

### PA05/06926

Manufacturer:

Issue: 5 **Direct Track Solutions** Valid From: 01/11/2024

**Point Operating Equipment (POE) Mechanical Components** 

#### **Product Description**

Mechanical components used as part of the Point Operating Equipment manufactured to appropriate BRS-SM drawings.

**Product Image** 



#### **Scope of Acceptance**

#### **Full Acceptance**

To cover the manufacture of specified mechanical components to appropriate BRS-SM drawings.

Scope includes historic regional drawings, where assessed, and pending update to BRS-SM format.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations. Reviewed by: Authorised by:

> Aamir Malik **Product Acceptance Coordinator**

Stephen Franklin Network Technical Head of Switches & Crossings



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#### **Specific Conditions**

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section. Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

#### Manufacturer

- The new DTS manufactured products will need to be differentiated from old Rowlescourt stock. 1)
- 2) First off quality inspection required for all new supplied components.
- 3) This PA is in accordance with the following concessions recorded in NR STE SC SP 011 - DTS Concessions.

#### User

Only use components in layouts depicted in BRS-SM Drawings or arrangements that have been approved for use by the Head of S&C (e.g. New Arrangements [RT60], Trial Sites, previously undocumented arrangements with Grandfather Rights).

#### **Product Configuration**

#### **Nuts and Bolts**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 201/3	FISHBOLT C/W HEXAGON NUT – GALVANISED	086/063192	
2.	BRS-SM 322/1	INSULATION KIT	088/023349	
3.	BRS-SM 322/3	INSULATION KIT	088/023348	
4.	BRS-SM 366	INSULATION KIT	086/063800	
5.	BRS-SM 326	BUSH FOR LOCK STRETCHER BAR - SELF COLOUR	086/076290	40
6.	BRS-SM 327/1	BOLT 3/4" BSW SQ HEAD - 4.1/4" x 3/4" - SELF COLOUR	086/076340	
7.	BRS-SM 327/2	BOLT 3/4" BSW SQ HEAD - 3.3/4" x 3/4" - SELF COLOUR	086/076335	
8.	BRS-SM 327/3	BOLT 3/4" BSW SQ HEAD - 3.1/4" x 3/4" - SELF COLOUR	086/076330	
9.	BRS-SM 335/1	CONCAVE WASHER 1" DIAMETER - MILD STEEL - EZP	086/063312	
10.	BRS-SM 335/2	CONVEX WASHER 1" DIAMETER - BRASS - EZP	086/063313	
11.	BRS-SM 335/3	CONCAVE WASHER 3/4" DIAMETER - MILD STEEL - EZP	086/063342	
12.	BRS-SM 335/4	CONVEX WASHER 3/4" DIAMETER - BRASS - EZP	086/063343	
13.	BRS-SM 344	SLEEVE NUT - 1.1/4" BSW MEDIUM THREAD 1.86" A/F	086/063902	1

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Item	Part No.	Description	Catalogue No.	Concession
14.	357/1	TYPE 1 HARDENED STEEL BUSH	088/001177	41
15.	BRS-SM 357/2	TYPE 2 HARDENED STEEL BUSH	088/001178	41
16.	BRS-SM 357/4	TYPE 4 HARDENED STEEL BUSH	088/001179	41
17.	BRS-SM 363/1	INSULATING PLATE FOR LOCK STRETCHER BAR	086/032183	42
18.	BRS-SM 363/2	INSULATING PLATE FOR RODDING JOINT	055/027020	
19.	BRS-SM 363/3	INSULATING WASHER 1.3/4" DIAMETER	086/032184	
20.	BRS-SM 363/4	INSULATING WASHER 2.5/8" DIAMETER	086/099179	
21.	BRS-SM 363/10	INSULATING BUSH 1.1/16" LENGTH	086/032182	
22.	BRS-SM 363/11	INSULATING BUSH 2.1/16" LENGTH	086/099180	
23.	BRS-SM 364/1	1" FLANGED FLEXIBLE INSULATING BUSH	086/099176	
24.	BRS-SM 364/2	3/4" FLANGED FLEXIBLE INSULATING BUSH	086/099175	
25.	BRS-SM 377	1.1/4" BSW THREADED SLEEVE - SELF COLOUR	086/063913	
26.	BRS-SM 378	1.1/4" BSW FLANGED NUT - SELF COLOUR	086/063912	2
27.	BRS-SM 405/2	TYPE 'A' HEADED PIN	086/011525	
28.	NUT 1.1/4"	1.1/4" BSW NUT - EZP - BAR TURNED	003/073657	Supply Only
29.	PHT 3/4"	3/4" PHILIDAS TURRET NUT - EZP PASSIVATED	003/078087	Supply Only
30.	PHT 1"	1" PHILIDAS TURRET NUT - EZP PASSIVATED	057/078225	Supply Only
31.	PHT M16	M16 PHILIDAS TURRET NUT - EZP PASSIVATED	003/180168	Supply Only
32.	PHT M20	M20 PHILIDAS TURRET NUT - EZP PASSIVATED	003/180169	Supply Only
33.	HARDLOC M20	M20 HARDLOC NUT - EZP	057/073717	Supply Only
34.	COACH 3/4 x 5"	3/4X5" COACHSCREW - GALVANISED	035/500019	Supply Only 43
35.	COACH 3/4 x 6"	3/4X6" COACHSCREW - GALVANISED	035/500013	Supply Only 43
36.	COACH 5/8 x 6"	5/8" X 6" COACHSCREW - GALVANISED	035/500012	Supply Only 43
37.	5/8 x 1.3/4" SET - BLACK	5/8" x 1 3/4" SET SCREW (SELF COLOUR) - USE WITH SM220/11	057/078226	Supply Only
38.	5/8" LOCK NUT - BLACK	5/8" BSW LOCK NUT (SELF COLOUR) - USE WITH SM220/11	057/078227	Supply Only
39.	1/8" GREASE NIPPLE	BSP 1/8" GREASE NIPPLE - EZP	057/078228	Supply Only
40.	5 x 40mm	SPLIT COTTER PIN 5 x 40mm ST.ST	057/078229	Supply Only 44
41.	6.3 x 80mm SPLIT COTTER	SPLIT COTTER PIN 6.3 x 80mm ST.ST	057/078230	Supply Only 45



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Item	Part No.	Description	Catalogue No.	Concession
42.	BOLT 3/4 x 4" BSW -	BOLT HEX HD 3/4 x 4" BSW - EZP	057/078231	Supply Only
43.	FRW 3/4" ID - EZP	FLAT ROUND WASHER 3/4" ID - EZP	057/078232	Supply Only
44.	FRW 3/4" ID BLACK	FLAT ROUND WASHER 3/4" ID - SELF COLOUR	057/078233	Supply Only
45.	FRW 1" ID BLACK	FLAT ROUND WASHER 1" ID - SELF COLOUR	057/078234	Supply Only
46.	M20x90 BOLT	GR 8.8 M20x90 BOLT - EZP	057/078235	Supply Only
47.	FRW M20 FORM A - EZP	FLAT ROUND WASHER M20 FORM A - EZP	057/078236	Supply Only
48.	FRW M16 FORM A - EZP	FLAT ROUND WASHER M16 FORM A - EZP	057/078237	Supply Only
49.	BOLT 3/4 x 3.1/4" BSW	SQ HEAD WITH 13/16" SHOULDER DIA, THREAD LENGTH 1.1/4"	057/023003	Supply Only
50.	SQ NUT 3/4" BSW	SQUARE NUT 3/4" BSW	057/078238	
51.	SPRW 3/4" SINGLE COIL	SINGLE COIL 3/4" SPRING WASHER	057/078239	

### **Channel Rodding and Fishplates**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 201/1	CHANNEL RODDING 18' LONG - GALVANISED	086/063000	46
2.	BRS-SM 201/2	CHANNEL RODDING 12" LONG - GALVANISED	086/063191	47
3.	BRS-SM 201/10	CHANNEL RODDING 18' LONG DOWNSET - GALVANISED	086/063001	48
4.	BRS-SM 221/1	1.1/4" SCREWED FISHPLATE - UPSET - 1.3/16"	086/063901	77
5.	BRS-SM 221/2	1.1/4" SCREWED FISHPLATE - STRAIGHT	086/063971	77
6.	BRS-SM 221/4	1.1/4" SCREWED FISHPLATE - UPSET 3"	086/063155	77
7.	BRS-SM 222/2	ORDINARY JAW TO FISHPLATE - STRAIGHT	086/063060	
8.	BRS-SM 222/3	ORDINARY JAW TO FISHPLATE - UPSET	086/063100	
9.	BRS-SM 222/4	ORDINARY JAW TO FISHPLATE - DOWNSET	086/063080	
10.	BRS-SM 223	ORDINARY JAW TO FISHPLATE - FOR VERTICAL CRANK	086/063160	
11.	BRS-SM 230/1	FISHPLATE END WITH FLANGE - VERTICAL	086/063071	
12.	BRS-SM 230/2	FISHPLATE END WITH FLANGE - HORIZONTAL	086/063503	
13.	BRS-SM 231/1	ORDINARY JAW WITH FLANGE - HORIZONTAL	057/078240	
14.	BRS-SM 231/2	ORDINARY JAW WITH FLANGE UPSET - VERTICAL	086/063091	
15.	BRS-SM 231/3	ORDINARY JAW WITH FLANGE - VERTICAL	086/063072	
16.	BRS-SM 232	1.1/4" SCREWED END WITH FLANGE	086/063504	46
17.	BRS-SM 235/1	CONNECTION, FISHPLATE END TO 3/4" BSW SCREWED END, STRAIGHT. 7" LONG	086/063361	77
18.	BRS-SM 235/3	FISHPLATE DOWNSET WITH SCREWED END	086/047607	77
19.	BRS-SM 236	DRIVE ROD JAW WITH FISHPLATE END - ASSEMBLY	086/063950	



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20.	BRS-SM 236/1	DRIVE ROD JAW WITH FISHPLATE END - ROD ONLY	086/063951	
21.	BRS-SM 237/1	DETECTOR ROD FISHPLATE - 1" SCREWED COMPLETE	086/063310	77
22.	BRS-SM 237/2	DETECTOR ROD FISHPLATE - 3/4" SCREWED INSULATED COMPLETE	086/063300	77
23.	BRS-SM 237/3	DETECTOR ROD FISHPLATE - 3/4" SCREWED COMPLETE	086/063360	77
24.	BRS-SM 252	1" SCREWED FISHPLATE END - INSULATED COMPLETE	086/063530	
25.	BRS-SM 2403	FISHPLATE DRIVE ROD ASSEMBLY	0086/033972	77

### **Connection and Drive Rods**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 227	CONNECTION, ORDINARY JAW END TO 1.1/4" BSW SCREWED END, SECOND & THIRD DRIVES CPTE	006/063145	
2.	BRS-SM 229/1	LONG JAW WITH FISHPLATE END - UPSET	086/063140	77
3.	BRS-SM 229/2	LONG JAW WITH FISHPLATE END - STRAIGHT	086/063120	77
4.	BRS-SM 233	COUPLING RODDING RUN LUG TO CRANK - VERTICAL ORDINARY JAW TO HOIRIZONTAL ORDINARY JAW	006/063180	
5.	BRS-SM 241/2	CONNECTION, FISHPLATE END TO JAW END, INSULATED, STRAIGHT	086/063070	
6.	BRS-SM 241/3	CONNECTION, FISHPLATE END TO JAW END, INSULATED, 3" UPSET	086/063110	
7.	BRS-SM 243	ROD CONNECTION, FISHPLATE END TO ADJUSTING JAW, 3" UPSET, 24" LONG, (CHANNEL ROD TO CRANK)	086/063600	
8.	BRS-SM 245/1	ROD CONNECTION, FISHPLATE END TO LONG JAW END, FOR ADJUSTING CRANK, INSULATED, STRAIGHT	086/063130	
9.	BRS-SM 245/2	ROD CONNECTION, FISHPLATE END TO LONG JAW END, FOR ADJUSTING CRANK, INSULATED, 3" UPSET	086/063150	
10.	BRS-SM 246	CONNECTION, FACING POINT LOCK PLUNGER DRIVE	086/063500	
11.	BRS-SM 248	ROD CONNECTION, FISHPLATE END TO VERTICAL JAW END - STRAIGHT, INSULATED	086/063170	
12.	BRS-SM 249	CONNECTION, (CHANNEL ROD TO CRANK), FOR SINGLE LEAD, LONG SWITCHES, POINT DRIVE BETWEEN STRETCHER BARS	086/063970	77
13.	BRS-SM 250	ROD CONNECTION, POINT DRIVE (CRANK TO STRETCHER BAR),	086/063965	
14.	253/1	CONNECTION, 1.1/4" BSW SCRD END TO JAW END. 29" LONG 3" UPSET	086/063961	77
15.	BRS-SM 253/2	CONNECTION, 1.1/4" BSW SCRD END TO JAW END. 45" LONG 3" UPSET	086/063966	77
16.	BRS-SM 253/3	CONNECTION, ADDITIONAL POINT DRIVE (STRETCHER BAR TO CRANK), FOR SINGLE LEAD, LONG SWITCHES WITH RAIL CLAMP POINT LOCK, LH	086/063975	77

