

# MIL-C-5015 Connector Fittings (MS3100 Series)



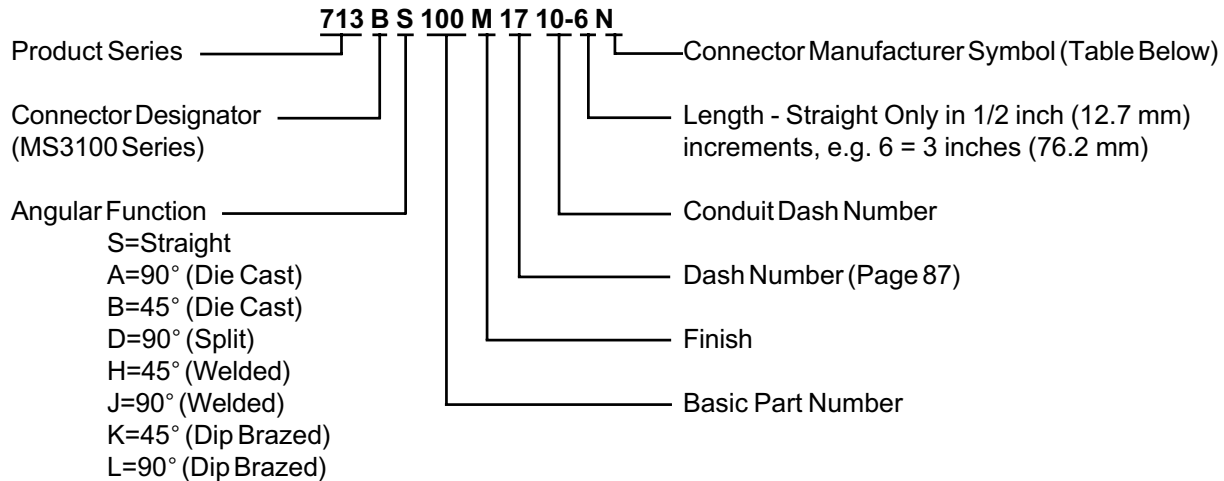
## PART NUMBER DEVELOPMENT FOR CONNECTOR DESIGNATOR "B"

MIL-C-5015 solder-type connectors do not have specification controlled or defined rear accessory accommodation. Therefore, among the various MS3100 Series suppliers there is lack of commonality or interchangeability in many shell sizes, and service classes. To assure optimum compatibility with MS 3100 Series solder contact connectors, it is preferred to select a specific backshell to a specific connector manufacturer's product. This is accomplished by assigning individual connector manufacturer symbols as shown in the part number development example. Connector manufacturer symbols are shown in the table below and pertinent connector fitting interface information is given on page F-14.

For proper use of these backshells, discard all rear hardware,

including wire seal grommets, normally supplied with the MS3100 Series connectors. (This information does not apply to endbell extenders commonly supplied with MS3100A Series connectors.)

Use the part number development shown on each of the backshell series pages, using Connector Designator B, Dash No. from table on chosen page and the suffix manufacturer symbol from the table below.



CONNECTOR MANUFACTURER SYMBOLS			
SYMBOL	MANUFACTURER	CONNECTOR SERIES	CLASS
<b>A</b>	All	MS3100, 01, 06	A/E/F/R
<b>H</b>	Amphenol	MS3100, 01, 06 97 Series Blue Insert	A
<b>L</b>	Amphenol/BCO	MS3100, 01, 06 10-214, 10-720 10-721, 10-726	A/E/F/R
<b>M</b>	Cannon	MS3100, 01, 06	A
<b>N</b>		MS3100, 01, 063 CA00, 01, 06	E/F/R



