



Backshells

Applications

Satellite
Launcher
Space station
Shuttle hardware

Standards

ESA/SCC 3401/062



Accessories for circular connectors

ESA/SCC 3401/062 backshells are approved for Flight Models. These accessories are not submitted to ESA/SCC 3401 CHART IV and CHART V.

So, they are delivered without LAT testing but with a date code limited traceability. The ESA/SCC product are also proposed for Engineering Models. The accessories are without ESA logo printing.

Part Number / Ordering information

SCC specification number	3401 062	01	B
Variant type	(see table below)		
B testing level	(not to be modified)		

Table of variant types

Variant	Backshell description	For connections	Shell size
01	nut	/052 (Series I)	09
		/044 (Series II)	08
02	nut	/052 (Series I)	11
		/044 (Series II)	10
03	nut	/052 (Series I)	13
		/044 (Series II)	12
04	nut	/052 (Series I)	15
		/044 (Series II)	14
05	nut	/052 (Series I)	17
		/044 (Series II)	16
06	nut	/052 (Series I)	19
		/044 (Series II)	18
07	nut	/052 (Series I)	21
		/044 (Series II)	20
08	nut	/052 (Series I)	23
		/044 (Series II)	22
09	nut	/052 (Series I)	25
		/044 (Series II)	24
10	straight cable clamp	/052 (Series I)	09
		/044 (Series II)	08
11	straight cable clamp	/052 (Series I)	11
		/044 (Series II)	10
12	straight cable clamp	/052 (Series I)	13
		/044 (Series II)	12
13	straight cable clamp	/052 (Series I)	15
		/044 (Series II)	14
14	straight cable clamp	/052 (Series I)	17
		/044 (Series II)	16
15	straight cable clamp	/052 (Series I)	19
		/044 (Series II)	18
16	straight cable clamp	/052 (Series I)	21
		/044 (Series II)	20
17	straight cable clamp	/052 (Series I)	23
		/044 (Series II)	22
18	straight cable clamp	/052 (Series I)	25
		/044 (Series II)	24
19	90° cable clamp	/052 (Series I)	09
		/044 (Series II)	08
20	90° cable clamp	/052 (Series I)	11
		/044 (Series II)	10
21	90° cable clamp	/052 (Series I)	13
		/044 (Series II)	12

Variant	Backshell description	For connections	Shell size
22	90° cable clamp	/052 (Series I)	15
		/044 (Series II)	14
23	90° cable clamp	/052 (Series I)	17
		/044 (Series II)	16
24	90° cable clamp	/052 (Series I)	19
		/044 (Series II)	18
25	90° cable clamp	/052 (Series I)	21
		/044 (Series II)	20
26	90° cable clamp	/052 (Series I)	23
		/044 (Series II)	22
27	90° cable clamp	/052 (Series I)	25
		/044 (Series II)	24
28	nut	/056 (Series III)	09
29			11
30			13
31			15
32			17
33			19
34			21
35			23
36			25
37	straight cable clamp	/056 (Series III)	09
38			11
39			13
40			15
41			17
42			19
43			21
44			23
45			25
46	90° cable clamp	/056 (Series III)	09
47			11
48			13
49			15
50			17
51			19
52			21
53			23
54			25



Dimensions (in mm/inch)

Nut

Shell size	A Max.		B Max.		C Max	Ø D		Ø E min
	(1)	(2)	(1)	(2)		(1) UNEF-2B	(2)	
08/09	13,7 .539	16,8 .661	19,1 .752	21,79 .858	6,6 .26	.4375-28	M12 x 1-6h	6,7 .264
10/11	13,7 .539	16,8 .661	21,5 .846	24,99 .984	6,6 .26	.5624-25	M15 x 1-6h	9,9 .39
12/13	13,7 .539	16,8 .661	25,4 1	29,39 1.157	6,6 .26	.6875-24	M18 x 1-6h	12,8 .504
14/15	13,7 .539	16,8 .661	27,9 1.098	32,49 1.279	6,6 .26	.8125-20	M22 x 1-6h	16 .63
16/17	13,7 .539	16,8 .661	31,8 1.252	35,71 1.406	6,6 .26	.9375-20	M25 x 1-6h	19,2 .756
18/19	13,7 .539	16,8 .661	35,6 1.402	38,5 1.516	6,6 .26	1.0625-18	M28 x 1-6h	21,4 .843
20/21	13,7 .539	16,8 .661	38,1 1.5	41,7 1.642	6,6 .26	1.1875-18	M31 x 1-6h	24,6 .969
22/23	13,7 .539	16,8 .661	41,9 1.65	44,91 1.768	6,6 .26	1.3125-18	M34 x 1-6h	27,7 1.091
24/25	13,7 .539	16,8 .661	44,5 1.752	47,98 1.889	6,6 .26	1.4375-1	M37 x 1-6h	30,9 1.217



