









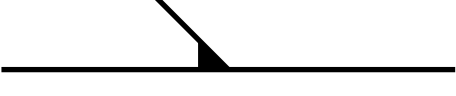



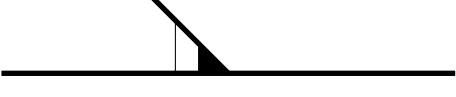



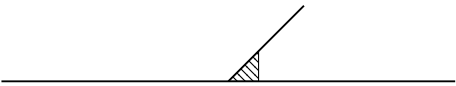
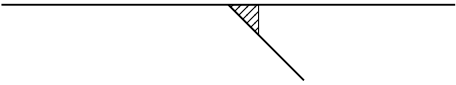
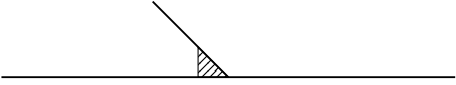
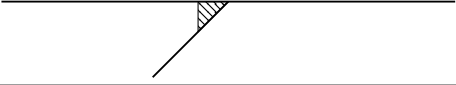
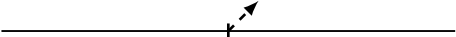
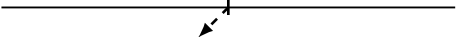

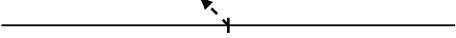

Snippets

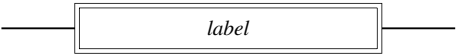
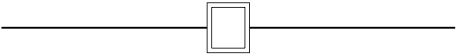
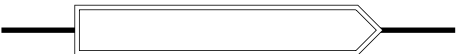
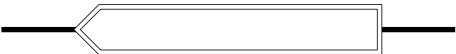


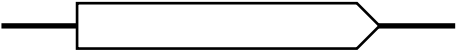
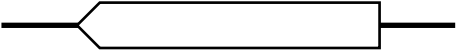
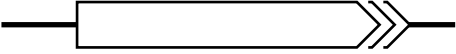
No.	Name	Symbol	Code	Sublibrary
1	main track		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \maintrack (A) -- (B);</pre>	topology
2	main line (double track)		<pre>\coordinate (A1) at (0,-0.5); \coordinate (B1) at (6,-0.5); \coordinate (A2) at (0, 0.5); \coordinate (B2) at (6, 0.5); \maintrack (A1) -- (B1); \maintrack (A2) -- (B2);</pre>	topology
3	secondary track		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B);</pre>	topology
4	track number		<pre>\coordinate (A) at (0,0); \coordinate (X) at (3,0); \coordinate (B) at (6,0); % order is important \maintrack (A) -- (B); % first \tracklabel at (X) label (No.); % second</pre>	topology
5	bufferstop (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (3,0); \maintrack (A) -- (B); \bufferstop[forward] at (B);</pre>	topology
6	bufferstop (backward)		<pre>\coordinate (A) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \bufferstop[backward] at (A);</pre>	topology
7	friction bufferstop (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (3,0); \maintrack (A) -- (B); \bufferstop[forward,friction=.5] at (B);</pre>	topology

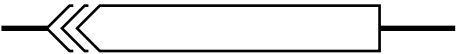
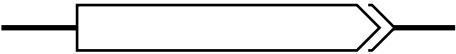
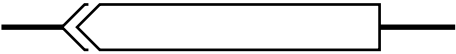


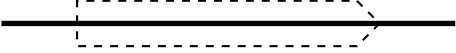
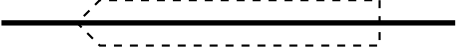

