7]	2.34 [59.4]	0.38 [9.5]	4.37 [111.0]	2.00 [50.8]	2.81 [71.4]	1.09 [27.7]	2.81 [71.4]	4.00 [101.6]	1.25 [31.8]	2.91 [73.9]	4.09 [103.9]	1.13 [28.7]	2.94 [74.7]	1.13 [28.7]	2.94 [74.7]
D07SPB16	2.75 [69.9]	5.00 [101.6]	6.00 [152.4]	2.97 [75.4]	0.50 [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]

Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation.
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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
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Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa
† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.	

Valve Pattern	
D07	ISO 4401-07-06 NFFPA T3.5.1-D07 See Tech Information

Port Location	
SO	Side ported
ST	Side P,A,B ports Back T port. Available on 12P and 12S only
B	Back ported

Product Type	
SP	Subplate

P, T, A, B Port Threads*				X & Y port size (reference)
12P	0.75-14 NPTF ANSI B1.20.3	16P	1.00-11.5 NPTF ANSI B1.20.3	0.25-18 NPTF ANSI B1.20.3
12S	-12 SAE ISO 11926; SAE 1926	16S	-16 SAE ISO 11926; SAE 1926	-6 SAE ISO 11926; SAE 1926
12B	0.75-14 BSPP ISO 1179; BS 2779	16B	1.00-11 BSPP ISO 1179; BS 2779	0.25-19 BSPP ISO 1179; BS 2779
12M	M27 x 2.0 ISO 6149	16M	M33 x 2.0 ISO 6149	M14 x 1.5 ISO 6149
12T	0.75-14 BSPT ISO 7; BS 21	16T	1.00-11 BSPT ISO 7; BS 21	0.25-19 BSPT ISO 7; BS 21

* T port is always 0.75-14 NPTF on ST models.

D07 Subplates with Relief Cavity

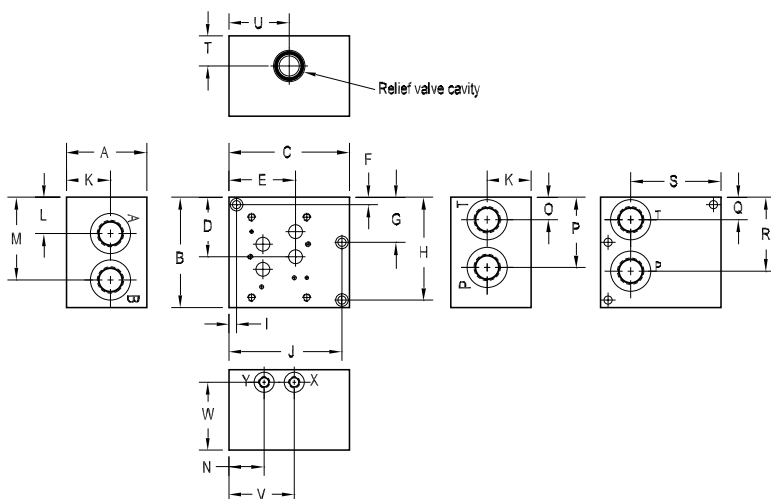
Dual Ported Subplate with Main Relief Cavity

Valve mtg: UNC 0.25-20 x 0.50 DP and UNC 0.38-16 x 0.75 DP or

Metric M6-1.0mm ISO 6H x [12.7] DP and M10-1.5mm ISO 6H x [19.1] DP

Subplate hardware kit is supplied.

See page 122 for itemized list.



Dimension	A	B	C	D	E	F	G	H
D07SPRVC12	2.75 [69.9]	4.75 [120.7]	4.00 [101.6]	2.34 [59.4]	2.81 [71.4]	0.38 [9.5]	--	4.37 [111.0]
D07SPRVS12	2.50 [63.5]	4.75 [120.7]	4.00 [101.6]	2.34 [59.4]	2.81 [71.4]	0.38 [9.5]	--	4.37 [111.0]
D07SPRVC16	4.00 [101.6]	5.50 [139.7]	6.00 [152.4]	2.97 [75.4]	3.31 [84.2]	0.38 [9.5]	2.25 [57.2]	5.13 [130.2]
D07SPRVS16	4.00 [101.6]	5.50 [139.7]	6.00 [152.4]	2.97 [75.4]	3.31 [84.2]	0.38 [9.5]	2.25 [57.2]	5.13 [130.2]

Dimension	I	J	K	L	M	N	O	P
D07SPRVC12	1.38 [35.1]	2.00 [50.8]	1.50 [38.1]	1.50 [38.1]	3.12 [79.2]	1.19 [30.2]	1.19 [30.2]	2.78 [70.6]
D07SPRVS12	1.38 [35.1]	2.00 [50.8]	1.25 [31.8]	1.50 [38.1]	3.12 [79.2]	1.19 [30.2]	1.19 [30.2]	2.78 [70.6]
D07SPRVC16	0.38 [9.5]	5.63 [142.9]	2.19 [55.6]	1.81 [46.0]	4.13 [104.8]	1.75 [44.5]	1.00 [25.4]	3.50 [88.9]
D07SPRVS16	0.38 [9.5]	5.63 [142.9]	2.19 [55.6]	1.81 [46.0]	4.13 [104.8]	1.75 [44.5]	1.13 [28.6]	3.50 [88.9]

Dimension	Q	R	S	T	U	V	W
D07SPRVC12	1.13 [28.6]	2.75 [69.9]	2.81 [71.4]	1.75 [44.5]	2.22 [56.4]	2.81 [71.4]	2.25 [57.2]
D07SPRVS12	1.13 [28.6]	2.75 [69.9]	2.81 [71.4]	1.25 [31.8]	2.31 [58.7]	2.81 [71.4]	2.00 [50.8]
D07SPRVC16	1.13 [28.6]	3.69 [93.7]	4.50 [114.3]	1.50 [38.1]	3.00 [76.2]	3.25 [82.6]	3.38 [85.7]
D07SPRVS16	1.13 [28.6]	3.69 [93.7]	4.50 [114.3]	1.50 [38.1]	3.00 [76.2]	3.25 [82.6]	3.38 [85.7]

Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation. Download latest catalog page revisions at www.daman.com.

