

PRODUCT REFERENCE LIST

Under Sleeper Pads

2020

Year	Network	Project	Product Type	Track Type	Load	
1989	FR	RATP	Paris: St Lazare	-	Conventional Train	225 kN
1994	PT	CP	Ponte de Seia river	-	Conventional Train	225 kN
1995	PT	CP	Vila Real: Ponte de Corgo	-	Conventional Train	225 kN
1997	PT	REFER	Sintra: Mercedes Station	-	Conventional Train	225 kN
1999	PT	REFER	Santana: Ponte Santana	-	Conventional Train	225 kN
1999	NO	Oslo Sporveier	Frame agreement	-	Conventional Train	225 kN
2000	NO	Oslo Sporveier	Frame agreement	-	Conventional Train	225 kN
2001	NO	Oslo Sporveier	Frame agreement	-	Conventional Train	225 kN
2002	HK	KCRC	Hong Kong	-	Conventional Train	225 kN
2003	ES	ADIF	Mostoles: Curva de Mostoles	USP-S-15a	Conventional Train	225 kN
2003	HK	KCRC	Hong Kong	-	Conventional Train	225 kN
2004	BE	Infrabel	Bouwel	USP-I-10b	Conventional Train	225 kN
2004		MIVB/STIB	Brussels	-	Tramway	130 kN
2004	NO	Oslo Sporveier	Frame agreement	-	Conventional Train	225 kN
2005	BE	Infrabel	Testelt	USP-S-20a	Conventional Train	225 kN
2005		MIVB/STIB	Montgomery	Special	Tramway	130 kN
2005	NO	Oslo Sporveier	Frame agreement	-	Conventional Train	225 kN
2006	BE	Infrabel	Vertrijk	USP-I-10b	Conventional Train	225 kN
2006	FR	LEA	Lyon	-	Tramway	130 kN
2007	HU	MAV	Győr Station	-	Conventional Train	225 kN
2007	TR	Ulasim	Istambul	-	Tramway	130 kN
2008	BE	Infrabel	Epeghem	USP-I-10b	Conventional Train	225 kN
2008	ES	ADIF	Madrid: UTE Atocha Cercanias	-	Conventional Train	225 kN
2008	PT	REFER	Lisbon: Tunnel Rossio	USP-S-20a	Conventional Train	225 kN
2009	BE	Infrabel	Wooden Sleepers	USP-I-10b	Conventional Train	225 kN
2009		MIVB/STIB	Schuman	Special	Tramway	130 kN
2009	FR	RATP	Line 12 - Saint-George	USP-I-10b	Metro	160 kN
2009	IT	MM	Milano M5	Special	Metro	160 kN
2009	PT	REFER	Barcarena - Cacém	USP-S-20a	Conventional Train	225 kN
2010	BE	Infrabel	Frame agreement	USP-I-10b	Conventional Train	225 kN
2010	PT	REFER	Barcarena - Cacém	USP-S-20a	Conventional Train	225 kN
2011	IT	MM	Milano M5	Special	Metro	160 kN
2011	PT	REFER	Barcarena - Cacém	USP-S-20a	Conventional Train	225 kN
2011	CH	SBB	SBB - USP Test Track	Special	Conventional Train	225 kN

