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Mix-N-Match Dual Bodies

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Application Notes - Examples

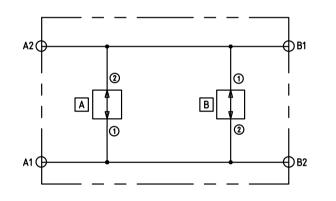
OVERVIEW

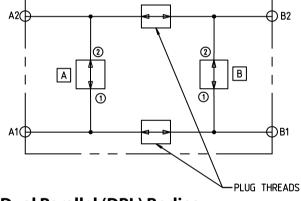
Distributors can choose from two standard dual body designs for multi-function circuits. These dual bodies will be available in both cross port and parallel circuit types. Threaded plug options are included to allow for design flexibility. Four sizes are available to house -8, -10, -12, and -16 two-way cartridges. Aluminum and steel versions with SAE or BSP ports can be selected.

- Bodies designed for Two, 2-way Cartridges
- Cross-Port and Parallel Designs
- -8, -10, -12, -16 Body Sizes
- Aluminum and Steel
- SAE and BSP Porting
- Threaded Plug Options Available for More Flexibility (Parallel Bodies)

Dual Cross Port Body - Basic Schematic

Dual Parallel Body - Basic Schematic





Dual Cross Port (DCP) Bodies

DCP16-2

DCP12-2

DCP10-2

DCP08-2

lies Dual Parallel (DPL) Bodies

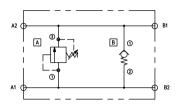


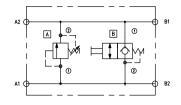


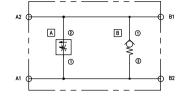
Mix-N-Match Dual Bodies Catalog

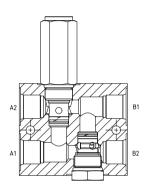
Application Notes - Examples

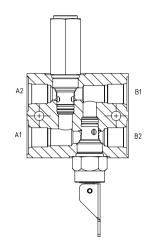
Circuits Examples - Dual Cross Port Body