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Item	Part No.	Description	Catalogue No.	Concession
		CONNECTION, ADDITIONAL POINT DRIVE		
17.	BRS-SM	(STRETCHER BAR TO CRANK), FOR SINGLE LEAD,	086/063980	77
17.	253/4	LONG SWITCHES WITH RAIL CLAMP POINT LOCK,	000/003900	/ /
		RH		
18.	BRS-SM	CONNECTION, FORKED, FOR ELECTRIC	086/063395	
10.	255/1	DETECTOR - COMPLETE	000/003393	
19.	BRS-SM	CONNECTION, FORKED, FOR ELECTRIC	006/062400	
19.	255/2	DETECTOR - COMPLETE	086/063400	
20	BRS-SM	CONNECTION, FORKED, FOR ELECTRIC	086/063397	
20.	255/3	DETECTOR - COMPLETE	066/063397	
24	BRS-SM	CONNECTION, FORKED, FOR ELECTRIC	000/00000	
21.	255/4	DETECTOR - COMPLETE	086/063399	
00	BRS-SM	CONNECTION, FORKED, FOR ELECTRIC	000/00000	
22.	255/5	DETECTOR - COMPLETE	086/063398	
	BRS-SM	CONNECTION, FORKED, FOR ELECTRIC	000/00000	
23.	255/6	DETECTOR - COMPLETE	086/063396	
0.4	BRS-SM	CONNECTION, FORKED, CHANNEL RODDING, 3/4"	000/000404	40.77
24.	256/1	SCREWED END, STRAIGHT 970MM LONG	086/063404	49,77
		ROD CONNECTION, FORKED, CHANNEL RODDING,		
25.	BRS-SM	3/4" BSW SCREWED END, STRAIGHT, 2000MM	086/063401	49,77
	256/2	LONG		- ,
	222 214	ROD CONNECTION, FORKED, CHANNEL RODDING,		
26.	BRS-SM	3/4" BSW SCREWED END, STRAIGHT, 1235MM	086/063402	49,77
_0.	256/3	LONG	000,000.02	.5,
	BRS-SM	CONNECTION, FORKED, CHANNEL RODDING, 3/4"		
27.	256/4	SCREWED END, STRAIGHT 2300MM LONG	086/063403	49,77
	BRS-SM	CONNECTION, FORKED, CHANNEL RODDING, 3/4"	222/22242	10
28.	256/5	SCREWED END, STRAIGHT 1135MM LONG	086/063405	49,77
	BRS-SM	CONNECTION, FORKED, CHANNEL RODDING, 3/4"	/	
29.	256/6	SCREWED END, STRAIGHT 1400MM LONG	086/063406	49,77
	BRS-SM	FOR ELECTRIC DETECTOR TO NEAR SWITCH OF	000/00000	
30.	257/1	MECHANICALLY OPERATED POINTS	086/063390	
	DDC CM	FOR ELECTRIC DETECTOR TO NEAR SWITCH OF	/	
31.	257/2	MECHANICALLY OPERATED POINTS	086/063370	
	BRS-SM	FOR ELECTRIC DETECTOR TO NEAR SWITCH OF	000/00000	
32.	257/3	MECHANICALLY OPERATED POINTS	086/063380	
	BRS-SM	FOR ELECTRIC DETECTOR TO NEAR SWITCH OF	000/00000	
33.	257/4	MECHANICALLY OPERATED POINTS	086/063392	
0.4	BRS-SM	FOR ELECTRIC DETECTOR TO NEAR SWITCH OF	000/000070	
34.	257/5	MECHANICALLY OPERATED POINTS	086/063372	
0.5	BRS-SM	FOR ELECTRIC DETECTOR TO NEAR SWITCH OF	000/00000	
35.	257/6	MECHANICALLY OPERATED POINTS	086/063382	
	BRS-SM	ROD CONNECTION, CHANNEL TO 3/4" BSW	000/000004	50.77
36.	258/1	SCREWED END, STRAIGHT. 930 LONG	086/063391	50,77
67	BRS-SM	ROD CONNECTION, CHANNEL TO 3/4" BSW	000/000074	F0.77
37.	258/2	SCREWED END, STRAIGHT. 1430 LONG	086/063371	50,77
00	BRS-SM	CONNECTION, CHANNEL TO 3/4" BSW SCREWED	000/00001	50.77
38.	258/3	END, STRAIGHT. 2170 LONG	086/063381	50,77
00	BRS-SM	ROD CHANNEL TO 3/4" BSW SCREWED END,	000/00000	F0.77
39.	258/4	STRAIGHT. 1195MM LONG	086/063393	50,77
	BRS-SM	ROD CONNECTION, CHANNEL TO 3/4" BSW	000/000070	50,77
40.		,	086/063373	60 7



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Item	Part No.	Description	Catalogue No.	Concession		
41.	BRS-SM 258/6	ROD CONNECTION, CHANNEL TO 3/4" BSW SCREWED END, STRAIGHT 2435 LONG.	086/063383	50,77		
42.	BRS-SM 341	CONNECTION, POINT DRIVE, FOR SINGLE LEAD & SINGLE SLIP - COMPLETE	086/063910			
43.	BRS-SM 341/1	CONNECTION, 1.1/4" BSW SCREWED END TO JAW END, 2" SIDESET. 37.1/2" LONG.	086/063911	77		
44.	BRS-SM 342	CONNECTION, POINT DRIVE, FOR DOUBLE SLIPS	086/063920	50,77		
45.	BRS-SM 342/1	CONNECTION, 1.1/4" BSW SCREWED END TO JAW END, 2" SIDESET, WITH 2" DOWNSET LUG. 37.1/2" LONG	086/063921	77		
46.	BRS-SM 343	CONNECTION, COUPLING BETWEEN POINT DRIVES	086/063930			
47.	BRS-SM 343/1	ROD CONNECTION, 1.1/4" BSW SCREWED END TO JAW END, 2" SIDESET, 2" UPSET. 109" LONG	086/063931	77		
48.	BRS-SM 2321/1	DRIVE, COMPLETE, FOR UIC POINT LAYOUTS FITTED WITH ELECTRIC POINT MACHINES, R.H	086/033996			
49.	BRS-SM 2328/1	DRIVE, R.H., FOR UIC POINT LAYOUTS FITTED WITH ELECTRIC POINT MACHINES	086/033952	77		
50.	BRS-SM 2321/2	DRIVE, COMPLETE, FOR UIC POINT LAYOUTS FITTED WITH ELECTRIC POINT MACHINES, L.H	086/033995			
51.	BRS-SM 2328/2	DRIVE, L.H., FOR UIC POINT LAYOUTS FITTED WITH ELECTRIC POINT MACHINES	086/033951	77		
52.	BRS-SM 2331/1	CONNECTION, JAW END TO 1.1/4" SCREWED END WITH 95 & 50MM L/H OFF-SET	086/063546			
53.	BRS-SM 2338/1	ROD CONNECTION, COMPLETE, L.H. OFFSET, SUPPLEMENTARY DRIVE,	086/033947	77		
54.	DDC CM	CONNECTION, JAW END TO 1.1/4" SCREWED END WITH 95 & 50MM R/H OFF-SET	086/063545			
55.	BRS-SM 2338/2	CONNECTION, COMPLETE, R.H. OFFSET, SUPPLEMENTARY DRIVE	086/033946	77		
56.	BRS-SM 2332	CONNECTON ROD, FOR 2ND & 3RD STRETCHER BAR TO CRANK	086/063547			
57.	DDC CM	CONNECTION ROD, SUPPLEMENTRY DRIVE, WITH OFFSET	086/033950	51		
58.	BRS-SM 2336/1	ASSEMBLY CONNECTION ROD, LH DRIVE, FOR FIRST STRETCHER BAR TO CRANK	086/033948			
59.	BRS-SM 2339/1	ROD CONNECTION, L.H. OFFSET, SUPPLEMENTARY DRIVE	086/033945	77		
60.	BRS-SM 2336/2	ASSEMBLY CONNECTION ROD, RH DRIVE, FOR FIRST STRETCHER BAR TO CRANK	086/033949			
61.	BRS-SM 2339/2	ROD CONNECTION, R.H. OFFSET, SUPPLEMENTARY DRIVE	086/033944	77		
62.	BRS-SM 2337	CONNECTION ROD ASSY, 2ND & 3RD RAIL STRETCHER BAR TO CRANK	057/078241			
63.	BRS-SM 2372/1	CONNECTION, R.H., COMPLETE, FOR FIRST STRETCHER BAR TO CRANK	086/033992			
64.	RDC_CM	CONNECTION ROD, WITH DOWNSET AND LH OFFSET	086/033919	77		
65.	BRS-SM 2372/2	CONNECTION, L.H., COMPLETE, FOR FIRST STRETCHER BAR TO CRANK	086/033991			
66.	BRS-SM 2374	CONNECTION, WITH DOWNSET AND RH OFFSET	086/033918	77		



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Item	Part No.	Description	Catalogue No.	Concession
67.	BRS-SM 2375	CONNECTION, COMPLETE, SUPPLEMENTARY DRIVE, FOR SECOND & THIRD STRETCHER BAR TO CRANK	086/033990	
68.	BRS-SM 2376	CONNECTION, WITH DOWN SET, JAW END TO 1.25INCH SCREWED END STRAIGHT WITH 87MM DOWNSET	086/033943	52
69.	BRS-SM 2472	CONNECTION ASSEMBLY, 67MM DOWNSET STRAIGHT COMPLETE	086/033205	
70.	BRS-SM 2466	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET, STRAIGHT	086/033200	55
71.	BRS-SM 2473	CONNECTION ASSEMBLY, 67MM DOWNSET 67 R.H. OFFSET COMPLETE	086/033206	
72.	BRS-SM 2467	CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 67MM R.H. OFF SET	086/033201	56
73.	BRS-SM 2474	CONNECTION ASSEMBLY, 67MM DOWNSET 67 L.H. OFFSET COMPLETE	086/033207	
74.	BRS-SM 2468	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 67MM L.H OFF SET	086/033202	57
75.	BRS-SM 2475	CONNECTION ASSEMBLY, 67MM DOWNSET 44 R.H. OFFSET COMPLETE	086/033208	
76.	BRS-SM 2469	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 44MM R.H. OFFSET	086/033203	58
77.	BRS-SM 2476	CONNECTION ASSEMBLY, 67MM DOWNSET 44 L.H. OFFSET COMPLETE	086/033209	
78.	BRS-SM 2470	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 44MM L.H. OFF SET	086/033204	59
79.	BRS-SM 2485	DRIVE COMPLETE, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	086/033745	
80.	BRS-SM 2486	DRIVE, ONLY, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS, 113A STOCK, UIC- 54B SWITCH RAIL	086/033746	60
81.	BRS-SM 3230	CONNECTION ROD, COMPLETE SUPPLEMENTARY DRIVE, FOR JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM R.H. OFFSET	086/010720	
82.	BRS-SM 3231	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM R.H. OFFSET	086/010721	53
83.	BRS-SM 3232	CONNECTION ROD, COMPLETE SUPPLEMENTARY DRIVE, FOR JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM L.H. OFFSET	086/010722	
84.	BRS-SM 3233	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM L.H. OFFSET	086/010723	54
85.	BRS-SM 695/1	CONNECTION ROD	086/032602	
86.	DTS-POE- 0039	RT60 CRANK CONNECTION ROD ASSEMBLY. BASED UPON BRS SM 2332 (30MM SLEEVE NUT)	0086/011309	
87.	DTS-POE- 0040	RT60 CRANK CONNECTION ROD ASSEMBLY. BASED UPON BRS SM 2332 (45MM SLEEVE NUT)	0086/011310	
88.	DTS-POE- 089	FORMERLY MD65224 INSULATED DRIVE ROD ASSY FOR WB&S EP	0057/072346	



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Manufacturer: Issue: 5

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Item	Part No.	Description	Catalogue No.	Concession
89.	BRS SM 8000 Sheet 2 of 3	Drive Rod Assembly for Cardiff West 9073 A/B Double Slip	0086/000181	

### **Crank Parts**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 205/1	BASE COMPENSATOR, HORIZONTAL, FOR POINT RODDING.	086/064101	
2.	BRS-SM 203/2	CRANK BRS-SM 203 ITEM 2 (ISSUE F). 12" X 12".	086/064300	
3.	BRS-SM 203/3	CRANK FACING POINT LOCK BAR. 12" X 16".	086/064340	
4.	BRS-SM 204/1	BASE LOW (base only)	086/064361	
5.	BRS-SM 204/2	BASE MEDIUM (base only)	086/064371	
6.	BRS-SM 204/3	BASE HIGH (base only)	086/064381	
7.	BRS-SM 205	HORIZONTAL, FOR POINT RODDING	086/064100	
8.	BRS-SM - 205/3	CRANK ACUTE, HORIZONTAL COMPENSATOR, FOR POINT RODDING. 6.1/2" X 12".	086/066103	
9.	BRS-SM 205/4	CRANK OBTUSE, HORIZONTAL COMPENSATOR, FOR POINT RODDING. 6.1/2" X 12".	086/066104	
10.	BRS-SM 211/2	HORIZONTAL, ACCOMODATING, ON LOW BASE, CPTE., FOR POINT RODDING. 12" X 12",	086/064200	
11.	BRS-SM 211/12	HORIZONTAL, ACCOMODATING, ON MEDIUM BASE, CPTE., FOR POINT RODDING. 12" X 12",	086/064210	
12.	BRS-SM 211/3	HORIZONTAL, RELIEF, ON LOW BASE, CPTE., FOR POINT RODDING. 12",	086/064220	
13.	BRS-SM 211/13	HORIZONTAL, RELIEF, ON MEDIUM BASE, CPTE., FOR POINT RODDING. 12",	086/064230	
14.	BRS-SM 211/4	CRANK HORIZONTAL, STRAIGHT ARM, ON LOW BASE, CPTE., FOR POINT RODDING. 12.1/2.2" X 12.1/2",	086/064240	
15.	BRS-SM 211/5	HORIZONTAL, ON LOW BASE, CPTE., FOR FACING POINT LOCK PLUNGER, FOR POINT RODDING. 12" X 16",	086/064250	
16.	BRS-SM 211/6	HORIZONTAL, ON LOW BASE, CPTE., FOR FACING POINT LOCK BAR, FOR POINT RODDING. 12" X 16",	086/064260	
17.	BRS-SM 211/8	HORIZONTAL, ADJUSTABLE, ON LOW BASE, CPTE., FOR POINT RODDING. 12" (ALSO DRILLED 10" & 6") X 15,	086/064270	
18.	BRS-SM 211/18	HORIZONTAL, ADJUSTABLE, ON SPECIAL BASE, CPTE, CONCRETE BEARERS	086/064280	
19.	BRS-SM 211/28	ADJUSTABLE, 12 X 15, ON BASE WITHOUT SLEEVE, FOR HORIZONTAL CRANKS FOR POINT RODDING	086/033897	
20.	BRS-SM 218/1	CRANK BASE LOW (COMPLETE)	086/064360	
21.	BRS-SM 218/2	CRANK BASE MEDIUM (COMPLETE)	086/064370	



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Item	Part No.	Description	Catalogue No.	Concession
22.	BRS-SM 219/1	PIN FOR HORIZONTAL CONPENSATOR, FOR POINT RODDING	086/064102	
23.	BRS-SM 220/3	CRANK ADJUSTABLE, 12" AND 10" ALSO 6" X 15", (WITHOUT SLEEVE),	086/064351	
24.	RCD-220/03	FABRICATED CRANK ADJUSTABLE, 12" AND 10" ALSO 6" X 15", (WITHOUT SLEEVE),	086/064351	
25.	BRS-SM 220/11	SLEEVE ADJUSTABLE	086/064352	
26.	RCD-220/11	FABRICATED SLEEVE ADJUSTABLE	086/064352	
27.	BRS-SM 2388	OFFSET CRANK ASSY ADJUSTABLE WITH BASE, WITHOUT SLEEVE, SUPPLEMENTARY DRIVE, FOR UIC 54B LAYOUTS ON CONCRETE	086/033917	
28.	BRS-SM 2389	OFFSET CRANK BASE WITH PIN	086/033939	78
29.	BRS-SM 2390	OFFSET CRANK BASE ONLY	086/033938	
30.	BRS-SM 2391	STUD CRANK BASE	086/033937	
31.	BRS-SM 2477	CENTRAL CRANK BASE ONLY	086/033210	
32.	BRS-SM 2478	CENTRAL CRANK BASE WITH PIN	086/033211	78
33.	BRS-SM 2479	CENTRAL CRANK ADJUSTABLE ASSEMBLY, ON BASE (0086/033211) WITHOUT SLEEVE	086/033212	