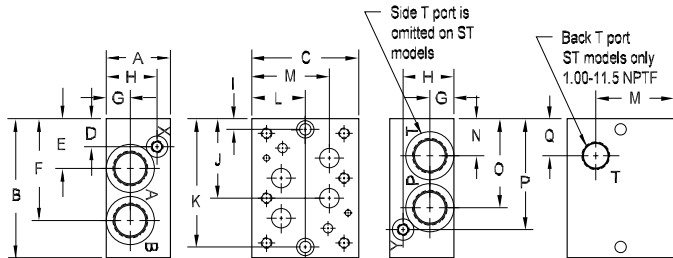
Ordering Information

Material	Valve Pattern	Product Type	Circuit	Relief Cavity	Port Threads
Material A Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa D Ductile Iron - D4512 5000 [†] psi • 34.5 MPa [†] Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.	Valve Pattern D07 ISO 4401-07-06 NFA T3.5.1-D07 See Tech Information	Product Type SP Subplate	Circuit RV Main Relief P to T	Relief Cavity C Common cavity C-10-2 w/ 12* ports (P in nose) C-16-2 w/ 16* ports (P in nose) S Sun Cavity T-3A w/ 12* ports (P in nose) T-16A w/ 16* ports (P in nose) See Tech Info for valves	P, T, A, B Port Threads 12P 0.75-14 NPTF ANSI B1.20.3 12S -12 SAE ISO 11926; SAE 1926 12B 0.75-14 BSPP ISO 1179; BS 2779 12M M27 x 2.0 ISO 6149 12T 0.75-14 BSPT ISO 7; BS 21 16P 1.00-11.5 NPTF ANSI B1.20.3 16S -16 SAE ISO 11926; SAE 1926 16B 1.00-11 BSPP ISO 1179; BS 2779 16M M33 x 2.0 ISO 6149 16T 1.00-11 BSPT ISO 7; BS 21 X & Y port size (reference) 0.25-18 NPTF ANSI B1.20.3 -6 SAE ISO 11926; SAE 1926 0.25-19 BSPP ISO 1179; BS 2779 M14 x 1.5 ISO 6149 0.25-19 BSPT ISO 7; BS 21

D08 Subplates

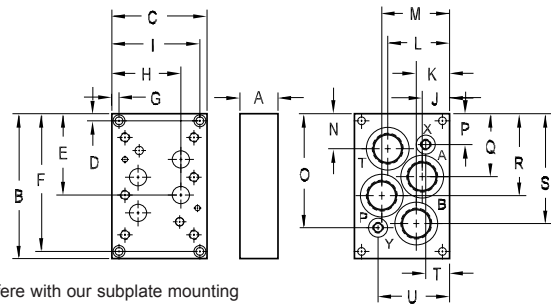
Side Ported Subplate

Valve mtg: UNC 0.50-13 x 1.19 DP or
Metric M12-1.75mm ISO 6H x [30.2] DP
Subplate hardware kit is supplied.
See page 122 for itemized list.



Back Ported Subplate

Valve mtg: UNC 0.50-13 x 1.19 DP or
Metric M12-1.75mm ISO 6H x [30.2] DP
Subplate hardware kit is supplied.
See page 122 for itemized list.



Note: Certain proportional valves may have ports that interfere with our subplate mounting holes. Consult our technical sales team for information or custom subplate pricing.

Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
*D08SPSO12P, *D08SPSO16*	2.00 [50.8]	6.13 [155.7]	4.50 [114.3]	1.19 [30.2]	2.53 [64.3]	4.53 [115.1]	1.00 [25.4]	1.00 [25.4]	0.50 [12.7]	3.53 [89.7]	5.62 [142.7]	2.25 [57.2]	3.38 [85.9]	1.56 [39.7]	3.59 [91.2]	4.94 [125.5]	--	--	--	--	--
*D08SPST12P, *D08SPST16*	2.00 [50.8]	6.13 [155.7]	4.50 [114.3]	1.19 [30.2]	2.53 [64.3]	4.53 [115.1]	1.00 [25.4]	1.00 [25.4]	0.50 [12.7]	3.53 [89.7]	5.62 [142.7]	2.25 [57.2]	3.38 [85.9]	--	3.59 [91.2]	4.94 [125.5]	1.66 [42.1]	3.38 [85.9]	--	--	--
D08SPSO20	3.00 [76.2]	6.50 [165.1]	5.00 [127.0]	1.31 [33.3]	2.33 [59.2]	4.77 [121.2]	1.13 [28.6]	2.38 [60.3]	0.50 [12.7]	3.72 [94.5]	6.00 [152.4]	2.50 [63.5]	3.63 [92.2]	1.73 [43.9]	4.17 [105.9]	5.19 [131.8]	--	--	--	--	--
*D08SPSO20M	4.00 [101.6]	6.50 [165.1]	5.00 [127.0]	1.38 [34.9]	2.33 [59.2]	4.77 [121.2]	1.63 [41.3]	3.13 [79.4]	0.50 [12.7]	3.72 [94.5]	6.00 [152.4]	2.50 [63.5]	3.63 [92.2]	1.73 [43.9]	4.17 [105.9]	5.13 [130.2]	--	--	--	--	--
*D08SPB16B	1.50 [38.1]	6.13 [155.7]	4.63 [117.6]	0.50 [12.7]	3.53 [89.7]	5.62 [142.7]	2.31 [58.7]	3.44 [87.4]	--	1.19 [30.2]	1.19 [30.2]	3.44 [87.4]	3.44 [87.4]	1.53 [38.9]	5.16 [131.0]	0.97 [24.6]	2.47 [62.7]	3.66 [92.9]	4.59 [116.7]	1.25 [31.8]	3.38 [85.9]
*D08SPB12P, *D08SPB16[M,P,S,T]	1.50 [38.1]	6.13 [155.7]	4.63 [117.6]	0.50 [12.7]	3.53 [89.7]	5.62 [142.7]	2.31 [58.7]	3.44 [87.4]	--	1.19 [30.2]	1.19 [30.2]	3.44 [87.4]	3.44 [87.4]	1.66 [42.2]	4.94 [125.5]	1.19 [30.2]	2.59 [65.8]	3.53 [89.7]	4.47 [113.5]	1.25 [31.8]	3.38 [85.9]
D08SPB20	2.00 [50.8]	7.63 [193.8]	5.00 [127.0]	0.38 [9.7]	4.28 [108.7]	7.25 [184.2]	0.38 [9.7]	3.63 [92.2]	4.63 [117.6]	1.44 [36.6]	1.75 [44.5]	3.25 [82.6]	3.56 [90.4]	1.84 [46.7]	6.00 [152.4]	1.63 [41.3]	3.31 [84.1]	4.31 [109.5]	5.78 [146.8]	1.44 [36.6]	3.56 [90.4]

Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation.
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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
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Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa

† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.