# MIL-C-5015 Connector Fittings (MS3100 Series)

MS 3100 SERIES MANUFACTURER DESIGNATIONS						
DASH NO.	SHELL SIZE	CONN. MFG DESIG.	SEE NOTE 3	ATHREAD CLASS 2B	B DIA MAX	C DIA NOM
01	8S	A	3	7/16 - 28 UNEF	.607 (15.4)	.625 (15.9)
02	8S	M, N,		7/16 - 28 UNEF	.607 (15.4)	.625 (15.9)
03	8S	L		3/8 - 32 UNEF	.607 (15.4)	.562 (14.3)
04	8S	H		7/16 - 27 UNS	.607 (15.4)	.625 (15.9)
05	10S	A	2	1/2 - 28 UNEF	.659 (16.7)	.687 (17.4)
06	10S	H, L, N		1/2 - 28 UNEF	.659 (16.7)	.687 (17.4)
07	10S	M		9/16 - 24 UNEF	.724 (18.4)	.687 (17.4)
08	10SL	A	2	9/16 - 24 UNEF	.724 (18.4)	.687 (17.4)
09	10SL	M, N		9/16 - 24 UNEF	.724 (18.4)	.687 (17.4)
10	10SL	H, L		5/8 - 24 UNEF	.848 (21.5)	.812 (20.6)
11	12, 12S	A	2	5/8 - 24 UNEF	.848 (21.5)	.812 (20.6)
12	12, 12S	L, N		5/8 - 24 UNEF	.848 (21.5)	.812 (20.6)
13	12, 12S	H, M		1 1/16 - 18 UNEF	.848 (21.5)	.812 (20.6)
14	12SL, 14, 14S	A		3/4 - 20 UNEF	.974 (24.7)	.937 (23.8)
15	16, 16S	A		7/8 - 20 UNEF	1.102 (28.0)	1.062 (27.0)
16	18	A		1 - 20 UNEF	1.188 (30.2)	1.187 (30.1)
17	20	A	2	1 1/8 - 18 UNEF	1.312 (33.3)	1.312 (33.3)
18	20	H, L, M, N		1 1/8 - 18 UNEF	1.312 (33.3)	1.312 (33.3)
20	22	A		1 1/4 - 18 UNEF	1.438 (36.5)	1.437 (36.5)
21	24	A		1 3/8 - 18 UNEF	1.562 (39.7)	1.562 (39.7)
22	28	A		1 5/8 - 18 UNEF	1.895 (48.1)	1.812 (46.0)
23	32	A		1 7/8 - 16 UN	2.125 (54.0)	2.062 (52.4)
24	32	L, M, N		1 7/8 - 16 UN	2.125 (54.0)	2.062 (52.4)
25	32	H		1 29/32 - 18 UNS	2.125 (54.0)	2.062 (52.4)
26	36	A	2	2 1/8 - 16 UN	2.375 (60.3)	2.312 (58.7)
27	36	M, N		2 1/8 - 16 UN	2.375 (60.3)	2.312 (58.7)
28	36	L		2 1/16 - 16 UNS	2.375 (60.3)	2.312 (58.7)
30	36	H		2 1/8 - 18 UNS	2.375 (60.3)	2.312 (58.7)
31	40	A	2	2 3/8 - 16 UN	2.625 (66.7)	2.562 (65.1)
32	40	H, M, N		2 3/8 - 16 UN	2.625 (66.7)	2.562 (65.1)
33	40	L		2 5/16 - 16 UNS	2.625 (66.7)	2.562 (65.1)
34	44	A		2 5/8 - 16 UN	2.875 (73.0)	2.875 (73.0)
35	48	A	2	2 7/8 - 16 UN	3.145 (79.9)	3.125 (79.4)
36	48	H		2 7/8 - 16 UN	3.145 (79.9)	3.125 (79.4)
37	48	N		2 13/16 - 18 UNS	3.145 (79.9)	3.125 (79.4)

1. Since the rear accessory accommodation is not spec controlled, many of the connectors manufactured by one supplier are incompatible with the adapters manufactured for another supplier. Therefore, to assure compatibility, the specific manufacturer's connector series symbol should be used when ordering. If the specific manufacturer is not known, order symbol A and corresponding dash number, for MS universal fit.
2. Symbol A mates with all connectors for each shell size.
3. Additional transition adapters may be supplied with symbol A for each shell size, as noted.

