

railway, metro & LRT | references



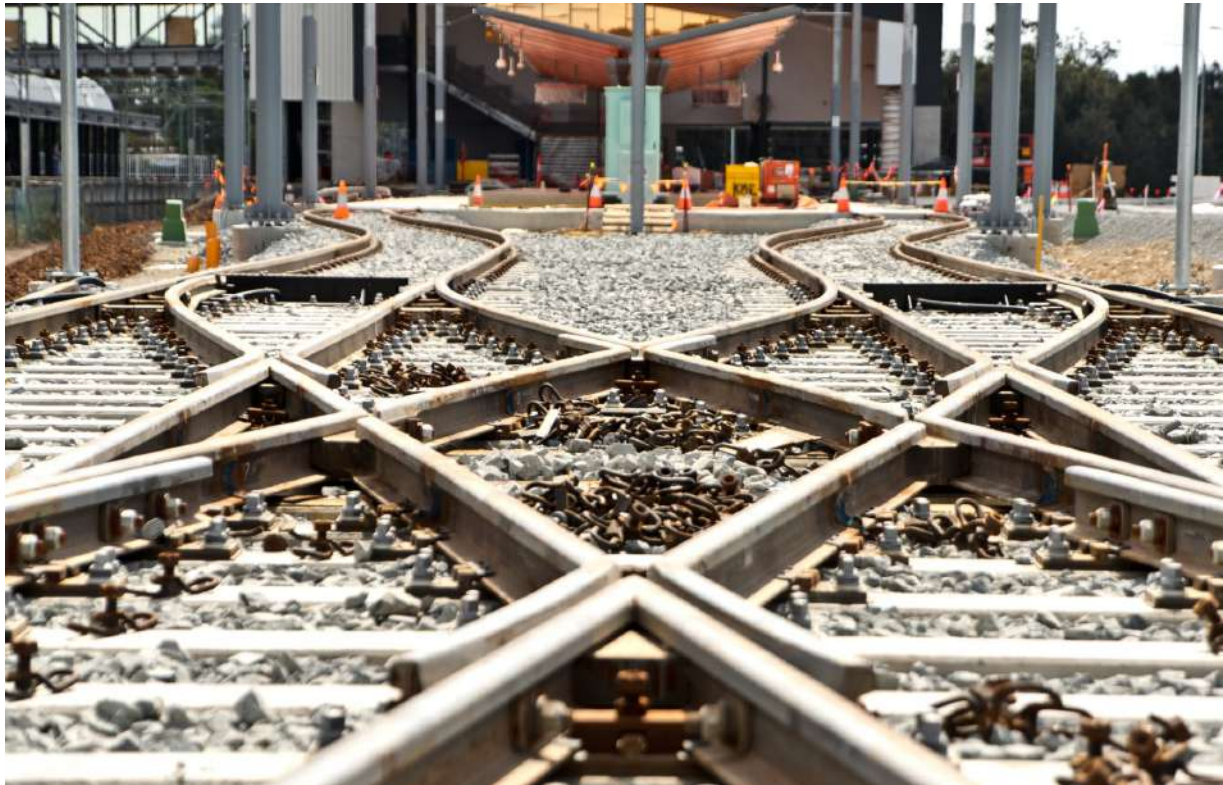
Argentina



Metro Buenos Aires, Line H

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
railways	turnout switch crossing	UIC54	2 2 2	2007	Buenos Aires
	turnout	UIC54	14	2012	Belgrano (BA)
metro	turnout switch crossing single crossover scissors crossover	UIC54	22 4 2 3 2	2005-2010	Buenos Aires Subway
	turnout switch crossing single crossover double crossover	54E1	19 9 8 4 7	2015-2016	Metro Buenos Aires

Australia



Gold Coast

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
railways	single turnout	60E1	55	2011-2012	East-West ARTC South Australia
	turnout (SNX, explosive hardened manganese monoblock and compound crossings)	60E1, AS60	75	2011-2014	Hunter Valley ARTC (Hexham LTTSF, 30TAL etc.)
	turnout	60E1	10	2014	Botany Port, Sydney
	40 kg rail		3	2014	Xstrata – small mine turnout
	set of switches swing nose catch point	AS60	19 4 4	2016-2019	Australia
	set of switches	AS60	2	2022	
	turnout	41E1	3	2022	
LRT	single turnout	60E1	6	2012	PTA (Perth Light Rail)
	single turnout	60E1	8	2013	Sydney Light Rail
	single crossover scissors crossover transition/twist rail	49E1	1 1 40	2017	Gold Coast

Belgium



Ostend

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout	EB50T	4	2009	Port of Athus
	turnout		8		Charleroi
	turnout crossing	50E2	24 2	2019-2020	De Lijn