Product Type	
SP	Subplate

Port Location	
SO	Side ported
ST	Side P,A,B ports; back T port. Available on 12P, 16P and 16S only
B	Back ported

Valve Pattern	
D08	ISO 4401-08-07 NFPA T3.5.1-D08 See Tech Information

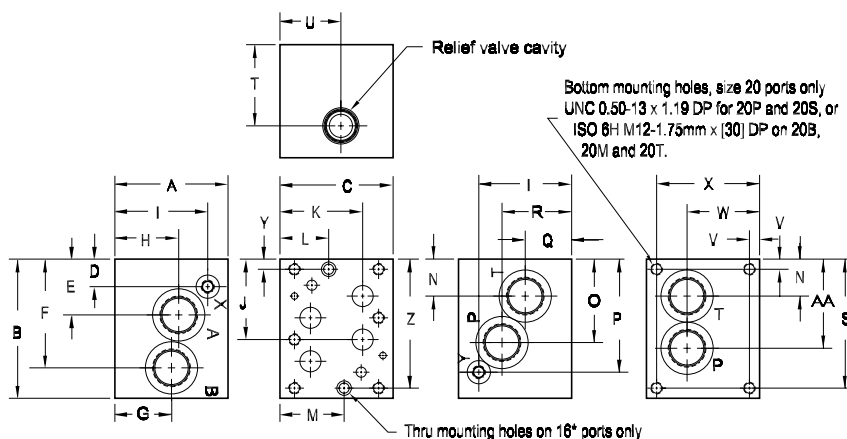
P, T, A, B Port Threads*				X & Y port size (reference)
12P	0.75-14 NPTF ANSI B1.20.3			0.25-18 NPTF ANSI B1.20.3
16P	1.00-11.5 NPTF ANSI B1.20.3	20P	1.25-11.5 NPTF ANSI B1.20.3	0.25-18 NPTF ANSI B1.20.3
16S	-16 SAE ISO 11926; SAE 1926	20S	-20 SAE ISO 11926; SAE 1926	-6 SAE ISO 11926; SAE 1926
16B	1.00-11 BSPP ISO 1179; BS 2779	20B	1.25-11 BSPP ISO 1179; BS 2779	0.25-19 BSPP ISO 1179; BS 2779
16M	M33 x 2.0 ISO 6149	20M	M42 x 2.0 ISO 6149	M14 x 1.5 ISO 6149
16T	1.00-11 BSPT ISO 7; BS 21	20T	1.25-11 BSPT ISO 7; BS 21	0.25-19 BSPT ISO 7; BS 21

* T port is always 1.00-11.5 NPTF on ST models.

D08 Subplates with Relief Valve

Dual Ported Subplate with Main Relief Cavity

Valve mtg: UNC 0.50-13 x 1.19 DP or
Metric M12-1.75mm ISO 6H x [30.2] DP
Subplate hardware kit is supplied.
See page 122 for itemized list.



Note: Certain proportional valves may have ports that interfere with our subplate mounting holes. Consult our technical sales team for information or custom subplate pricing.

Dimension	A	B	C	D	E	F	G
D08SPRVC16	3.00 [76.2]	6.00 [152.4]	4.50 [114.3]	0.91 [23.1]	2.41 [61.2]	4.53 [115.1]	1.87 [47.5]
D08SPRVS16	3.00 [76.2]	6.00 [152.4]	4.50 [114.3]	0.91 [23.1]	2.41 [61.2]	4.53 [115.1]	1.87 [47.5]
*D08SPRV*20*	4.88 [124.0]	6.00 [152.4]	4.88 [124.0]	1.19 [30.2]	2.41 [61.2]	4.69 [119.1]	2.75 [69.9]
*D08SPRV*20M	4.88 [124.0]	6.00 [152.4]	4.88 [124.0]	1.19 [30.2]	2.41 [61.2]	4.69 [119.1]	2.00 [50.8]

Dimension	H	I	J	K	L	M	N
D08SPRVC16	1.87 [47.5]	1.25 [31.8]	3.47 [88.1]	3.38 [85.9]	1.68 [42.7]	2.56 [65.0]	1.47 [37.3]
D08SPRVS16	1.87 [47.5]	1.25 [31.8]	3.47 [88.1]	3.38 [85.9]	1.68 [42.7]	2.56 [65.0]	1.47 [37.3]
*D08SPRV*20*	2.75 [69.9]	4.00 [101.6]	3.47 [88.1]	3.56 [90.4]	--	--	1.59 [40.4]
*D08SPRV*20M	2.75 [69.9]	4.00 [101.6]	3.47 [88.1]	3.56 [90.4]	--	--	1.59 [40.4]

Dimension	O	P	Q	R	S	T	U
D08SPRVC16	3.59 [91.2]	5.09 [129.3]	1.87 [47.5]	1.87 [47.5]	--	1.25 [31.8]	2.47 [62.7]
D08SPRVS16	3.59 [91.2]	5.09 [129.3]	1.87 [47.5]	1.87 [47.5]	--	1.87 [47.5]	2.81 [71.4]
*D08SPRV*20*	3.60 [91.4]	4.88 [124.0]	2.00 [50.8]	3.00 [76.2]	5.56 [141.2]	3.50 [88.9]	2.63 [66.7]
*D08SPRV*20M	4.00 [101.6]	4.88 [124.0]	2.00 [50.8]	2.38 [60.3]	5.56 [141.2]	3.50 [88.9]	2.63 [66.7]

Dimension	V	W	X	Y	Z	AA
D08SPRVC16	--	3.50 [88.9]	--	0.44 [11.2]	5.56 [141.2]	3.59 [91.2]
D08SPRVS16	--	3.50 [88.9]	--	0.44 [11.2]	5.56 [141.2]	3.59 [91.2]
*D08SPRV*20*	0.44 [11.2]	3.13 [79.5]	4.44 [112.8]	--	--	3.84 [97.6]
*D08SPRV*20M	0.44 [11.2]	3.13 [79.5]	4.44 [112.8]	--	--	4.00 [101.6]

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Ordering Information

Material	Valve Pattern	Product Type	Circuit	Relief Cavity	Port Threads
----------	---------------	--------------	---------	---------------	--------------

Material
A Aluminum - 6061-T6 3000 [†] psi • 20.7 MPa
D Ductile Iron - D4512 5000 [†] psi • 34.5 MPa
[†] Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.

