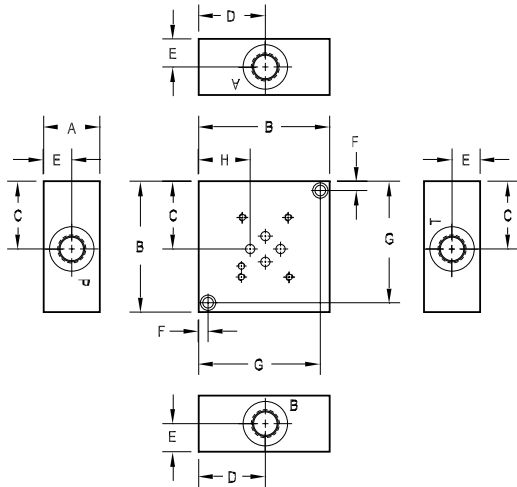


# D03 Subplates

## Side Ported Subplate

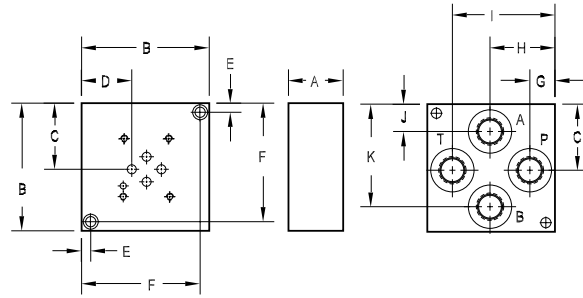
Valve mtg: UNC #10-24 x 0.63 DP or  
Metric M5-0.8mm ISO 6H x [16] DP  
Subplate hardware kit is supplied.  
See page 121 for itemized list.



A	B	C	D	E	F	G	H
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]
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]
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

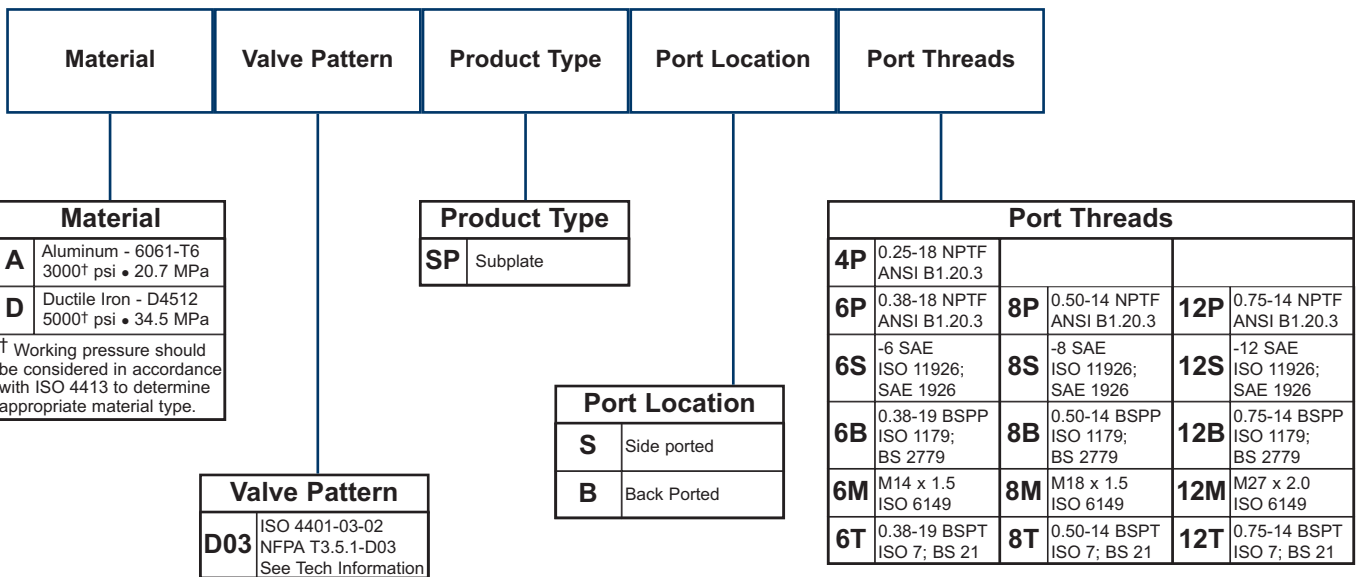
Valve mtg: UNC #10-24 x 0.63 DP or  
Metric M5-0.8mm ISO 6H x [16] DP  
Subplate hardware kit is supplied.  
See page 121 for itemized list.