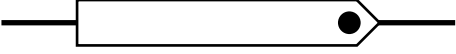
No.	Name	Symbol	Code	Sublibrary
8	friction bufferstop (backward)		<pre>\coordinate (A) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \bufferstop[backward,friction=.5] at (A);</pre>	topology
9	track closure		<pre>\coordinate (A) at (0,0); \coordinate (B) at (3,0); \maintrack (A) -- (B); \trackclosure at (B);</pre>	topology
10	turnout left (forward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,1); \turnout[forward,branch=left] at (Y) label ();</pre>	topology
11	turnout left (backward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,1); \turnout[backward,branch=left] at (Y) label ();</pre>	topology
12	turnout right (forward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,-1); \turnout[forward,branch=right] at (Y) label ();</pre>	topology
13	turnout right (backward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,-1); \turnout[backward,branch=right] at (Y) label ();</pre>	topology
14	turnout left (forward) with fouling point indicator		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,1); \turnout[forward,branch=left,fouling point] at (Y) label ();</pre>	topology
15	turnout left (backward) with fouling point indicator		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,1); \turnout[backward,branch=left,fouling point] at (Y) label ();</pre>	topology
16	turnout right (forward) with fouling point indicator		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,-1); \turnout[forward,branch=right,fouling point] at (Y) label ();</pre>	topology

No.	Name	Symbol	Code	Sublibrary
17	turnout right (backward) with fouling point indicator		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,-1); \turnout[backward,branch=right,fouling point] at (Y) label ();</pre>	topology
18	double-slip turnout left		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1, 1); \maintrack (Y) -- ++(-1,-1); \slipturnout[branch=left] at (Y) label (ab) (cd);</pre>	topology
19	double-slip turnout right		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,-1); \maintrack (Y) -- ++(-1, 1); \slipturnout[branch=right] at (Y) label (ab) (cd);</pre>	topology
20	diamond crossing left		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1, 1); \maintrack (Y) -- ++(-1,-1); \crossing[branch=left] at (Y) label ();</pre>	topology
21	diamond crossing right		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,-1); \maintrack (Y) -- ++(-1, 1); \crossing[branch=right] at (Y) label ();</pre>	topology
22	turnout left (forward) with points in right position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,1); \turnout[forward,branch=left,points=right] at (Y) label ();</pre>	topology
23	turnout left (forward) with points in left position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,1); \turnout[forward,branch=left,points=left] at (Y) label ();</pre>	topology
24	turnout left (forward) with moving points		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,1); \turnout[forward,branch=left,points=moving] at (Y) label ();</pre>	topology

No.	Name	Symbol	Code	Sublibrary
25	turnout left (backward) with points in right position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,1); \turnout[backward,branch=left,points=right] at (Y) label ();</pre>	topology
26	turnout left (backward) with points in left position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,1); \turnout[backward,branch=left,points=left] at (Y) label ();</pre>	topology
27	turnout left (backward) with moving points		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,1); \turnout[backward,branch=left,points=moving] at (Y) label ();</pre>	topology
28	turnout right (forward) with points in right position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,-1); \turnout[forward,branch=right,points=right] at (Y) label ();</pre>	topology
29	turnout right (forward) with points in left position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,-1); \turnout[forward,branch=right,points=left] at (Y) label ();</pre>	topology
30	turnout right (forward) with moving points		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(1,-1); \turnout[forward,branch=right,points=moving] at (Y) label ();</pre>	topology
31	turnout right (backward) with points in right position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,-1); \turnout[backward,branch=right,points=right] at (Y) label ();</pre>	topology
32	turnout right (backward) with points in left position		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,-1); \turnout[backward,branch=right,points=left] at (Y) label ();</pre>	topology
33	turnout right (backward) with moving points		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \maintrack (A) -- (B); \maintrack (Y) -- ++(-1,-1); \turnout[backward,branch=right,points=moving] at (Y) label ();</pre>	topology

