

PRODUCT REFERENCE LIST

Pandrol Under Ballast Mats

2020

Year	Network	Project	Product Type	Track Type	Load	
1994	PT	REFER	Benfica Station	-	Conventional Train	225 kN
1995	PT	REFER	Amadora Station	-	Conventional Train	225 kN
1996	PT	REFER	Carcavelos Station	-	Conventional Train	225 kN
1997	PT	REFER	Reboleira Station	-	Conventional Train	225 kN
1998	PT	REFER	Viaduto Alvito	-	Conventional Train	225 kN
1998	BR	CMSP	Metro Sao Paulo	-	Metro	160 kN
1999	PT	REFER	Santa Cruz Damaia	-	Conventional Train	225 kN
2000	PT	REFER	Ermesinde Station	-	Conventional Train	225 kN
2001	BE	MIVB/STIB	Place Saint-Denis	UBM-H60-S	Tramway	130 kN
2001	ES	ADIF	AVE Madrid: Atocha Station	UBM-H35-C	High Speed	180 kN
2001	PT	REFER	Viaduto Queluz/Belas	-	Conventional Train	225 kN
2002	HK	KCRC	Hong Kong	-	Conventional Train	225 kN
2002	PT	REFER	Roma Areeiro Station	-	Conventional Train	225 kN
2003	ES	ADIF	AVE Madrid - Barcelona: Viaducto Río Ebro	UBM-H35-C	High Speed	180 kN
2003	HK	KCRC	Hong Kong	-	Conventional Train	225 kN
2003	PT	REFER	Pinhal Novo	-	Conventional Train	225 kN
2005	BE	MIVB/STIB	Montgomery	UBM-H60-S	Tramway	130 kN
2006	BE	MIVB/STIB	Quai Demets	UBM-H60-S	Tramway	130 kN
2006	ES	ADIF	Renovation Cariñena-Muel	UBM-H35-C	Conventional Train	225 kN
2007	BE	Infrabel	Infrabel general	UBM-H35-S	Conventional Train	225 kN
2007		MIVB/STIB	Montgomery	UBM-H60-S	Tramway	130 kN
2007	ES	ADIF	AVE Madrid - Barcelona: Section Vilafranca del Penedés	UBM-H35-C	High Speed	180 kN
2007		FEVE	Bilbao Ría 2000. Calle Santiago Brouard nº 1	UBM-L20-C	Metro	160 kN
2007		FGC	Desdoblamiento del tramo Martorell - Olesa	UBM-H70-S	Metro	160 kN
2007	FR	Transpole	Terminus Tourcoing (centre commercial)	UBM-H150-S	Tramway	130 kN
2007	HU	MAV	Szokesfehervar station	UBM-H100-S	Conventional Train	225 kN
2007	BR	CPTM	Line C: Jurubatuba - Grajaú	UBM-H100-S	Metro	160 kN
2008	BE	MIVB/STIB	Terminus Alsemberg	UBM-H60-S	Tramway	130 kN
2008	ES	ADIF	Integración del ferrocarril en Logroño	UBM-H35-C	Conventional Train	225 kN