### **Detector and Lock Rods**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 337/1	ROD CONNECTION ASSY, (SHORT), FOR ELECTRIC DETECTOR, POWER OPERATED POINTS	086/063350	
2.	BRS-SM 337/2	ROD CONNECTION ASSY, (LONG), FOR ELECTRIC DETECTOR, POWER OPERATED POINTS	086/063340	
3.	BRS-SM 338/1	RAW ROD CONNECTION, STRAIGHT, SCREWED 3/4" BSW X 6.3/4" LONG AT ONE END, SCREWED 3/4" BSW X 1.1/2" LONG AT OTHER END. 1" DIA. X 31.1/2" LONG.	086/063351	62,77
4.	BRS-SM 338/2	RAW ROD CONNECTION, STRAIGHT, SCREWED 3/4" BSW X 6.3/4" LONG AT ONE END, SCREWED 3/4" BSW X 1.1/2" LONG AT OTHER END. 1" DIA X 80.1/2" LONG	086/063341	62,77
5.	BRS-SM 339	ROD CONNECTION ASSY, (LOCK) FACING POINT LOCK	086/063510	63,
6.	BRS-SM 339/1	RAW ROD CONNECTION, 1.1/4" DIA, STRAIGHT, SCREWED 1" BSW X 7" LONG AT BOTH ENDS. 59.1/2" LONG.	086/063511	77
7.	BRS-SM 340	CONNECTION ASSY, (LONG) FACING POINT LOCK, FURTHER PAIR OF SWITCHES ON DOUBLE SLIPS	086/063520	
8.	BRS-SM 340/1	RAW CONNECTION, SCREWED 1" BSW X 7.1/22 LONG AT BOTH ENDS, 2.1/4" OFFSET. 1.1/4" DIA X 133.1/2" LONG	086/063521	64,77

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ltem	Part No.	Description	Catalogue No.	Concession
	BRS-SM	DETECTOR, COMPLETE, FOR UIC 54B POINT	086/033958	
9.	2322/1	LAYOUTS WITH ELECTRIC POINT MACHINES	086/033958	
10.	BRS-SM	DETECTOR, COMPLETE, FOR UIC 54B POINT	086/033959	
10.	2322/2	LAYOUTS WITH ELECTRIC POINT MACHINES	000/033939	
11.	BRS-SM	ROD DETECTOR, FOR UIC.54B POINT LAYOUTS	086/063541	
	2322/3	FITTED WITH ELECTRIC POINT MACHINES	000/003341	
12.	BRS-SM	ROD DETECTOR, FOR UIC.54B POINT LAYOUTS	086/063540	
12.	2322/4	FITTED WITH ELECTRIC POINT MACHINES	000/000040	
	BRS-SM	RAW ROD DETECTOR, UIC54B SWITCH DIAMOND,		
13.	2323/1	FOR POINTS FITTED WITH ELECTRIC POINT	086/033957	65,77
		MACHINES		
4.4	BRS-SM	RAW ROD DETECTOR, UIC54B SWITCH DIAMOND,	000/000050	05.77
14.	2323/2	FOR POINTS FITTED WITH ELECTRIC POINT	086/033956	65,77
		MACHINES   RAW DETECTOR, UIC54B PLAIN LEAD SWITCH		
15.	BRS-SM	RAILS, FOR POINTS FITTED WITH ELECTRIC	086/033955	65,77
15.	2323/3	POINT MACHINES	000/033933	65,77
		RAW DETECTOR, UIC54B PLAIN LEAD SWITCH		
16.	BRS-SM	RAILS, FOR POINTS FITTED WITH ELECTRIC	086/033954	65,77
10.	2323/4	POINT MACHINES	000/033334	00,77
		ROD ROD DETECTOR, COMPLETE, POINT		
17.	BRS-SM	FITTINGS, FOR UIC 54B PLAIN LEADS,	086/033975	
	2395/1	MECH.LAYOUTS,		
	550 014	ROD ROD DETECTOR, COMPLETE, POINT		
18.	BRS-SM	FITTINGS, FOR UIC 54B PLAIN LEADS,	086/033974	
	2395/2	MECH.LAYOUTS,		
	BRS-SM	ROD ROD DETECTOR, COMPLETE, POINT		
19.	2395/3	FITTINGS, FOR UIC 54B PLAIN LEADS, SGE EP	086/033968	
	2090/0	M/C		
	BRS-SM	ROD ROD DETECTOR, COMPLETE, POINT		
20.	2395/4	FITTINGS, FOR UIC 54B PLAIN LEADS, SGE EP	086/033967	
		M/C		
04	BRS-SM	ROD DETECTOR, COMPLETE, POINT FITTINGS,	000/00004	
21.	2395/5	FOR UIC 54B PLAIN LEADS, MECH LAYOUT ** 3RD	086/033904	
		RAIL USE ONLY **,		
22	BRS-SM	ROD DETECTOR, COMPLETE, POINT FITTINGS, FOR UIC 54B PLAIN LEADS, MECH LAYOUT ** 3RD	086/033903	
22.	2395/6	RAIL USE ONLY **,	000/033903	
	BRS-SM	RAW ROD DETECTOR, POINT FITTINGS, FOR UIC		
23.	2396/1	54B PLAIN LEADS, MECH.LAYOUTS,	086/033933	66,77
	BRS-SM	RAW ROD DETECTOR, POINT FITTINGS, FOR UIC	/	
24.	2396/2	54B PLAIN LEADS, MECH.LAYOUTS,	086/033934	66,77
0.5	BRS-SM	RAW ROD DETECTOR, POINT FITTINGS, FOR UIC	000/00005	00.77
25.	2396/3	54B PLAIN LEADS, SGE EP M/C	086/033935	66,77
26	BRS-SM	RAW ROD DETECTOR, POINT FITTINGS, FOR UIC	086/033936	66.77
26.	2396/4	54B PLAIN LEADS, SGE EP M/C	000/033930	66,77
	BRS-SM	RAW ROD DETECTOR, POINT FITTINGS, FOR UIC		
27.	2396/5	54B PLAIN LEADS, MECH LAYOUT ** 3RD RAIL	086/033902	66,77
	2030/0	USE ONLY **,		
	BRS-SM	RAW ROD DETECTOR, POINT FITTINGS, FOR UIC		
28.	2396/6	54B PLAIN LEADS, MECH LAYOUT ** 3RD RAIL	086/033901	66,77
	_000,0	USE ONLY **,		



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Item	Part No.	Description	Catalogue No.	Concession
29.	BRS-SM 2487	ROD DETECTOR COMPLETE, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS, (LONG) LEFT HAND,	086/033747	
30.	BRS-SM 2488	RAW ROD DETECTOR ONLY, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS, (LONG) LEFT HAND,	086/033748	67
31.	BRS-SM 2492	ROD LOCK, ASSEMBLY, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	086/033752	
32.	BRS-SM 2493	RAW ROD LOCK, ONLY, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	086/033753	68
33.	BRS-SM 2494	ROD DETECTOR, ASSEMBLY, (SHORT), HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	086/033754	
34.	BRS-SM 2495	RAW ROD DETECTOR, (SHORT), HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	086/033755	69
35.	BRS-SM 2496	DETECTOR, ASSEMBLY, (LONG), RIGHT HAND, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS,	086/033756	
36.	BRS-SM 2497	RAW ROD DETECTOR, (LONG), RIGHT HAND, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS,	086/033757	70
37.	BRS SM 8000 Sheet 1 of 3	Lock Rod Assembly for Cardiff West 9073 A/B Double Slip	0086/000180	
38.	BRS SM 8000 Sheet 3 of 3	Detector Rod – Required Set Condition for Cardiff West 9073 A/B & 9072 C/D Double Slip	0086/000182	
39.	BRS-SM 2682	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, OFFSET, LONG (2055MM), FOR MOTOR CONTAINS ROD, NEOPRENE BUSHES, PLAIN WASHERS, CONCAVE/CONVEX WASHERS AND HARDLOCK NUTS	0086/030262	
40.	BRS-SM 2682	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, OFFSET, LONG (2310MM), FOR DETECTOR CONTAINS ROD, NEOPRENE BUSHES, PLAIN WASHERS, CONCAVE/CONVEX WASHERS AND HARDLOCK NUTS	0086/030263	
41.	BRS-SM 2682	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, STRAIGHT, SHORT (1060MM), FOR DETECTOR CONTAINS ROD, NEOPRENE BUSHES, PLAIN WASHERS, CONCAVE/CONVEX WASHERS AND HARDLOCK NUTS	0086/030264	
42.	BRS-SM 2682	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, STRAIGHT, LONG (2310MM), FOR DETECTOR CONTAINS ROD, NEOPRENE BUSHES, PLAIN WASHERS, CONCAVE/CONVEX WASHERS AND HARDLOCK NUTS	0086/030265	
43.	BRS-SM 2683	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, OFFSET, LONG (2055MM),	FOR MANUFACTURE ONLY	

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Item	Part No.	Description	Catalogue No.	Concession
44.	BRS-SM 2683	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, OFFSET, LONG (2310MM)	FOR MANUFACTURE ONLY	
45.	BRS-SM 2683	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, STRAIGHT, SHORT (1060MM)	FOR MANUFACTURE ONLY	
46.	BRS-SM 2683	DETECTOR ROD FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS, STRAIGHT, LONG (2310MM)	FOR MANUFACTURE ONLY	

#### **Plates**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 324/1	110 lbs FB ALIGNMENT PLATE	086/076160	
2.	BRS-SM 324/2	95 lbs BH ALIGNMENT PLATE	086/076150	
3.	BRS-SM 325/1	BH RAIL BOLT RETAINING PLATE	086/076250	
4.	BRS-SM 325/2	FB RAIL BOLT RETAINING PLATE	086/076260	
5.	BRS-SM 355	PACKING PIECE FOR MECHANICAL & ELECTRO- PNEUMATIC FACING POINTS.	086/063362	71
6.	BRS-SM 506/1	SHIM PACKING PIECE, LOCK & DETECTOR MECH ASSY. 0.6 THICK.	086/032141	72
7.	BRS-SM 506/2	SHIM PACKING PIECE, LOCK & DETECTOR MECH ASSY. 1.6 THICK.	086/032142	72
8.	BRS-SM 516/1	PACKING, LOCK & DETECTOR ARM ASSY, TYPE A. 1.6 THICK.	086/032215	73
9.	BRS-SM 516/2	PACKING, LOCK & DETECTOR ARM ASSY, TYPE A. 3 THICK	086/032216	73
10.	BRS-SM 2325	PACKING, LOCK STRETCHER BAR, FOR UIC 54B PLAIN LEADS	086/033896	74,78
11.	BRS SM 2343/1	MOUNTING PLATE, ELECTRIC DETECTOR, R.H., FOR UIC 54B SWITCHES ON CONCRETE, SUPPLEMENTARY DETECTION, COMPLETE	086/033988	5, 78
12.	BRS-SM 2343/2	MOUNTING PLATE, ELECTRIC DETECTOR, L.H., FOR UIC 54B SWITCHES ON CONCRETE, SUPPLEMENTARY DETECTION, COMPLETE	086/033987	6,78
13.	BRS-SM 2345	PACKING PIECE, FOR POINT ROD ROLLER	086/033899	7, 78
14.	BRS-SM 2347	PLATE ELECTRIC DETECTOR MOUNTING, RH, SUPPLEMENTRY DETECTION, FOR UIC 54B SWITCHES ON CONCRETE WITH 3RD RAIL	086/033824	8, 78
15.	2348	ELECTRIC DETECTOR MOUNTING, LH, SUPPLEMENTRY DETECTION, FOR UIC 54B SWITCHES ON CONCRETE WITH 3RD RAIL	086/033823	9, 78
16.	BRS-SM 2361	BASE PLATE, POINT IDENTIFICATION	086/033985	
17.	BRS-SM 2377	BASEPLATE PACKING, SUPPLEMENTARY DRIVE, FOR UIC 54B LAYOUTS ON CONCRETE	086/033984	10,78
18.	BRS-SM 2378	CRANK BASE MOUNTING PLATE, SHORT, COMPLETE	086/033983	11,78

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Item	Part No.	Description	Catalogue No.	Concession
19.	BRS-SM 2379	CRANK BASE MOUNTING PLATE, LONG, COMPLETE	086/033980	12,78
20.	BRS-SM 2382	POINT ROD ROLLER MOUNTING PLATE, SHORT, COMPLETE	086/033982	13,78
21.	BRS-SM 2383	POINT ROD ROLLER MOUNTING PLATE, LONG, COMPLETE	086/033979	14,78
22.	RCD000780	HW POINT MACHINE FIXING PLATE	057/078242	
23.	RCD000781	ADJUSTABLE SOLEPLATE	057/078243	
24.	RCD000782	HW POINT MACHINE EXTENDED SOLEPLATES	057/078244	
25.	RC0000785	INSULATION SET	057/078245	
26.	BRS -SM 260	PLATE MOUNTING, FOR BR & HJ ELECTRIC DETECTORS	086/084500	61,78
27.	BRS-SM 2685	PACKING PLATE SHORT, FOR USE WITH SINGLE & DOUBLE SLIPS ONLY 406MM X 220MM	0086/030267	
28.	BRS-SM 2685	PACKING PLATE COMMON, FOR USE WITH SINGLE & DOUBLE SLIPS ONLY 466MM X 220MM	0086/030268	
29.	BRS-SM 2685	PACKING PLATE SLIDE SHORT, FOR USE WITH SINGLE & DOUBLE SLIPS ONLY 518MM X 250MM	0086/030269	
30.	BRS-SM 2685	PACKING PLATE FOR USE WITH 56-SV7PB BASEPLATES ON SINGLE & DOUBLE SLIPS ONLY 920MM X 250MM	0086/030270	
31.	BRS-SM 2685	PACKING PLATE FOR USE WITH 56-SV7.5PB BASEPLATES ON SINGLE & DOUBLE SLIPS ONLY 913MM X 250MM	0086/030271	
32.	BRS-SM 2685	PACKING PLATE FOR USE WITH 56-SV8PB BASEPLATES ON SINGLE & DOUBLE SLIPS ONLY 898.5MM X 250MM	0086/030272	
33.	BRS-SM 2685	PACKING PLATE FOR USE WITH 56-SV10PB TYPE BASEPLATES ON SINGLE & DOUBLE SLIPS ONLY 907.5 X 250MM	0086/030273	

