HYDRAULIC MANIFOLDS INDEX

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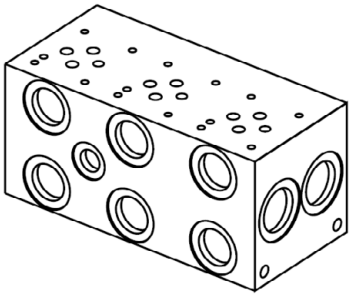
S/A-BM6PN D03 (Size6) Parallel Circuit Normal Flow



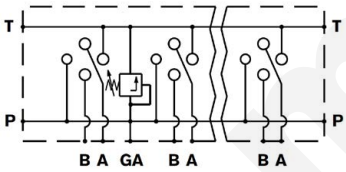
Features:

– Qualified raw materials

– Aluminum and carbon steel optional

– BSPP, SAE and NPT porting available

Parallel circuit:



S-	BM6PN	03	B	2	

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

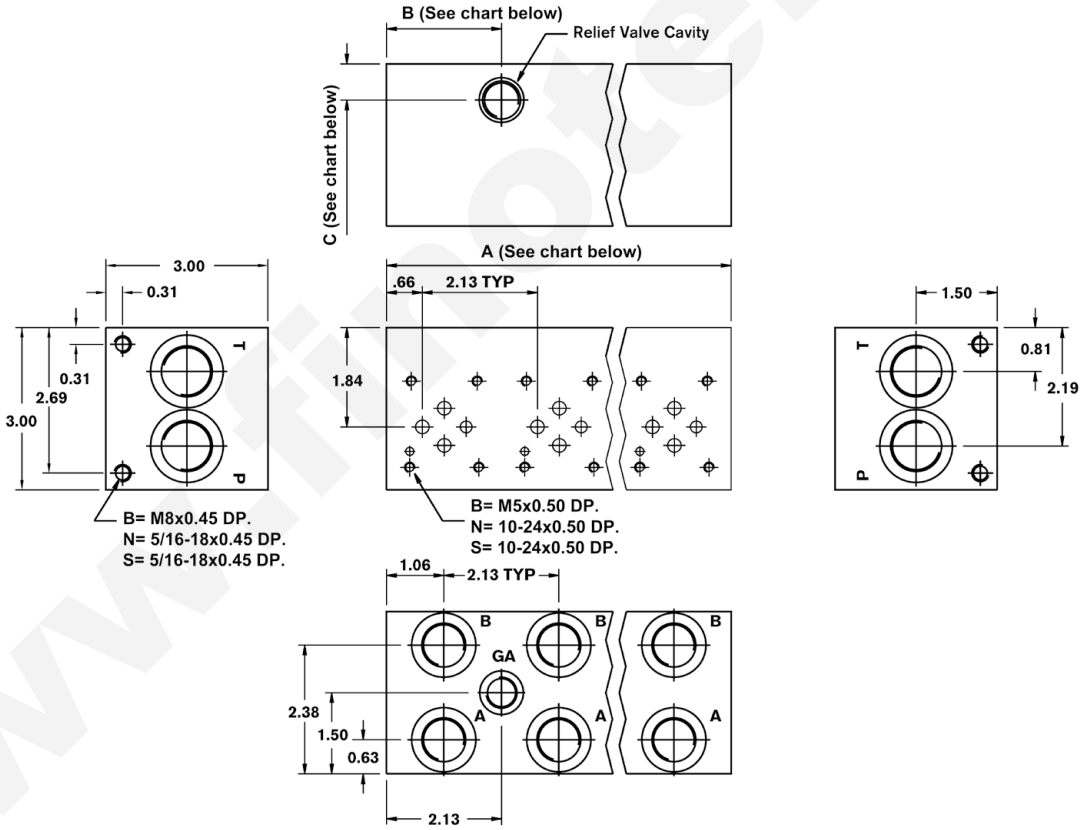
Bar Manifolds D03 (Size 6)
Paralle Circuit High Flow

Number of Satation= 01-08

Omit= No options
RCS= Relief Cavity Sun T-10A (P in nose)

Valve Spacing
2= 2.13inch / 54.00mm

Port Threads
B= BSPP Threaded Ports
N= NPTThreaded Ports
S= SAEThreaded Ports



Threads	P & T Ports	A & B Ports	GA Port
B	1/2" BSPP	3/8" BSPP	1/4" BSPP
N	1/2" NPT	3/8" NPT	1/4" NPT
S	7/8-14 SAE-10	3/4-16 SAE-8	9/16-18 SAE-6

Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	2.13	54.10	4.25	108.0	6.38	162.1	8.50	215.9	10.63	270	12.75	323.9	14.88	378.0	17	431.8
B RCS Dimensions (inch/mm)	1.91	48.41	2.13	53.98	2.13	53.98	2.13	53.98	2.13	53.98	2.13	53.98	2.13	53.98	2.13	53.98
C RCS Dimensions (inch/mm)	1.06	26.97	1.06	26.97	1.06	26.97	1.06	26.97	1.06	26.97	1.06	26.97	1.06	26.97	1.06	26.97
Approx. Weight AL (kgs)	1.36		1.81		2.72		3.63		4.08		4.99		5.90		6.80	
Approx. Weight ST (kgs)	3.18		4.54		6.80		9.07		11.34		13.61		15.88		18.14	

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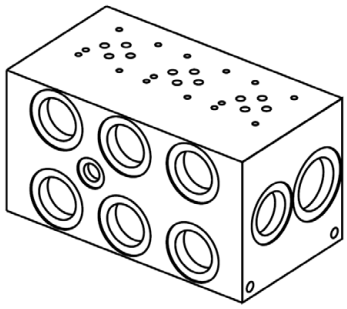
S/A-BM6PH D03 (Size 6) Parallel Circuit High Flow



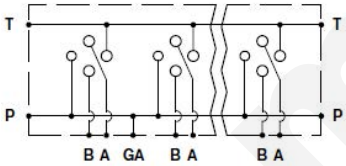
Features:

– Size 6 to 16

– No burrs after finishing

– Fine superficialis treatment

Parallel circuit:



S-	BM6PH	03	B	2

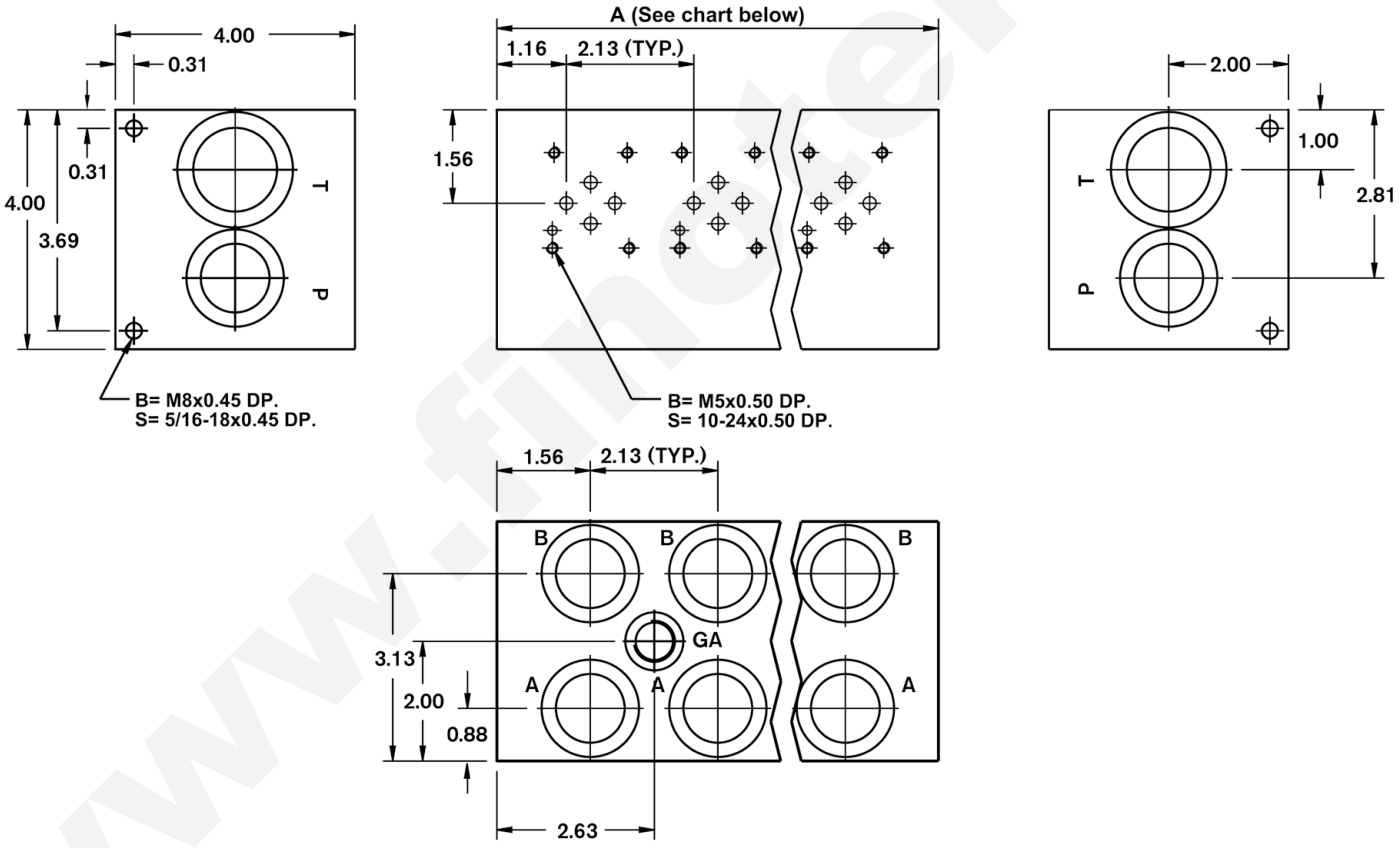
Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