Brazil



Metro São Paulo, Line 5

metro	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout single crossover	UIC60	43 12	2013-2014	Metro São Paulo (Line 5)

Canada



LRT	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout diamond crossing scissors crossover	S41/10	2 1 5	2010-2013	LRT Calgary
	turnout	41E1	2	2015	
	turnout single crossover double crossover Mn crossing spare parts	115RE	66 16 4 10 4	2016-2022	LRT Toronto
	turnout diamond crossing crossover	115RE	7 3 4	2012	LRT Edmonton
	crossing		10	2020, 2022	
	expansion joints	115RE	6	2023	LRT Montreal
	half switches	54E1	17	2024	LRT Vancouver
	switch rail	54E1A1	22	2025	Edmonton

Croatia

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	transition rails	60E1	100	2019	Croatia

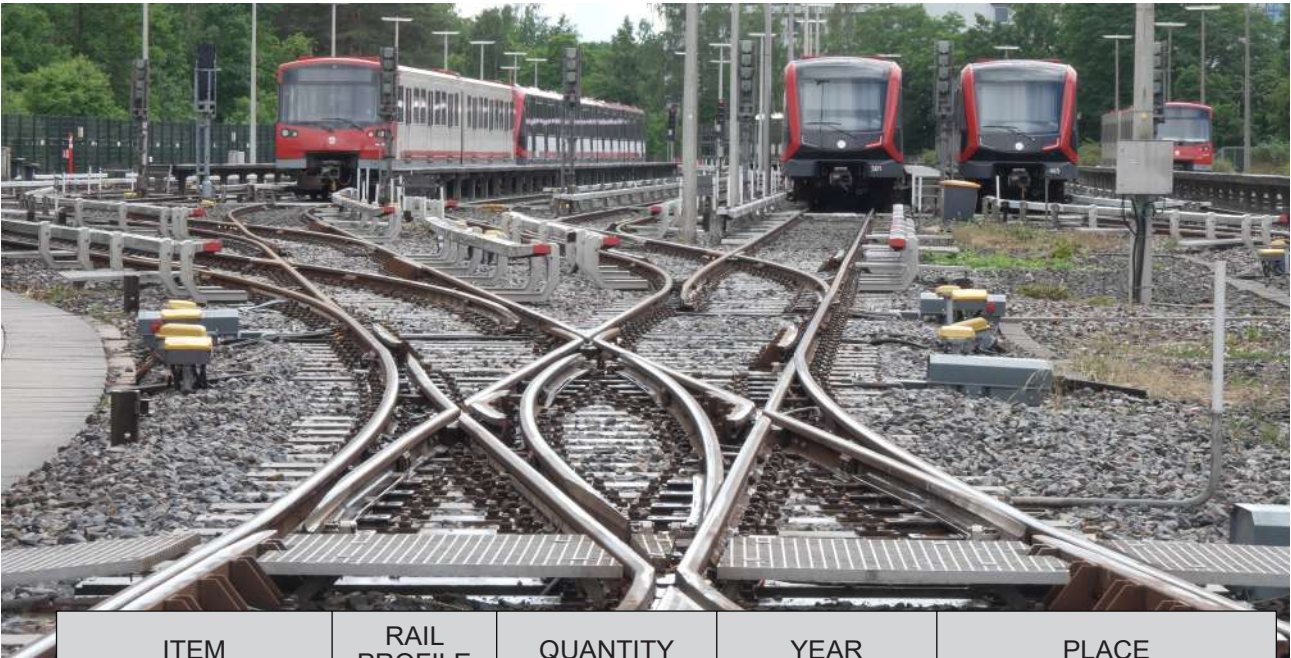
Czech Republic



Prague - Libeň

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout	S49	> 2600	2000-2025	Railways of the Czech Republic
	turnout	UIC60	> 3100		
	turnout	R65	> 200		
	turnout spare parts	S49	51 > 200	2019-2025	Prague Metro
	turnout (slab track)	49E1	1	2022	Opatovice nad Labem