No.	Name	Symbol	Code	Sublibrary
34	turnout left (forward) operated manually		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \secondarytrack (Y) -- ++(1,1); \turnout[forward,branch=left,operation=manual] at (Y) label ();</pre>	topology
35	turnout right (forward) operated manually		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \secondarytrack (Y) -- ++(1,-1); \turnout[forward,branch=right,operation=manual] at (Y) label ();</pre>	topology
36	turnout left (backward) operated manually		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \secondarytrack (Y) -- ++(-1,1); \turnout[backward,branch=left,operation=manual] at (Y) label ();</pre>	topology
37	turnout right (backward) operated manually		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \secondarytrack (Y) -- ++(-1,-1); \turnout[backward,branch=right,operation=manual] at (Y) label ();</pre>	topology
38	derailer left (forward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \derailer[forward,branch=left] at (Y) label ();</pre>	topology
39	derailer left (backward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \derailer[backward,branch=left] at (Y) label ();</pre>	topology
40	derailer right (forward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \derailer[forward,branch=right] at (Y) label ();</pre>	topology
41	derailer right (backward)		<pre>\coordinate (A) at (0,0); \coordinate (Y) at (3,0); \coordinate (B) at (6,0); \secondarytrack (A) -- (B); \derailer[backward,branch=right] at (Y) label ();</pre>	topology
42	vehicles (parked)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (3,0); \secondarytrack (A) -- (B); \parkedvehicles[] at (T) label ();</pre>	vehicles








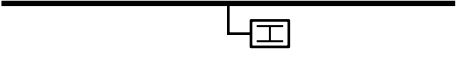

No.	Name	Symbol	Code	Sublibrary
43	vehicles with label (parked)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (3,0); \secondarytrack (A) -- (B); \parkedvehicles[] at (T) label (label);</pre>	vehicles
44	vehicle (parked)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (3,0); \secondarytrack (A) -- (B); \parkedvehicles[length=0.5cm] at (T) label ();</pre>	vehicles
45	train in shunting mode (direction forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \shunting[forward] at (T) label ();</pre>	vehicles
46	train in shunting mode (direction backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (1,0); \maintrack (A) -- (B); \shunting[backward] at (T) label ();</pre>	vehicles
47	train shunting (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \shunting[movement,forward] at (T) label ();</pre>	vehicles
48	train shunting (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (1,0); \maintrack (A) -- (B); \shunting[movement,backward] at (T) label ();</pre>	vehicles
49	train (direction forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \train[forward] at (T) label ();</pre>	vehicles
50	train (direction backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (1,0); \maintrack (A) -- (B); \train[backward] at (T) label ();</pre>	vehicles
51	train moving (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \train[run=normal,forward] at (T) label ();</pre>	vehicles

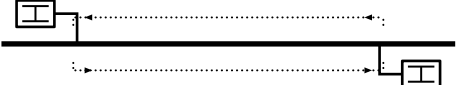

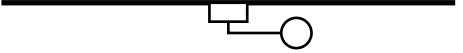




No.	Name	Symbol	Code	Sublibrary
52	train moving (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (1,0); \maintrack (A) -- (B); \train[run=normal,backward] at (T) label ();</pre>	vehicles
53	train moving slow (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \train[run=slow,forward] at (T) label ();</pre>	vehicles
54	train moving slow (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (1,0); \maintrack (A) -- (B); \train[run=slow,backward] at (T) label ();</pre>	vehicles
55	train moving fast (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \train[run=fast,forward] at (T) label ();</pre>	vehicles
56	train moving fast (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (1,0); \maintrack (A) -- (B); \train[run=fast,backward] at (T) label ();</pre>	vehicles
57	train ghost (direction forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \train[ghost,forward] at (T) label ();</pre>	vehicles
58	train ghost (direction backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (1,0); \maintrack (A) -- (B); \train[ghost,backward] at (T) label ();</pre>	vehicles
59	train operated automatic (direction forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \train[operation=automatic,forward] at (T) label ();</pre>	vehicles
60	train operated by human (direction forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (5,0); \maintrack (A) -- (B); \train[operation=manual,forward] at (T) label ();</pre>	vehicles