Bar Manifolds D03 (Size 6)
Paralle Circuit High Flow

Number of Satation= 01-08

Valve Spacing
2= 2.13inch / 54.00mm

Port Threads
B= BSPP Threaded Ports
S= SAE Threaded Ports



Threads	T Ports	A, B, & P Ports	GA Port
B	1” BSPP	3/4” BSPP	1/4” BSPP
S	1-5/16-12 SAE-16	1-1/16-12 SAE-12	9/16-18 SAE-6

Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	3.13	79.5	5.25	133.4	7.38	187.5	9.5	241.3	11.63	295.4	13.75	349.3	15.88	403.4	18	457.2
Approx. Weight AL (kgs)	2.27		3.63		5.44		6.80		8.16		9.98		11.34		12.70	
Approx. Weight ST (kgs)	5.90		8.16		14.06		18.14		21.77		25.86		29.94		34.02	

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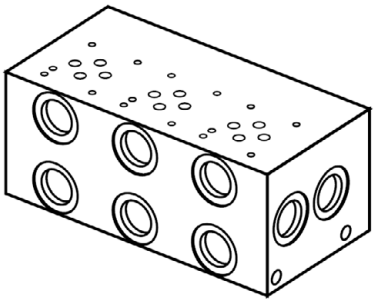
S/A-BM6PNS D03 (Size 6) Parallel Circuit Normal Flow With DBDS Cavity



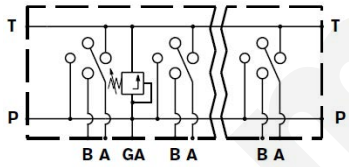
Features:Z

– DBDS6 Cavity available

– All the threads checked by standard gauge

– Fine carbon steel materials for high pressure

Parallel circuit:



S-	BM6PNS	03	B	2	DBD

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

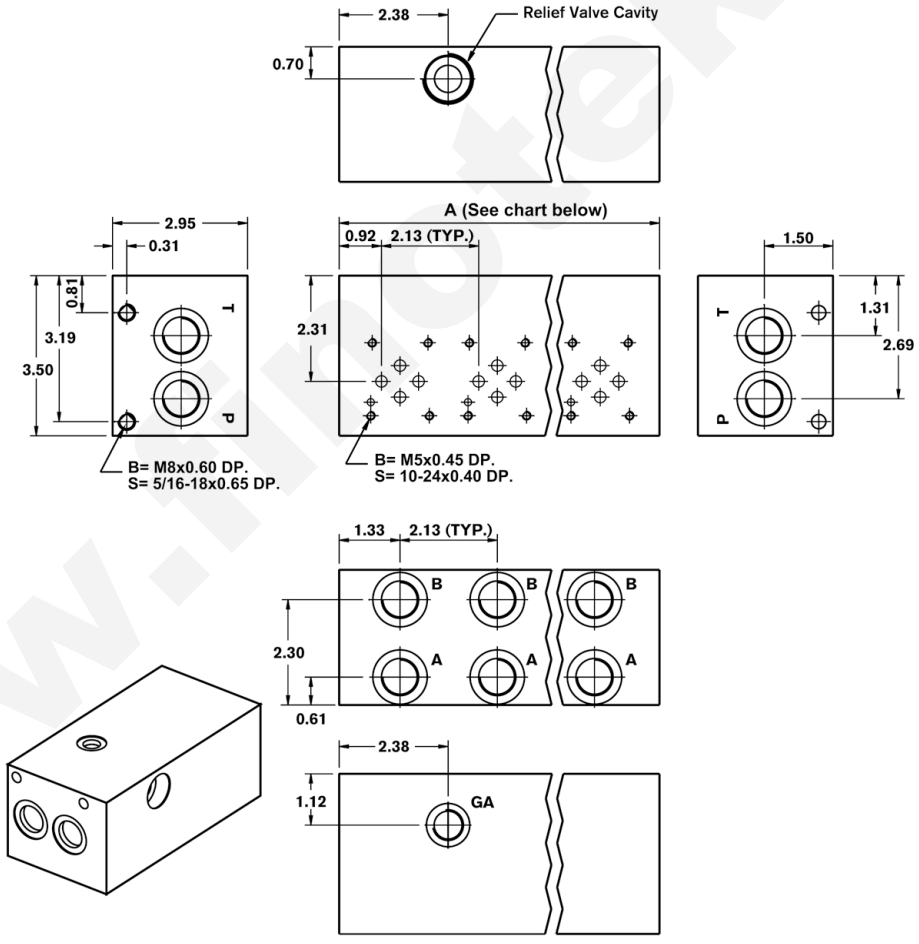
Bar Manifolds D03 (Size 6)
Parallel Circuit Normal Flow With DBDS Cavity

Number of Satation= 01-08

DBD= Relief Cavity Rexroth DBDS6

Valve Spacing
2= 2.13inch / 54.00mm

Port Threads
B= BSPP Threaded Ports
S= SAE Threaded Ports



Threads	T Ports	A, B, & P Ports	GA Port
B	1” BSPP	3/4” BSPP	1/4” BSPP
S	1-5/16-12 SAE-16	1-1/16-12 SAE-12	9/16-18 SAE-6

Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	3.13	79.5	5.25	133.4	7.38	187.5	9.5	241.3	11.63	295.4	13.75	349.3	15.88	403.4	18	457.2
Approx. Weight AL (kgs)	2.27		3.63		5.44		6.80		8.16		9.98		11.34		12.70	
Approx. Weight ST (kgs)	5.90		8.16		14.06		18.14		21.77		25.86		29.94		34.02	

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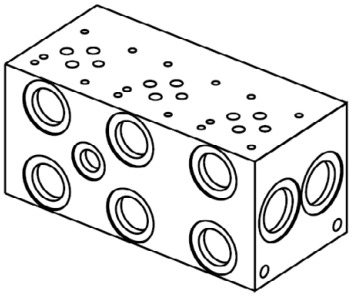
S/A-BM6SN D03 (Size 6) Series Circuit Normal Flow



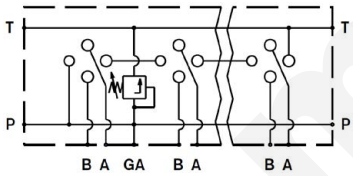
Features:

– Smooth surface for sealing

– Black or zinc plated

– Standard of SAE threaded ports

Parallel circuit:



S-	BM6SN	03	S	2	

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

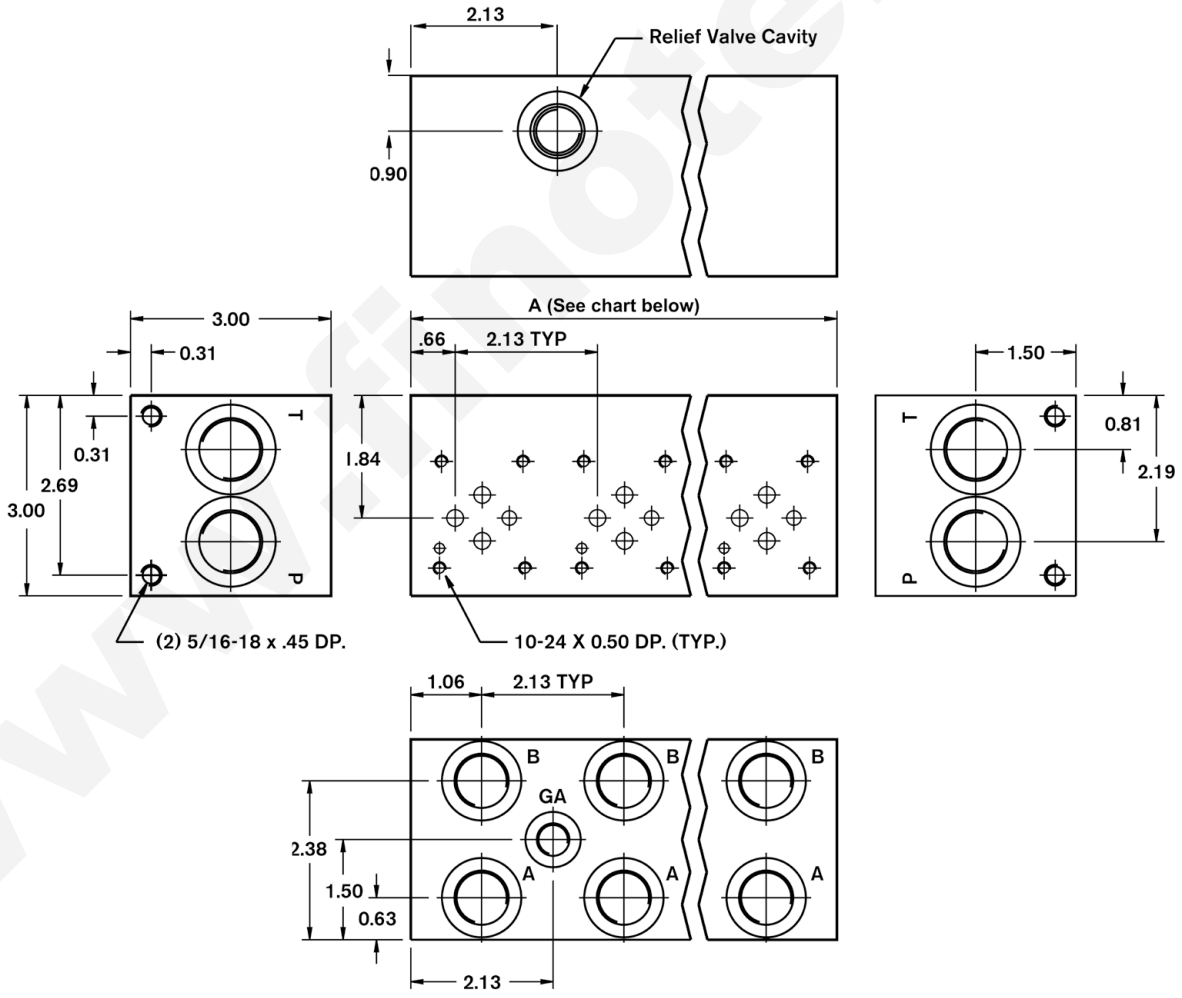
Bar Manifolds D03 (Size 6)
Series Circuit Normal Flow