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2011			USP-I-10d			
2012	IT	ATAC	Roma	USP-I-10d	Tramway	130 kN
2012	TR	Istanbul Ulasim	S&C Istanbul Ulasim	USP-I-10b	Metro	160 kN
2013	BE	TEC	MLC - Antenne de Fontaine (Anderlues - Surchiste)	USP-I-10b	Tramway	130 kN
2013	AE	Etihad Rail	Shah - Habshan - Rawais	USP-I-10b	Freight Heavy rail	300 kN
2014	BE	Infrabel	Frame agreement 2013	USP-I-10c	Conventional Train	225 kN
2014	US	MTA	S&C New York City Transit	USP-I-07d	Metro	160 kN
2014		AMTRAK	S&C Bridge approaches	USP-I-07d	Conventional Train	225 kN
2014		METRA	North Line Bridge Project	USP-I-10c	Conventional Train	225 kN
2014	PL	PKP PLK	S&C LCS Lukow - Railway line	USP-I-07d	Conventional Train	225 kN
2014	CA	Metro Line	S&C Union Station	USP-I-07d	Freight Heavy rail	300 kN
2015	BE	Infrabel	Frame agreement 2014	USP-I-10c	Conventional Train	225 kN
2015	US	AMTRAK	Amtrak & KSA USP's Installation Test	USP-I-07d	Conventional Train	225 kN
2015		RTD	I-225 Corridor Bridge Approach	USP-I-07d	Conventional Train	225 kN
2015		SEPTA	West Trenton Bridge Approach	USP-I-07d	Conventional Train	225 kN
2015		Metrolink	San Bernardino	USP-I-07d	Conventional Train	225 kN
2016	FR	RATP	Test Track	USP-I-10b	Metro	160 kN
2016				USP-S-20b		
2016	US	CSX	S&C	USP-I-07d	Conventional Train	225 kN
2016		AMTRAK	Stock Amtrak	USP-I-07d	Conventional Train	225 kN
2016		Metrolink	San Bernardino	USP-I-07d	Conventional Train	225 kN
2016		FEC	Florida East Coast Railway	USP-I-07d	Conventional Train	225 kN
2016	PL	PKP PLK	Railway station Libiaz - Line 93	USP-I-10c	Conventional Train	225 kN
2016	DK	Banedanmark	Copenhagen - Ringsted	USP-I-10b	Conventional Train	225 kN
2016				USP-I-07d		
2017	BE	Infrabel	Frame agreement 2016-2017	USP-I-07d	Conventional Train	225 kN
2017	US	CSX	S&C	USP-I-07d	Conventional Train	225 kN
2017		AMTRAK	Bridge approaches	USP-I-07d	Conventional Train	225 kN
2017			S&C HST	USP-I-07d	High Speed	180 kN
2017		Nortrak	S&C Chicago Heights	USP-I-07d	Conventional Train	225 kN
2017	PL	PKP PLK	E30 Krzeszowice - Kraków Mydlniki	USP-I-07d	Conventional Train	225 kN
2017	IN	Nagpur	Nagpur Metro	USP-I-07d	Metro	160 kN
2018	BE	Infrabel	Frame agreement 2018	USP-I-07d	Conventional Train	225 kN



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2018	FR	RATP	RER A	USP-S-20b	Metro	160 kN
2018	US	CSX	S&C (Muncie, IN)	USP-I-07d	Conventional Train	225 kN
2018		AMTRAK	Bridge approaches	USP-I-07d	Conventional Train	225 kN
2018		Nortrak	S&C	USP-I-07d	Conventional Train	225 kN
2018	PL	PKP PLK	E30 Krakow Glowny Towarowy - Rudzice	USP-I-07d	Conventional Train	225 kN
2018	SE	Trafikverket	CTM ID 148280 - Heavy Haul Tender	USP-R-07e	Heavy Haul	350 kN
2018	AU	FMG	Austrak USP inquiry for FMG Bridge Track Replacement	USP-R-07e	Heavy Haul	400 kN
2018		FMG & BHP	Roy Hills Bridge Track Replacement	USP-R-07e	Heavy Haul	400 kN
2018	TH	Bangkok MRT	Red Line Phase 2	USP-I-07d	Metro	160 kN
2018	FI	FTA	Parma USP test track	USP-R-07e	Conventional Train	225 kN
2018	MK	Makedonski Železnicy	Line Bitola - Kremenica	USP-I-10b	Conventional Train	225 kN
2019	BE	Infrabel	Frame agreement USP S&C's - 2018-2019	USP-I-07d	Conventional Train	225 kN
2019	FR	RATP	RER A	USP-I-10b	Metro	160 kN
2019				USP-S-20b		
2019	US	CSX	S&C Filbin	USP-I-07d	Conventional Train	225 kN
2019		Nortrak	S&C K2074948	USP-I-07d	Conventional Train	225 kN
2019		BNSF	S&C	USP-I-10c	Freight Heavy rail	300 kN
2019	SE	Trafikverket	CTM ID 141303 - Frame agreement 2019	USP-R-07e	Freight Heavy rail	250 kN
2019	AU	Rio Tinto	Tom Price	USP-R-07e	Heavy Haul	400 kN
2019		Roy Hill	Roy Hill RFQ 6000024524	USP-R-07e	Heavy Haul	400 kN
					Total 340,184,00 units	

Note: Total quantities based on delivered quantities