Product Type
SP Subplate

Circuit
RV Main Relief P to T

Relief Cavity
C Common cavity C-10-2 w/ 16* ports (P in nose) C-16-2 w/ 20* ports (P in nose)
S Sun Cavity T-3A w/ 16* ports (P in nose) T-16A w/ 20* ports (P in nose) See Tech Info for valves

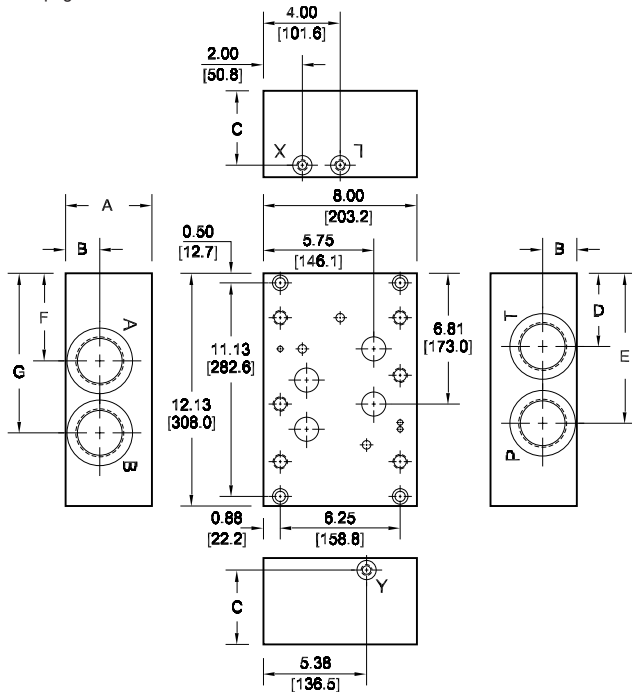
Valve Pattern
D08 ISO 4401-08-07 NFFPA T3.5.1-D08 See Technical Info

P, T, A, B Port Threads	X & Y port size (reference)
16P 1.00-11.5 NPTF ANSI B1.20.3	20P 1.25-11.5 NPTF ANSI B1.20.3
16S -16 SAE ISO 11926; SAE 1926	20S -20 SAE ISO 11926; SAE 1926
16B 1.00-11 BSPP ISO 1179; BS 2779	20B 1.25-11 BSPP ISO 1179; BS 2779
16M M33 x 2.0 ISO 6149	20M M42 x 2.0 ISO 6149
16T 1.00-11 BSPT ISO 7; BS 21	20T 1.25-11 BSPT ISO 7; BS 21

D10 Subplates

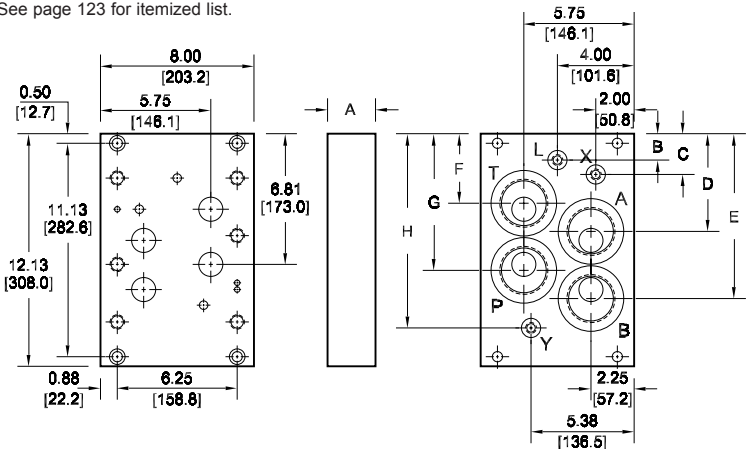
Side Ported Subplate

Valve mtg: UNC 0.75-10 x 1.63 [41.3] DP
Subplate hardware kit is supplied.
See page 123 for itemized list.



Back Ported Subplate

Valve mtg: UNC 0.75-10 x 1.63 [41.3] DP
Subplate hardware kit is supplied.
See page 123 for itemized list.



Dimension	A	B	C	D	E	F	G	H
*D10SPSO20P	3.50 [88.9]	1.75 [44.5]	2.88 [73.0]	3.81 [96.8]	7.13 [181.0]	5.22 [132.6]	8.31 [211.2]	--
D10SPSO24	4.00 [101.6]	1.75 [44.5]	3.38 [85.7]	3.81 [96.8]	7.13 [181.0]	5.22 [132.6]	8.31 [211.2]	--
D10SPSO32	4.50 [114.3]	1.78 [45.2]	3.88 [98.4]	3.81 [96.8]	7.81 [198.4]	4.56 [115.9]	8.31 [211.2]	--
*D10SPB20P	2.00 [50.8]	2.31 [58.7]	3.94 [100.0]	5.81 [147.6]	8.61 [218.7]	3.94 [100.0]	6.81 [173.0]	8.94 [227.0]
D10SPB24	2.50 [63.5]	1.38 [34.9]	2.13 [54.0]	5.09 [129.4]	8.59 [218.3]	3.63 [92.1]	7.13 [181.0]	10.13 [257.2]

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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
----------	---------------	--------------	---------------	--------------

Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa
† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.	