Notes : (1) 01 to 09 variants (2) 28 to 36 variants

Straight cable clamp

Shell size	A Max.		B Max.		C Max	D		E		F Max.
	(1)	(2)	(1)	(2)		(1) UNEF-2B	(2)	min	Max.	
08/09	27,5 1.083	27,9 1.098	19,1 .752	21,79 .858	23,1 .909	.4375-28	M12 x 1-6h	2,49 .098	5,94 .234	21,6 .85
10/11	27,9 1.098	27,9 1.098	21,5 .846	24,99 .984	23,1 .909	.5624-25	M15 x 1-6h	3,89 .153	5,49 .216	22,5 .886
12/13	30,5 1.201	30,5 1.201	25,4 1	29,39 1.157	25,7 1.012	.6875-24	M18 x 1-6h	4,83 .19	8,33 .328	27,9 1.098
14/15	31,8 1.252	31,8 1.252	27,9 1.098	32,49 1.279	26,9 1.059	.8125-20	M22 x 1-6h	6,6 .26	11,61 .457	29,2 1.15
16/17	34,3 1.35	24,3 .957	31,8 1.252	35,71 1.406	29,5 1.161	.9375-20	M25 x 1-6h	7,19 .283	15,6 .614	33 1.299
18/19	40,6 1.598	40,6 1.598	35,6 1.402	38,5 1.516	35,8 1.409	1.0625-18	M28 x 1-6h	8,26 .325	16,1 .634	38,1 1.5
20/21	43,2 1.701	43,2 1.701	38,1 1.5	41,7 1.642	38,4 1.512	1.1875-18	M31 x 1-6h	8,71 .343	17,73 .698	40,6 1.598
22/23	47 1.85	47 1.85	41,9 1.65	44,91 1.768	42,2 1.661	1.3125-18	M34 x 1-6h	9,68 .381	20,9 .823	43,2 1.701
24/25	49,5 1.949	49,5 1.949	44,5 1.752	47,98 1.889	44,7 1.76	1.4375-18	M37 x 1-6h	10,62 .418	21,67 .853	45,7 1.799



Notes : (1) 10 to 18 variants (2) 37 to 45 variants

90° cable clamp

Shell size	A Max.		B Max.		C Max.		D		E		F Max.	G Max.
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	min	Max.		
08/09	30,5 1.201	35,1 1.382	19,1 .752	21,79 .858	25,7 1.012	29,5 1.161	see above		2,49 .098	5,94 .234	21,6 .85	25,4 1.000
10/11	30,5 1.201	35,1 1.382	21,5 .846	24,99 .984	25,7 1.012	29,5 1.161	see above		3,89 .153	5,49 .216	22,5 .886	27,9 1.098
12/13	35,6 1.402	37,1 1.461	25,4 1	29,39 1.157	30,7 1.209	31,5 1.240	see above		4,83 .19	8,33 .328	27,9 1.098	27,9 1.098
14/15	36,8 1.449	41,4 1.630	27,9 1.098	32,49 1.279	32,0 1.260	35,8 1.409	see above		6,6 .26	11,61 .457	29,2 1.15	31,8 1.252
16/17	40,6 1.598	45,7 1.799	31,8 1.252	35,71 1.406	35,8 1.409	40,1 1.579	see above		7,19 .283	15,6 .614	33,0 1.299	33,0 1.299
18/19	43,2 1.701	46,2 1.819	35,6 1.402	38,5 1.516	38,4 1.512	40,6 1.598	see above		8,26 .325	16,1 .634	38,1 1.500	38,1 1.500
20/21	47,0 1.850	48,3 1.902	38,1 1.5	41,7 1.642	42,2 1.661	42,7 1.681	see above		8,71 .343	17,73 .698	40,6 1.598	40,6 1.598
22/23	49,5 1.949	51,1 2.012	41,9 1.65	44,91 1.768	44,7 1.76	46,2 1.819	see above		9,68 .381	20,9 .823	43,2 1.701	44,5 1.752
24/25	53,3 2.098	54,6 2.150	44,5 1.752	47,98 1.889	48,5 1.909	49,0 1.929	see above		10,62 .418	21,67 .853	45,7 1.799	47,0 1.850



Notes : (1) 19 to 27 variants (2) 46 to 54 variants