2008			AVE Madrid - Valencia: Section Motilla del Palancar	UBM-H80-S	High Speed	180 kN
2008	HU	MAV	Metro 4 Terminus Ketenfold	UBM-H100-S	Conventional Train	225 kN
2008	PT	REFER	Remodelling of Setubal Station	UBM-H35-S	Conventional Train	225 kN
2008			Tunel de Espinho	UBM-H35-C		
2008	SE	SL	Stockholm	UBM-H40-S	Conventional Train	225 kN
2009	BE	De Lijn	Spoorvernieuwing St. Idesbald - Koksijde	UBM-H35-C	Tramway	130 kN
2009		MIVB/STIB	Terminus Heysel	UBM-H80-S	Tramway	130 kN
2009	ES	ADIF	AVE Madrid - Valencia: Section Motilla del Palancar	UBM-H80-S	High Speed	180 kN
2009		FEVE	Soterramiento de Basurto (Bilbao)	UBM-H35-C	Metro	160 kN
2009	HU	MAV	Tarnok-Szekefahervar, Gardony Station	UBM-H100-S	Conventional Train	225 kN
2009	PT	REFER	Porto - Linha de Trofa	UBM-H35-C	Conventional Train	225 kN
2009	BR	CPTM	Interlagos Station	UBM-H35-S	Metro	160 kN
2009	SE	SL	North station - Värtan	UBM-H40-S	Conventional Train	225 kN
2010	BE	Infrabel	Diabolo	UBM-H35-S	Conventional Train	225 kN
2010		MIVB/STIB	Meiser	UBM-H80-S	Tramway	130 kN
2010	ES	ADIF	AVE Barcelona - Frontera Francesa: Section Mollet del Vallés - Montornés del Vallés	UBM-H35-C	High Speed	180 kN
2010		FMB	Soterramiento de Maidagan (Bilbao)	UBM-L20-C	Tramway	130 kN
2010	FR	RATP	Line 8 - Pont de Charenton	UBM-H100-S	Metro	160 kN
2010	IT	ATM	Progetto Castello Sforzesco - Via Lanza	UBM-L20-C	Tramway	130 kN
2010	PT	REFER	Estação de S. Pedro do Estoril + Linha Cascais	UBM-H35-C	Conventional Train	225 kN
2010	TR	Izmir metro	2nd and 3rd stages	UBM-H25-C	Metro	160 kN
2010	BR	CPTM	Sao Paulo	UBM-H100-S	Metro	160 kN
2010	PE	Metro Lima	Metro de Lima	UBM-H70-S	Tramway	130 kN
2011	BE	Infrabel	Diabolo	UBM-H35-S	Conventional Train	225 kN
2011		MIVB/STIB	Verboeckhoven (Foch - Waelem)	UBM-H41-S	Tramway	130 kN
2011	HU	MAV	Záhony II.	UBM-H100-S	Conventional Train	225 kN
2011	IT	ATAC	Metro Roma B1 Prolungamento	UBM-H35-C	Metro	160 kN
2011		MM	Milano - Via Galvani	UBM-L20-C	Tramway	130 kN
2011	PT	REFER	Barcarena - Cacém	UBM-H80-S	Conventional Train	225 kN
2011	TR	TCDD	Marmaray BC1	UBM-H45-C	Conventional Train	225 kN
2011	MA	Tanger	Tanger	UBM-H45-C	Conventional Train	225 kN
2011	MX	Metro México	México L12	UBM-L10-S	Metro	160 kN

2012	BE	Infrabel	Infrabel general	UBM-H35-S	Conventional Train	225 kN
2012		MIVB/STIB	Gentsesteenweg 2012	UBM-H60-S	Tramway	130 kN
2012	FR	Port Le Havre	Port Le Havre	UBM-H35-C	Conventional Train	225 kN
2012	HU	MAV	Győr Station	UBM-H100-S	Conventional Train	225 kN
2012	IT	ATAC	Metro Roma B1 Prolungamento	UBM-H35-C	Metro	160 kN
2012	PT	REFER	Barcarena - Cacém	UBM-H60-S	Conventional Train	225 kN
2012	TR	TCDD	Marmaray BC1	UBM-H45-C	Conventional Train	225 kN
2012	PL	PKP PLK	Gdansk - Line E65	UBM-H35-C	Conventional Train	225 kN
2012	CA	TTC	TYSSE - Sheppard West Station	UBM-L10-S	Tramway	130 kN
2012	BR	Rio de Janeiro	SuperVia - Mangincho project	UBM-H100-S	Metro	160 kN
2012	MX	Metro México	México L12	UBM-L10-S	Metro	160 kN
2013	BE	Infrabel	RER L161 Watermael	UBM-H150-S	Conventional Train	225 kN
2013		MIVB/STIB	Gentsesteenweg extensie	UBM-H60-S	Tramway	130 kN
2013	HU	MAV	Vác - Drégelypalánk bridge renovation over the Morgó watercourse (north from Budapest)	UBM-H100-S	Conventional Train	225 kN
2013	IT	MM	Prolugamento INGRE Milano - Garibaldi	UBM-H35-C	Tramway	130 kN
2013	TR	TCDD	Marmaray BC1	UBM-H45-C	Conventional Train	225 kN
2013	US	TRIMET	Portland - Milwaukee East	UBM-L10-H	Tramway	130 kN
2013				UBM-L10-V		
2013	CA	Metrolinx	GTS-047 - Part B - Segment 2A	UBM-H22-S	Conventional Train	225 kN
2013	AE	Etihad Rail	Shah - Habshan - Rawais	UBM-H80-S	Freight Heavy rail	300 kN
2014	BE	Infrabel	Station Gent Sint Pieters	UBM-H35-S	Conventional Train	225 kN
2014		MIVB/STIB	Meiserplein	UBM-H41-S	Tramway	130 kN
2014	ES	ADIF	Urbanizacio La Reminta ADIF Hosp.	UBM-H35-C	Tramway	130 kN
2014			AVE Montaje de via Leon - Palencia	UBM-H35-C	High Speed	180 kN
2014	HU	MAV	Vác station	UBM-H100-S	Conventional Train	225 kN
2014	IT	ATM	Tranvia via Domodossola - Sovrappasso galleria Ferroviennord	UBM-H35-C	Tramway	130 kN
2014	TR	TCDD	Marmaray CR3	UBM-H45-C	Conventional Train	225 kN
2014	US	Boston	Boston Green Line Extension Phase 1	UBM-L10-S	Metro	160 kN
2014		LA Metro	Expo Line Phase 2	UBM-H36-S	Metro	160 kN
2014		SRTD	Sacramento South Line Phase 2	UBM-H100-S	Tramway	130 kN