Number of Satation= 01-08

Omit = No options
RCS= Relief Cavity Sun T-10A (P in nose)

Valve Spacing
2= 2.13inch / 54.00mm

SAE Ports Threads
S= P&T: 7/8-14 SAE-10
A&B: 3/4-16 SAE-8
GA: 9/16-18 SAE-6



Number of Stations	02		03		04		05		06		07		08	
A Dimensions (inch/mm)	4.25	108	6.38	162.1	8.5	215.9	10.63	270	12.75	323.9	14.88	378	17	431.8
Approx. Weight AL (kgs)	1.81		2.72		3.63		4.08		4.99		5.90		6.80	
Approx. Weight ST (kgs)	4.54		6.80		9.07		11.34		13.61		15.88		18.14	

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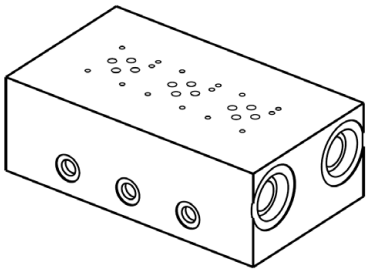
S-ABM6PL D03 (Size 6) Parallel Circuit Low Flow



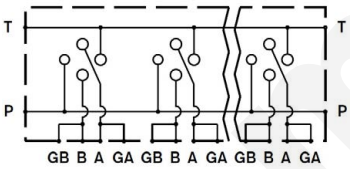
Features:

– Gague ports with A and B

– Standard valve pattern for replacement

– Fine carbon steel better than ductile iron

Parallel circuit:



S-	ABM6PL	03	S	2	G

Material
S= Carbon Steel: 35MPa- 5075psi.

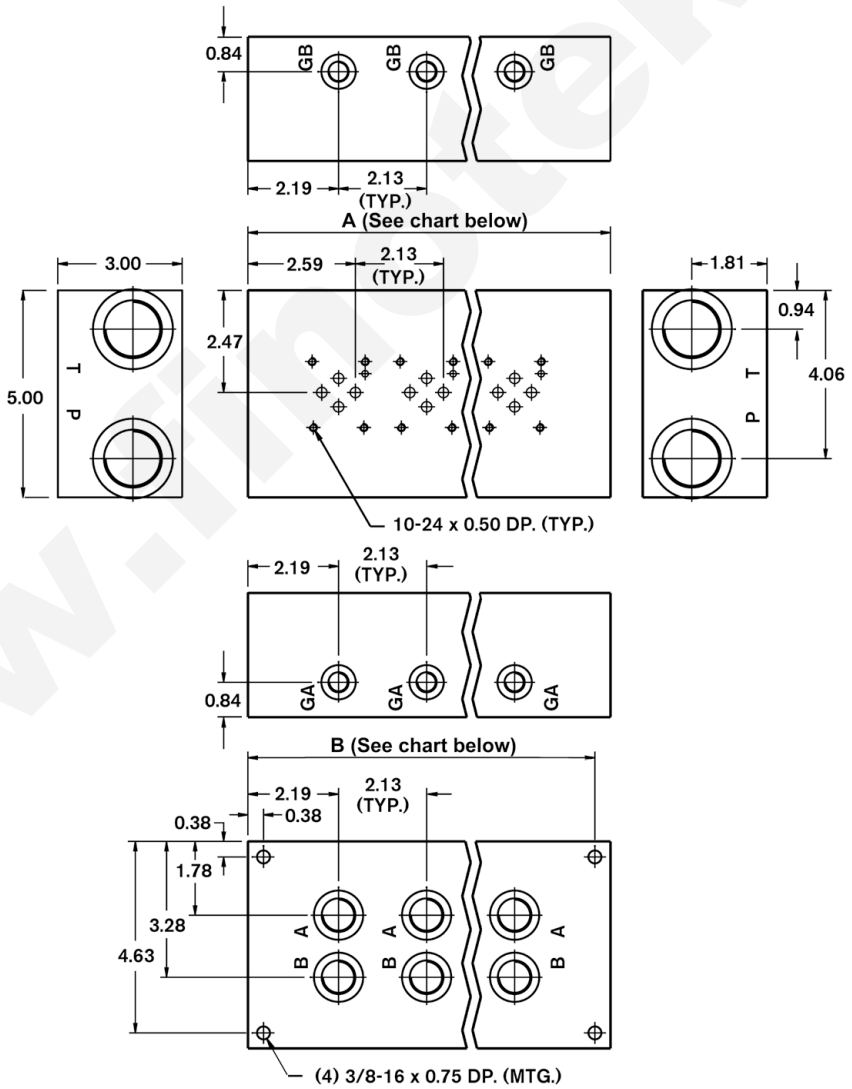
Bar Manifolds D03 (Size 6)
Parallel Circuit Low Flow

Number of Satation= 01-08

G= Gauge Ports for A and B

Valve Spacing
2= 2.13inch / 54.00mm

SAE Ports Threads
S= P & T: 1-5/16-12 SAE-16
A & B: 3/4-16 SAE-8
GA: 7/16-20 SAE-4



Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	4.50	114.3	6.50	165.1	8.75	222.3	10.75	273.1	13.00	330.2	15.00	381	17.25	438.2	19.25	489
B Dimensions (inch/mm)	4.125	104.8	6.125	155.6	8.375	212.7	10.375	263.5	12.625	320.7	14.625	371.5	16.875	428.6	18.875	479.4
Approx. Weight ST (kgs)	8.16		11.34		15.42		19.05		23.13		26.76		30.39		34.02	

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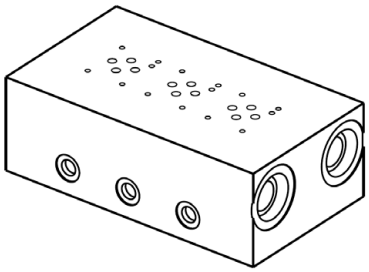
S/A-ABM6PN D03 (Size 6) Parallel Circuit Normal Flow



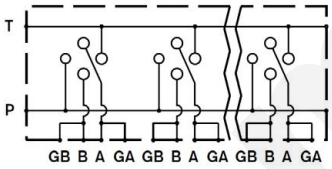
Features:

– Standard gague port threaded

– Reliable operation characteristics

– Good raw materials for high pressure

Parallel circuit:



S-	ABM6PN	03	B	2	G	

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

Bar Manifolds D03 (Size 6)
Parallel Circuit Normal Flow

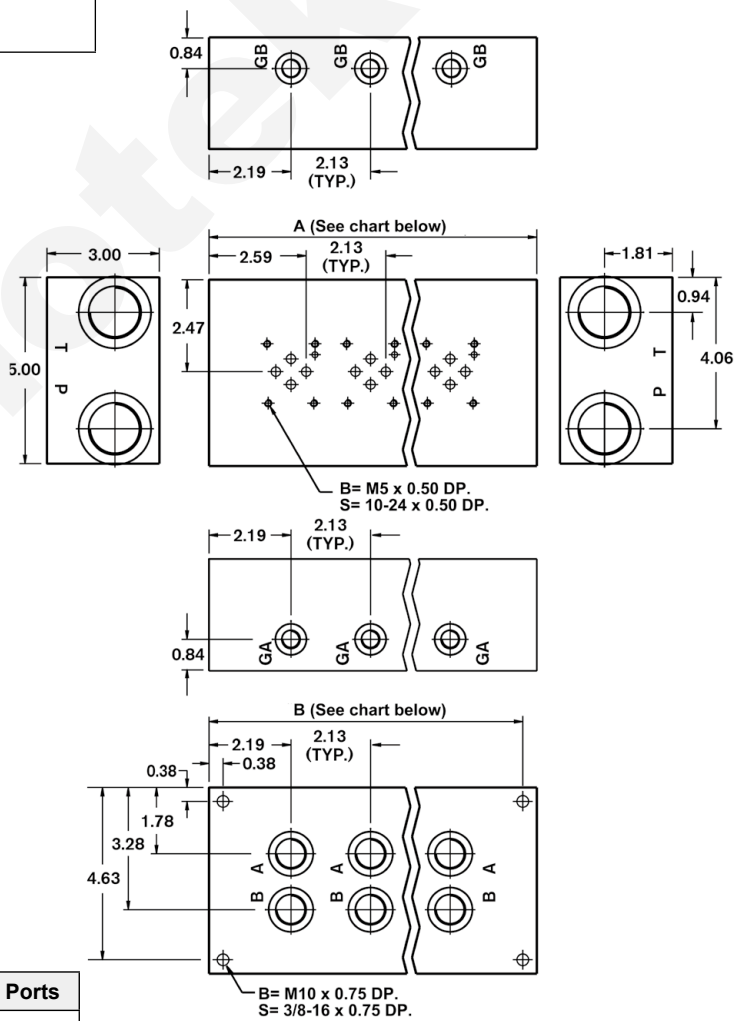
Number of Satation= 01-08

Port Threads
B= BSPP Threaded Ports
S= SAE Threaded Ports

Omit = UNC Mounting Taps
M = Metric Mounting Taps
BSPP Ports only

G= Gauge Ports for A and B

Valve Spacing
2= 2.13inch / 54.00mm



Threads	P & T Ports	A & B Ports	GA & GB Ports
B	1” BSPP	1/2” BSPP	1/4” BSPP
S	1-5/16-12 SAE-16	7/8-14 SAE-10	7/16-20 SAE-4

Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	4.50	114.3	6.50	165.1	8.75	222.3	10.75	273.1	13.00	330.2	15.00	381	17.25	438.2	19.25	489
B Dimensions (inch/mm)	4.125	104.8	6.125	155.6	8.375	212.7	10.375	263.5	12.625	320.7	14.625	371.5	16.875	428.6	18.875	479.4
Approx. Weight ST (kgs)	8.16		11.34		15.42		19.05		23.13		26.76		30.39		34.02	
Approx. Weight AL (kgs)	3.18		4.08		5.90		7.26		8.62		9.98		11.34		12.70	

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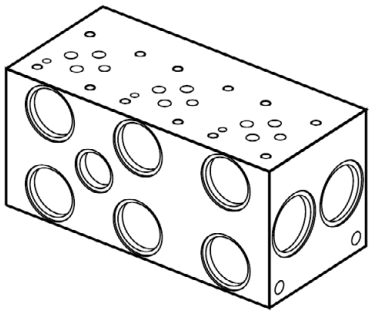
S-IBM6PN D03 (Size 6) Parallel Circuit Normal Flow



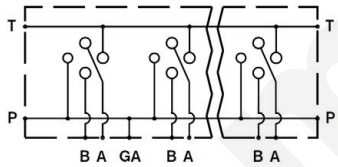
Features:

– Industry standard cavity

– Standard valve pattern for replacement

– Fine carbon steel better than ductile iron

Parallel circuit:



S-	IBM6PN	03	O	2	M

Material
S= Carbon Steel: 35MPa- 5075psi.