Product Type	
SP	Subplate

P, T, A, B Port Threads			X, Y, & L port size (reference)
20P	1.25-11.5 NPTF ANSI B1.20.3		0.38-18 NPTF ANSI B1.20.3
24P	1.50-11.5 NPTF ANSI B1.20.3	32P	2.00-11.5 NPTF ANSI B1.20.3
24S	-24 SAE ISO 11926; SAE 1926	32S	-32 SAE ISO 11926; SAE 1926
			-6 SAE ISO 11926; SAE 1926

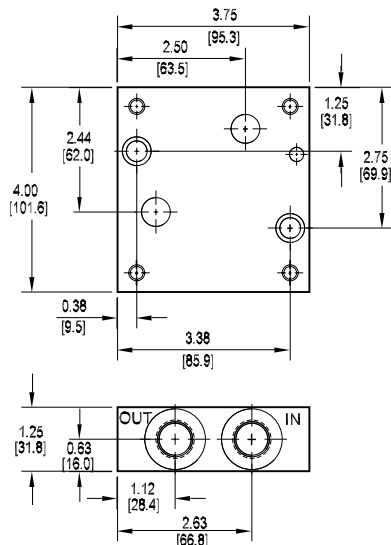
Valve Pattern	
D10	ISO 4401-10-08 NFFPA T3.5.1-D10 See Tech Information

Port Location	
SO	Side ported
B	Back ported

2F06, 2F07 Flow Control Subplates

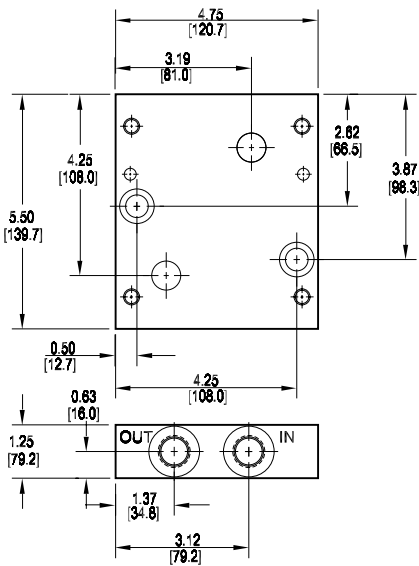
2F06 Side Ported Subplate

Valve mtg: UNC 0.31-18 x 0.88 DP
Subplate hardware kit is supplied.
See page 123 for itemized list.



2F07 Side Ported Subplate

Valve mtg: UNC 0.38-16 x 1.00 DP
Subplate hardware kit is supplied.
See page 123 for itemized list.



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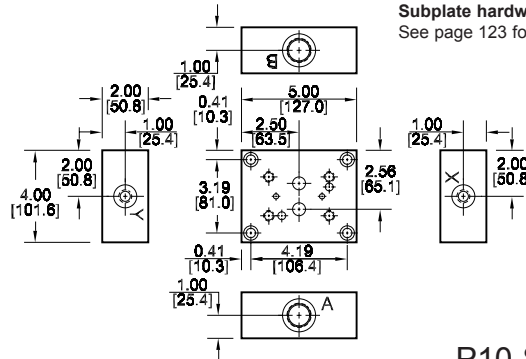
Ordering Information

Material		Valve Pattern		Product Type		Port Location		Port Threads																									
<table><tr><th colspan="2">Material</th></tr><tr><td>A</td><td>Aluminum - 6061-T6 3000† psi • 20.7 MPa</td></tr><tr><td>D</td><td>Ductile Iron - D4512 5000† psi • 34.5 MPa</td></tr><tr><td colspan="2">† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.</td></tr></table>		Material		A	Aluminum - 6061-T6 3000† psi • 20.7 MPa	D	Ductile Iron - D4512 5000† psi • 34.5 MPa	† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.				<table><tr><th colspan="2">Product Type</th></tr><tr><td>SP</td><td>Subplate</td></tr></table>		Product Type		SP	Subplate			<table><tr><th colspan="2">Port Threads</th></tr><tr><td colspan="2">2F06 only</td></tr><tr><td>6P</td><td>0.38-18 NPTF ANSI B1.20.3</td></tr><tr><td colspan="2">2F06 or 2F07</td></tr><tr><td>8P</td><td>0.50-14 NPTF ANSI B1.20.3</td></tr><tr><td>8S</td><td>-8 SAE ISO 11926; SAE 1926</td></tr></table>		Port Threads		2F06 only		6P	0.38-18 NPTF ANSI B1.20.3	2F06 or 2F07		8P	0.50-14 NPTF ANSI B1.20.3	8S	-8 SAE ISO 11926; SAE 1926
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P06, P08, P10 Pressure Control Subplates

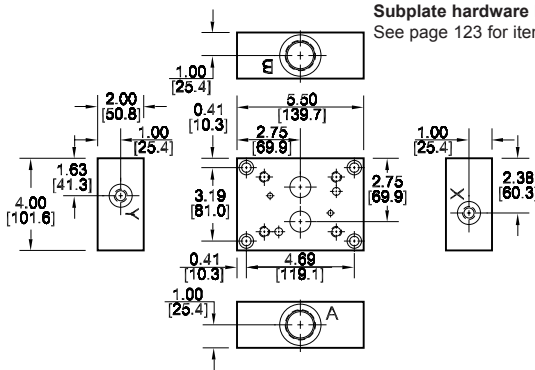
P06 Side Ported Subplate

Valve mtg: UNC 0.38-16 x 1.00 [25] DP
X & Y Ports: 0.38-18 NPTF or -6 SAE.
Subplate hardware kit is supplied.
See page 123 for itemized list.



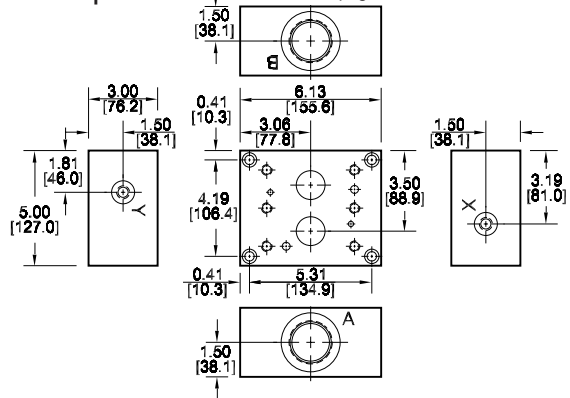
P08 Side Ported Subplate

Valve mtg: UNC 0.38-16 x 1.00 [25] DP
X & Y Ports: 0.38-18 NPTF or -6 SAE.
Subplate hardware kit is supplied.
See page 123 for itemized list.



