Exactoscale Special Chairs

for Common Crossings, Obtuse Crossings, Switches and Slips

In addition to a wide range of running rail chairs, Exactoscale provide a comprehensive range of special chairs used with bullhead rail on track to REA designs - effectively the track used by the LMS, LNER, Southern and LPTB from about the 1920s onwards. BR (except the WR) also used these designs for bullhead track.

The special chairs come on eight different sprues, as follows

Common Crossings (2 sprues, chairs marked with crossing angle and chair position e.g. 7C, 10Y)). These sprues together provide sufficient mouldings for one each of five common crossing angles - 1 in 5, 6, 7, 8 and 10.

Switches (2 sprues, marked SWS and SWC). These two together provide sufficient mouldings for two switches, one left hand and one right hand. Each can be an A, B or C switch. The mouldings on these sprues are numbered from 1 to 38.

Obtuse Crossings (2 sprues, marked OCS and OCC). The use of these is set out in the attached table - they enable accurate obtuse crossing chairs to be fitted for crossing angles of 1 in 5, 6, 7 and 8.

Slips (2 sprues, marked SS and SC). These combine with the obtuse crossing chairs to provide accurate chair detail for 1 in 7 and 1 in 8 single and double slips. Again, refer to the attached table for the sprue requirements for a specific track formation.

The **Obtuse Crossing** and **Slip** chairs are numbered in one series from 1 to 69.

Full information on chair use is provided in the 'chair position' instruction sheets.

The chairs have been designed to fit track built to P4 standards, so some adjustments may be needed for 4mm scale track with different flangeways or gauge. The chairs fit code 75 bullhead rail spaced 0.5mm above the timber/sleeper top surface, the height given by all Exactoscale chairs (note - chairs from some other sources do not always provide this spacing). Some spacer pieces have limited depth as they are designed to go with the pre-assembled crossings and switch units used in the P4Track Co. kits, which use a 0.5mm etch under the rails to hold the assembly together. Certain chairs on the slip road of single and double slips require a 0.5mm plastic spacer strip under the chairs (this being part of the base moulding in the P4Track Co. slip kits).

All other chairs shown in the chair position drawings - S1, L1, M1, P, CC, CCL, CCR - are available in the Exactoscale range (check chairs for wider flangeways are under development).

In general, it is best to leave chairs on their sprue until the last possible moment before fitting them. Score the connection to the sprue before breaking chairs/chair components from the sprue. Functional chairs are usually best threaded on the rail before finally breaking them from the sprue.

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Part no.	Diamond or Slip Type									Sprue content			
	5	6	7	8	SS7	DS7	SS8	DS8		OCS	OCC	SS	SC
1	2									1			
2	2									1			
3		2								1			
4		2								1			
5				2			2	2		2		1	
6				2			2	2		2		1	
7			2		2	2				2		1	
8			2		2	2				2		2	
9	4	4								2			
10	4	4								2			
11			4	4	3	2	3	2		4		1	
12			4	4	3	2	3	2		4		1	
13							2	2			1		
14							2	2			1		
15		2	2								1		
16		2	2								1		
17	2	2		1							1		
18	2	2		1	1		1				1		
19	2	2		1							1		
20	2	2		1	1		1				1		
21	2										1		
22	2										1		
23	2										1		
24	2										1		
25		2	2	2	2	1	1	1			2		
26		2	2	2	1	1	2	1			1		
27					1	4		4			2		
28					1	4		4			2		
29			2	4	1	1	2	2			2		
30			2	4	1	1	3	2			2		
31			2	2	1	1	2	2			1		
32			2	2	1	1	3	2			2		
33			2								1		
34		2	2								1		
35		2	2								1		
36			2								1		
37							2	4				2	
38							2	4				2	
39							2	4				2	
40							2	4				2	
41					1	2	1	2				1	
42					1	2	1	2				1	
43					3	6	4	8				4	
44							1	2				1	
45					1	2						1	
46							1	2				1	
47							1	2				1	
48					1	2						1	
49					1	2						1	
50							1	2				1	
51					1	2						1	
52					1	2						1	
53							1	2				1	
54							1	2				1	
55							2	4					2
56							1	2					1
57					2	4							2
58					2	4							2
59					2	4	2	4					2
60					2	4	2	4					2
61					1	2	1	2					1
62					1	2	1	2					1
63					1	2	1	2					1
64					1	2	1	2					1
65					2	4	2	4					2
66					2	4	2	4					2
67					2	4	1	2					2
68					2	4							2
69							1	2					1
Totals:													
Parts -	28	32	32	36	51	82	66	104		24	30	32	24
Sprues -	4	4	3	3	4	6	5	6					

Sprues included in Kit									
	5	6	7	8	SS7	DS7	SS8	DS8	
OCS	2	2	1	1	1		1		
OCC	2	2	2	2	1	2	2	2	
SS					1	2	1	2	
SC					1	2	1	2	