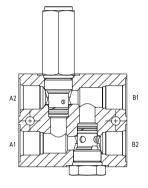




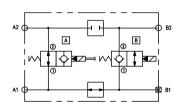


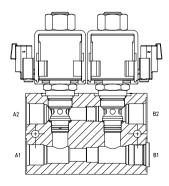


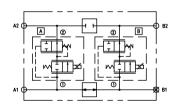


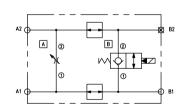


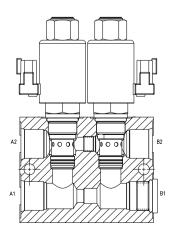
Circuit Examples - Dual Parallel Body

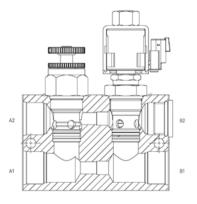










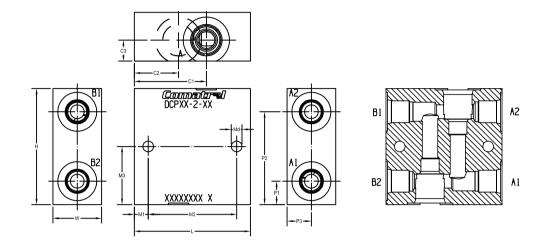




Mix-N-Match Dual Bodies Catalog

Dimensions

Dual Cross-Port (DCP) Bodies



PortDimensions

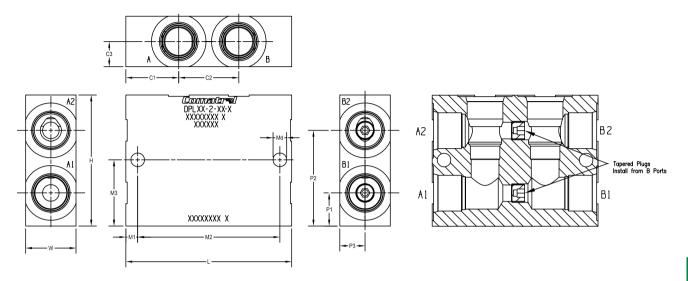
	Ports	Plug Thread		1	W	I	L	H	ł	Ν	/11	M	2	N	13	N	1d	Р	1	Р	2	P	3	C	1	0	2	C	3
Body	(SAE)	(Plug Part #)	Material	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
DPL08	#6 SAE	M10x1	Aluminum	31.8	1.25	100.0	3.94	62.5	2.46	8.0	0.31	84.0	3.31	31.2	1.23	7.0	0.28	15.0	0.59	47.3	1.86	15.9	0.63	27.5	1.08	45.0	1.77	13.6	0.54
DPLU6	#0 SAE	(321562)	Ductile	31.8	1.25	100.0	3.94	75.7	2.98	8.0	0.31	84.0	3.31	37.8	1.49	7.0	0.28	15.0	0.59	60.5	2.38	15.9	0.63	27.5	1.08	45.0	1.77	13.6	0.54
DPL10	#8 SAE	M14x1.5	Aluminum	38.1	1.50	113.3	4.46	75.7	2.98	9.0	0.35	94.7	3.73	37.8	1.49	7.0	0.28	18.0	0.71	56.7	2.23	19.0	0.75	32.0	1.26	48.7	1.92	17.5	0.69
DFLIO	#0 JAL	(321660)	Ductile	38.1	1.50	113.3	4.46	75.7	2.98	9.0	0.35	94.7	3.73	37.8	1.49	7.0	0.28	18.0	0.71	56.7	2.23	19.0	0.75	32.0	1.26	48.7	1.92	17.5	0.69
DPL12	#12 SAE	M14x1.5	Aluminum	38.1	1.50	125.4	4.94	99.0	3.90	9.0	0.35	107.2	4.22	50.0	1.97	10.3	0.41	25.0	0.98	72.2	2.84	19.0	0.75	40.0	1.57	45.2	1.78	19.1	0.75
DFLIZ	#12 JAL	(321660)	Ductile	38.1	1.50	125.4	4.94	99.0	3.90	9.0	0.35	107.2	4.22	50.0	1.97	10.3	0.41	25.0	0.98	72.2	2.84	19.0	0.75	40.0	1.57	45.2	1.78	19.1	0.75
DPL16	#16 SAE	M14x1.5	Aluminum	49.8	1.96	152.4	6.00	99.0	3.90	9.0	0.35	132.8	5.23	49.0	1.93	10.3	0.41	23.5	0.93	73.4	2.89	24.9	0.98	46.0	1.81	61.4	2.42	24.9	0.98
DPLIO	#10 SAE	(321660)	Ductile	49.8	1.96	152.4	6.00	99.0	3.90	9.0	0.35	132.8	5.23	49.0	1.93	10.3	0.41	23.5	0.93	73.4	2.89	24.9	0.98	46.0	1.81	61.4	2.42	24.9	0.98