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]

Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation. Download latest catalog page revisions at [www.damanifolds.com](http://www.damanifolds.com).

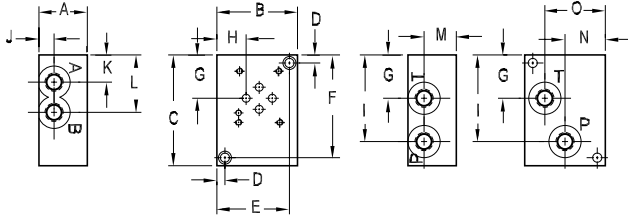
# Ordering Information



# 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.



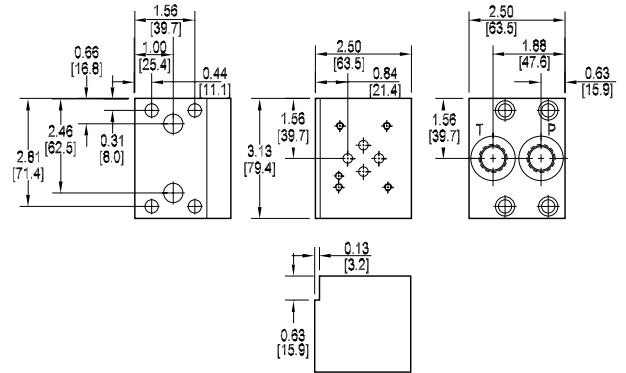
Dimension	A	B	C	D	E	F	G	H
*D03SPSB6*	1.50 [38.1]	2.50 [63.5]	3.44 [87.4]	0.25 [6.4]	2.25 [57.2]	3.19 [81.0]	1.34 [34.0]	0.91 [23.1]
*D03SPSB8*	2.00 [50.8]	2.75 [69.9]	3.75 [95.3]	0.25 [6.4]	2.50 [63.5]	3.50 [88.9]	1.34 [34.0]	0.91 [23.1]

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]