No.	Name	Symbol	Code	Sublibrary
61	train running over a junction		<pre> \coordinate (A1) at (0,-0.5); \coordinate (Y1) at (2.5,-0.5); \coordinate (B1) at (6,-0.5); \coordinate (A2) at (0,0.5); \coordinate (Y2) at (3.5,0.5); \coordinate (B2) at (6,0.5); \coordinate (T) at (5,0.5); \maintrack (A1) -- (B1); \maintrack (A2) -- (B2); \maintrack (Y1) -- (Y2); \turnout[forward,branch=left] at (Y1) label (Y1); \turnout[backward,branch=right] at (Y2) label (Y2); \train[run=slow,forward, bend left at={(Y1)},bend right at={(Y2)}, shift label={(-2,-0.5)} % relative coordinate] at (T) label (T1); </pre>	vehicles
62	distant signal (forward)		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \distsignal[forward] at (S) label (d1); </pre>	trafficcontrol
63	distant signal with speed indicator		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \distsignal[forward,distant speed={8}] at (S) label (); % replace the 8 with desired speed or remove tikz key </pre>	trafficcontrol
64	distant signal (backward)		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \distsignal[backward] at (S) label (d2); </pre>	trafficcontrol
65	distant signal with speed indicator		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \distsignal[backward,distant speed={8}] at (S) label (); % replace the 8 with desired speed or remove tikz key </pre>	trafficcontrol
66	speed signal (forward)		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \speedsignal[forward,speed={8}] at (S) label (); % replace the 8 with desired speed </pre>	trafficcontrol
67	speed signal (backward)		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \speedsignal[backward,speed={8}] at (S) label (); % replace the 8 with desired speed </pre>	trafficcontrol

No.	Name	Symbol	Code	Sublibrary
68	block signal (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \blocksignal[forward] at (S) label (1);</pre>	trafficcontrol
69	block signal (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \blocksignal[backward] at (S) label (2);</pre>	trafficcontrol
70	route signal (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \routesignal[forward] at (S) label (R1);</pre>	trafficcontrol
71	route signal (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \routesignal[backward,speed={8}] at (S) label (F); <i>% replace the 8 with desired speed or remove tikz key</i></pre>	trafficcontrol
72	combined signal (distant, block and route signal)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \signal[distant,block,route,forward,distant speed=8,speed=8] at (S) label (K1); <i>% replace the 8 with desired speed or remove tikz key</i></pre>	trafficcontrol
73	shunt signal (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \shuntsignal[forward] at (S) label ();</pre>	trafficcontrol
74	shunt signal (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \shuntsignal[backward] at (S) label ();</pre>	trafficcontrol
75	shunt signal locked (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \shuntsignal[forward,locked] at (S) label ();</pre>	trafficcontrol
76	shunt signal locked (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \shuntsignal[backward,locked] at (S) label ();</pre>	trafficcontrol

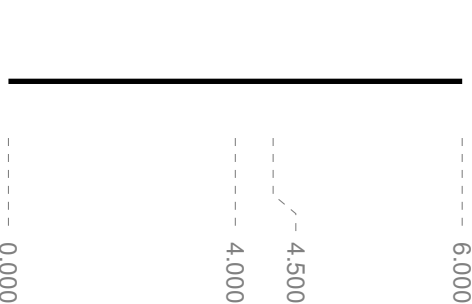
No.	Name	Symbol	Code	Sublibrary
77	shunt limit (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \shuntlimit[forward] at (S) label ();</pre>	trafficcontrol
78	shunt limit (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \shuntlimit[backward] at (S) label ();</pre>	trafficcontrol
79	view point (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \viewpoint[forward] at (S);</pre>	trafficcontrol
80	view point (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \viewpoint[backward] at (S);</pre>	trafficcontrol
81	braking point (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \brakingpoint[forward] at (S) label ();</pre>	trafficcontrol
82	braking point (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \brakingpoint[backward] at (S) label ();</pre>	trafficcontrol
83	end of movement authority (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \movementauthority[forward] at (S) label ();</pre>	trafficcontrol
84	end of movement authority (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \movementauthority[backward] at (S) label ();</pre>	trafficcontrol
85	danger point (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \dangerpoint[forward] at (S) label ();</pre>	trafficcontrol