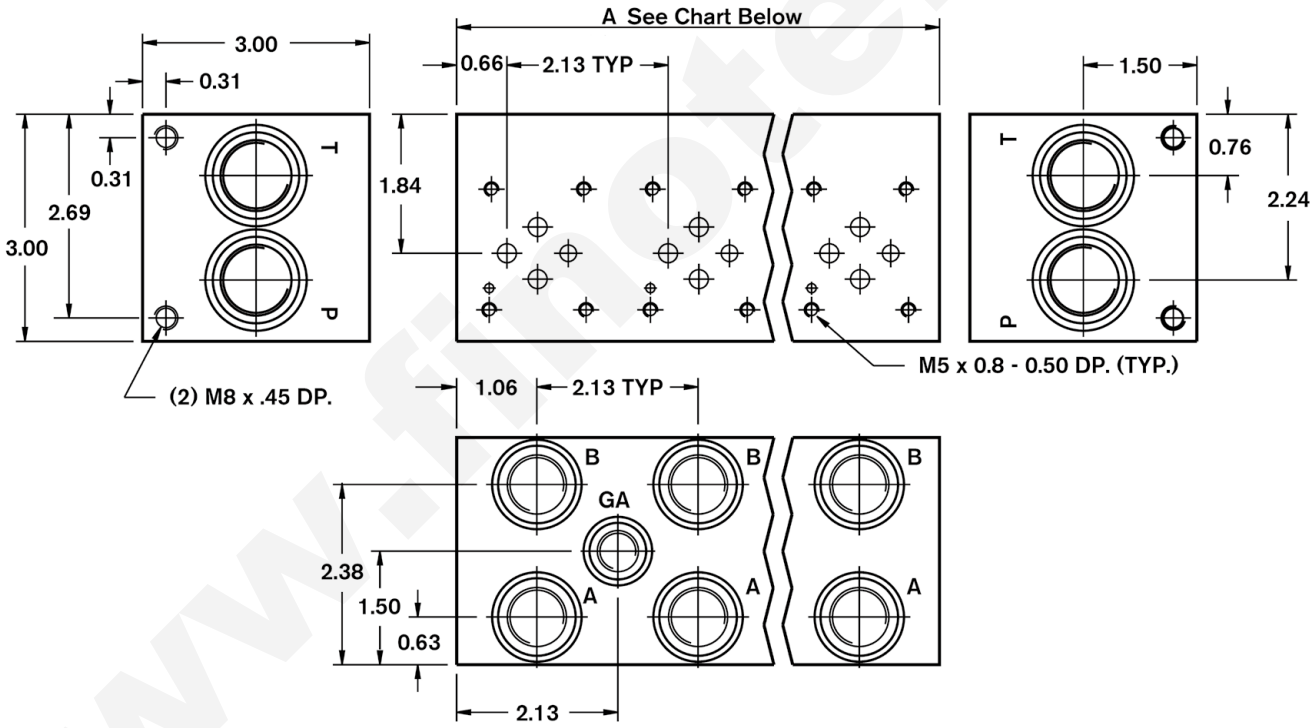
Bar Manifolds D03 (Size 6)
Parallel Circuit Normal Flow

Number of Satation= 01-08

M= Metric Mounting Taps

Valve Spacing
2= 2.13inch / 54.00mm

Port Threads
O= Metric Threaded Ports
P & T: M22 x 1.5
A & B: M18 x 1.5
GA: M12 x 1.5



Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	2.13	54.10	4.25	108.0	6.38	162.1	8.50	215.9	10.63	270	12.75	323.9	14.88	378.0	17	431.8
Approx. Weight ST (kgs)	2.27		4.54		6.80		9.07		11.34		13.61		15.88		18.14	

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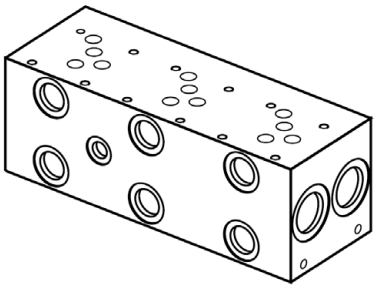
S/A-BM10PN D05 (Size 10) Parallel Circuit Normal Flow



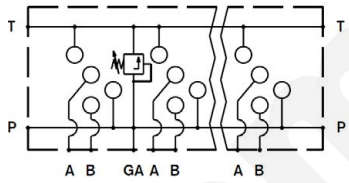
Features:

– ISO4401 standard pattern

– No leakage tested

– Qualified raw materials for high pressure

Parallel circuit:



S-	BM10PN	03	B	3	

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

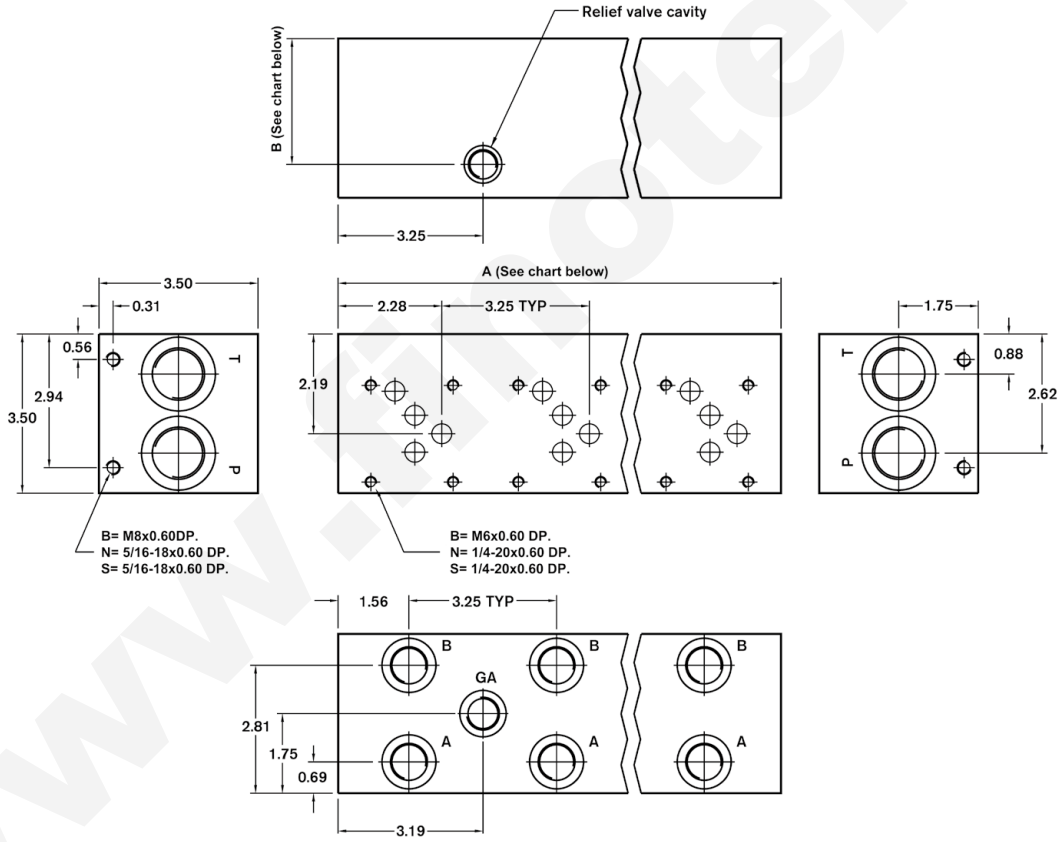
Bar Manifolds D05 (Size10)
Paralle Circuit Normal Flow

Number of Satation= 01-07

Omit= No options
RCS= Relief Cavity Sun T-10A (P in nose)

Valve Spacing
3= 3.25inch / 82.55mm

Port Threads
B= BSPP Threaded Ports
N= NPT Threaded Ports
S= SAE Threaded Ports



Threads	P & T Ports	A & B Ports	GA Port
B	3/4” BSPP	1/2” BSPP	3/8” BSPP
N	3/4” NPT	1/2” NPT	1/4” NPT
S	1-1/16-12 SAE-12	3/4-16 SAE-8	9/16-18 SAE-6

Number of Stations	01		02		03		04		05		06		07	
A Dimensions (inch/mm)	3.25	82.55	6.5	165.1	9.75	247.7	13	330.2	16.25	412.8	19.5	495.3	22.75	577.9
B RCS Dimensions (inch/mm)	2.41	61.11	2.41	61.11	2.41	61.11	2.41	61.11	2.41	61.11	2.41	61.11	2.41	61.11
Approx. Weight AL (kgs)	2.27		3.63		5.44		7.26		9.07		10.43		12.25	
Approx. Weight ST (kgs)	6.35		9.53		14.06		18.6		23.59		28.12		32.66	