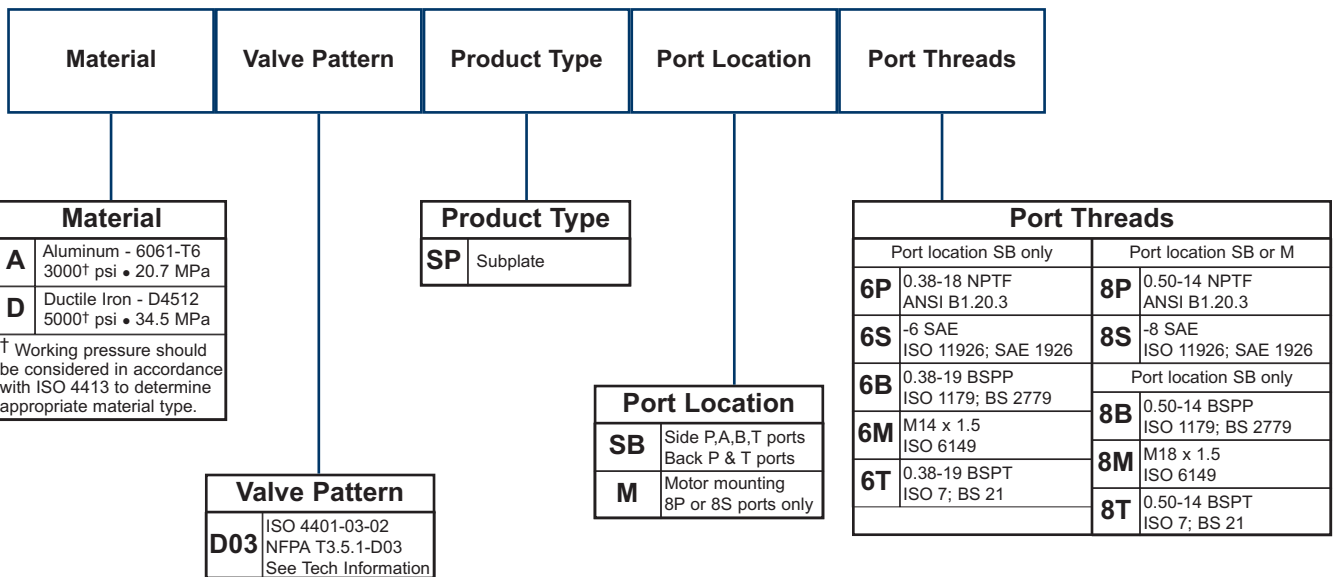
## Motor Mounted Subplate

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.



Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation. Download latest catalog page revisions at [www.damanifolds.com](http://www.damanifolds.com).

# Ordering Information

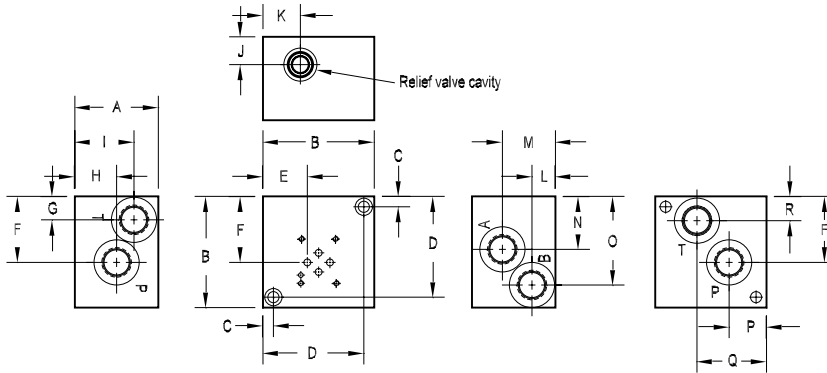


# D03 Subplates with Relief Cavity

## 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]

Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation. Download latest catalog page revisions at [www.damanifolds.com](http://www.damanifolds.com).