No.	Name	Symbol	Code	Sublibrary
86	danger point (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \dangerpoint[backward] at (S) label ();</pre>	trafficcontrol
87	route (forward & backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (R1) at (2,0); \coordinate (R2) at (4,0); \maintrack (A) -- (B); \route[backward] at (R1); \route[forward] at (R2);</pre>	trafficcontrol
88	block clearing point (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (CP) at (3,0); \maintrack (A) -- (B); \blockclearing[forward] at (CP) label ();</pre>	trafficcontrol
89	block clearing point (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (CP) at (3,0); \maintrack (A) -- (B); \blockclearing[backward] at (CP) label ();</pre>	trafficcontrol
90	route clearing point (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (CP) at (3,0); \maintrack (A) -- (B); \routeclearing[forward] at (CP) label ();</pre>	trafficcontrol
91	route clearing point (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (CP) at (3,0); \maintrack (A) -- (B); \routeclearing[backward] at (CP) label ();</pre>	trafficcontrol
92	clearing point		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (CP) at (3,0); \maintrack (A) -- (B); \clearingpoint[backward] at (CP) label ();</pre>	trafficcontrol
93	train berth sign (forward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \berthsignal[forward] at (S) label ();</pre>	trafficcontrol
94	train berth sign (backward)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \berthsignal[backward] at (S) label ();</pre>	trafficcontrol

No.	Name	Symbol	Code	Sublibrary
95	train berth		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (H) at (3,0); \coordinate (S1) at (1,0); \coordinate (S2) at (5,0); \maintrack (A) -- (B); \berth[forward] at (H) length (); \berth[backward] at (H) length (); \berthsignal[backward] at (S1) label (); \berthsignal[forward] at (S2) label (); </pre>	trafficcontrol & messures
96	transmitter (right & left)		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T1) at (2,0); \coordinate (T2) at (4,0); \maintrack (A) -- (B); \balise[] at (T1) label (); \balise[position=left] at (T2) label (); </pre>	trafficcontrol
97	transmitter (right) with signal		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (S) at (3,0); \maintrack (A) -- (B); \routesignal[forward] at (S) label (); \balise[] at (S) label (); </pre>	trafficcontrol
98	transmitter (right & left) effective forward		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T1) at (2,0); \coordinate (T2) at (4,0); \maintrack (A) -- (B); \balise[forward] at (T1) label (); \balise[forward,position=left] at (T2) label (); </pre>	trafficcontrol
99	transmitter (right & left) effective backward		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T1) at (2,0); \coordinate (T2) at (4,0); \maintrack (A) -- (B); \balise[backward] at (T1) label (); \balise[backward,position=left] at (T2) label (); </pre>	trafficcontrol
100	transmitter (right & left) effective bidirectional		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T1) at (2,0); \coordinate (T2) at (4,0); \maintrack (A) -- (B); \balise[bidirectional] at (T1) label (); \balise[bidirectional,position=left] at (T2) label (); </pre>	trafficcontrol
101	loop transmitter		<pre> \coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (T) at (3,0); \maintrack (A) -- (B); \transmitter[type=loop] at (T) label (); </pre>	trafficcontrol