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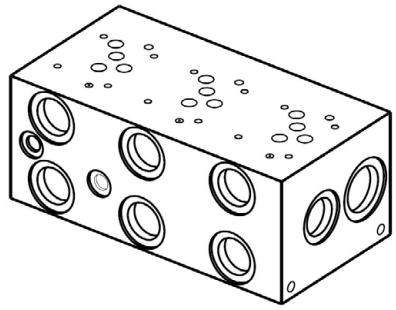
S/A-BM10PH D05 (Size 10) Parallel Circuit High Flow



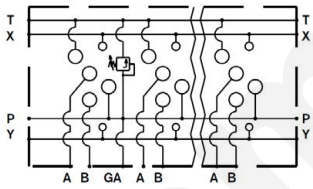
Features:

– Smooth surface for sealing

– Black or zinc plated

– Standard of SAE threaded ports

Parallel circuit:



S-	BM10PH	03	S	3	

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

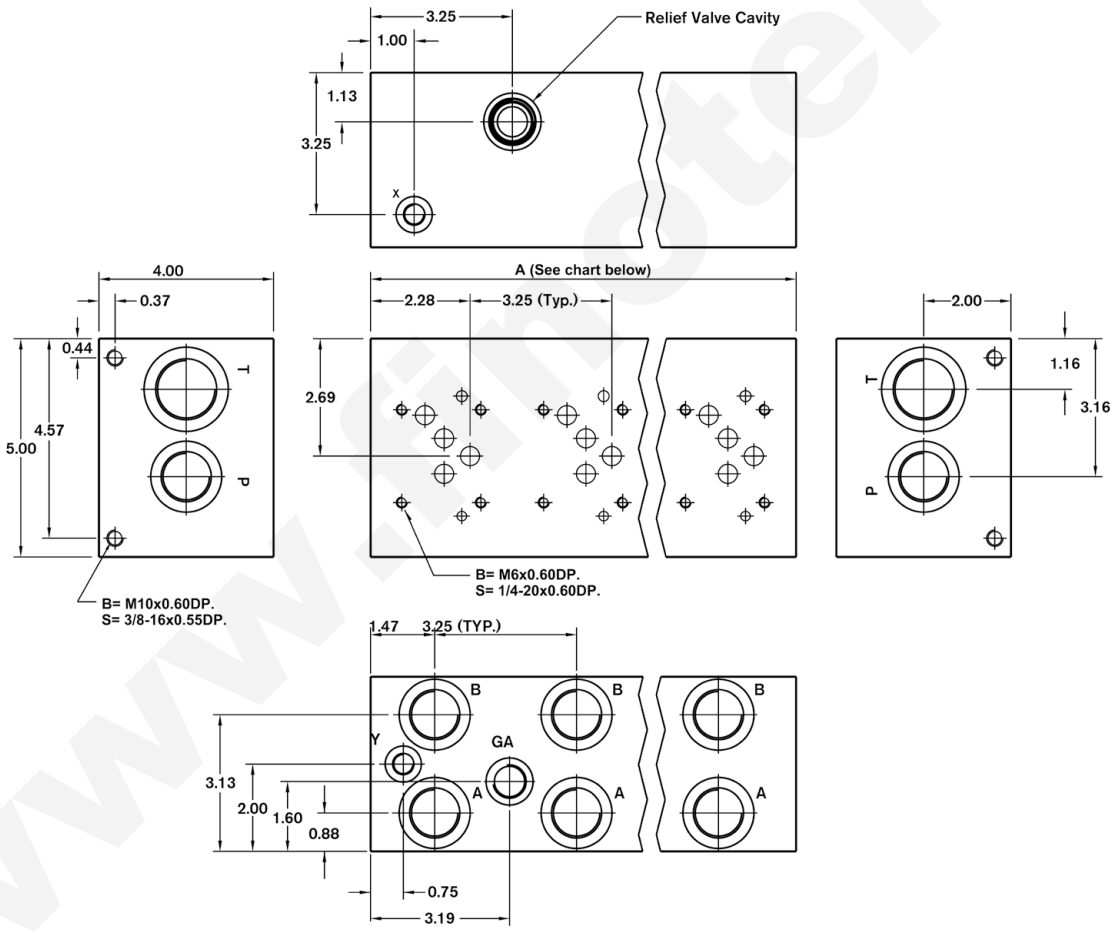
Bar Manifolds D05 (Size 10)
Paralle Circuit High Flow

Number of Satation= 01-07

Omit = No options
RCS= Relief Cavity Sun T-3A (P in nose)

Valve Spacing
3= 3.25inch / 82.55mm

Port Threads
B= BSPP Threaded Ports
S= SAE Threaded Ports



Threads	T Ports	P, A & B Ports	GA, X & Y Port
B	1” BSPP	3/4” BSPP	1/4” BSPP
S	1-5/16-12 SAE-16	1-1/16-12 SAE-12	9/16-18 SAE-6

Number of Stations	01	02	03	04	05	06	07
A Dimensions (inch/mm)	3.25 82.55	6.5 165.1	9.75 247.7	13 330.2	16.3 412.8	19.5 495.3	22.75 577.9
Approx. Weight AL (kgs)	2.72	5.90	8.62	11.34	14.52	17.24	20.41
Approx. Weight ST (kgs)	7.71	15.42	23.13	30.84	38.56	45.81	53.52

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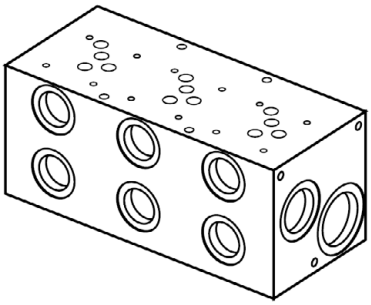
S-BM10PU D05 (Size 10) Parallel Circuit Ultra High Flow



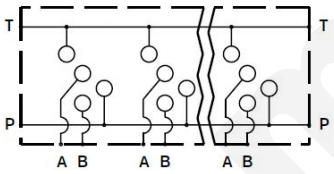
Features:

– CETOP 05 standard pattern

– Blackening surface treatment

– Clean threads for good connection

Parallel circuit:



S-	BM10PU	03	S	3

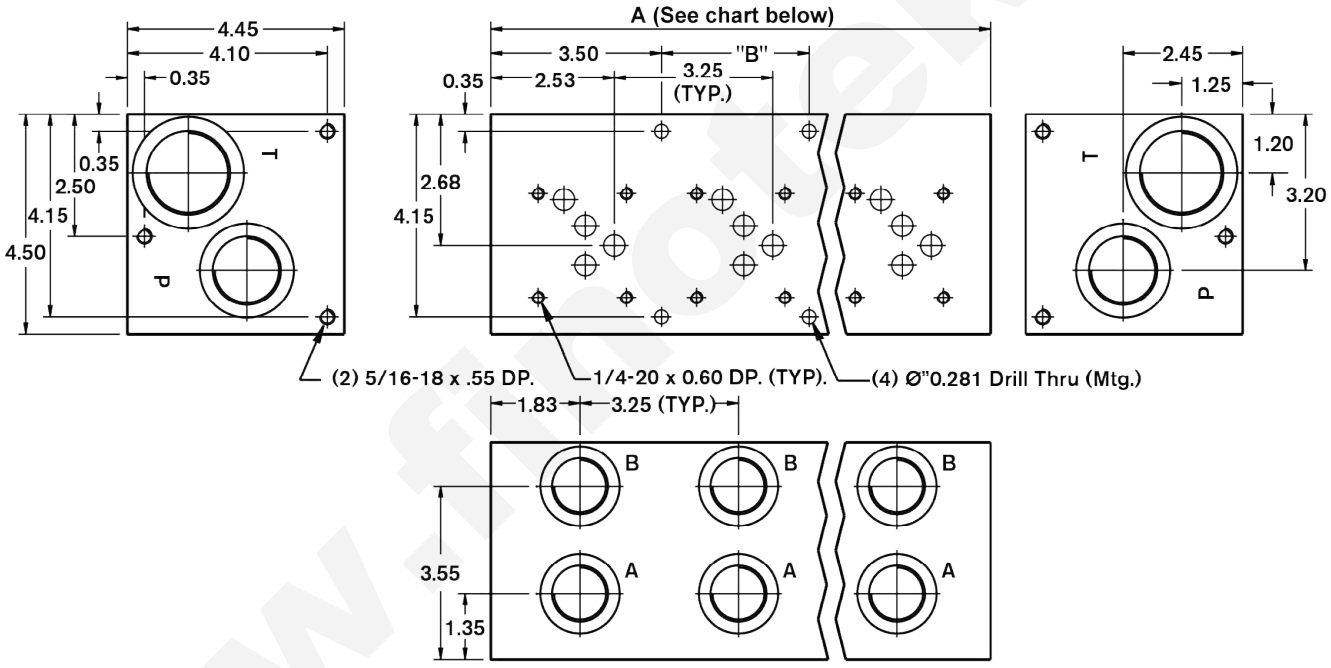
Material
S= Carbon Steel: 35MPa- 5075psi.