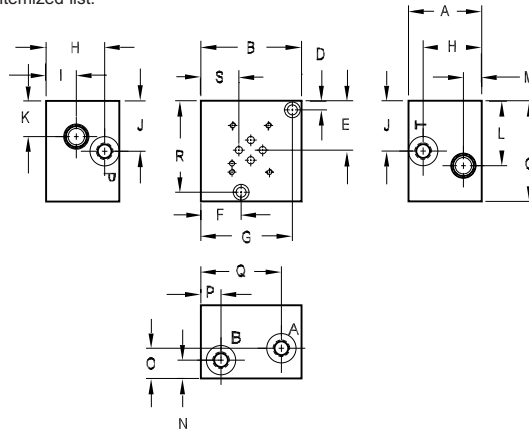
## Ordering Information

Material	Valve Pattern	Product Type	Circuit	Relief Cavity	Port Threads																																																														
<table border="1"> <thead> <tr> <th colspan="2">Material</th> </tr> </thead> <tbody> <tr> <td><b>A</b></td> <td>Aluminum - 6061-T6 3000<sup>†</sup> psi • 20.7 MPa</td> </tr> <tr> <td><b>D</b></td> <td>Ductile Iron - D4512 5000<sup>†</sup> psi • 34.5 MPa</td> </tr> <tr> <td colspan="2"> <sup>†</sup> Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.                 </td> </tr> </tbody> </table>	Material		<b>A</b>	Aluminum - 6061-T6 3000 <sup>†</sup> psi • 20.7 MPa	<b>D</b>	Ductile Iron - D4512 5000 <sup>†</sup> psi • 34.5 MPa	<sup>†</sup> Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.		<table border="1"> <thead> <tr> <th colspan="2">Valve Pattern</th> </tr> </thead> <tbody> <tr> <td><b>D03</b></td> <td>ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information</td> </tr> </tbody> </table>	Valve Pattern		<b>D03</b>	ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information	<table border="1"> <thead> <tr> <th colspan="2">Product Type</th> </tr> </thead> <tbody> <tr> <td><b>SP</b></td> <td>Subplate</td> </tr> </tbody> </table>	Product Type		<b>SP</b>	Subplate	<table border="1"> <thead> <tr> <th colspan="2">Circuit</th> </tr> </thead> <tbody> <tr> <td><b>RV</b></td> <td>Main Relief P to T</td> </tr> </tbody> </table>	Circuit		<b>RV</b>	Main Relief P to T	<table border="1"> <thead> <tr> <th colspan="2">Relief Cavity</th> </tr> </thead> <tbody> <tr> <td><b>C</b></td> <td>Common cavity C-10-2 (P in nose)</td> </tr> <tr> <td><b>S</b></td> <td>Sun Cavity T-10A (P in nose) See Tech Info for valves</td> </tr> </tbody> </table>	Relief Cavity		<b>C</b>	Common cavity C-10-2 (P in nose)	<b>S</b>	Sun Cavity T-10A (P in nose) See Tech Info for valves	<table border="1"> <thead> <tr> <th colspan="6">Port Threads</th> </tr> </thead> <tbody> <tr> <td><b>6P</b></td> <td>0.38-18 NPTF ANSI B1.20.3</td> <td><b>8P</b></td> <td>0.50-14 NPTF ANSI B1.20.3</td> <td><b>12P</b></td> <td>0.75-14 NPTF ANSI B1.20.3</td> </tr> <tr> <td><b>6S</b></td> <td>-6 SAE ISO 11926; SAE 1926</td> <td><b>8S</b></td> <td>-8 SAE ISO 11926; SAE 1926</td> <td><b>12S</b></td> <td>-12 SAE ISO 11926; SAE 1926</td> </tr> <tr> <td><b>6B</b></td> <td>0.38-19 BSPP ISO 1179; BS 2779</td> <td><b>8B</b></td> <td>0.50-14 BSPP ISO 1179; BS 2779</td> <td><b>12B</b></td> <td>0.75-14 BSPP ISO 1179; BS 2779</td> </tr> <tr> <td><b>6M</b></td> <td>M14 x 1.5 ISO 6149</td> <td><b>8M</b></td> <td>M18 x 1.5 ISO 6149</td> <td><b>12M</b></td> <td>M27 x 2.0 ISO 6149</td> </tr> <tr> <td><b>6T</b></td> <td>0.38-19 BSPT ISO 7; BS 21</td> <td><b>8T</b></td> <td>0.50-14 BSPT ISO 7; BS 21</td> <td><b>12T</b></td> <td>0.75-14 BSPT ISO 7; BS 