P10 Side Ported Subplate

Valve mtg: UNC 0.38-16 x 1.00 [25] DP
X & Y Ports: 0.38-18 NPTF or -6 SAE.
Subplate hardware kit is supplied.
See page 123 for itemized list.



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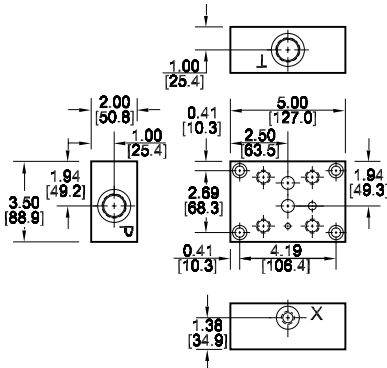
Ordering Information

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R06, R08, I08, R10, I10 Relief Valve Subplates

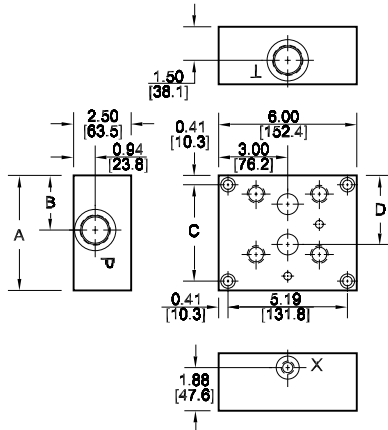
R06 (I06) Side Ported Subplate

Valve mtg: UNC 0.50-13 x 1.00 [25] DP
X Port: 0.38-18 NPTF or -6 SAE.
Subplate hardware kit is supplied.
See page 123 for itemized list.



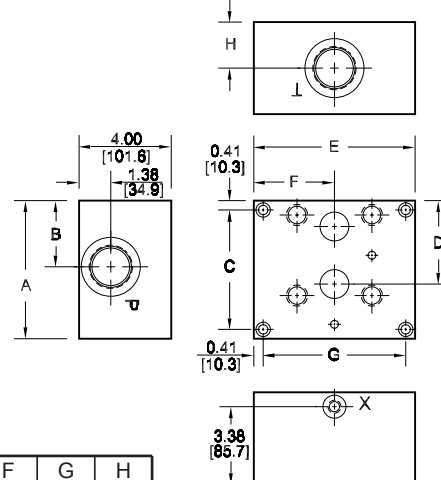
R08, I08 Side Ported Subplate

Valve mtg: UNC 0.63-11 x 1.44 [36] DP
X Port: 0.38-18 NPTF or -6 SAE.
Subplate hardware kit is supplied.
See page 123 for itemized list.



R10, I10 Side Ported Subplate

Valve mtg: UNC 0.75-10 x 1.63 [41] DP
X Port: 0.38-18 NPTF or -6 SAE.
Subplate hardware kit is supplied.
See page 123 for itemized list.



Dimension	A	B	C	D	E	F	G	H
R08SPS12	5.00	2.38	4.19	3.00	--	--	--	--
R08SPS16	[127.0]	[60.3]	[106.4]	[76.2]	--	--	--	--
I08SPS12	4.50	2.44	3.69	2.75	--	--	--	--
I08SPS16	[114.3]	[61.9]	[93.7]	[69.9]	--	--	--	--
R10SPS20	6.00	2.88	5.19	3.63	7.00	3.50	6.19	2.00
R10SPS24	[152.4]	[73.0]	[131.8]	[92.1]	[177.8]	[88.9]	[157.2]	[50.8]
I10SPS20	5.00	2.38	4.19	3.06	7.38	3.69	6.56	2.63
I10SPS24	[127.0]	[60.3]	[106.4]	[77.8]	[187.3]	[93.7]	[166.7]	[66.7]

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Ordering Information

Material	Valve Pattern	Product Type	Port Location	Port Threads
Material A Aluminum - 6061-T6 3000† psi • 20.7 MPa D Ductile Iron - D4512 5000† psi • 34.5 MPa † Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.	Valve Pattern R06 ISO 6264-06-09 NFPA T3.5.1-R06 See Tech Information R08 ISO 6264-08-13 NFPA T3.5.1-R08 See Tech Information I08 NFPA T3.5.1-RV08 See Tech Information R10 ISO 6264-10-17 NFPA T3.5.1-R10 See Tech Information I10 NFPA T3.5.1-RV10 See Tech Information	Product Type SP Subplate	Port Location S Side ported	Port Threads R06 only 08P 0.50-14 NPTF ANSI B1.20.3 08S -8 SAE ISO 11926; SAE 1926 R06, R08, or I08 12P 0.75-14 NPTF ANSI B1.20.3 12S -12 SAE ISO 11926; SAE 1926 R08 or I08 16P 1.00-11.5 NPTF ANSI B1.20.3 16S -16 SAE ISO 11926; SAE 1926 R10 or I10 20P 1.25-11.5 NPTF ANSI B1.20.3 20S -20 SAE ISO 11926; SAE 1926 24P 1.50-11.5 NPTF ANSI B1.20.3 24S -24 SAE ISO 11926; SAE 1926