#### **Facing Point Lock Stretcher Bars**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 328	FACING POINT LOCK STRETCHER, PLAIN LEADS, WITH 113AFB/110AFB/95BH RAILS ON TIMBER BEARERS	086/076210	16,78
2.	BRS-SM 329	FACING POINT LOCK STRETCHER, PLAIN LEADS, WITH 113A/110AFB/95BH RAILS ON TIMBER BEARERS	086/076180	17,78
3.	BRS-SM 329/1	STRETCHER BAR LUG - USE WITH SM329 & SM2324	N/A	
4.	BRS-SM 330	LOCK STRETCHER, FOR LEFT HAND SLIPS,	086/076170	
5.	BRS-SM 331	LOCK STRETCHER, FOR RIGHT HAND SLIPS	086/076171	
6.	BRS-SM 332 H SHT1	LOCK STRETCHER BAR FOR SWITCH DIAMONDS,	086/076190	
7.	BRS-SM 332 H SHT 2	LOCK STRETCHER BAR FOR SWITCH DIAMONDS	086/076191	
8.	BRS-SM 346	LOCK STRETCHER FOR RIGHT HAND SLIPS	086/076201	
9.	BRS-SM 347	LOCK STRETCHER FOR LEFT HAND SLIPS	086/076200	
10.	BRS-SM 2324	BAR, LOCK STRETCHER, FOR UIC-54B PLAIN LEAD FITTED WITH ELECTRIC POINT MACHINE	086/063542	78



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	11.	BRS-SM 2324/1	BAR, LOCK STRETCHER, FOR UIC-54B PLAIN LEAD FITTED WITH ELECTRIC POINT MACHINE	N/A	18
	12.	BRS-SM 2397	F.P. LOCK STRETCHER FOR PLAIN LEADS, MECHANICAL OPERATED POINT LAYOUT, WITH 113A STOCK AND UIC54B SWITCH RAILS ON TIMBER BEARERS	086/033973	19,78
	13.	BRS-SM 2422	LOCK STRETCHER FOR PLAIN LEADS, SGE EP POINT MACHINE LAYOUT	086/033963	20,78
,	14.	BRS-SM 2491	LOCK STRETCHER FOR SWITCH DIAMONDS, CONVENTIONAL ELECTRIC POINT MACHINE LAYOUT	086/033751	16,78

### **Switch Extension Pieces**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 333/1	EXTENSION, FOR LH SWITCH OF LH SLIP OF SINGLE & DOUBLE SLIPS	086/075000	21,77
2.	BRS-SM 333/2	EXTENSION, FOR RH SWITCH OF PLAIN LEAD, ALSO FOR RH SWITCH OF RH SLIP OF SINGLE & DOUBLE SLIPS	086/075060	21,77
3.	BRS-SM 333/3	EXTENSION, FOR RH SWITCH OF RH SLIP OF SINGLE & DOUBLE SLIPS,	086/075040	21,77
4.	BRS-SM 333/4	EXTENSION, FOR LH SWITCH OF PLAIN LEAD, ALSO FOR LH SWITCH OF LH SLIP OF SINGLE & DOUBLE SLIPS	086/075020	21,77
5.	BRS-SM 333/5	EXTENSION, FOR LH SWITCH OF PLAIN LEAD, COMBINED POINT M/C	086/075070	21,77
6.	BRS-SM 333/6	EXTENSION, FOR RH SWITCH OF PLAIN LEAD, COMBINED POINT M/C	086/075075	21,77
7.	BRS-SM 334/1	EXTENSION, FOR LH SWITCH OF RH SLIP OF DOUBLE SLIPS	086/075030	22,77
8.	BRS-SM 334/4	EXTENSION, FOR RH SWITCH OF LH SLIP OF SINGLE & DOUBLE SLIPS,	086/075050	22,77
9.	BRS-SM 334/5	EXTENSION, FOR LH SWITCH OF RH SINGLE SLIP	086/075010	22,77
10.	BRS-SM 2326/1	SWITCH EXTENSION PIECE, LEFT HAND, ITEM 1	086/033998	78
11.	BRS-SM 2326/2	SWITCH EXTENSION PIECE, RIGHT HAND, ITEM 2	086/033999	78
12.	BRS-SM 2394/1	PIECES SWITCH EXTENSION, MECHANICAL POINT FITTINGS, FOR UIC 54B PLAIN LEADS, L.H	086/033977	23,78
13.	BRS-SM 2394/2	PIECES SWITCH EXTENSION, MECHANICAL POINT FITTINGS, FOR UIC 54B PLAIN LEADS, R.H.,	086/033976	23,78
14.	BRS-SM 2424/1	PIECES SWITCH EXTENSION, L.H., SGE EP POINT MACHINES,	086/033961	24,78
15.	BRS-SM 2424/2	PIECES SWITCH EXTENSION, R.H., SGE EP POINT MACHINES	086/033960	24,78
16.	BRS-SM 2489	PIECE SWITCH, LEFT HAND, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	086/033749	25,78
17.	BRS-SM 2490	PIECE SWITCH, RIGHT HAND, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	086/033750	26,78
18.	DDC CM	SWITCH EXTENSION, LEFT HAND, TRAIN OPERATED POINTS	086/075001	27



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Item	Part No.	Description	Catalogue No.	Concession
19.	BRS-SM 696/2	SWITCH EXTENSION, RIGHT HAND, TRAIN OPERATED POINTS.	086/075002	27

#### **Other Equipment**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 261	DETECTOR DRIVE BRACKET FOR LONG SWITCHES	086/075160	28, 77, 78
2.	BRS-SM 298	CHANNEL RODDING SUPPORT BRACKET - 3 WAY FOR FARSIDE SLIP	057/078246	
3.	BRS-SM 336 Rev D	LUG DRIVE, PERMANENT WAY STRETCHER BAR, POINT DRIVE	086/076521	29,
4.	BR-SM 336/1 REV.E	CONVENTIONAL MECHANICAL SUPPLEMENTARY DRIVE, DRIVE LUG ASSEMBLY	086/076530	29,78
5.	BR-SM 336/2 REV.E	DRIVE LUG STEEL KEEP PLATE FOR USE WITH 086/076530	086/076531	29,78
6.	BRS-SM 522	DRIVE LUG	086/032050	30, 77
7.	BRS-SM 2327	INSULATING JACKET FOR LOCK STRETCHER BAR	086/033986	
8.	BRS-SM 2334	DRIVE LUG, FOR ADJUSTABLE STRETCHER BAR, FITTED TO UIC-54B PLAIN LEADS	086/063543	31,78
9.	BRS-SM 2342	DETECTOR LUG, FOR ADJUSTABLE STRETCHER BARS, FITTED TO UIC 54B POINT LAYOUTS	086/063544	32,78
10.	BRS-SM 2351	SWITCH RAIL, "UIC-54B SWITCH DIAMONDS" ASSY	086/031499	
11.	BRS-SM 2351/1	BRACKET SWITCH RAIL BRS-SM 2351/1 - UIC-54B SWITCH DIAMONDS	086/031500	35,78
12.	BRS-SM 2351/2	BLOCK "UIC-54B SWITCH DIAMONDS".	086/031501	36,78
13.	BRS-SM 2351/3	ANGLE BLOCK "UIC-54B SWITCH DIAMONDS".	086/031502	
14.	BRS-SM 2351/4	BUSH "UIC-54B SWITCH DIAMONDS".	086/031503	
15.	BRS-SM 2351/5	LUG "UIC-54B SWITCH DIAMONDS".	086/031504	37,78
16.	BRS-SM 2351/6	BLOCK FOR 1 IN 10.1/2"-15", "UIC-54B SWITCH DIAMONDS".	086/031505	38, 78
17.	BRS-SM 2384	COMPLETE, POINT ROD ROLLER BRACKET, SUPPLEMENTARY DRIVE, FOR UIC 54B LAYOUTS ON CONCRETE	086/033981	
18.	BRS-SM 2385	SPINDLE POINT ROD ROLLER, SUPPLEMENTARY DRIVE	086/033942	
19.	BRS-SM 2386	CHANNEL POINT ROLLER, SUPPLEMENTARY DRIVE	086/033941	
20.	BRS-SM 2387	BRACKET POINT ROD MOUNTING, SUPPLEMENTARY DRIVE	086/033940	15,78
21.	BRS-SM 2387PP	POINT ROD ROLLER BRACKET PACKING PLATE - GALVANISED	057/078247	
22.	BRS-SM 2398/1	INSULATING, R.H., FOR F.P. LOCK STRETCHER BAR ON UIC 54B PLAIN LEADS	086/033932	
23.	BRS-SM 2398/2	INSULATING, L.H., FOR F.P. LOCK STRETCHER BAR ON UIC 54B PLAIN LEADS	086/033978	



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24.	BRS-SM 2480	DETECTOR DRIVE, FOR 113A LAYOUTS	086/033213	33, 77
25.	BRS-SM 2503	DRIVE LUG, EXTENDED, FOR 113A SWITCH LAYOUTS, MECHANICAL BACKDRIVE MOUNTED IN THE 4'	086/033214	34, 77
26.	BRS-SM 2509	NUT SPECIAL, ADJUSTABLE TIE BAR, RAIL CLAMP POINT LOCK	086/033794	
27.	BRS-SE 195	TELEPHONE SIGN, AUTOMATIC LEVEL CROSSING. (PUBLIC USE). (180 DEGREE VISIBILITY).	087/038018	
28.	BRS-SM 2079/1	INDICATOR, SUPPORT, FOR ROUTE OR JUNCTION INDICATORS OVER MULTI ASPECT SIGNALS, COMPLETE,	086/077186	
29.	BRS-SM 2079/3	INDICATOR, SUPPORT, FOR ROUTE OR JUNCTION INDICATORS OVER MULTI ASPECT SIGNALS, COMPLETE	086/077185	
30.	BRS-SM 65/10 (ISSUE E)	STUD INDICATOR SUPPORT, ADJUSTABLE MOUNTING PLATE (WELDED INTO PLATE), STEEL GALVD TO BS 729. M16 X 90. BS 3643	084/001188	
31.	BRS-SM 65/10 (ISSUE E)	INDICATOR MOUNTING, ADJUSTABLE, 4 ASPECT CLS, CPTE, COMPRISING:- 86/77191 PLATE, 86/77192 BOLT (3), 86/77193 BOLT, 86/77194 NUT, 3/175125 NUT, 3/191715 WASHER, 3/191621 WASHER (2), 3/195862 WASHER	086/077190	
32.	BRS SM 2078	SIGNAL SUPPORT TYPE "C", FOR COLOUR LIGHT SIGNALS,	086/049501	
33.	BRS-SM 2077	SIGNAL SUPPORT TYPE "D", FOR COLOUR LIGHT SIGNALS	086/049502	
34.	T230-7	ALTERNATIVE MOUNTING POST FOR LIDAR COD T230-7 SIGNAL PHONE POST Â; FOR MOUNTING LIDAR COD	089/039095	
35.	M96-260	SIDE ARM BARRIER GUARD, BRB MK II, FOR USE ON BARRIERS TO BR SPEC 843 UP TO 9.1 METRES BOOM LENGTH	086/997601	
36.	BRS-SM 2684	BRACKET ASSEMBLY FOR USE WITH ELECTRIC POINT MACHINES ON DOUBLE SLIPS ON CONCRETE, FOR LONG LOCK ROD ASSEMBLY	0086/030266	

#### **Front Drive Equipment**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 2320/1	HW & 63 ELECTRIC POINT MACHINES, R.H., FOR PLAIN LEADS ON TIMBER WITH 113A STOCK & UIC 54B S/RAIL,	086/033868	
2.	BRS-SM 2320/2	HW & 63 ELECTRIC POINT MACHINES, L.H., FOR PLAIN LEADS ON TIMBER WITH 113A STOCK & UIC 54B S/RAIL,	086/033818	
3.	BRS-SM 2360/1	HW & 63 ELECTRIC POINT MACHINES, FOR PLAIN LEADS ON CONCRETE WITH 113A STOCK & UIC 54B S/RAIL, RH MOUNTING,	086/033867	
4.	BRS-SM 2360/2	HW & 63 ELECTRIC POINT MACHINES, FOR PLAIN LEADS ON CONCRETE WITH 113A STOCK & UIC 54B S/RAIL, LH MOUNTING	086/033817	



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		MECHANICAL FACING POINT LOCK, GENERAL	
5.	BRS-SM	ARRANGMENT, FOR PLAIN LEADS ON TIMBER	086/033821
Э.	2392/1	WITH 113A AND UIC 54B SWITCH RAIL,	000/033021
		MECHANICAL FACING POINT LOCK, GENERAL	
6.	BRS-SM	ARRANGMENT, FOR PLAIN LEADS ON TIMBER	086/033822
0.	2392/2	WITH 113A AND UIC 54B SWITCH RAIL,	000/000022
_	BRS-SM	POINT MACHINE, FITTINGS, SGE 'EP'GENERAL	
7.	2393	ARRANGMENT FOR PLAIN LEADS	086/033870
0	BRS-SM	HW & 63 POINT MACHINE, MOUNTED R.H. SIDE,	000/00000
8.	2510	FULL DEPTH 113A PLAIN LEAD ON CONCRETE,	086/033268
9.	BRS-SM	HW & 63 POINT MACHINE, MOUNTED L.H. SIDE,	086/033269
9.	2511	FULL DEPTH 113A PLAIN LEAD ON CONCRETE,	060/033209
		FACING POINT, LEFT AND RIGHT HAND DRIVES,	
10.	BRS-SM 318	COMPRISING:- 86/063910, 86/063350, 86/076530,	086/033299
10.	BIG OW 010	86/075070, 86/063510, 86/063340, 86/075075,	000/000200
		86/076180, 88/023349,	
11.	BRS-SM 319	SINGLE & DOUBLE SLIP- LAYOUT RIGHT HAND	057/078248
		DRIVE	5577575275
12.	BRS-SM 320	SINGLE & DOUBLE SLIP- LAYOUT LEFT HAND	057/078249
		DRIVE	
13.	BRS-SM 321	SWITCH DIAMOND POINT LAYOUT - COMBINED EP	057/078250
		MACHINE CEN56 FULL DEPTH SINGLE SLIP ON CONCRETE	
		WITH ELECTRIC POINT MACHINES, POINT	
	BRS-SM	MACHINE MOUNTED ON THE LHS, POINT	
14.	2680	MACHINE, SUPPLEMENTARY DETECTOR,	0086/030276
	2000	PACKING PLATES AND INDEPENDENT LOCK	
		BLADES NOT INCLUDED	
		CEN56 FULL DEPTH DOUBLE SLIP ON CONCRETE	
		WITH ELECTRIC POINT MACHINES, POINT	
	BRS-SM	MACHINE MOUNTED ON THE LHS, POINT	
15.	2680	MACHINE, SUPPLEMENTARY DETECTOR,	0086/030277
		PACKING PLATES AND INDEPENDENT LOCK	
		BLADES NOT INCLUDED	
		CEN56 FULL DEPTH SINGLE SLIP ON CONCRETE	
		WITH ELECTRIC POINT MACHINES, POINT	
16.	BRS-SM	MACHINE MOUNTED ON THE RHS, POINT	0086/030274
10.	2681	MACHINE, SUPPLEMENTARY DETECTOR,	0080/030274
		PACKING PLATES AND INDEPENDENT LOCK	
		BLADES NOT INCLUDED	
		CEN56 FULL DEPTH DOUBLE SLIP ON CONCRETE	
	556 614	WITH ELECTRIC POINT MACHINES, POINT	
17.	BRS-SM	MACHINE MOUNTED ON THE RHS, POINT	0086/030275
	2681	MACHINE, SUPPLEMENTARY DETECTOR,	3333333
		PACKING PLATES AND INDEPENDENT LOCK	
		BLADES NOT INCLUDED	