			-	-		-								-															
Body	Ports	Plug Thread	Material	١	W	l	L	ŀ	1	Ν	/11	M	2	N	13	N	1d	Р	1	P	2	P	3	C	1	0	2	C	:3
Body	Ports (BSP)	Plug Thread (Plug Part #)	Material	۱ mm		l mm	in	H mm	l in	N mm		M	2 in	N mm	13 in	N mm	1d in	P mm	1 in	P mm	2 in	P mm	3 in	C mm	1 in	(mm	2 in	C mm	3 in
	(BSP)		Material Aluminum	<u> </u>	in			mm		mm		mm	in	mm	in	mm	in	mm	in	_	in	mm	in	mm	in	mm	in	_	in
Body DPL08		(Plug Part #)		mm	in 1.26	100.0	3.94	mm	in	mm 8.0	in	mm	in 3.31	mm	in 1.23	mm 7.0	in	mm 15.0	in 0.59	mm 47.5	in	mm 16.0	in 0.63	mm	in 2.85	mm 27.5	in 1.08	mm	in 0.54
DPL08	(BSP) G3/8	(Plug Part #) M10x1	Aluminum	mm 32.0 32.0	in 1.26 1.26	100.0	3.94 3.94	mm 62.5 75.7	in 2.46 2.98	mm 8.0 8.0	in 0.31	mm 84.0 84.0	in 3.31 3.31	mm 31.3 37.9	in 1.23 1.49	mm 7.0 7.0	in 0.28 0.28	mm 15.0 15.0	in 0.59 0.59	mm 47.5	in 1.87 2.39	mm 16.0 16.0	in 0.63 0.63	mm 72.5 72.6	in 2.85 2.86	mm 27.5 28.0	in 1.08 1.10	mm 13.6	in 0.54 0.54
	(BSP)	(Plug Part #) M10x1 (321562) M14x1.5	Aluminum Ductile	mm 32.0 32.0	in 1.26 1.26 1.50	100.0 100.0 113.0	3.94 3.94 4.45	mm 62.5 75.7 75.0	in 2.46 2.98	mm 8.0 8.0 9.2	in 0.31 0.31	mm 84.0 84.0 94.7	in 3.31 3.31 3.73	mm 31.3 37.9 37.5	in 1.23 1.49 1.48	mm 7.0 7.0 7.0	in 0.28 0.28	mm 15.0 15.0 18.0	in 0.59 0.59 0.71	mm 47.5 60.8	in 1.87 2.39 2.30	mm 16.0 16.0 19.0	in 0.63 0.63 0.75	mm 72.5 72.6 81.0	in 2.85 2.86 3.19	mm 27.5 28.0 32.0	in 1.08 1.10 1.26	mm 13.6 13.6	in 0.54 0.54 0.69
DPL08 DPL10	(BSP) G3/8 G1/2	(Plug Part #) M10x1 (321562) M14x1.5	Aluminum Ductile Aluminum	mm 32.0 32.0 38.0 38.0	in 1.26 1.26 1.50	100.0 100.0 113.0 113.0	3.94 3.94 4.45 4.45	mm 62.5 75.7 75.0 75.0	in 2.46 2.98 2.95	mm 8.0 8.0 9.2 9.2	in 0.31 0.31 0.36	mm 84.0 84.0 94.7 94.7	in 3.31 3.31 3.73 3.73	mm 31.3 37.9 37.5 37.5	in 1.23 1.49 1.48 1.48	<pre>mm 7.0 7.0 7.0 7.0 7.0</pre>	in 0.28 0.28 0.28	mm 15.0 15.0 18.0 18.0	in 0.59 0.59 0.71 0.71	mm 47.5 60.8 58.5 58.5	in 1.87 2.39 2.30	mm 16.0 16.0 19.0 19.0	in 0.63 0.63 0.75 0.75	mm 72.5 72.6 81.0	in 2.85 2.86 3.19 3.19	mm 27.5 28.0 32.0 32.0	in 1.08 1.10 1.26 1.26	mm 13.6 13.6 17.5	in 0.54 0.54 0.69 0.69