Germany



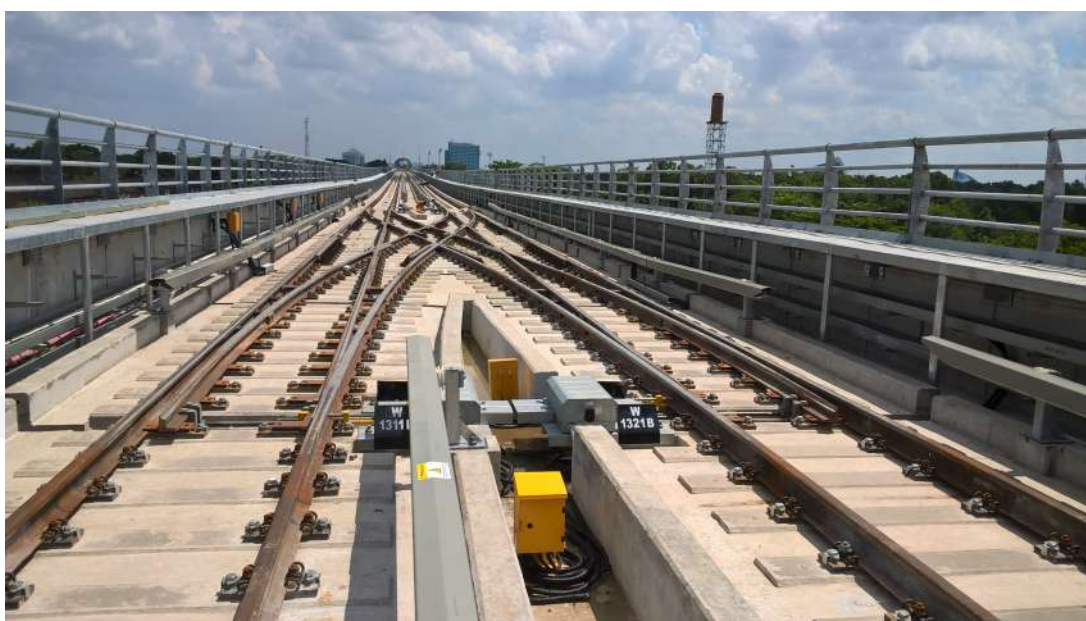
railways

ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
turnout	60E2A1 54E3	2	2017	Mannheim
single crossover		1	2017	Görlitz
crossing turnout		1	2018-2023	Düsseldorf
single crossover		1		
double crossover		2		
double crossover		1	2026	
turnout crossing		2 1	2019	Kassel
turnout crossing half switch		46 83 55	2019-2026	Bremen
turnout crossing single crossover half switch		1 1 6 70	2018-2026	Köln
turnout single crossover		5 2	2019-2021	Berlin
turnout		1	2020	Stuttgart
single crossover turnout double slip turnout		4 42 3	2021-2026	Nürnberg
turnout switch		1 2	2023	Krefeld
single crossover double crossover		1 1	2023-2024	Duisburg
turnout half switch		1 3	2025-2026	
switch rail double crossover		30 1	2024 2026	Essen
stock rail		864 100	2023-2024	DB Witten

Greece

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
railways	turnout	S49	5	2006-2009	Greece
	turnout	UIC60	61		Athens
	transition rail	UIC60/UIC54	88		Greece

Indonesia



LRT Palembang

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
LRT	turnout	UIC54	40	2011-2013	PT.KAI
	turnout	54E1	14	2017-2018	LRT Palembang
	single crossover		13		
	double crossover		2		
	rail expansion joint		4		
	turnout		2	2020	Tanjung Enim, Sumatra

Italy

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	crossing set of switches	UIC60	3 2	2011	Italy
	turnout	S60UNI	2 1	2015	Ferrovie del Gargano Ferrovienord
	switch rail	60E1A2	42 14	2012 2017	Italy
	transition rail	60E1/50E5	> 650	2013-2026	Ferrovienord
	bainitic crossing	UIC60	3	2020	
	transition rail	60E1/50E5	30	2024-2025	ATM (Milan)
		62R1/50E5	10	2025	

Mauricius

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	transition rail	50E6/54G1/IRG	123	2019	Mauricius
			71	2020-2021	

Monte Negro

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout	S49	56	2006-2012	Railways of Monte Negro

Netherlands

metro	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	half set of switches crossing	49E1	5 1	2018	Metro Amsterdam

Norway

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout	S49	12	2004-2006	Oslo Sporveien
	turnout	60E1	3	2001-2013	Narvik
	turnout Mn crossing		6 1	2014-2015	Narvik (harbour, heavy haul)
	spare parts (Mn crossing, switch rail, stock rail)		8	2015	Narvik
			16	2017	
			14	2021	
	half set of switches Mn crossing		8 3	2023	
	half set of switches		8	2024	
	crossing stock rail		3 5	2025	

Philippines

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
railways	turnout	EB50T	20	2005-2006	Manila Metro
	diamond crossing half set of switches common crossing	50E2	3 13 2	2017-2018 2019 2020	Philippines
	crossing half set of switches	50E2	5 15	2023	Philippines

Portugal

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
railways	turnout	UIC54	1	2023	O.J.E. LOGISTICS – ENTRONCAMENTO S.A.
	turnout	UIC54	2	2025	AGREMOR - MATERIAIS DE CONSTRUÇÃO E SERVIÇOS, S.A.