#### **Supplementary Drive Kits**

Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 2330/1	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC 54B 'CVS' LAYOUT (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033895	

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Item	Part No.	Description	Catalogue No.	Concession
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
2.	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC	086/033894	
۷.	2330/2	54B 'DVS' LAYOUT, (EXCLUDING CHANNEL POINT	000/033094	
		RODDING), MACHINE MOUNTED IN RH SIDE		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC		
3.	2330/3	54B 'EVS' LAYOUT, (EXCLUDING CHANNEL POINT	086/033893	
	2000/0	RODDING), MACHINE MOUNTED ON RH SIDE		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC		
4.	2330/4	54B 'FVS' LAYOUT, (EXCLUDING CHANNEL POINT	086/033892	
	2330/4	RODDING), MACHINE MOUNTED ON RH SIDE		
	DDC CM	BACKDRIVE MECHANICAL, SUPPLEMENTARY		
5.	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC	086/033891	
	2330/5	54B 'SGVS' LAYOUT, (EXCLUDING CHANNEL POINT		
		RODDING), MACHINE MOUNTED ON LH SIDE		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
6.	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC	086/033890	
0.	2330/6	54B 'GVS' LAYOUT, (EXCLUDING CHANNEL POINT	000/033090	
		RODDING), MACHINE MOUNTED ON LH SIDE		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
7	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC	000/00000	
7.	2330/7	54B 'FV' LAYOUT (EXCLUDING CHANNEL POINT	086/033865	
		RODDING), MACHINE MOUNTED ON RH SIDE,		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC		
8.	2330/8	54B 'FV' LAYOUT (EXCLUDING CHANNEL POINT	086/033864	
	2000/0	RODDING), MACHINE MOUNTED ON LH SIDE,		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
	BRS-SM	DRIVE, MOUINTED IN 4 FOOT ON TIMBER, FOR UIC		
9.	2330/9	54B 'EVS' LAYOUT, (EXCLUDING CHANNEL POINT	086/033863	
	2330/9			
		RODDING), MACHINE MOUNTED ON LH SIDE,		
	DD0 014	BACKDRIVE MECHANICAL, SUPPLEMENTARY		
10.	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC	086/033862	
	2330/10	54B 'FVS' LAYOUT, (EXCLUDING CHANNEL POINT		
		RODDING), MOUNTED ON LH SIDE		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
11.	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC	086/033861	
11.	2330/11	54B 'SGVS' LAYOUT, (EXCLUDING CHANNEL POINT	330/00001	
		RODDING), MACHINE MOUNTED ON LH SIDE		
		BACKDRIVE MECHANICAL, SUPPLEMENTARY		
12.	BRS-SM	DRIVE, MOUNTED IN 4 FOOT ON TIMBER, FOR UIC	086/033860	
12.	2330/12	54B 'GVS' LAYOUT, (EXCLUDING CHANNEL POINT	000/033000	
		RODDING), MACHINE MOUNTED ON LH SIDE		
	DD0 614	SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT		
13.	BRS-SM	ON TIMBER, FOR UIC 54B 'CVS' LAYOUT, ONRH	086/033889	
.0.	2335/1	SIDE		
		SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT		
14.	BRS-SM	ON TIMBER, FOR UIC 54B DVS LAYOUT, ON RH	086/033888	
14.	2335/2	SIDE,	000/00000	
		,		
4.5	BRS-SM	SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT	000/00007	
15.	2335/3	ON TIMBER, FOR UIC 54B 'EVS' LAYOUT, ON RH	086/033887	
		SIDE		

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Item	Part No.	Description	Catalogue No.	Concession
16.	BRS-SM 2335/4	SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON TIMBER, FOR UIC 54B 'FVS' LAYOUT, ON RH SIDE,	086/033886	
17.	BRS-SM 2335/5	SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON TIMBER, FOR UIV 54B 'SGVS' LAYOUT, ON RH SIDE,	086/033885	
18.	BRS-SM 2335/6	SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON TIMBER, FOR UIC 54B 'GVS' LAYOUT, ON RH SIDE,	086/033884	
19.	BRS-SM 2335/7	MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON TIMBER, FOR UIC 54B 'CVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE	086/033859	
20.	BRS-SM 2335/8	MECHANICAL SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON TIMBER, FOR UIC 54B DVS LAYOUT, (EXCLUDING CHANNEL POINT RODDING)	086/033858	
21.	BRS-SM 2335/9	MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON TIMBER, FOR UIC 54B 'EVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033857	
22.	BRS-SM 2335/10	MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON TIMBER, FOR UIC 54B 'FVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033856	
23.	BRS-SM 2335/11	MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON TIMBER, FOR UIC 54B 'SGVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING)	086/033855	
24.	BRS-SM 2335/12	MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON TIMBER, FOR UIC 54B 'GVS' LAYOUT (EXCLUDING CHANNEL POINT RODDING),	086/033854	
25.	BRS-SM 2370/1	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON RH SIDE, ON CONCRETE, FOR UIC 54B 'CVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033883	
26.	BRS-SM 2370/2	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON RH SIDE, ON CONCRETE, FOR UIC 54B 'DVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033882	
27.	BRS-SM 2370/3	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON RH SIDE, ON CONCRETE, FOR UIC 54B 'EVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033881	
28.	BRS-SM 2370/4	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON RH SIDE, ON CONCRETE, FOR UIC 54B 'FVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033880	
29.	BRS-SM 2370/5	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON RH SIDE, ON CONCRETE, FOR UIC 54B 'SGVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033879	



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Item	Part No.	Description	Catalogue No.	Concession
30.	BRS-SM 2370/6	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON CONCRETE, FOR UIC 54B 'GVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033878	
31.	BRS-SM 2370/7	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON CONCRETE, FOR UIC 54B 'CVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING),	086/033853	
32.	BRS-SM 2370/8	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON LH SIDE, ON CONCRETE, FOR UIC 54B 'DVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING)	086/033852	
33.	BRS-SM 2370/9	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON CONCRETE, FOR UIC 54B 'EVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), POINT MACHINE & DETECTOR MOUNTED ON RH SIDE	086/033851	
34.	BRS-SM 2370/10	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON CONCRETE, FOR UIC 54B 'FVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), POINT MACHINE & DETECTOR MOUNTED ON RH SIDE	086/033850	
35.	BRS-SM 2370/11	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON CONCRETE, FOR UIC 54B 'SGVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), POINT MACHINE & DETECTOR MOUNTED ON RH SIDE	086/033849	
36.	BRS-SM 2370/12	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 6 FOOT ON CONCRETE, FOR UIC 54B 'GVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), POINT MACHINE & DETECTOR MOUNTED ON RH SIDE	086/033848	
37.	BRS-SM 2370/13	SUPPLEMENTARY DRIVE (BACKDRIVE), BVS , MOUNTED EXTERNAL TO 4 FOOT FITTED ON LEFT HAND SIDE	086/033765	75
38.	BRS-SM 2370/14	SUPPLEMENTARY DRIVE (BACKDRIVE), BVS , MOUNTED EXTERNAL TO 4 FOOT FITTED ON RIGHT HAND SIDE	086/033764	76
39.	BRS-SM 2371/1	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'CVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING) MACHINE MOUNTED ON RH SIDE	086/033877	
40.	BRS-SM 2371/2	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'DVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033876	
41.	BRS-SM 2371/3	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'EVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033875	

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Item	Part No.	Description	Catalogue No.	Concession
42.	BRS-SM 2371/4	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'FVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033874	
43.	BRS-SM 2371/5	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'SGVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE,	086/033873	
44.	BRS-SM 2371/6	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'GVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE,	086/033872	
45.	BRS-SM 2371/7	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'CVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING) MACHINE MOUNTED ON LH SIDE	086/033847	
46.	BRS-SM 2371/8	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'DVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MOUNTED ON LH SIDE,	086/033846	
47.	BRS-SM 2371/9	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'EVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE	086/033845	
48.	BRS-SM 2371/10	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON ON CONCRETE, FOR UIC 54B 'FVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE	086/033844	
49.	BRS-SM 2371/11	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'SGVS' LAYOUT, (EXCLUDING CHANNEL RODDING), MACHINE MOUNTED ON LH SIDE,	086/033843	
50.	BRS-SM 2371/12	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'GVS' LAYOUT, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE,	086/033842	
51.	BRS-SM 2371/13	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'EVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033841	
52.	BRS-SM 2371/14	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'FVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033840	



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53.	BRS-SM 2371/15	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'SGVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033839	
54.	BRS-SM 2371/16	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'GVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON RH SIDE	086/033838	
55.	BRS-SM 2371/17	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'EVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE	086/033837	
56.	BRS-SM 2371/18	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'FVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE,	086/033836	
57.	BRS-SM 2371/19	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'SGVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE,	086/033835	
58.	BRS-SM 2371/20	BACKDRIVE MECHANICAL, SUPPLEMENTARY DRIVE, MOUNTED IN 4 FOOT ON CONCRETE, FOR UIC 54B 'GVS' LAYOUT, WITH THIRD RAIL, (EXCLUDING CHANNEL POINT RODDING), MACHINE MOUNTED ON LH SIDE,	086/033834	
59.	BRS-SM 2371/21	SUPPLEMENTARY DRIVE (BACKDRIVE), BVS, MOUNTED IN 4 FOOT FROM RIGHT HAND SIDE	086/033762	
60.	BRS-SM 2371/22	SUPPLEMENTARY DRIVE (BACKDRIVE), BVS , MOUNTED IN 4 FOOT FROM LEFT HAND SIDE	086/033763	
61.	BRS-SM 2530	MECHANICAL, EXTERNAL TO 4' ON L.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, CV, (EXCLUDING CHANNEL POINT RODING),	086/033215	
62.	BRS-SM 2531	MECHANICAL, EXTERNAL TO 4' ON R.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, CV, (EXCLUDING CHANNEL POINT RODING),	086/033216	
63.	BRS-SM 2532	MECHANICAL, EXTERNAL TO 4' ON L.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, DV, (EXCLUDING CHANNEL POINT RODING),	086/033217	
64.	BRS-SM 2533	MECHANICAL, EXTERNAL TO 4' ON R.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, DV, (EXCLUDING CHANNEL POINT RODING),	086/033218	
65.	BRS-SM 2534	MECHANICAL, EXTERNAL TO 4' ON L.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, EV, (EXCLUDING CHANNEL POINT RODING),	086/033219	
66.	BRS-SM 2535	MECHANICAL, EXTERNAL TO 4' ON R.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, EV, (EXCLUDING CHANNEL POINT RODING),	086/033220	



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Item	Part No.	Description	Catalogue No.	Concession
67.	BRS-SM 2536	MECHANICAL, EXTERNAL TO 4' ON L.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, FV, (EXCLUDING CHANNEL POINT RODING),	086/033221	
68.	BRS-SM 2537	MECHANICAL BACKDRIVE, EXTERNAL TO 4' ON R.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, FV, (EXCLUDING CHANNEL POINT RODDING)	086/033222	
69.	BRS-SM 2538	BACKDRIVE MECHANICAL, EXTERNAL TO 4' ON L.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, SGV, (EXCLUDING CHANNEL POINT RODING),	086/033223	
70.	BRS-SM 2539	MECHANICAL, EXTERNAL TO 4' ON R.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, SGV, (EXCLUDING CHANNEL POINT RODING),	086/033224	
71.	BRS-SM 2540	BACKDRIVE MECHANICAL, EXTERNAL TO 4' ON L.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, GV, (EXCLUDING CHANNEL POINT RODING),	086/033225	
72.	BRS-SM 2541	BACKDRIVE MECHANICAL, EXTERNAL TO 4' ON R.H.S., FULL DEPTH LAYOUT CLAMP LOCK OPERATED, GV, (EXCLUDING CHANNEL POINT RODING),	086/033226	
73.	BRS-SM 2549/1	SUPPLEMENTARY DRIVE (BACKDRIVE), BV , MOUNTED IN 4 FOOT FROM RIGHT HAND SIDE	086/033766	
74.	BRS-SM 2549/2	SUPPLEMENTARY DRIVE (BACKDRIVE), BV , MOUNTED IN 4 FOOT FROM LEFT HAND SIDE	086/033767	
75.	BRS-SM 2550	MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT CV, POINT MACHINE MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING	086/033227	
76.	BRS-SM 2551	MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT CV, POINT MACHINE MOUNTED ON L.H.S., EXCLUDES CHANNEL POINT RODDING	086/033228	
77.	BRS-SM 2552	MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT DV, POINT MACHINE MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING,	086/033229	
78.	BRS-SM 2553	MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT DV, POINT MACHINE MOUNTED ON L.H.S., EXCLUDES CHANNEL POINT RODDING,	086/033230	
79.	BRS-SM 2554	MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT EV, POINT MACHINE MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING,	086/033231	
80.	BRS-SM 2555	MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT EV, POINT MACHINE MOUNTED ON L.H.S., EXCLUDES CHANNEL POINT RODDING	086/033232	
81.	BRS-SM 2556	BACKDRIVE MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING,	086/033233	
82.	BRS-SM 2557	BACKDRIVE MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON L.H.S., EXCLUDES CHANNEL POINT RODDING,	086/033234	