21</td> </tr> </tbody> </table>	Port Threads						<b>6P</b>	0.38-18 NPTF ANSI B1.20.3	<b>8P</b>	0.50-14 NPTF ANSI B1.20.3	<b>12P</b>	0.75-14 NPTF ANSI B1.20.3	<b>6S</b>	-6 SAE ISO 11926; SAE 1926	<b>8S</b>	-8 SAE ISO 11926; SAE 1926	<b>12S</b>	-12 SAE ISO 11926; SAE 1926	<b>6B</b>	0.38-19 BSPP ISO 1179; BS 2779	<b>8B</b>	0.50-14 BSPP ISO 1179; BS 2779	<b>12B</b>	0.75-14 BSPP ISO 1179; BS 2779	<b>6M</b>	M14 x 1.5 ISO 6149	<b>8M</b>	M18 x 1.5 ISO 6149	<b>12M</b>	M27 x 2.0 ISO 6149	<b>6T</b>	0.38-19 BSPT ISO 7; BS 21	<b>8T</b>	0.50-14 BSPT ISO 7; BS 21	<b>12T</b>	0.75-14 BSPT ISO 7; BS 21
Material																																																																			
<b>A</b>	Aluminum - 6061-T6 3000 <sup>†</sup> psi • 20.7 MPa																																																																		
<b>D</b>	Ductile Iron - D4512 5000 <sup>†</sup> psi • 34.5 MPa																																																																		
<sup>†</sup> Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.																																																																			
Valve Pattern																																																																			
<b>D03</b>	ISO 4401-03-02 NFPA T3.5.1-D03 See Tech Information																																																																		
Product Type																																																																			
<b>SP</b>	Subplate																																																																		
Circuit																																																																			
<b>RV</b>	Main Relief P to T																																																																		
Relief Cavity																																																																			
<b>C</b>	Common cavity C-10-2 (P in nose)																																																																		
<b>S</b>	Sun Cavity T-10A (P in nose) See Tech Info for valves																																																																		
Port Threads																																																																			
<b>6P</b>	0.38-18 NPTF ANSI B1.20.3	<b>8P</b>	0.50-14 NPTF ANSI B1.20.3	<b>12P</b>	0.75-14 NPTF ANSI B1.20.3																																																														
<b>6S</b>	-6 SAE ISO 11926; SAE 1926	<b>8S</b>	-8 SAE ISO 11926; SAE 1926	<b>12S</b>	-12 SAE ISO 11926; SAE 1926																																																														
<b>6B</b>	0.38-19 BSPP ISO 1179; BS 2779	<b>8B</b>	0.50-14 BSPP ISO 1179; BS 2779	<b>12B</b>	0.75-14 BSPP ISO 1179; BS 2779																																																														
<b>6M</b>	M14 x 1.5 ISO 6149	<b>8M</b>	M18 x 1.5 ISO 6149	<b>12M</b>	M27 x 2.0 ISO 6149																																																														
<b>6T</b>	0.38-19 BSPT ISO 7; BS 21	<b>8T</b>	0.50-14 BSPT ISO 7; BS 21	<b>12T</b>	0.75-14 BSPT ISO 7; BS 21																																																														