Qatar

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
LRT	turnout expansion joint	49E1	28 18	2015	Qatar

Slovakia



Nové Mesto nad Váhom

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout	R65	> 100	2006-2025	Railways of Slovakia
	turnout	S49	> 500		
	turnout	UIC60	> 600		

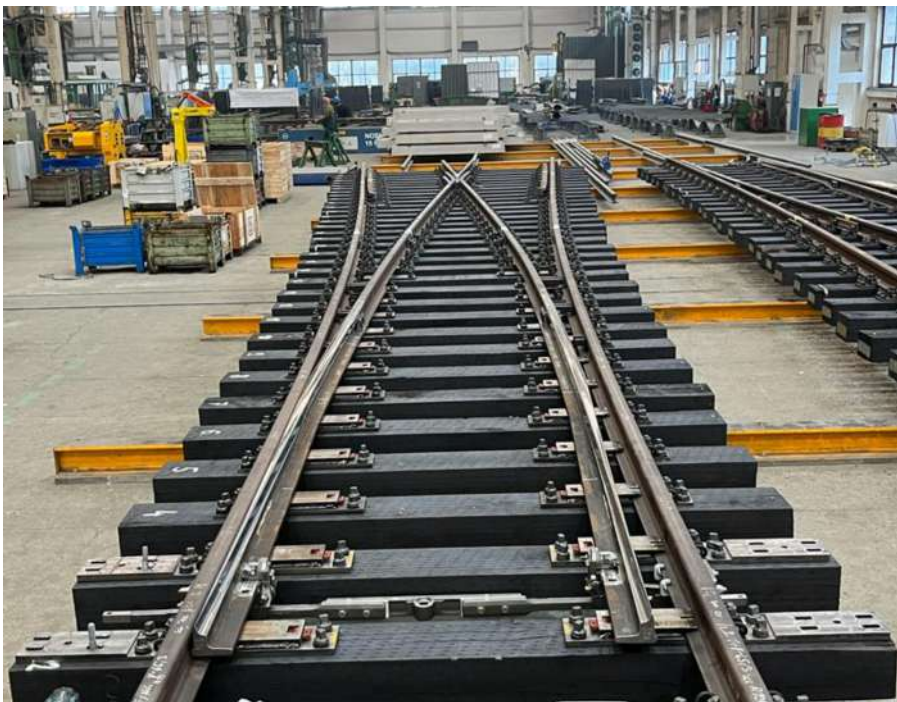
Sweden



3-way turnout in Solna (Stockholm)

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout	BV50	5	2012-2014	Sweden
	3-way turnout	50E3	2	2013-2014	Göteborg
	3-way turnout		1	2016	Borlänge
	turnout		2	2016	Lulea
	set of switches		8	2016-2017	Sweden
	switch rail	54E1A2	54	2016-2017	Sweden
	3-way turnout	50E3	1	2019	Borlänge
	half set of switches		1		
	3-way turnout		1	2020	Solna
	tongue stock rail	54E1A2/50E3	19 19	2020	Ystad
	3-way turnout	50E3	1	2021	Borlänge
	switch rail, stock rail		11		
	single turnout half set of switches crossing	50E3	3 3 1	2024-2025	Sweden

Switzerland



railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	turnout scissors crossover	S49 46E1	3 1	2004-2014	Rhätische Bahn Railways
	turnout turnout turnout	S49	2 12 11	2004-2006	Brien Rothorn Railway Matterhorn Gothard Railway Aigle Transporting Company
	half set of switches crossing	UIC60	4 5	2013	SBB
	turnout	46E1	2 6	2021 2023-2026	Switzerland

Thailand

railways	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
	set of switches	49E1	5	2017	Thailand

Turkey



Ankara Metro

	ITEM	RAIL PROFILE	QUANTITY	YEAR	PLACE
railways	turnout switch crossing	S49	3 3 1	2005-2007	Istanbul
	turnout scissors crossover	UIC60	18 2	2009-2010	Turkish State Railways
	turnout	S49	2	2010	Derince Port
	switch crossing	S49, UIC60	> 100	2011 till now	Turkish State Railways
metro	half set of switches	49E1 60E1	35 20	2016	
	tongue	49E1A3	30	2019	
	single crossover	S49	4	2010	Izmir Metro
	turnout double crossover	54E1	30 1	2016-2017	Ankara Metro
	tongue		64	2025	
	turnout crossing double crossover	54E1	77 4 2	2017-2018	Istanbul Metro
	turnout crossover		14 4	2026	