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BRS-SM   MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT SQV, POINT MACHINE MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING ON R.H.S., EXCLUDES CHANNEL POINT RODDING ON L.H.S., EXCLUDES CHANNEL POINT RODDING ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING, ON R.H.S., IN "3 RD RAIL AREAS ", EXCLUDES CHANNEL POINT RODDING, ON R.H.S., IN "3 RD RAIL AREAS ", EXCLUDES CHANNEL POINT RODDING, ON R.H.S., IN "3 RD RAIL AREAS ", EXCLUDES CHANNEL POINT RODDING, ON R.H.S., IN "3 RD RAIL AREAS ", EXCLUDES CHANNEL POINT RODDING, ON R.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON R.H.S., IN "3 RD RAIL AREAS ", EXCLUDES CHANNEL POINT RODDING, ON R.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON R.H.S., IN "3 RD RAIL AREAS ", EXCLUDES CHANNEL POINT RODDING, ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT SGV,	
BRS-SM   BRS-SM   BRS-SM   2561   BRS-SM   2561   BRS-SM   2561   BRS-SM   2560   BRS-SM   2561   BRS-SM   2560   BRS-SM   2561   BRS-SM   2560   BRS-SM   2561   BRS-SM   2562   BRS-SM   2563   BRS-SM   2564   BRS-SM   2564   BRS-SM   2565   BRS-SM   2564   BRS-SM   2565   BRS-SM   2565   BRS-SM   2564   BRS-SM   2564   BRS-SM   2565   BRS-SM   2564   BRS-SM   2564   BRS-SM   2565   BRS-SM   2564   BRS-SM   2565   BRS-SM   2565   BRS-SM   2566   BRS-SM   2567   BRS-SM   2	
BRS-SM   BRS-SM   DEPTH LAYOUT SGV, POINT MODINING   O86/033236   O86/033237   O86/033238   O86/033236   O8	
BRS-SM   BRS-SM   2559   DEPTH LAYOUT SGV, POINT MACHINE MOUNTED   O86/033236	
BRS-SM   BRS-SM   2559   DEPTH LAYOUT SGV, POINT MACHINE MOUNTED   O86/033236	
BRS-SM   BRS-SM   2562   DEPTH LAYOUT FV, POINT MACHINE   DEPTH LAYOUT GV, POINT MACHINE   DEPTH LAYOUT FV, POINT MACHINE   DEPTH LAYOUT GV, POINT MACHINE   DEPTH	
BRS-SM	
BRS-SM   2560	
85.   2560   MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING,   BACKDRIVE MECHANICAL, MOUNTED IN 4' ON   BACKDRIVE MECHANICAL, MOUNTED IN 4' ON   R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL MOUNTED IN 4' ON   M.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MCHANICAL MOUNTED IN 4' ON   M.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 4' ON   M.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 14' ON L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 14' ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 14' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 14' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 14' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 14' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 14' ON R.H.S., F	
RODDING,   BACKDRIVE MECHANICAL, MOUNTED IN 4' ON   R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE   2561   MOUNTED ON L.H.S., EXCLUDES CHANNEL POINT   RODDING,   MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL   DEPTH LAYOUT FV, POINT MACHINE MOUNTED   086/033258   086/033258   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033238   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033259   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033261   086/033261   086/033261   086/033261   086/033261   086/033261   086/033262   086/033262   086/033262   086/033262   086/033263   086/033263   086/033263   086/033263   086/033264   086/0	
BRS-SM	
Result	
86.   2561   MOUNTED ON L.H.S., EXCLUDES CHANNEL POINT RODDING,	
RODDING,   MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL   DEPTH LAYOUT FV, POINT MACHINE MOUNTED   O86/033259	
BRS-SM   DEPTH LAYOUT FV, POINT MACHINE MOUNTED   086/033259   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033260   086/033261   086/033261   086/033261   086/033261   086/033261   086/033261   086/033262   086/033262   086/033262   086/033262   086/033262   086/033263   086/033263   086/033263   086/033263   086/033263   086/033263   086/033263   086/033264   086/0	
BRS-SM   DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, BACKDRIVE MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, BACKDRIVE MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.	
87. 2562 ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  88. BRS-SM MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  89. BRS-SM CHANNEL POINT RODDING,  86/033262  86/033263	
Section   Channel Point Rodding   Mechanical, Mounted in 4' on R.H.S., Full Depth Layout FV, Point Machine Mounted   O86/033260   O86/033261   O86/033262   O86/033262   O86/033262   O86/033262   O86/033262   O86/033262   O86/033263   O86/033263   O86/033263   O86/033263   O86/033263   O86/033263   O86/033263   O86/033263   O86/033264   O86/03264   O86/	
BRS-SM   DEPTH LAYOUT FV, POINT MACHINE MOUNTED   086/033260	
BRS-SM   DEPTH LAYOUT FV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   BRS-SM   BRS-SM   L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   BACKDRIVE MECHANICAL, MOUNTED IN 4' ON EXCLUDES CHANNEL POINT RODDING,   BACKDRIVE MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,   MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON RAIL AREAS ***, EXCLUDES CHANNEL POINT RODDING ON RAIL AREAS ***, EXCLUDES C	
88. 2563 ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BACKDRIVE MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM BRS-SM R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING	
CHANNEL POINT RODDING,  BACKDRIVE MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM 2565  BRS-SM 2565  BRS-SM 2566  BRS-SM 2566  BRS-SM 2566  BRS-SM 2566  BRS-SM 2566  BRS-SM 2566  BRS-SM 2567  BRS-SM 2567  BRS-SM 2567  BRS-SM 2567  BRS-SM 2567  BRS-SM 2568  BRS-SM 2568  BRS-SM 2568  BRS-SM 2569  BR	
BRS-SM 2564  BRS-SM 2565  BRS-SM 2566  BRS-SM 2566  BRS-SM 2566  BRS-SM 2566  BRS-SM 2567  BRS-SM 2567  BRS-SM 2567  BRS-SM 2567  BRS-SM 2567  BRS-SM 2567  BRS-SM 2568  BRS-SM 2569  BRS-SM 2660  BRS-S	
89. BRS-SM 2564 L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM BRS-SM R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, MACHINE MOUNTED ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, CHANNEL POINT RODDING, MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING	
99. 2564 MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BACKDRIVE MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  91. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  92. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON RECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  93. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  94. BRS-SM SUIDDI EMENTARY DRIVE (BACKDRIVE) BV	
90. BRS-SM BRS-S	
90. BRS-SM R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY OPINE (BACKOPINE) BV	
90. BRS-SM R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY ORDIVE (RACKORIVE) RV	
90. 2565 MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING, MECHANICAL, MOUNTED IN 4' ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY DRIVE (RACKORIVE) BV	
91. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY OPINE (RACKOPINE) RV	
91. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  92. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  886/033264	
91. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY DRIVE (BACKDRIVE) RV	
91. 2566 ON R.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,  MECHANICAL, MOUNTED IN 4' ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY DRIVE (BACKDRIVE) RV	
92. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY DRIVE (BACKDRIVE) BV	
92. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY DRIVE (BACKDRIVE) BV	
92. BRS-SM DEPTH LAYOUT GV, POINT MACHINE MOUNTED ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  BRS-SM SUPPLEMENTARY DRIVE (BACKDRIVE) BV	
92. 2567 ON L.H.S., IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING  RPS_SM SUPPLEMENTARY DRIVE (BACKDRIVE) RV	
RDS_SM SUDDI EMENTADY DDIVE (BACKDDIVE) BV	
BRS-SM SUPPLEMENTARY DRIVE (BACKDRIVE) BV	
00   DIX OW   OU   LLWLWINK DIX V L DIX V L J, DV , 000/000770	
93. 2569 MOUNTED IN 4 FOOT FROM RIGHT HAND SIDE 086/033770	
BRS-SM MECHANICAL, MOUNTED IN 4', FULL DEPTH	
2570 CHANNEL POINT RODDING	
BDS SM MECHANICAL, MOUNTED IN 4', FULL DEPTH	
95. BRS-SM LAYOUT DV, CLAMP LOCK OPERATED, EXCLUDES 086/033240	
CHANNEL POINT RODDING,	
MECHANICAL, MOUNTED IN 4', FULL DEPTH	
96. BRS-SM LAYOUT EV, CLAMP LOCK OPERATED, EXCLUDES 086/033241	
CHANNEL POINT RODDING	
BDS SM MECHANICAL, MOUNTED IN 4', FULL DEPTH	
97 BRS-SW LAYOUT EV CLAMPLOCK OPERATED EXCLUDES 1086/033242	
2576 CHANNEL POINT RODDING	



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Item	Part No.	Description	Catalogue No.	Concession
98.	BRS-SM 2578	BACKDRIVE MECHANICAL, MOUNTED IN 4', FULL DEPTH LAYOUT SGV, CLAMP LOCK OPERATED, EXCLUDES CHANNEL POINT RODDING	086/033243	
99.	BRS-SM 2580	MECHANICAL, MOUNTED IN 4', FULL DEPTH LAYOUT GV, CLAMP LOCK OPERATED, EXCLUDES CHANNEL POINT RODDING,	086/033244	
100	BRS-SM 2582	BACKDRIVE MECHANICAL, MOUNTED IN 4', FULL DEPTH LAYOUT FV, CLAMP LOCK OPERATED, IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING,	086/033265	
101	BRS-SM 2584	MECHANICAL, MOUNTED IN 4', FULL DEPTH LAYOUT SGV, CLAMP LOCK OPERATED, IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING	086/033266	
102	BRS-SM 2586	BACKDRIVE MECHANICAL, MOUNTED IN 4', FULL DEPTH LAYOUT GV, CLAMP LOCK OPERATED, IN ** 3RD RAIL AREAS **, EXCLUDES CHANNEL POINT RODDING	086/033267	
103	BRS-SM 2590	MECHANICAL BACKDRIVE, EXTERNAL TO 4', ON L.H.S., FULL DEPTH LAYOUT CV, POINT MACHINE MOUNTED ON R.H.S., EXCLUDES CHANNEL POINT RODDING	086/033245	
104	BRS-SM 2591	MECHANICAL, EXTERNAL TO 4', ON R.H.S., FULL DEPTH LAYOUT CV, POINT MACHINE MOUNTED MOUNTD ON L.H.S., EXCLUDES CHANNEL POINT RODDING	086/033246	
105	BRS-SM 2592	MECHANICAL, EXTERNAL TO 4', ON L.H.S., FULL DEPTH LAYOUT DV, POINT MACHINE MOUNTED MOUNTD ON R.H.S., EXCLUDES CHANNEL POINT RODDING	086/033247	
106	BRS-SM 2593	MECHANICAL, EXTERNAL TO 4', ON R.H.S., FULL DEPTH LAYOUT DV, POINT MACHINE MOUNTED MOUNTD ON L.H.S., EXCLUDES CHANNEL POINT RODDING	086/033248	
107	BRS-SM 2594	MECHANICAL, EXTERNAL TO 4', ON L.H.S., FULL DEPTH LAYOUT EV, POINT MACHINE MOUNTED MOUNTD ON R.H.S., EXCLUDES CHANNEL POINT RODDING	086/033249	
108	BRS-SM 2595	MECHANICAL, EXTERNAL TO 4', ON R.H.S., FULL DEPTH LAYOUT EV, POINT MACHINE MOUNTED MOUNTD ON L.H.S., EXCLUDES CHANNEL POINT RODDING	086/033250	
109	BRS-SM 2596	MECHANICAL, EXTERNAL TO 4', ON L.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED MOUNTD ON R.H.S., EXCLUDES CHANNEL POINT RODDING	086/033251	
110	BRS-SM 2597	BACKDRIVE MECHANICAL, EXTERNAL TO 4', ON R.H.S., FULL DEPTH LAYOUT FV, POINT MACHINE MOUNTED MOUNTD ON L.H.S., EXCLUDES CHANNEL POINT RODDING	086/033252	



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Item	Part No.	Description	Catalogue No.	Concession
111	BRS-SM 2598	MECHANICAL, EXTERNAL TO 4', ON L.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED MOUNTD ON R.H.S., EXCLUDES CHANNEL POINT RODDING	086/033253	
112	BRS-SM 2599	MECHANICAL, EXTERNAL TO 4', ON R.H.S., FULL DEPTH LAYOUT SGV, POINT MACHINE MOUNTED MOUNTD ON L.H.S., EXCLUDES CHANNEL POINT RODDING	086/033254	
113	BRS-SM 2600	BACKDRIVE MECHANICAL, EXTERNAL TO 4', ON L.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED MOUNTD ON R.H.S., EXCLUDES CHANNEL POINT RODDING,	086/033255	
114	BRS-SM 2601	BACKDRIVE MECHANICAL, EXTERNAL TO 4', ON R.H.S., FULL DEPTH LAYOUT GV, POINT MACHINE MOUNTED MOUNTD ON L.H.S., EXCLUDES CHANNEL POINT RODDING,	086/033256	
115	BRS-SM 3293/1	EVS DOUBLE DRIVE, MOUNTED IN 4FT, LHS, CONCRETE, CLAMP LOCK	086/033774	
116	3293/2	EVS DOUBLE DRIVE, MOUNTED IN 4FT, RHS, CONCRETE, CLAMP LOCK	086/033775	
117	BRS-SM 3294/1	EVS DOUBLE DRIVE, MOUNTED IN 4FT, LHS, CONCRETE, POINTS MACHINE	086/033776	
118	BRS-SM 3294/2	EVS DOUBLE DRIVE, MOUNTED IN 4FT, RHS, CONCRETE, POINTS MACHINE	086/033777	



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#### **Supplementary Drive Kits**