Bar Manifolds D05 (Size10)
Parallel Circuit Ultra High Flow

Number of Satation= 01-06

Valve Spacing
3= 3.25inch / 82.55mm

SAE Port Threads
S= T: 1 5/8-12 SAE-20
P: 1 5/16-12 SAE-16
A&B: 1 1/16-12 SAE-12



Number of Stations	02		03		04		05		06	
A Dimensions (inch/mm)	7	177.8	10.25	260.4	13.5	342.9	16.75	425.5	20	508
B Dimensions (inch/mm)	—	—	3.25	82.55	6.5	165.1	9.75	247.7	13	330.2
Approx. Weight ST (kgs)	16.33		24.04		31.75		39.46		47.17	

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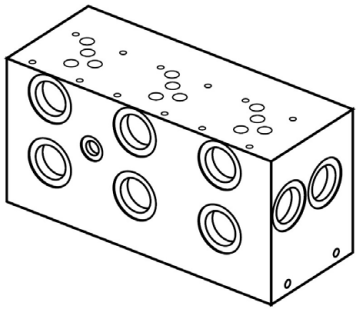
S/A-BM10PNS D05 (Size 10) Parallel Circuit Normal Flow with DBDS Cavity



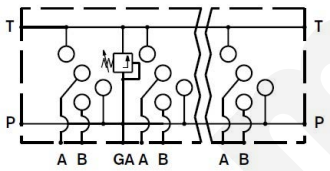
Features:

– DBDS10 Cavity available

– Threads checked by standard gauge

– Smooth surface processing for no leakage

Parallel circuit:



S-	BM10PNS	03	B	2	DBD

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

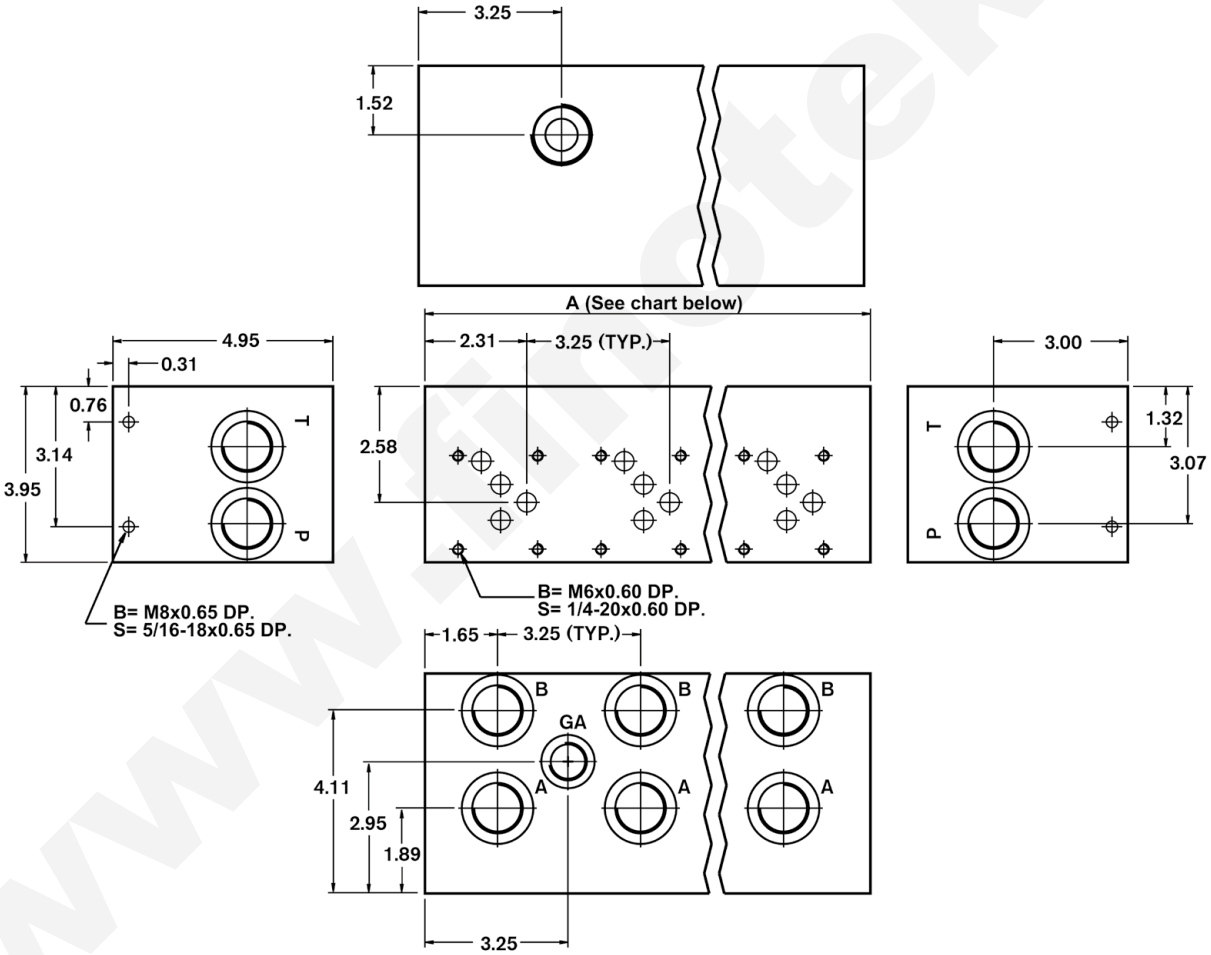
Bar Manifolds D05 (Size 10)
Parallel Circuit Normal Flow With DBDS Cavity

Number of Satation= 01-07

DBD= Relief Cavity Rexroth DBDS10

Valve Spacing
3= 3.25inch / 82.55mm

Port Threads
B= BSPP Threaded Ports
S= SAE Threaded Ports



Threads	P & T Ports	A & B Ports	GA Port
B	3/4" BSPP	3/4" BSPP	1/4" BSPP
S	1-1/16-12 SAE-12	1-1/16-12 SAE-12	9/16-18 SAE-6

Number of Stations	01		02		03		04		05		06		07	
A Dimensions (inch/mm)	5	127.0	6.88	174.6	10.13	257.3	13.38	339.9	16.63	422.4	19.88	504.95	23.13	587.5
Approx. Weight AL (kgs)	4.54		5.90		9.07		10.89		14.52		17.69		20.41	
Approx. Weight ST (kgs)	11.79		15.88		23.59		29.03		39.01		46.27		54.43	

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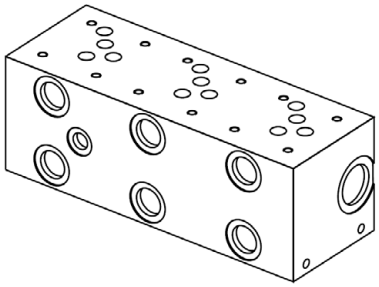
S/A-BM10SN D05 (Size 10) Series Circuit Normal Flow



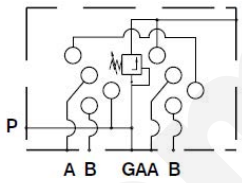
Features:

– ISO4401 standard pattern

– No leakage tested

– Qualified raw materials for high pressure

Parallel circuit:



S-	BM10SN	03	B	3	

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

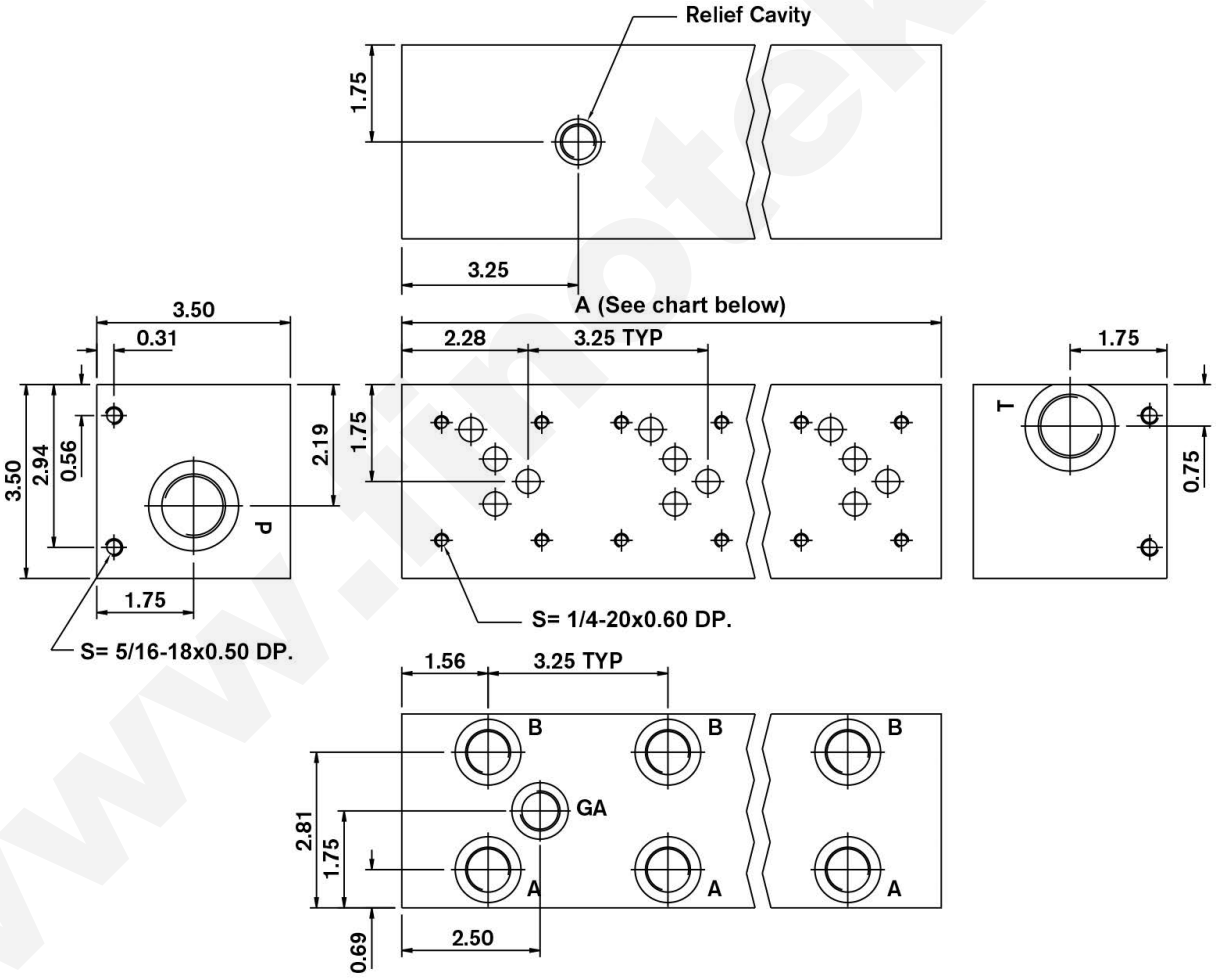
Bar Manifolds D05 (Size10)
Circuit Normal Flow

Number of Satation= 02-04

Omit= No options
RCS= Relief Cavity Sun T-3A (P in nose)

Valve Spacing
3= 3.25inch / 82.55mm

Port Threads
S= SAE Threaded Ports



Threads	P & T Ports	A & B Ports	GA Ports
S	1-1/16-12 SAE-12	3/4/-16 SAE-8	9/16-18 SAE-6

Number of Stations	02		03		04	
A Dimensions (inch/mm)	6.5	165.10	9.75	247.65	13	330.2
Approx. Weight AL (kgs)	3.63		5.44		7.26	
Approx. Weight ST (kgs)	9.07		14.06		18.60	

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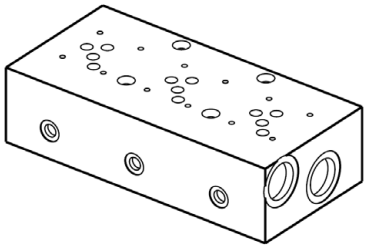
S-AMB10PL D05 (Size 10) Parallel Circuit Low Flow



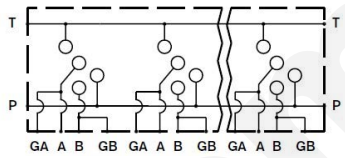
Features:

– CETOP 05 pattern valves

– Gauge port for A and B ports

– Qualified steel better than ductile iron

Parallel circuit:



S-	AMB10PL	03	S	3	G

Material
S= Carbon Steel: 35MPa- 5075psi.