Subplate Mounting Hardware

Part no.	Cat. pg.	Mounting Screws	Plugs
* D02 SP * 4P, 4S	101	(2) UNC 0.25-20 x 0.88 long SHCS	n/a
* D02 SP * 4B, 4M, 4T	101	(2) ISO 6H M6-1.0 x 22mm SHCS	n/a
* D03 SP * 4P, 6P, 6S	102	(2) UNC 0.25-20 x 0.88 long SHCS	n/a
* D03 SP * 6B, 6M, 6T	102	(2) ISO 6H M6-1.0 x 22mm SHCS	n/a
* D03 SP * 8P, 8S	102	(2) UNC 0.25-20 x 1.50 long SHCS	n/a
* D03 SP * 8B, 8M, 8T	102	(2) ISO 6H M6-1.0 x 40mm SHCS	n/a
* D03 SP S 12P, 12S	102	(2) UNC 0.38-16 x 1.75 long SHCS	n/a
* D03 SP S 12B, 12M, 12T	102	(2) ISO 6H M10-1.5 x 45mm SHCS	n/a
* D03 SP B 12P, 12S	102	(2) UNC 0.38-16 x 1.50 long SHCS	n/a
* D03 SP B 12B, 12M, 12T	102	(2) ISO 6H M10-1.5 x 40mm SHCS	n/a
* D03 SP SB 6P	103	(2) UNC 0.25-20 x 1.50 long SHCS	(2) 0.38-18 NPTF LSPP
* D03 SP SB 6S	103		(2) -6 SAE hex socket plug
* D03 SP SB 6B, 6M, 6T	103	(2) ISO 6H M6-1.0 x 40mm SHCS	n/a
* D03 SP SB 8P	103	(2) UNC 0.25-20 x 2.00 long SHCS	(2) 0.50-14 NPTF LSPP
* D03 SP SB 8S	103		(2) -8 SAE hex socket plug
* D03 SP SB 8B, 8M, 8T	103	(2) ISO 6H M6-1.0 x 50mm SHCS	n/a
* D03 SP M 8*	103	(4) UNC 0.31-18 x 2.50 long SHCS	n/a
* D03 SP RV * 6P	104	(2) UNC 0.31-18 x 2.25 long SHCS	(2) 0.38-18 NPTF LSPP
* D03 SP RV * 6S	104		(2) -6 SAE hex socket plug
* D03 SP RV * 6B, 6M, 6T	104	(2) ISO 6H M8-1.25 x 60mm SHCS	n/a
* D03 SP RV * 8P	104	(2) UNC 0.38-16 x 3.00 long SHCS	(2) 0.50-14 NPTF LSPP
* D03 SP RV * 8S	104		(2) -8 SAE hex socket plug
* D03 SP RV * 8B, 8M, 8T	104	(2) ISO 6H M10-1.5 x 75mm SHCS	n/a
* D03 SP RV * 12P	104	(2) UNC 0.38-16 x 3.00 long SHCS	(2) 0.75-14 NPTF LSPP
* D03 SP RV * 12S	104		(2) -12 SAE hex socket plug
* D03 SP RV * 12B, 12M, 12T	104	(2) ISO 6H M10-1.5 x 75mm SHCS	n/a
* D03 SP CR * 6P, 6S	105	(2) UNC 0.31-18 x 2.50 long SHCS	n/a
* D03 SP CR * 6B, 6M, 6T	105	(2) ISO 6H M8-1.25 x 65mm SHCS	n/a
* D03 SP CR * 12P, 12S	105	(2) UNC 0.38-16 x 4.00 long SHCS	n/a
* D03 SP CR * 12B, 12M, 12T	105	(2) ISO 6H M10-1.5 x 100mm SHCS	n/a
* D05 SP S 6P, 8P, 8S	106	(2) UNC 0.38-16 x 1.25 long SHCS	n/a
* D05 SP S 8B, 8M, 8T	106	(2) ISO 6H M10-1.5 x 35mm SHCS	n/a
* D05 SP B 6P, 8P, 8S	106	(2) UNC 0.38-16 x 1.25 long SHCS	n/a
* D05 SP B 8B, 8M, 8T	106	(2) ISO 6H M10-1.5 x 35mm SHCS	n/a
* D05 SP SB 8P	107	(2) UNC 0.38-16 x 1.50 long SHCS	(2) 0.50-14 NPTF LSPP
* D05 SP SB 8S	107		(2) -8 SAE hex socket plug
* D05 SP SB 8B, 8M, 8T	107	(2) ISO 6H M10-1.5 x 40mm SHCS	n/a
* D05H(E) SP * 12P, 12S	108, 109	(2) UNC 0.38-16 x 1.75 long SHCS	n/a
* D05H(E) SP * 12B, 12M, 12T	108, 109	(2) ISO 6H M10-1.5 x 45mm SHCS	n/a
* D05J(E) SP S 16P, 16S	108, 109	(2) UNC 0.38-16 x 3.00 long SHCS	n/a
* D05J(E) SP S 16B, 16M, 16T	108, 109	(2) ISO 6H M10-1.5 x 75mm SHCS	n/a
* D05J(E) SP B 16P, 16S	108, 109	(2) UNC 0.38-16 x 3.25 long SHCS	n/a
* D05J(E) SP B 16B, 16M, 16T	108, 109	(2) ISO 6H M10-1.5 x 90mm SHCS	n/a
* D05 SP RV * 8P	110	(2) UNC 0.38-16 x 2.50 long SHCS	(2) 0.50-14 NPTF LSPP
* D05 SP RV * 8S	110		(2) -8 SAE hex socket plug
* D05 SP RV * 8B, 8M, 8T	110	(2) ISO 6H M10-1.5 x 65mm SHCS	n/a
* D05H SP RV * 12P	111		(2) 0.25-18 NPTF LSPP
* D05H SP RV * 12S	111	(2) UNC 0.38-16 x 3.00 long SHCS	(2) 0.75-14 NPTF LSPP
			(2) -4 SAE hex socket plug
* D05H SP RV * 12B, 12M, 12T	111	(2) ISO 6H M10-1.5 x 75mm SHCS	(2) -12 SAE hex socket plug
			n/a