# 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]

Specifications, descriptions, and dimensional data are subject to correction or change without notice or incurring obligation. Download latest catalog page revisions at [www.damanifolds.com](http://www.damanifolds.com).

## Ordering Information

Material	Valve Pattern	Product Type	Circuit	Relief Cavity	Port Threads																																																		
<table border="1"> <thead> <tr> <th colspan="2">Material</th> </tr> </thead> <tbody> <tr> <td><b>A</b></td> <td>Aluminum - 6061-T6 3000† psi • 20.7 MPa</td> </tr> <tr> <td><b>D</b></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> </tbody> </table>	Material		<b>A</b>	Aluminum - 6061-T6 3000† psi • 20.7 MPa	<b>D</b>	Ductile Iron - D4512 5000† psi • 34.5 MPa	† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.		<table border="1"> <thead> <tr> <th colspan="2">Valve Pattern</th> </tr> </thead> <tbody> <tr> <td><b>D03</b></td> <td>ISO 4401-03-02 NFFPA T3.5.1-D03 See Tech Information</td> </tr> </tbody> </table>	Valve Pattern		<b>D03</b>	ISO 4401-03-02 NFFPA T3.5.1-D03 See Tech Information	<table border="1"> <thead> <tr> <th colspan="2">Product Type</th> </tr> </thead> <tbody> <tr> <td><b>SP</b></td> <td>Subplate</td> </tr> </tbody> </table>	Product Type		<b>SP</b>	Subplate	<table border="1"> <thead> <tr> <th colspan="2">Circuit</th> </tr> </thead> <tbody> <tr> <td><b>CR</b></td> <td>Crossover Reliefs A to B and B to A</td> </tr> </tbody> </table>	Circuit		<b>CR</b>	Crossover Reliefs A to B and B to A	<table border="1"> <thead> <tr> <th colspan="2">Relief Cavity</th> </tr> </thead> <tbody> <tr> <td><b>C</b></td> <td>Common cavity C-10-2 (P in nose)</td> </tr> <tr> <td><b>S</b></td> <td>Sun Cavity T-10A (P in nose) See Tech Info for valves</td> </tr> </tbody> </table>	Relief Cavity		<b>C</b>	Common cavity C-10-2 (P in nose)	<b>S</b>	Sun Cavity T-10A (P in nose) See Tech Info for valves	<table border="1"> <thead> <tr> <th colspan="4">Port Threads</th> </tr> </thead> <tbody> <tr> <td><b>6P</b></td> <td>0.38-18 NPTF ANSI B1.20.3</td> <td><b>12P</b></td> <td>0.75-14 NPTF ANSI B1.20.3</td> </tr> <tr> <td><b>6S</b></td> <td>-6 SAE ISO 11926; SAE 1926</td> <td><b>12S</b></td> <td>-12 SAE ISO 11926; SAE 1926</td> </tr> <tr> <td><b>6B</b></td> <td>0.38-19 BSPP ISO 1179; BS 2779</td> <td><b>12B</b></td> <td>0.75-14 BSPP ISO 1179; BS 2779</td> </tr> <tr> <td><b>6M</b></td> <td>M14 x 1.5 ISO 6149</td> <td><b>12M</b></td> <td>M27 x 2.0 ISO 6149</td> </tr> <tr> <td><b>6T</b></td> <td>0.38-19 BSPT ISO 7; BS 21</td> <td><b>12T</b></td> <td>0.75-14 BSPT ISO 7; BS 21</td> </tr> </tbody> </table>	Port Threads				<b>6P</b>	0.38-18 NPTF ANSI B1.20.3	<b>12P</b>	0.75-14 NPTF ANSI B1.20.3	<b>6S</b>	-6 SAE ISO 11926; SAE 1926	<b>12S</b>	-12 SAE ISO 11926; SAE 1926	<b>6B</b>	0.38-19 BSPP ISO 1179; BS 2779	<b>12B</b>	0.75-14 BSPP ISO 1179; BS 2779	<b>6M</b>	M14 x 1.5 ISO 6149	<b>12M</b>	M27 x 2.0 ISO 6149	<b>6T</b>	0.38-19 BSPT ISO 7; BS 21	<b>12T</b>	0.75-14 BSPT ISO 7; BS 21
Material																																																							
<b>A</b>	Aluminum - 6061-T6 3000† psi • 20.7 MPa																																																						
<b>D</b>	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																																																							
<b>D03</b>	ISO 4401-03-02 NFFPA T3.5.1-D03 See Tech Information																																																						
Product Type																																																							
<b>SP</b>	Subplate																																																						
Circuit																																																							
<b>CR</b>	Crossover Reliefs A to B and B to A																																																						
Relief Cavity																																																							
<b>C</b>	Common cavity C-10-2 (P in nose)																																																						
<b>S</b>	Sun Cavity T-10A (P in nose) See Tech Info for valves																																																						
Port Threads																																																							
<b>6P</b>	0.38-18 NPTF ANSI B1.20.3	<b>12P</b>	0.75-14 NPTF ANSI B1.20.3																																																				
<b>6S</b>	-6 SAE ISO 11926; SAE 1926	<b>12S</b>	-12 SAE ISO 11926; SAE 1926																																																				
<b>6B</b>	0.38-19 BSPP ISO 1179; BS 2779	<b>12B</b>	0.75-14 BSPP ISO 1179; BS 2779																																																				
<b>6M</b>	M14 x 1.5 ISO 6149	<b>12M</b>	M27 x 2.0 ISO 6149																																																				
<b>6T</b>	0.38-19 BSPT ISO 7; BS 21	<b>12T</b>	0.75-14 BSPT ISO 7; BS 21																																																				