DPL08	(BSP) G3/8	(Plug Part #) M10x1 (321562) M14x1.5 (321660) M14x1.5	Aluminum Ductile Aluminum Ductile	mm 32.0 32.0 38.0 38.0	in 1.26 1.26 1.50 1.50 1.50	100.0 100.0 113.0 113.0 126.0	3.94 3.94 4.45 4.45 4.96	 mm 62.5 75.7 75.0 75.0 99.0 	in 2.46 2.98 2.95 2.95	mm 8.0 9.2 9.2 9.3	in 0.31 0.31 0.36 0.36	mm 84.0 84.0 94.7 94.7 107.4	in 3.31 3.31 3.73 3.73 4.23	mm 31.3 37.9 37.5 37.5 50.0	in 1.23 1.49 1.48 1.48 1.97	<pre>mm 7.0 7.0 7.0 7.0 10.5</pre>	in 0.28 0.28 0.28 0.28	mm 15.0 15.0 18.0 18.0 25.0	in 0.59 0.59 0.71 0.71 0.98	mm 47.5 60.8 58.5 58.5 72.2	in 1.87 2.39 2.30 2.30	mm 16.0 16.0 19.0 19.0 19.0	in 0.63 0.63 0.75 0.75 0.75	mm 72.5 72.6 81.0 81.0 85.5	in 2.85 2.86 3.19 3.19	mm 27.5 28.0 32.0 32.0 40.0	in 1.08 1.10 1.26 1.26 1.57	mm 13.6 13.6 17.5 17.5	in 0.54 0.54 0.69 0.69 0.75
DPL08 DPL10	(BSP) G3/8 G1/2	(Plug Part #) M10x1 (321562) M14x1.5 (321660) M14x1.5	Aluminum Ductile Aluminum Ductile Aluminum	mm 32.0 32.0 38.0 38.0 38.0	in 1.26 1.26 1.50 1.50 1.50 1.50	100.0 100.0 113.0 113.0 126.0	3.94 3.94 4.45 4.45 4.96 4.96	 mm 62.5 75.7 75.0 99.0 99.0 	in 2.46 2.98 2.95 2.95 3.90 3.90	 mm 8.0 9.2 9.3 9.3 	in 0.31 0.36 0.36 0.37 0.37	mm 84.0 84.0 94.7 94.7 107.4	in 3.31 3.73 3.73 4.23 4.23	 mm 31.3 37.9 37.5 37.5 50.0 50.0 	in 1.23 1.49 1.48 1.48 1.97 1.97	 mm 7.0 7.0 7.0 10.5 10.5 	in 0.28 0.28 0.28 0.28 0.41 0.41	<pre>mm 15.0 15.0 18.0 18.0 25.0 25.0</pre>	in 0.59 0.71 0.71 0.98 0.98	 mm 47.5 60.8 58.5 58.5 72.2 72.2 	in 1.87 2.39 2.30 2.30 2.84 2.84	<pre>mm 16.0 16.0 19.0 19.0 19.0 19.0</pre>	in 0.63 0.75 0.75 0.75 0.75	mm 72.5 72.6 81.0 81.0 85.5 85.5	in 2.85 2.86 3.19 3.19 3.37	mm 27.5 28.0 32.0 32.0 40.0	in 1.08 1.10 1.26 1.26 1.57 1.57	mm 13.6 13.6 17.5 17.5 19.0	in 0.54 0.69 0.69 0.75 0.75