14	David No.	Description	Ostala mus Na	0
Item	Part No.	Description	Catalogue No.	Concession
1.	BRS-SM 2340/1	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON TIMBER, FOR SWITCH MOVMENT 95-120.	086/033994	
2.	BRS-SM 2340/2	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON TIMBER, FOR SWITCH MOVMENT 70-100	086/033993	
3.	BRS-SM 2340/3	SUPPLEMENTARY, SWITCH, FOR UIC 54B SWITCHES ON TIMBER, FOR SWITCH MOVMENT 50-80	086/033989	
4.	BRS-SM 2340/4	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON TIMBER, FOR SWITCH MOVMENT 95-120	086/033833	
5.	BRS-SM 2340/5	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON TIMBER, FOR SWITCH MOVMENT 70-100	086/033832	
6.	BRS-SM 2340/6	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON TIMBER, FOR SWITCH MOVMENT 50-80	086/033831	
7.	BRS-SM 2341/1	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE	086/033910	3
8.	BRS-SM 2341/2	, , , , , , , , , , , , , , , , , , ,		4
9.	BRS-SM 2341/3	M SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC		
10.	BRS-SM 2341/4	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE	086/033907	
11.	BRS-SM 2341/5	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE	086/033906	
12.	BRS-SM 2341/6	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE	086/033905	
13.	BRS-SM 2346/1	SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE,	086/033830	
14.	RDC_CM	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE - 3RD RAIL ONLY	086/033829	
15.	RDQ_QM	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE - 3RD RAIL ONLY	086/033828	
16.	BRS-SM 2346/4	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE - 3RD RAIL ONLY	086/033827	
17.	RDQ_QM	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE - 3RD RAIL ONLY	086/033826	
18.	BRS-SM	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE - 3RD RAIL ONLY	086/033825	
19.	BRS-SM 2505	SUPPLEMENTARY, SWITCH, COMPLETE, FOR UIC 54B SWITCHES ON CONCRETE - 3RD RAIL ONLY	086/033257	
20.	BRS-SM 2506	BRS-SM SUPPLEMENTRY DETECTION RH ASSEMBLY FOR		
21.	BRS-SM 2507	SUPPLEMENTRY DETECTION LH ASSEMBLY FOR 113A SWITCHES, SWITCH MOVEMENT 50-80MM	086/033270	
22.	DDC CM	DETECTION SUPPLEMENTRY, R.H., SWITCH MOVEMENT 50-80MM	086/033271	



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Item	Part No.	Description	Catalogue No.	Concession
23.	BRS-SE 64/10	SUPPLEMENTRY DETECTION LH ASSEMBLY FOR 113A SWITCHES, SWITCH MOVEMENT 50-80MM,	086/030180	
24.	BRS-SE 63/10	SLIDE BOTTOM, REF M64-1	086/030185	
25.	BRS-SE 50/19	SLIDE TOP, REF M63-1	086/030190	
26.	BRS-SE 50/5	FILLER	086/063195	
27.	DETECTOR POINT, 3 SLIDE CPTE, MK 5A SWING NOSE CROSSING MECHANISM BR 998 SEPT.1973 (AMENDMENT AUG.1974)		086/030210	
28.	BRS-SE 64/2	SLIDE ASSY., F.P. LOCK	086/030220	
29.	BRS-SE 63/2	SLIDE BOTTOM, REF M64-2	086/030225	
30.	BRS-SE 64/4	SLIDE TOP, REF M63-2	086/030251	
31.	BRS-SE 63/4	POINT DETECTOR, BOTTOM, FOR USE WITH BRS-SE 50/6.	086/030256	

#### **Soleplates**

Item	Part No.	Description	Catalogue No.	Concession
1.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 7, LEFT HAND	0086/030278	
2.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 7.5, LEFT HAND	0086/030279	
3.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 8, LEFT HAND	0086/030280	
4.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 10, LEFT HAND	0086/030281	
5.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 7, RIGHT HAND	0086/030282	
6.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 7.5, RIGHT HAND	0086/030283	
7.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 8, RIGHT HAND	0086/030284	
8.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) DOUBLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR & 998 ELECTRIC POINT DETECTOR 1 IN 10, RIGHT HAND	0086/030285	



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Item	Part No.	Description	Catalogue No.	Concession
9.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 7, LEFT HAND	0086/030286	
10.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 7.5, LEFT HAND	0086/030287	
11.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 8, LEFT HAND	0086/030288	
12.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 10, LEFT HAND	0086/030289	
13.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 7, RIGHT HAND	0086/030290	
14.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 7.5, RIGHT HAND	0086/030291	
15.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 8, RIGHT HAND	0086/030292	
16.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 1ST BEARER FOR HW POINT MOTOR 1 IN 10, RIGHT HAND	0086/030293	
17.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 7, LEFT HAND	0086/030294	
18.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 7.5, LEFT HAND	0086/030295	
19.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 8, LEFT HAND	0086/030296	
20.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 10, LEFT HAND	0086/030297	
21.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 7, RIGHT HAND	0086/030298	
22.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 7.5, RIGHT HAND	0086/030299	
23.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 8, RIGHT HAND	0086/030300	
24.	RE/PW/1899	SOLEPLATE NR56V (SHALLOW DEPTH) SINGLE SLIP ON CONCRETE, SOLEPLATE ON 2ND BEARER 1 IN 10, RIGHT HAND	0086/030301	



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#### Concessions

#### <u>Nuts</u>

Item	BRS SM Drawing	Title	Drawing Issue	Concession
1	344	Sleeve Nut for Drive Rod	BS970 EN3A - EQUIVALENT 080A15 - 1.86 HEX BAR AVAILABLE IN THIS WITH Pb - so use round bar and mill a/f on	use EN8 080M40 1.86 AF HEX BAR
2	378	1.1/4" BSW FLANGED NUT - SELF COLOUR		BAR TURNED 1.1/4" STEEL NUT USED FOR IMPROVED FIT

#### **Mounting Plates**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
3	2341/1	MOUNTING PLATE, ELECTRIC DETECTOR, R.H., FOR UIC 54B SWITCHES ON CONCRETE, SUPPLEMENTARY DETECTION, COMPLETE	OBSOLETE/SUPERCEDED -	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm



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Item	BRS SM Drawing	Title	Drawing Issue	Concession
4	2341/2	MOUNTING PLATE, ELECTRIC DETECTOR, L.H., FOR UIC 54B SWITCHES ON CONCRETE, SUPPLEMENTARY DETECTION, COMPLETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
5	2343/1	MOUNTING PLATE, ELECTRIC DETECTOR, R.H., FOR UIC 54B SWITCHES ON CONCRETE, SUPPLEMENTARY DETECTION, COMPLETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
6	2343/2	MOUNTING PLATE, ELECTRIC DETECTOR, L.H., FOR UIC 54B SWITCHES ON CONCRETE, SUPPLEMENTARY DETECTION, COMPLETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
7	2345	PACKING PIECE, FOR POINT ROD ROLLER	MATERIAL IS 070M20 or 43C	USE S275JR
8	2347	PLATE ELECTRIC DETECTOR MOUNTING, RH, SUPPLEMENTRY DETECTION, FOR UIC 54B SWITCHES ON CONCRETE WITH 3RD RAIL	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
9	2348	ELECTRIC DETECTOR MOUNTING, LH, SUPPLEMENTRY DETECTION, FOR UIC 54B SWITCHES ON CONCRETE WITH 3RD RAIL	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm



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Item	BRS SM Drawing	Title	Drawing Issue	Concession
10	2377	BASEPLATE PACKING, SUPPLEMENTARY DRIVE, FOR UIC 54B LAYOUTS ON CONCRETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
11	2378	CRANK BASE MOUNTING PLATE, SHORT, COMPLETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
12	2379	CRANK BASE MOUNTING PLATE, LONG, COMPLETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
13	2382	POINT ROD ROLLER MOUNTING PLATE, SHORT, COMPLETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
14	2383	POINT ROD ROLLER MOUNTING PLATE, LONG, COMPLETE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm
15	2387	BRACKET POINT ROD MOUNTING SUPPLEMENTARY DRIVE	MATERIAL IS BS4360 Grade 43C - OBSOLETE/SUPERCEDED – 0.2mm HOLE TOLERANCE	USE S275JR. INCREASE HOLE TOLERANCE TO 0.5mm

#### **Lock Stretcher Bars**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
16	328	FACING POINT LOCK STRETCHER, PLAIN LEADS, WITH 113AFB/110AFB/95BH RAILS ON TIMBER BEARERS	MATERIAL THICKNESS IS 15mm (+1.0 / - NIL)	TOLERANCE IS OUTSIDE NORMAL ROLLING RANGE OF (+1.0 / -0.6)
17	329	FACING POINT LOCK STRETCHER, PLAIN LEADS, WITH 113A/110AFB/95BH RAILS ON TIMBER BEARERS	MATERIAL THICKNESS IS 15mm (+1.0 / - NIL)	TOLERANCE IS OUTSIDE NORMAL ROLLING RANGE OF (+1.0 / -0.6)
18	2324/1	BAR, LOCK STRETCHER, FOR UIC-54B PLAIN LEAD FITTED WITH ELECTRIC POINT MACHINE	MATERIAL THICKNESS IS 15mm (+1.0 / - NIL)	TOLERANCE IS OUTSIDE NORMAL ROLLING RANGE OF (+1.0 / -0.6)



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19	2397	F.P. LOCK STRETCHER FOR PLAIN LEADS, MECHANICAL OPERATED POINT LAYOUT, WITH 113A STOCK AND UIC54B SWITCH RAILS ON TIMBER BEARERS	MATERIAL THICKNESS IS 15mm (+1.0 / - NIL)	TOLERANCE IS OUTSIDE NORMAL ROLLING RANGE OF (+1.0 / -0.6)
20	2422	LOCK STRETCHER FOR PLAIN LEADS, SGE EP POINT MACHINE LAYOUT	MATERIAL THICKNESS IS 15mm (+1.0 / - NIL)	TOLERANCE IS OUTSIDE NORMAL ROLLING RANGE OF (+1.0 / -0.6)

### **Switch Extension Pieces**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
21	333 / 1 to 6	EXTENSION, FOR LH SWITCH OF LH SLIP OF SINGLE & DOUBLE SLIPS	MATERIAL IS 080A22 (EN3) - OBSOLETE / SUPERCEDED	USE S355JO/J2 AS PER BRS- SM 2326
22	334 / 1, 4 & 5	EXTENSION, FOR LH SWITCH OF RH SLIP OF DOUBLE SLIPS	MATERIAL IS 080A22 (EN3) - OBSOLETE / SUPERCEDED	USE S355JO/J2 AS PER BRS- SM 2326
23	2394/ 1&2	PIECES SWITCH EXTENSION, MECHANICAL POINT FITTINGS, FOR UIC 54B PLAIN LEADS, L.H	MATERIAL IS 070M20 & BEND TOLERANCE IS +0.3 / - NILL	USE S355JO/J2 AS PER BRS- SM 2326 & BEND TOLERANCE TO BE +3.0 / -NILL
24	2492 / 1&2	PIECES SWITCH EXTENSION, L.H., SGE EP POINT MACHINES,	MATERIAL IS 070M20 & BEND TOLERANCE IS +0.3 / - NILL	USE S355JO/J2 AS PER BRS- SM 2326 & BEND TOLERANCE TO BE +3.0 / -NILL
25	2489	PIECE SWITCH, LEFT HAND, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	MATERIAL IS 'GRADE 43'	USE S355JO/J2 AS PER BRS- SM 2326
26	2490	PIECE SWITCH, RIGHT HAND, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	MATERIAL IS 'GRADE 43'	USE S355JO/J2 AS PER BRS- SM 2326
27	696 1&2	SWITCH EXTENSION, LEFT & RIGHT HAND, TRAIN OPERATED POINTS	MATERIAL IS 'GRADE 43'	USE S355JO/J2 AS PER BRS- SM 2326



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#### **Drive Lugs**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
28	261	DETECTOR DRIVE BRACKET FOR LONG SWITCHES	MATERIAL IS 'GRADE 43'	USE S275JR STEEL
29	336 1&2	CONVENTIONAL MECHANICAL SUPPLEMENTARY DRIVE, DRIVE LUG ASSEMBLY	MATERIAL S275JO IS BECOMING LESS READILY AVAILABLE	USE S355JO or J2
30	522	DRIVE LUG	MATERIAL IS 43A - OBSOLETE/SUPERCEDED	USE S275JR STEEL
31	2334	DRIVE LUG, FOR ADJUSTABLE STRETCHER BAR, FITTED TO UIC-54B PLAIN LEADS	MATERIAL IS 070M20 & SKT CAP HD NOT AVAILABLE IN 8.8	USE S355JO/J2 & SKT CAP HD TO BE 12.9
32	2342	DETECTOR LUG, FOR ADJUSTABLE STRETCHER BARS, FITTED TO UIC 54B POINT LAYOUTS	MATERIAL IS 070M20 & SKT CAP HD NOT AVAILABLE IN 8.8	USE S355JO/J2 & SKT CAP HD TO BE 12.9
33	2480	DETECTOR DRIVE, FOR 113A LAYOUTS	MATERIAL IS 43A - OBSOLETE/SUPERCEDED	USE S275JR STEEL
34	2503	DRIVE LUG, EXTENDED, FOR 113A SWITCH LAYOUTS, MECHANICAL BACKDRIVE MOUNTED IN THE 4'	MATERIAL IS 43A - OBSOLETE/SUPERCEDED	USE S275JR STEEL

#### **Switch Rail Bracket for Point Machine Switch Diamonds**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
35	2351/1	BRACKET SWITCH RAIL BRS-SM 2351/1 - UIC-54B SWITCH DIAMONDS	MATERIAL IS 43C - OBSOLETE/SUPERCEDED	USE S355JO/J2 AS AN ALTERNATIVE
36	2351/2	BLOCK "UIC-54B SWITCH DIAMONDS".	MATERIAL IS 43C - OBSOLETE/SUPERCEDED	USE S355JO/J2 AS AN ALTERNATIVE
37	2351/5	LUG "UIC-54B SWITCH DIAMONDS".	MATERIAL IS 070M20	USE S355JO/J2 AS AN ALTERNATIVE
38	2351/6	BLOCK FOR 1 IN 10.1/2"-15", "UIC-54B SWITCH DIAMONDS".	MATERIAL IS 43A - OBSOLETE/SUPERCEDED	USE S275JR AS AN ALTERNATIVE

#### Please note there has been no concession recorded against 39



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#### **Bushes**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
40	326	BUSH FOR LOCK STRETCHER BAR – SELF COLOUR	240M07 (EN1B) STEEL - OBSOLETE	USE OF 070M20 AS AN EQUIVALENT MATERIAL
41	357 1, 2 & 4	HARDENED STEEL BUSHES	HARDNESS SPEC REQUIRED	USE OF 070M20 AS AN EQUIVALENT MATERIAL

#### **Insulations**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
42	363	INSULATING PLATE FOR LOCK STRETCHER BAR	S.R.B FABRIC TYPE F3 DISCONTINUED	NOW MANUFACTURED IN PHENOLIC COTTON B12

#### **Others**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
43	COACH 3/4 x 5" COACH 3/4 x 6" COACH 5/8 x 6"	3/4X5" COACHSCREW - GALVANISED 3/4X6" COACHSCREW - GALVANISED 5/8" X 6" COACHSCREW - GALVANISED	IMPERIAL SIZE - REQUIRE SPECIAL MANUFACTURE	USE METRIC - OFF THE SHELF
44		SPLIT COTTER PIN 5 x 40mm ST.ST	METRIC SIZE	SPLIT COTTER PINS SOLD AS IMPERIAL - 3/16" x 1.1/2"
45		6.3 x 80mm SPLIT COTTER	METRIC SIZE	SPLIT COTTER PINS SOLD AS IMPERIAL - 3/16" x 1.1/2"

#### **Channel Rodding**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
46	201/1	CHANNEL RODDING 18' LONG - GALVANISED	NOT AVAILABLE AS NEW	USE RECLAIMED or REWORKED
47	201/2	CHANNEL RODDING 12" LONG - GALVANISED	NOT AVAILABLE AS NEW	USE RECLAIMED or REWORKED
48	201/10	CHANNEL RODDING 18' LONG DOWNSET - GALVANISED	NOT AVAILABLE AS NEW	USE RECLAIMED or REWORKED



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### **Supplementary Detector Connections**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
49	256/ 1 to 6	CONNECTION, FORKED, CHANNEL RODDING, 3/4" SCREWED END, STRAIGHT 970MM LONG	MATERIAL IS 43A - OBSOLETE/SUPERCEDED	USE S275JR STEEL
50	258/ 1 to 6	ROD CONNECTION, CHANNEL TO 3/4" BSW SCREWED END, STRAIGHT	MATERIAL IS 43A - OBSOLETE/SUPERCEDED	USE S275JR STEEL

#### **Connections Rods**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
51	2332/1	CONNECTION ROD, SUPPLEMENTRY DRIVE, WITH OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
52	2376	CONNECTION, WITH DOWN SET, JAW END TO 1.25INCH SCREWED END STRAIGHT WITH 87MM DOWNSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
53	3231	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM R.H. OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
54	3233	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM L.H. OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
55	2466	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET, STRAIGHT	FINISH TO BE GALVANISED	RAW, TO BE PAINTED WITH TRANSIT PAINT.