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2014	CA	Metrolinx	GTS-047 - Part B - Segment 2A	UBM-H80-S	Conventional Train	225 kN
2014			GTS-047 - Part C - Segment 2B	UBM-L10-S		
2014			GTS-007	UBM-H80-S	Freight Heavy rail	300 kN
2014	MZ	CFM	Linha de Sena - Dondo - Moatize	UBM-H100-S	Freight Heavy rail	300 kN
2014	AU	Aurizon	Wiggins Island Rail Project	UBM-H80-S	Freight Heavy rail	300 kN
2015	BE	MIVB/STIB	Verboeckhovenplein	UBM-H60-S	Tramway	130 kN
2015	ES	ADIF	Canal Barranco Pochos Asco Tarragona	UBM-H35-C	Conventional Train	225 kN
2015	HU	MAV	Szolnok - Szajol	UBM-H100-S	Conventional Train	225 kN
2015	US	Boston	Boston Green Line Extension Phase 1	UBM-H35-C	Metro	160 kN
2015	CA	Waterloo LRT	Waterloo LRT	UBM-L10-S	Tramway	130 kN
2015				UBM-H36-S		
2016	BE	Infrabel	L96C Petite Ile	UBM-H150-S	Conventional Train	225 kN
2016		MIVB/STIB	Montgomery	UBM-H60-S	Tramway	130 kN
2016	ES	ADIF	FFCC Port de Premia de Mar	UBM-H35-C	Conventional Train	225 kN
2016		FEVE	Soterramiento (Basurto - Ariz)	UBM-H35-C	Conventional Train	225 kN
2016	HU	MAV	Frame contract	UBM-H100-S	Conventional Train	225 kN
2016	CA	Waterloo LRT	Waterloo LRT	UBM-H100-S	Tramway	130 kN
2016	IR	Iran Railways	Iran Bridge retrofit	UBM-H45-C	Freight Heavy rail	300 kN
2017	BE	Infrabel	Station Gent Sint Pieters	UBM-H35-S	Conventional Train	225 kN
2017		MIVB/STIB	Place de la Patrie	UBM-H60-S	Tramway	130 kN
2017	HU	MAV	Frame contract	UBM-H100-S	Conventional Train	225 kN
2017	TR	TCDD	Marmaray CR3	UBM-H45-C	Conventional Train	225 kN
2017	PL	PKP PLK	Line 95 Kraków Mydlniki - Podłęże	UBM-H45-C	Conventional Train	225 kN
2017	CA	GO Transit	Galt Re Construction	UBM-L10-S	Conventional Train	225 kN
2017		O-train	Ottawa Walkley Yard Rehab	UBM-H35-C	Tramway	130 kN
2017	PE	Metro Lima	Metro Lima - Ampliacion Linea 1	Special	Tramway	130 kN
2017	RO	CFR	Tunnels Sighisoara - Atel	UBM-H80-S	Conventional Train	225 kN
2018	BE	MIVB/STIB	Ligne 94 Bvd de la Woluwe	UBM-H60-S	Tramway	130 kN
2018	ES	TMB	Barcelona	UBM-H35-C	Metro	160 kN
2018	US	CSX	Virginia Ave. Tunnel (WDC)	UBM-H300-S	Heavy Haul	400 kN
2018	PL	PKP PLK	Railway Line 7 Pilawa - Dęblin	UBM-H45-C	Conventional Train	225 kN
2018	CA	Metrolinx	Stouffville Corridor Phase 2	UBM-L10-S	Conventional Train	225 kN



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2018		O-train	Montreal - Trillium Line	UBM-H35-C	Conventional Train	225 kN
2018	CN	Shanghai Metro	Shanghai L17	UBM-H25-C	Metro	160 kN
2019	BE	Infrabel	Tunnel de Veurs	UBM-H150-S	Conventional Train	225 kN
2019		MIVB/STIB	Place des Bienfaiteurs	UBM-H60-S	Tramway	130 kN
2019	AU	Rio Tinto	Tom Price	UBM-H300-S	Heavy Haul	400 kN
2019	CN	Guangzhou Metro	Guangzhou L18 & L22	UBM-H45-C	Metro	160 kN
2019	AR	Buenos Aires	Viaduct - FFCC San Martin	UBM-H300-S	Conventional Train	225 kN
						Total 859,015 m²

Note: Total quantities based on delivered quantities