Mix-N-Match Dual Bodies Catalog

Dimensions

Dual Parallel (DPL) Bodies



Port Dimensions

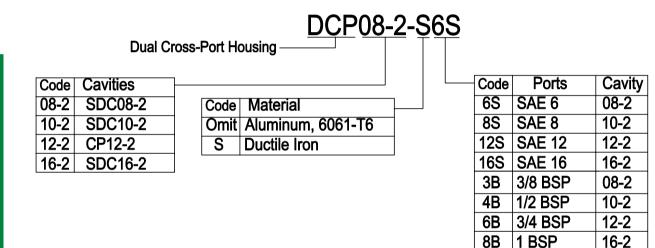
Body	Ports (SAE)	Material	V	V	L		Ŧ	l	N	/11	M	2	N	13	M	d	Р	P1	Р	2	P	3	C	1	C	2	C	3
воау	POILS (SAE)	waterial	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
DCP08	#6 SAE	Aluminum	31.8	1.25	75.0	2.95	62.5	2.46	9.0	0.35	57.0	2.24	31.0	1.22	7.0	0.28	15.2	0.60	47.3	1.86	15.9	0.63	46.5	1.83	28.5	1.12	13.6	0.54
DCP08	#0 JAL	Ductile	31.8	1.25	75.7	2.98	75.7	2.98	9.0	0.35	57.0	2.24	37.9	1.49	7.0	0.28	15.2	0.60	60.5	2.38	15.9	0.63	46.9	1.85	28.8	1.13	13.6	0.54
DCP10	#8 SAE	Aluminum	38.1	1.50	87.3	3.44	75.0	2.95	9.0	0.35	69.3	2.73	37.0	1.46	7.0	0.28	19.0	0.75	56.1	2.21	19.1	0.75	32.0	1.26	55.3	2.18	15.9	0.63
DCI 10	#0 JAL	Ductile	38.1	1.50	87.3	3.44	75.0	2.95	9.0	0.35	69.3	2.73	37.0	1.46	7.0	0.28	19.0	0.75	56.1	2.21	19.1	0.75	33.5	1.32	53.8	2.12	18.1	0.71
DCP12	#12 SAE	Aluminum	38.1	1.50	125.4	4.94	99.0	3.90	9.0	0.35	94.7	3.73	50.0	1.97	10.3	0.41	26.8	1.05	73.3	2.88	19.0	0.75	71.7	2.82	41.0	1.61	19.0	0.75
DCF 12	#12 JAL	Ductile	38.1	1.50	112.7	4.44	99.0	3.90	9.0	0.35	107.4	4.23	50.0	1.97	10.3	0.41	26.8	1.05	72.3	2.84	19.0	0.75	83.4	3.28	42.0	1.65	19.1	0.75
DCD1C	#16 SAE	Aluminum	44.5	1.75	125.4	4.94	100.0	3.94	9.0	0.35	107.4	4.23	50.0	1.97	10.3	0.41	23.0	0.91	75.5	2.97	22.2	0.88	79.4	3.13	46.0	1.81	22.2	0.88
				4 75	125 4	1 01	112.7	1 11	9.0	0 35	107.4	4 23	56.4	2 22	10.3	0.41	25.6	1 01	87.2	3.43	22.2	0.88	79.4	3 1 3	46.0	1 81	22.2	0.88
DCP16	110 0/12	Ductile	44.5	1.75	125.4	4.54	112.7	4.44	5.0	0.55	107.4	4.25	50.4	2.22	10.0	0.11		1.01	07.2	0.10		0.00	79.1	0.10	.0.0	1.01	22.2	0.00
DCP16	110 0/12	Ductile	44.5	1.75	125.4	4.94	112.7	4.44	5.0	0.55	107.4	4.25	50.4	2.22	10.0	0.11		1.01	07.2	5.15		0.00	/5/1	0.10	10.0	1.01	22.2	0.00
				1.75 V	123.4 L	4.94	112.7 F		5.0 N		107.4 M			13	M			1.01	P		P		C			2	C	
Body	Ports (BSP)				123.4 L	in	++++	in																				
Body	Ports (BSP)		V	V in	L	in 2.95	⊦ mm	in 2.46	N mm	/11 in	M	2 in	N mm	I3 in	M mm	d in	P mm		Р	2 in	P. mm		C		C	2 in	C	3 in
		Material	V mm	V in 1.26	mm 75.0	in	mm 62.5		M mm 9.0	/11 in	M mm 57.0	2 in 2.24	N mm	1 3 in 1.22	M mm 7.0	d in 0.28	P mm 15.2	1 in	Р mm 47.3	2 in 1.86	P. mm	3 in 0.63	C: mm	1 in	C mm	2 in 1.12	C mm	3 in 0.54
Body DCP08	Ports (BSP) G3/8	Material Aluminum	V mm 32.0 32.0	V in 1.26	mm 75.0 75.0	in 2.95	H mm 62.5 75.0	2.46	mm 9.0 9.0	11 in 0.35	M mm 57.0 57.0	2 in 2.24 2.24	N mm 31.0	in 1.22 1.48	mm 7.0 7.0	d in 0.28 0.28	P mm 15.2 15.2	1 in 0.60 0.60	P mm 47.3 60.5	2 in 1.86 2.38	P mm 16.0	3 0.63 0.63	C mm 46.5 47.0	1 in 1.83	0 mm 28.5	2 in 1.12 1.13	C mm 13.6 13.6	3 in 0.54 0.54
Body	Ports (BSP)	Material Aluminum Ductile	V mm 32.0 32.0 38.0	V in 1.26 1.26	mm 75.0 75.0 87.3	in 2.95 2.95	mm 62.5 75.0 75.0	2.46 2.95	₩ 9.0 9.0 9.0	11 0.35 0.35 0.35	M mm 57.0 57.0 69.3	2 in 2.24 2.24 2.73	₩ mm 31.0 37.5	in 1.22 1.48 1.46	Mm 7.0 7.0 7.0	d in 0.28 0.28 0.28	P mm 15.2 15.2 19.0	1 in 0.60 0.60	P mm 47.3 60.5 56.1	2 in 1.86 2.38 2.21	P mm 16.0 16.0	3 0.63 0.63 0.75	C mm 46.5 47.0 33.5	1 in 1.83 1.85	mm 28.5 28.7	2 in 1.12 1.13 2.12	C mm 13.6 13.6 18.1	3 in 0.54 0.54 0.71