No.	Name	Symbol	Code	Sublibrary
102	platform (left)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (P) at (3,0); \maintrack (A) -- (B); \platform[side=left] at (P);</pre>	constructions
103	platform (right)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (P) at (3,0); \maintrack (A) -- (B); \platform[side=right] at (P);</pre>	constructions
104	platform (middle)		<pre>\coordinate (A1) at (0,-0.5); \coordinate (B1) at (6,-0.5); \coordinate (A2) at (0, 0.5); \coordinate (B2) at (6, 0.5); \coordinate (P1) at (3, 0.5); \coordinate (P2) at (3,-0.5); \maintrack (A1) -- (B1); \maintrack (A2) -- (B2); \platform[side=right] at (P1); \platform[side=left] at (P2);</pre>	constructions
105	level crossing (single track)		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (X) at (3,0); \maintrack (A) -- (B); \levelcrossing[barrier=semi] at (X);</pre>	constructions
106	level crossing (double track)		<pre>\coordinate (A1) at (0,-0.5); \coordinate (B1) at (6,-0.5); \coordinate (A2) at (0, 0.5); \coordinate (B2) at (6, 0.5); \coordinate (X1) at (3, 0.5); \coordinate (X2) at (3,-0.5); \maintrack (A1) -- (B1); \maintrack (A2) -- (B2); \levelcrossing[barrier=semi,side=left] at (X1); \levelcrossing[barrier=semi,side=right] at (X2);</pre>	constructions
107	level crossing (double track) with full closure		<pre>\coordinate (A1) at (0,-0.5); \coordinate (B1) at (6,-0.5); \coordinate (A2) at (0, 0.5); \coordinate (B2) at (6, 0.5); \coordinate (X1) at (3, 0.5); \coordinate (X2) at (3,-0.5); \maintrack (A1) -- (B1); \maintrack (A2) -- (B2); \levelcrossing[barrier=full,side=left] at (X1); \levelcrossing[barrier=full,side=right] at (X2);</pre>	constructions
108	bridge		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (X) at (3,0); % order is important \bridge[] at (X); % first \maintrack (A) -- (B); % second</pre>	constructions

No.	Name	Symbol	Code	Sublibrary
109	bridge with track beneath		<pre>\coordinate (B1) at (6, 0); \coordinate (A2) at (2,-1); \coordinate (B2) at (4, 1); \coordinate (X) at (3,0); % order is important \maintrack (A2) -- (B2); % first \bridge[shift left=0.25cm,shift right=-0.25cm] at (X); % second \maintrack (A1) -- (B1); % third</pre>	constructions
110	hump		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (H) at (3,0); \secondarytrack (A) -- (B); \hump at (H);</pre>	constructions
111	interlocking		<pre>\coordinate (I) at (3,0); \interlocking at (I);</pre>	constructions
112	train berth shape		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (H) at (3,0); \maintrack (A) -- (B); \berth[forward] at (H) length (\SI{750}{\metre});</pre>	measures
113	train berth shape bidirectional		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (H) at (3,0); \maintrack (A) -- (B); \berth[bidirectional] at (H) length (\SI{750}{\metre});</pre>	measures
114	train berth with special shape		<pre>\coordinate (A) at (0,0); \coordinate (B) at (6,0); \coordinate (H1) at (3.25,0); \coordinate (H2) at (3,0); \maintrack (A) -- (B); \berth[forward ,length=3.0cm] at (H1) length (\SI{550}{\metre}); \berth[backward,length=3.5cm] at (H2) length (\SI{650}{\metre});</pre>	measures
115	track distance (in m)		<pre>\coordinate (A1) at (0,-0.5); \coordinate (X1) at (3,-0.5); \coordinate (B1) at (6,-0.5); \coordinate (A2) at (0, 0.5); \coordinate (X2) at (3, 0.5); \coordinate (B2) at (6, 0.5); \maintrack (A1) -- (B1); \maintrack (A2) -- (B2); \trackdistance between (X2) and (X1) distance (4,50);</pre>	measures

No.	Name	Symbol	Code	Sublibrary
116	hectometer (in km)		<pre> \coordinate (A) at (0,0); \coordinate (X1) at (3,0); \coordinate (X2) at (3.5,0); \coordinate (B) at (6,0); \coordinate (hb) at (0,-2); \maintrack (A) -- (B); \tikzset{hectometer base={(hb)},orientation=right} \hectometer[] at (A) mileage (0.000); \hectometer[] at (X1) mileage (4.000); \hectometer[shift label={(0.3,0)}] at (X2) mileage (4.500); \hectometer[] at (B) mileage (6.000); </pre>	mesures