Subplate Mounting Hardware

Part no.	Cat. pg.	Mounting Screws	Plugs
* D05J SP RV * 16P	111	(2) UNC 0.38-16 x 4.00 long SHCS	(2) 0.25-18 NPTF LSPP
* D05J SP RV * 16S	111		(2) 1.00-11.5 NPTF LSPP
* D05J SP RV * 16B, 16M, 16T	111		(2) -4 SAE hex socket plug (2) -16 SAE hex socket plug
* D05 SP CR * 8P, 8S	110	(2) ISO 6H M10-1.5 x 100mm SHCS	n/a
* D05 SP CR * 8B, 8M, 8T	110	(2) UNC 0.38-16 x 2.00 long SHCS	n/a
* D05H SP CR * 12P	112	(2) ISO 6H M10-1.5 x 50mm SHCS	n/a
* D05H SP CR * 12S	112	(2) UNC 0.38-16 x 4.50 long SHCS	(2) 0.25-18 NPTF LSPP
* D05H SP CR * 12B, 12M, 12T	112	(2) ISO 6H M10-1.5 x 120mm SHCS	(2) -4 SAE hex socket plug
* D05J SP CR * 16P	112	(2) UNC 0.38-16 x 4.50 long SHCS	n/a
* D05J SP CR * 16S	112		(2) 0.25-18 NPTF LSPP
* D05J SP CR * 16B, 16M, 16T	112		(2) -4 SAE hex socket plug
* D07 SP S* 12P, 12S	113	(2) ISO 6H M10-1.5 x 120mm SHCS	n/a
* D07 SP S* 12B, 12M, 12T	113	(2) UNC 0.38-16 x 1.25 long SHCS	n/a
* D07 SP SO 16P, 16S	113	(2) ISO 6H M10-1.5 x 35mm SHCS	n/a
* D07 SP SO 16B, 16M, 16T	113	(2) UNC 0.38-16 x 3.00 long SHCS	n/a
* D07 SP B 12P, 12S	113	(2) ISO 6H M10-1.5 x 75mm SHCS	n/a
* D07 SP B 12B, 12M, 12T	113	(2) UNC 0.38-16 x 1.50 long SHCS	n/a
* D07 SP B 16P, 16S	113	(2) ISO 6H M10-1.5 x 35mm SHCS	n/a
* D07 SP B 16B, 16M, 16T	113	(2) UNC 0.38-16 x 2.75 long SHCS	n/a
* D07 SP RV C 12P	114	(2) ISO 6H M10-1.5 x 70mm SHCS	(2) 0.75-14 NPTF LSPP
* D07 SP RV C 12S	114	(2) UNC 0.38-16 x 2.75 long SHCS	(2) -12 SAE hex socket plug
* D07 SP RV C 12B, 12M, 12T	114	(2) ISO 6H M10-1.5 x 70mm SHCS	n/a
* D07 SP RV S 12P	114	(2) UNC 0.38-16 x 2.50 long SHCS	(2) 0.75-14 NPTF LSPP
* D07 SP RV S 12S	114		(2) -12 SAE hex socket plug
* D07 SP RV S 12B, 12M, 12T	114		n/a
* D07 SP RV * 16P	114	(2) ISO 6H M10-1.5 x 65mm SHCS	(2) 1.00-11.5 NPTF LSPP
* D07 SP RV * 16S	114	(2) UNC 0.38-16 x 4.00 long SHCS	(2) -16 SAE hex socket plug
* D07 SP RV * 16B, 16M, 16T	114	(2) ISO 6H M10-1.5 x 100mm SHCS	n/a
* D08 SP S* 12P, 16P, 16S	115	(2) UNC 0.50-13 x 1.75 long SHCS	n/a
* D08 SP S* 16B, 16M, 16T	115	(2) ISO 6H M12-1.75 x 45mm SHCS	n/a
* D08 SP SO 20P, 20S	115	(2) UNC 0.50-13 x 3.00 long SHCS	n/a
* D08 SP SO 20B, 20M, 20T	115	(2) ISO 6H M12-1.75 x 75mm SHCS	n/a
* D08 SP B 12P, 16P, 16S	115	(2) UNC 0.50-13 x 1.50 long SHCS	n/a
* D08 SP B 16B, 16M, 16T	115	(2) ISO 6H M12-1.75 x 40mm SHCS	n/a
* D08 SP B 20P, 20S	115	(4) UNC 0.38-16 x 2.00 long SHCS	n/a
* D08 SP B 20B, 20M, 20T	115	(4) ISO 6H M10-1.5 x 50mm SHCS	n/a
* D08 SP RV * 16P	116	(2) UNC 0.38-16 x 3.00 long SHCS	(2) 1.00-11.5 NPTF LSPP
* D08 SP RV * 16S	116		(2) -16 SAE hex socket plug
* D08 SP RV * 16B, 16M, 16T	116		n/a
* D08 SP RV * 20P	116	n/a	(2) 1.25-11.5 NPTF LSPP
* D08 SP RV * 20S	116		(2) -20 SAE hex socket plug
* D08 SP RV * 20B, 20M, 20T	116		n/a

Subplate Mounting Hardware

Part no.	Cat. pg.	Mounting Screws	Plugs
* D10 SP S O 20P	117	(4) UNC 0.50-13 x 3.50 long SHCS	n/a
* D10 SP S O 24P, 24S	117	(4) UNC 0.50-13 x 4.00 long SHCS	n/a
* D10 SP S O 32P, 32S	117	(4) UNC 0.50-13 x 4.50 long SHCS	n/a
* D10 SP B 20P	117	(4) UNC 0.50-13 x 2.00 long SHCS	n/a
* D10 SP B 24P, 24S	117	(4) UNC 0.50-13 x 2.00 long SHCS	n/a
* D10 SP B 32P, 32S	117	(4) UNC 0.50-13 x 2.50 long SHCS	n/a
* 2F06 SP S 6P, 8P, 8S	118	(2) UNC 0.38-16 x 1.25 long SHCS	n/a
* 2F07 SP S 8P, 8S	118	(2) UNC 0.38-16 x 1.25 long SHCS	n/a
* P06 SP S 08P, 08S, 12P, 12S	119	(4) UNC 0.38-16 x 2.00 long SHCS	n/a
* P08 SP S 12P, 12S, 16P, 16S	119	(4) UNC 0.38-16 x 2.00 long SHCS	n/a
* P10 SP S 20P, 20S, 24P, 24S	119	(4) UNC 0.38-16 x 3.00 long SHCS	n/a
* R06 SP S 08P, 08S, 12P, 12S	120	(4) UNC 0.38-16 x 2.00 long SHCS	n/a
* R08 SP S 12P, 12S, 16P, 16S	120	(4) UNC 0.38-16 x 2.50 long SHCS	n/a
* I08 SP S 12P, 12S, 16P, 16S	120	(4) UNC 0.38-16 x 2.50 long SHCS	n/a
* R10 SP S 20P, 20S, 24P, 24S	120	(4) UNC 0.38-16 x 4.00 long SHCS	n/a
* I10 SP S 20P, 20S, 24P, 24S	120	(4) UNC 0.38-16 x 4.00 long SHCS	n/a