Body DCP08 DCP10	Ports (BSP) G3/8 G1/2	Material Aluminum Ductile Aluminum	V mm 32.0 32.0 38.0 38.0	v 1.26 1.26 1.50 1.50	mm 75.0 75.0 87.3	in 2.95 2.95 3.44	mm 62.5 75.0 75.0	2.46 2.95 2.95	mm 9.0 9.0 9.0 9.0	11 0.35 0.35 0.35 0.35	M mm 57.0 57.0 69.3 69.3	2 in 2.24 2.24 2.73 2.73	Mm 31.0 37.5 37.0 37.0	I3 in 1.22 1.48 1.46 1.46	Mm 7.0 7.0 7.0	d in 0.28 0.28 0.28 0.28	P mm 15.2 15.2 19.0 19.0	21 0.60 0.60 0.75	P mm 47.3 60.5 56.1 56.0	2 in 1.86 2.38 2.21 2.20	P mm 16.0 16.0 19.0	3 0.63 0.63 0.75	C mm 46.5 47.0 33.5 33.5	1 1.83 1.85 1.32	0 mm 28.5 28.7 53.8 53.8	2 in 1.12 1.13 2.12 2.12	C mm 13.6 13.6 18.1	3 in 0.54 0.54 0.71 0.71
Body DCP08	Ports (BSP) G3/8	Material Aluminum Ductile Aluminum Ductile	V mm 32.0 32.0 38.0 38.0 38.0	V 1.26 1.26 1.50 1.50 1.50	L mm 75.0 75.0 87.3 87.3 112.7	in 2.95 2.95 3.44 3.44 4.44	+ mm 62.5 75.0 75.0 75.0 99.0	2.46 2.95 2.95 2.95	Imm 9.0 9.0 9.0 9.0 9.0 9.0	11 0.35 0.35 0.35 0.35 0.35	M 57.0 57.0 69.3 94.7	2 2.24 2.24 2.73 2.73 3.73	W 31.0 37.5 37.0 37.0 50.0	in 1.22 1.48 1.46 1.46 1.97	Mm 7.0 7.0 7.0 7.0	d in 0.28 0.28 0.28 0.28 0.41	P mm 15.2 15.2 19.0 19.0 26.8	1 0.60 0.60 0.75 0.75	P mm 47.3 60.5 56.1 56.0	2 in 1.86 2.38 2.21 2.20 2.84	P 16.0 16.0 19.0 19.0	3 in 0.63 0.63 0.75 0.75	C mm 46.5 47.0 33.5 33.5	1 1.83 1.85 1.32 1.32	0 mm 28.5 28.7 53.8 53.8	2 in 1.12 1.13 2.12 2.12 1.61	C mm 13.6 13.6 18.1 18.0 19.0	3 0.54 0.54 0.71 0.71 0.75
Body DCP08 DCP10	Ports (BSP) G3/8 G1/2	Material Aluminum Ductile Aluminum Ductile Aluminum	V 32.0 32.0 38.0 38.0 38.0 38.0	v 1.26 1.26 1.50 1.50 1.50 1.50	L mm 75.0 75.0 87.3 87.3 112.7	in 2.95 2.95 3.44 3.44 4.44 4.94	+ mm 62.5 75.0 75.0 99.0 99.0	2.46 2.95 2.95 2.95 3.90 3.90	 Mm 9.0 9.0 9.0 9.0 9.0 9.0 	11 0.35 0.35 0.35 0.35 0.35 0.35	M 57.0 57.0 69.3 69.3 94.7 107.4	2 in 2.24 2.24 2.73 2.73 3.73 4.23	W 31.0 37.5 37.0 37.0 50.0	in 1.22 1.48 1.46 1.46 1.97 1.97	mm 7.0 7.0 7.0 10.5 10.5	d in 0.28 0.28 0.28 0.28 0.28 0.41 0.41	P mm 15.2 15.2 19.0 19.0 26.8 26.7	1 0.60 0.75 0.75 1.05	P mm 47.3 60.5 56.1 56.0 72.3	2 in 1.86 2.38 2.21 2.20 2.84 2.88	P 16.0 16.0 19.0 19.0 19.0	3 0.63 0.63 0.75 0.75 0.75	C. mm 46.5 47.0 33.5 33.5 71.7	1 1.83 1.85 1.32 1.32 2.82 3.28	00000000000000000000000000000000000000	2 in 1.12 1.13 2.12 2.12 1.61 1.65	C mm 13.6 13.6 18.1 18.0 19.0 19.0	3 in 0.54 0.71 0.71 0.75 0.75



SPECIFICATIONS

Dated processo	204 bar [3000 psi], Aluminum
Rated pressure	414 bar [6000 psi], Ductile
Finish	Aluminum, None
FINISN	Ductile, Zinc Plate
Diver Terrere	M10x1.0 - 321562 [16-19 Nm (11.8-14 lbf*ft)]
Plug Torque	M14x1.5 - 321660 [35-38 Nm (25.8-28 lbf*ft)]

ORDERING INFORMATION - Dual Cross Port Body



ORDERING INFORMATION - Dual Parallel Body

DPL08-2-S6	S-A				
Dual Parallel Housing Code Code Code SDC08-2	Code	Ports SAE 6	Cavity 08-2	Code Omit A	Plugs None Plug A1 - B1
10-2 SDC10-2 Omit Aluminum, 6061-T6 12-2 CP12-2 S Ductile Iron	8S 12S	SAE 8 SAE 12	10-2 12-2	B C	Plug A2 - B2 Plug Both
16-2 SDC16-2	16S 3B 4B	SAE 16 3/8 BSP 1/2 BSP	16-2 08-2 10-2		
	6B 8B	3/4 BSP 1 BSP	12-2 16-2		

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