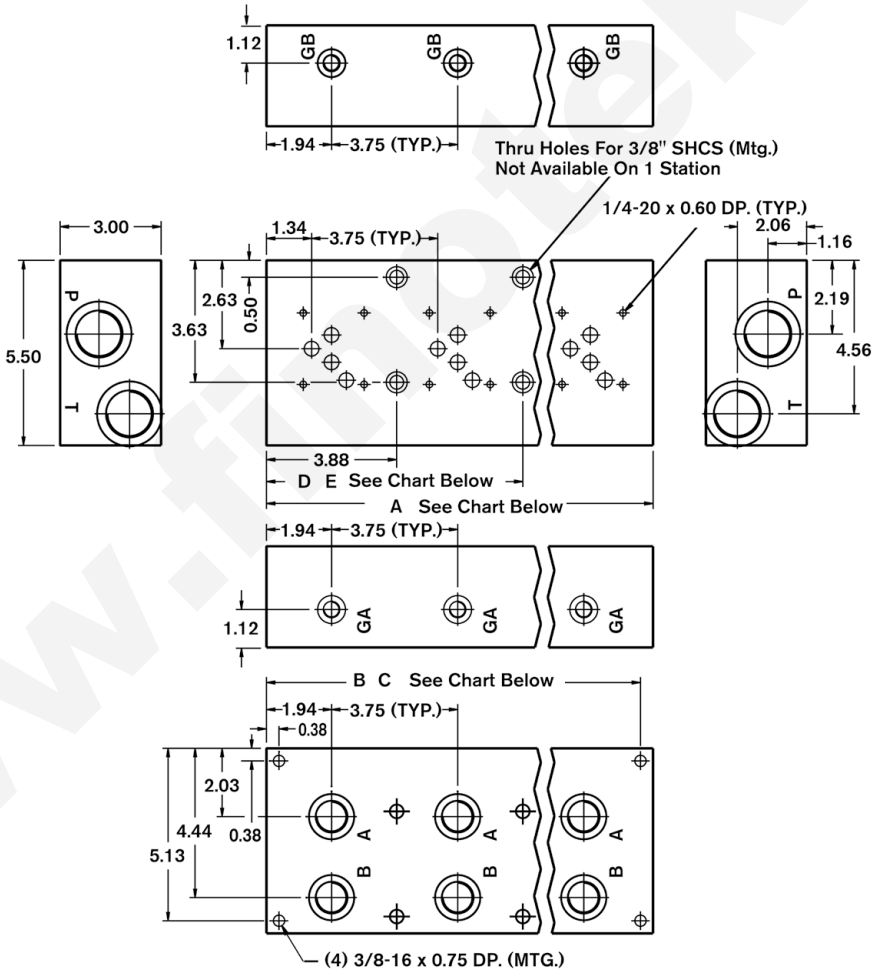
Bar Manifolds D05 (Size10)
Parallel Circuit Low Flow

Number of Satation= 01-08

G= Gauge Ports for A and B

Valve Spacing
3= 3.25inch / 82.55mm

SAE Port Threads
S= P & T: 1 5/16-12 SAE-16
A & B: 7/8-14 SAE-10
GA: 7/16-20 SAE-4



Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	4	101.6	7.75	196.9	11.50	292.1	15.25	387.4	19.00	482.6	22.75	577.9	26.50	673.1	30.25	768.4
B Dimensions (inch/mm)	3.625	92.08	7.375	187.3	11.125	282.6	14.875	377.8	18.625	473.1	22.375	568.3	26.125	663.6	29.875	758.8
C Dimensions (inch/mm)	–	–	–	–	–	–	–	–	–	–	11.125	282.6	14.875	377.8	14.875	377.8
D Dimensions (inch/mm)	–	–	–	–	7.625	193.7	11.375	288.9	15.125	384.2	18.875	479.4	22.625	574.7	26.375	669.9
E Dimensions (inch/mm)	–	–	–	–	–	–	–	–	–	–	11.563	293.7	11.375	288.9	15.312	388.9
Approx. Weight ST (kgs)	7.71		14.97		22.23		29.48		37.2		44.45		51.71		58.97	

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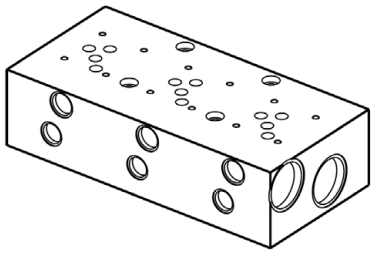
S-ABM10PH D05 (Size 10) Parallel Circuit High Flow With ISO Ports



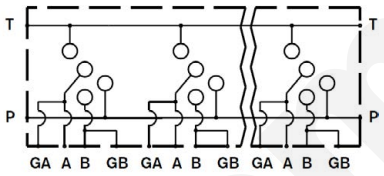
Features:

– Large flow rate in systems

– Standard ISO6149-1 threaded ports

– Easy replacement interchangeable

Parallel circuit:



S-	ABM10PH	03	O	3	G	M

Material
S= Carbon Steel: 35MPa- 5075psi.

Bar Manifolds D05 (Size 10)
Parallel Circuit High Flow with ISO 6149-1 Ports

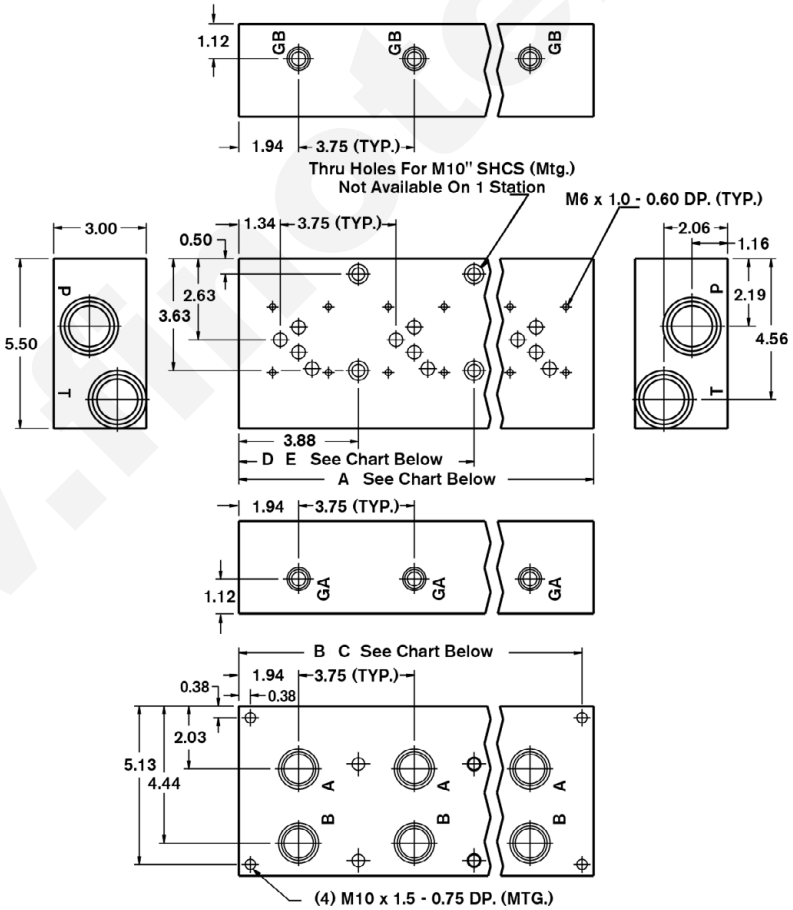
Number of Satation= 01-08

M= Metric Mounting Taps

G= Gauge Ports for A and B

Valve Spacing
3= 3.25inch / 82.55mm

Port Threads
O= Metric Threaded Ports
P & T: M33 x 2
A & B: M27 x 1.5
GA: M12 x 1.5



Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	4.00	101.6	7.75	196.9	11.50	292.1	15.25	387.4	19.00	482.6	22.75	577.9	26.50	673.1	30.25	768.4
B Dimensions (inch/mm)	3.625	92.08	7.375	187.3	11.125	282.6	14.875	377.8	18.625	473.1	22.375	568.3	26.125	663.6	29.875	758.8
C Dimensions (inch/mm)	–	–	–	–	–	–	–	–	–	–	11.125	282.6	14.875	377.8	14.875	377.8
D Dimensions (inch/mm)	–	–	–	–	7.625	193.7	11.375	288.9	15.125	384.2	18.875	479.4	22.625	574.7	26.375	669.9
E Dimensions (inch/mm)	–	–	–	–	–	–	–	–	–	–	11.563	293.7	11.375	288.9	15.312	388.9
Approx. Weight ST (kgs)	7.71		14.97		22.23		29.48		37.2		44.45		51.71		58.97	

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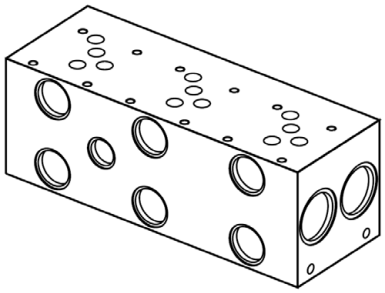
S-IBM10PN D05 (Size 10) Parallel Circuit Normal Flow



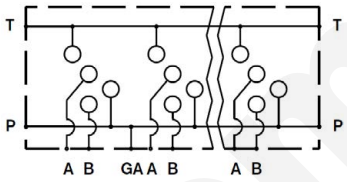
Features:

– Industry standard cavity

– Standard valve pattern for replacement

– Fine carbon steel better than ductile iron

Parallel circuit:



S-	IBM10PN	03	O	2	M

Material
S= Carbon Steel: 35MPa- 5075psi.