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	BRS SM				
Item	Drawing	Title	Drawing Issue	Concession	
51	2332/1	CONNECTION ROD, SUPPLEMENTRY DRIVE, WITH OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.	
52	2376	CONNECTION, WITH DOWN SET, JAW END TO 1.25INCH SCREWED END STRAIGHT WITH 87MM DOWNSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.	
53	3231	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM R.H. OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.	
54	3233	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM L.H. OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.	
56	2467	CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 67MM R.H. OFF SET	FINISH TO BE GALVANISED	RAW, TO BE PAINTED WITH TRANSIT PAINT.	
57	2468	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 67MM L.H OFF SET	FINISH TO BE GALVANISED	RAW, TO BE PAINTED WITH TRANSIT PAINT.	
58	2469	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 44MM R.H. OFFSET	FINISH TO BE GALVANISED	RAW, TO BE PAINTED WITH TRANSIT PAINT.	
59	2470	ROD CONNECTION, JAW END TO 1.1/4" SCREWED END 67MM DOWNSET AND 44MM L.H. OFF SET	FINISH TO BE GALVANISED	RAW, TO BE PAINTED WITH TRANSIT PAINT.	



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Item	BRS SM Drawing	Title	Drawing Issue	Concession
51	2332/1	CONNECTION ROD, SUPPLEMENTRY DRIVE, WITH OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
52	2376	CONNECTION, WITH DOWN SET, JAW END TO 1.25INCH SCREWED END STRAIGHT WITH 87MM DOWNSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
53	3231	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM R.H. OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
54	3233	CONNECTION, FOR SUPPLEMENTARY DRIVE, JAW END TO 1.25 INCH SCREWED END 67MM DOWNSET AND 67MM L.H. OFFSET	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.
60	2486	DRIVE, ONLY, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS, 113A STOCK, UIC-54B SWITCH RAIL	FINISH TO BE EZP	RAW, TO BE PAINTED WITH TRANSIT PAINT.

#### **Detector and Lock Rods**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
61	260	PLATE MOUNTING, FOR BR & HJ ELECTRIC DETECTORS	MATERIAL IS 43A - OBSOLETE/SUPERCEDED,	USE S275JR & EZP FINISH
62	338/ 1 & 2	RAW ROD CONNECTION, STRAIGHT, SCREWED 3/4" BSW X 6.3/4" LONG AT ONE END, SCREWED 3/4" BSW X 1.1/2"	MATERIAL IS 070M20	Use S275JR



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63	339/1	RAW ROD CONNECTION, 1.1/4" DIA, STRAIGHT, SCREWED 1" BSW X 7" LONG AT BOTH ENDS. 59.1/2" LONG.	MATERIAL IS 070M20	Use S275JR
64	340/1	RAW CONNECTION, SCREWED 1" BSW X 7.1/22 LONG AT BOTH ENDS, 2.1/4" OFFSET. 1.1/4" DIA X 133.1/2" LONG	MATERIAL IS 070M20	Use S275JR
65	2323/ 1 to 4	DETECTOR RODS	MATERIAL IS 070M20	Use S275JR
66	2396/ 1 to 6	RAW ROD DETECTOR, POINT FITTINGS, FOR UIC 54B PLAIN LEADS, MECH.LAYOUTS	MATERIAL IS 070M20	Use S275JR
67	2488	RAW ROD DETECTOR ONLY, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS, (LONG) LEFT HAND,	MATERIAL IS 070M20	Use S275JR REMOVE EZP FINISH
68	2493	RAW ROD LOCK, ONLY, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	MATERIAL IS 070M20	Use S275JR REMOVE EZP FINISH
69	2495	RAW ROD DETECTOR, (SHORT), HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS	MATERIAL IS 070M20	Use S275JR REMOVE EZP FINISH
70	2497	RAW ROD DETECTOR, (LONG), RIGHT HAND, HW & 63 ELECTRIC POINT MACHINES, SWITCH DIAMONDS,	MATERIAL IS 070M20	Use S275JR REMOVE EZP FINISH

#### **Shim and Packing Pieces**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
71	355	PACKING PIECE FOR MECHANICAL & ELECTRO- PNEUMATIC FACING POINTS	MATERIAL IS 220M07 or 070M20 & HOT DIP GALV	USE GALVANISED SHEET BSEN10327:2004
72	506/ 1&2	SHIM PACKING PIECE, LOCK & DETECTOR MECH ASSY. 0.6 THICK.	MATERIAL IS BS1449 CR4 GP	USE GALVANISED SHEET BSEN10327:2004

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73	516/ 1&2	PACKING, LOCK & DETECTOR ARM ASSY, TYPE A. 1.6 THICK.	MATERIAL IS BS1449 CR4 GP	USE GALVANISED SHEET BSEN10327:2004
74	2325	PACKING, LOCK STRETCHER BAR, FOR UIC 54B PLAIN LEADS	MATERIAL IS BS1449 CR4 GP	USE S275JR AS ALTERNATE MATERIAL & REMOVE EZP FINISH

### **General Assembly Drawings**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
75	2370/13	SUPPLEMENTARY DRIVE (BACKDRIVE), BVS , MOUNTED EXTERNAL TO 4 FOOT FITTED ON LEFT HAND SIDE	SCHEDULE REQUESTS 3 x BRS-SM 2334, BUT LAYOUT SHOWS 1	CORRECT DRAWING
76	2370/14	SUPPLEMENTARY DRIVE (BACKDRIVE), BVS , MOUNTED EXTERNAL TO 4 FOOT FITTED ON RIGHT HAND SIDE	SCHEDULE REQUESTS 3 x BRS-SM 2334, BUT LAYOUT SHOWS 1	CORRECT DRAWING

#### **Finishes**

Item	BRS SM Drawing	Title	Drawing Issue	Concession
77	221/1, 221/2, 221/4, 229/1, 229/2, 235/1, 235/3, 237/1, 237/2, 237/3, , 249, 253/1, 253/2, 253/3, 253/4, 256/1, 256/2, 256/3, 256/4, 256/5, 256/6, 258/1, 258/2, 258/3, 258/4, 258/5, 258/6, 2323/1,2323/2, 2323/3, 2323/4,2328/1, 2328/2, 2338/1,2338/2, 2339/1,2339/2, 2373,2374, 2396/5,2396/6, 2480, 2503 261, 333/1,333/2,333/3,333/4, 333/5,333/6, 334/1,334/4,334/5, 338/1, 338/2, 339/1,340/1, 341/1, 342/1, 343/1, 522,		THE FINISH SPECIFIED IS EITHER RAW OR IS NOT DETAILED	Finish to be : CV BRUSHING PRIMER - SIGNAL BLUE - MINIMUM COATING 25 MICRON



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Item	BRS SM Drawing	Title	Drawing Issue	Concession
77	221/1, 221/2, 221/4, 229/1, 229/2, 235/1, 235/3, 237/1, 237/2, 237/3, , 249, 253/1, 253/2, 253/3, 253/4, 256/1, 256/2, 256/3, 256/4, 256/5, 256/6, 258/1, 258/2, 258/3, 258/4, 258/5, 258/6, 2323/1,2323/2, 2323/3, 2323/4,2328/1, 2328/2, 2339/1,2339/2, 2373,2374, 2396/1, 2396/2, 2396/3,2396/4, 2396/5,2396/6, 2480, 2503 261, 333/1,333/2,333/3,333/4, 333/5,333/6, 334/1,334/4,334/5, 338/1, 338/2, 339/1,340/1, 341/1, 342/1, 343/1, 522,		THE FINISH SPECIFIED IS EITHER RAW OR IS NOT DETAILED	Finish to be : CV BRUSHING PRIMER - SIGNAL BLUE - MINIMUM COATING 25 MICRON
78	2324, 2325, 2326/1, 2326/2, 2334, 2342, 2343/1, 2343/2, 2345, 2347, 2348, 2351/1, 2351/2, 2351/5, 2351/6, 2377, 2378, 2379, 2382, 2383, 2387 2389, 2394 /1, 2394/2, 2397, 2422, 2424/1, 2424/2, 2478, 2489,2490, 328, 329, 336/1 336/2,		OLD ZINC SPECIFICATIONS	NEW FINISH ISO 2081: Fe/Zn12/A

#### **Assessed Documentation**

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
PA05_06926_ Productconfiguration	DTS products for manufacture	V1	25/01/18	T1
NR/STE/SC/SP/011	Direct Track Solutions Concessions to BRS SM Drawings	1	04/10/18	1
581 JAW FRICTION WELD	Friction Weld process approval	1	15/06/12	1
BRS-SM 363 - Attwater Equivalent B12 & T12S	Engineering Specification and Grades		September 2015	1

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Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
DTS191914	Full procedure for manufacturing Con drive rods	v1		1
SIGNAL BLUE SURFACE COATING DATASHEET	Paint data sheet – Manor Coating Systems	6	21/11/2012	1
NR_STE_SC_SP_011 - DTS Concessions	Concessions to BRS SM Drawings	1	04/10/2018	1
DTS-POE-0089	DTS Drawing and supporting documentation	0	20-02-2019	2
-	APPENDIX A - 8.5.2 MANUFACTURING PROCESS FMEA - BRS-SM 2682_BRS-SM 340	-	20/09/2024	5
-	APPENDIX B - 8.5.2 MANUFACTURING PROCESS FMEA - BRS-SM 2684	ı	19/09/2024	5
-	APPENDIX C - 8.5.4 DTS CALIBRATION REGISTER EXTRACT	V10	27/09/2024	5
-	APPENDIX D - Works Order WO-00103209	-	-	5
-	APPENDIX E - Works Order PO-00051756	-	-	5
DTS191906 GOODS IN FORM	APPENDIX F - Goods Received Notes	3	08/06/2021	5
Quality Manual	APPENDIX G - QP21 INSPECTION & TEST PLANS	36	25/08/2024	5
Quality Manual	APPENDIX H - QP24 POE_POLECAT INPECTION SAMPLING	36	25/08/2024	5
-	APPENDIX I - 8.8.2. DRACAS	-	-	5
DTS-BRS-SM 2680_2681-8.5.1	DTS-BRS-SM 2680_2681-00- NR_L2_RSE_0005 DfR 26_09_2024	-	-	5
Email	RE_WESTBURY PROJECT	-	-	5



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Manufacturer:

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#### **Certificate History**

Issue	Date	Issue History		
T1	19/02/2018	First accepted for trial acceptance as a manufacturing trial.		
1	23/10/2018	First full acceptance following trial.		
2	13/12/2018	2 additional rods added to certificate: DTS-POE-0039 and DTS-POE-0040.		
3	30/04/2019	Insulated Rod for WB&S EP added (Former MD series drawing).		
4	28/01/2020	BRS SM 8000 – Sheets 1, 2 and 3 – Cardiff West 9073 A/B double slip connection rods added. Associated with PA05/07224. Plus covering a duplicate for FVS UIC B 54 corrected now for UIC B 54 GVS.		
5	01/11/2024	Approval for the manufacture and supply of BRS-SM 2680, 2681, 2682, 2683, 2684 and 2685 to support the installation of HW Full-Depth Double Slips on Concrete.		

#### **Contact Details**

#### **Manufacturer**

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#### **Lead Reviewing Engineer**

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Manufacturer:

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#### **General Terms & Conditions**

#### 1) General

1) This certificate can only be amended by Network Rail Product Acceptance, the relevant Network Technical Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.

2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.

3) If this is a Trial Certificate which includes a Trial Monitoring Period or Trial Expiry date, evidence should be submitted to meet the included trial criteria before the date has passed for the Lead Reviewing Engineer to assess if the product can be given Full Acceptance. If this cannot be achieved, the Product Acceptance team should be contacted via prodacc@networkrail.co.uk to seek guidance. If this is a Full Certificate and includes a review date, the Product Acceptance team should be contacted via prodacc@networkrail.co.uk to seek guidance.

#### 2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Network Rail Design for Reliability Standard (DFR) NR-L2-RSE-0005 and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance in writing (email prodacc@networkrail.co.uk):
- a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
- b. Of any intended change to the accepted product; changes include:
- i. a change to the product configuration (to the actual product or its application);
- ii. a variation to or addition of manufacturing locations or processes;
- iii. a change in the name or ownership of the manufacturing company;
- iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Product Acceptance or National Supply Chain (NSC) at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to Network Rail Product Acceptance.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement, where the specification and/or Product Acceptance Certificates specify quality assurance classifications for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

#### 3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Product Acceptance.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Product Acceptance.
- 4) Inform Network Rail Product Acceptance in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.



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#### 4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

- 1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsoring applicant shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations
- 2) As required in Railway Group Standard RIS-8270-RST, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:
- a. All rail vehicle types that have access rights over the area affected by the change
- b. Infrastructure managed by others
- c. Neighbours.

Railway Interoperability Regulations

- 3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.
- 4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail and Road) is required before the equipment is to be used in revenue earning service.

#### 5) Supply Chain Arrangements

- 1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.
- 2) Products may be purchased by Network Rail or its agents, suppliers or contractors.
- 3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.