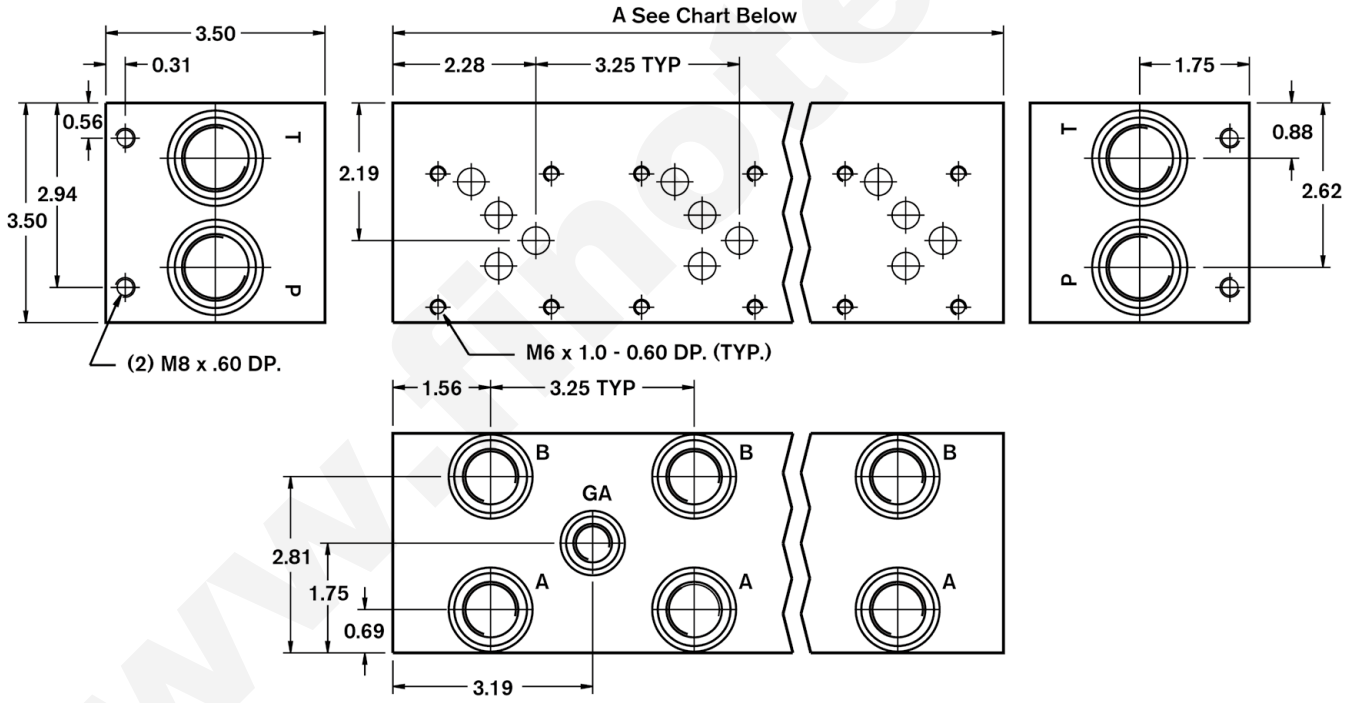
Bar Manifolds D05 (Size 10)
Parallel Circuit Normal Flow

Number of Satation= 01-08

M= Metric Mounting Taps

Valve Spacing
3= 3.25inch / 82.55mm

Port Threads
O= Metric Threaded Ports
P & T: M27 x 2
A & B: M18 x 1.5
GA: M12 x 1.5



Number of Stations	01		02		03		04		05		06		07		08	
A Dimensions (inch/mm)	3.25	82.55	6.50	165.1	9.75	247.7	13.00	330.2	16.25	412.8	19.50	495.3	22.75	577.9	26.00	660.4
Approx. Weight ST (kgs)	4.54		9.53		14.06		18.60		23.59		28.12		32.66		37.65	

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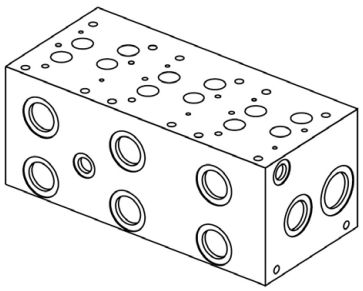
S/A-BM16PN D07 (Size 16) Parallel Circuit Normal



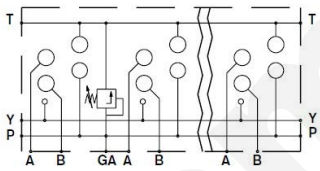
Features:

– Size16, CETOP7 series

– Precisely mounting dimensions

– Clean and no leakage cavity for assembly

Parallel circuit:



S-	BM16PN	03	B	4	

Material
S= Carbon Steel: 35MPa- 5075psi.
A= Aluminum: 20.7Mpa-3000psi

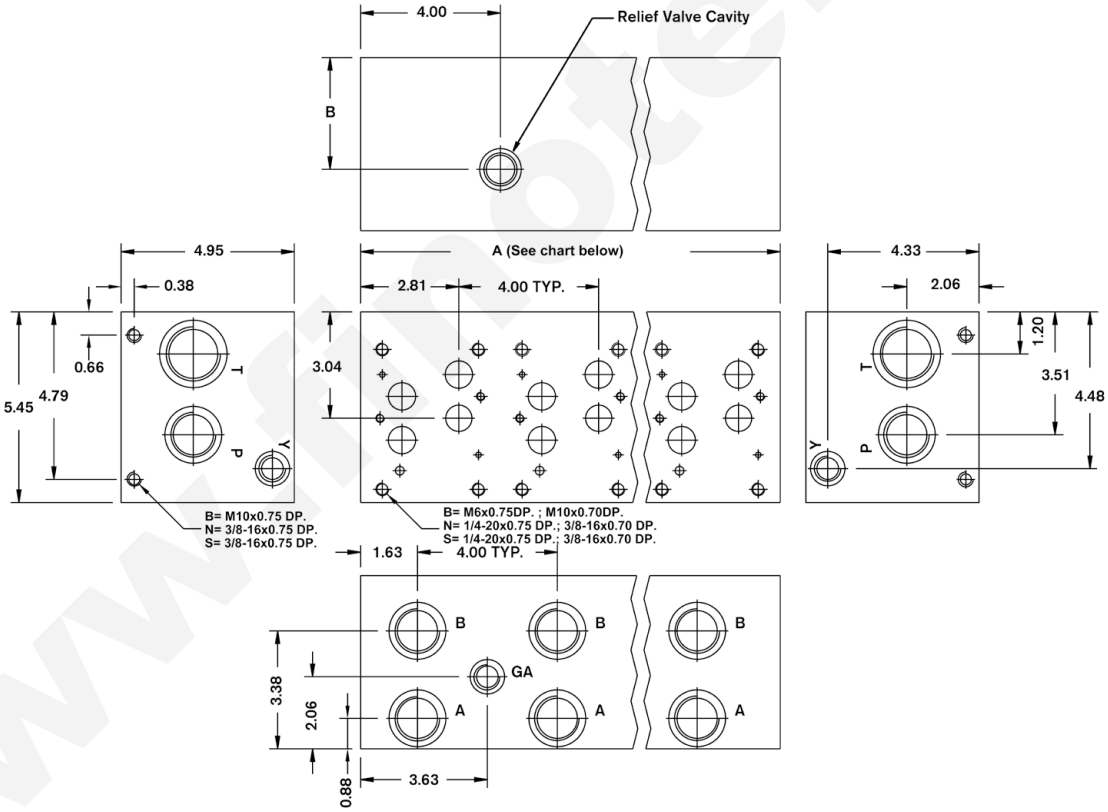
Bar Manifolds D07 (Size 16)
Parallel Circuit Normal Flow

Number of Satation= 01-06

Omit = No options
RCS= Relief Cavity Sun T-3A (P in nose)

Valve Spacing
4= 4 inch / 101.60mm

Port Threads
B= BSPP Threaded Ports
N= NPTThreaded Ports
S= SAEThreaded Ports



Threads	T Port	P + A & B Ports	GA, X & Y Ports
B	1” BSPP	3/4” BSPP	1/4” BSPP
N	1” NPT	3/4” NPT	1/4” NPT
S	1-5/16-12 SAE-16	1-1/16-12 SAE-12	9/16-18 SAE-6

Number of Stations	01		02		03		04		05		06	
A Dimensions (inch/mm)	4.03	102.36	8	203.2	12	304.8	16	406.4	20	508	24	609.6
B RCS Dimensions (inch/mm)	3.25	82.55	3.25	82.55	3.25	82.55	3.25	82.55	3.25	82.55	3.25	82.55
Approx. Weight AL (kgs)	4.99		9.53		14.52		19.50		24.04		29.03	
Approx. Weight ST (kgs)	12.70		25.40		38.10		50.80		63.50		76.20	

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