



## Side scraper Twinrail slewing scraper with double slewing gear

No.	Purchaser	Location	Year	Type	Material handled	Bulk density t/m <sup>3</sup>
1-2	Hewitt-Robins Europa, Amsterdam for Mediterranean Fertilizer Industries A/S, Mersin	Mersin, Turkey	1970	ZWD-370/18	Fertilizer	0.95
3	RMK-Zenica Prijedor / Yugoslavia	Ljubja, Yugoslavia	1970	SK-400/16	Iron ore	1,1 - 1,3
4	Cementia Holding AG, Zürich, for COCISA Companhia de Cimento do Salvador S.A.	Salvador, Brazil	1972	SK-175/19	Lime	1,6 - 1,75
5	Sté. Générale des Minerais S.A., Bruxelles, for Société GECOMINES, Zaire	Kolwezi, Zaire	1972	ZWD-350/9	Granul. copper ore	4.6
6	F.L. Smidth, Lübeck for Zementwerk Cina Kimpese, Zaire	Kinshasa, Zaire	1972	SK-150/20	Limestone, Clay	1.4
7	BASF Badische Anilin- & Sodafabrik, Ludwigshafen	Ludwischafen, Germany	1973	ZWD-250/11	Fertilizer	0,9 - 1,1
8	Cimenterie Nationale S.A.L. Beirut / Libanon	Chekka, Libanon	1973	SK-100/16	Iron ore with clay	1.8
9	Kawasaki Heavy Industries Ltd. for Indonesia Cement	Indonesia	1973	SK-130/19	Limestone	1.6
10 - 11	F.L. Smidth, Copenhagen for Polimex-Cekop Warsaw / Poland	Gorazdze and Ozarow, Poland	1974 1975	SK-100/23	Gypsum, Siderite	1,3 - 1,6
12	Marubeni/Kawasaki Heavy Industries Ltd. Kobe, Japan for Teering Cement Plant	Indonesia	1974	SK-130/19	Limestone	1.6
13	Industria AG	Zimbabwe	1975	SK-180/23	Limestone	1.6
14 - 15	F.S. Smidth, London for Dubai Cement Works	Dubai	1975	SK-250/23	Sand, Iron ore, Bauxite	1,3 - 2,5
16	Marubeni/Kawasaki Düsseldorf for Cimenterie d'El Asnam, Algeria	El Asnam, Algeria	1975	SK-300/12	Limestone, Quartz, Ore	1,2 - 1,7

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17 - 18	Creusot Loire - Paris	Gemlik, Turkey	1975	ZWD-270/16,3	Ammonium nitrate	0.72
19 - 20	Creusot Loire - Paris	Beni-Saf Constantine, Algeria	1976	SK-150/18	Limestone, Gypsum	1.4
21	Marubeni/Kawasaki Düsseldorf	Saida, Algeria	1976	SK-100/14,25	Limestone, Clay	1.3
22	F.L. Smidth	Padang, Indonesia	1977	SK-250/200	Silika, Limestone	1,6 - 1,3
23 - 24	E. Tabbin Helwan A.R.E.	Tabbin, Egypt	1977	SK-650/16	Blast furnace slag	1.3
25 - 26	EI Tabbin Helwan A.R.E.	Tabbin, Egypt	1977	SK-650/20	Limestone, Sinter, Clay	1.3
27 - 28	Heurtey for Sepa	Gabes Tunisia	1978	SK-260/26	DAP	0.9
29 - 30	M. Belotti & Cie. for Unerg-Peronnes	Peronnes, Belgium	1980	SK-250/23	Coal	0.85
31 - 32	M. Belotti & Cie. for Unerg-Peronnes	Awirs, Belgium	1980	SK-335/23	Coal	0.85
33	Marubeni, Düsseldorf for Kawasaki Tokio	Zliten, Libya	1981	SK-160/23	Limestone, Ore	1,0 - 1,6
34	M. Belotti & Cie. for Unerg	Amercoeur, Belgium	1981	SK-300/23	Coal	0.85
35 - 36	Cimentos de Chihuahua, Mexico	Chihuahua, Mexico	1981	SK-220/22	Limestone, Marl	1.6
37	Anglo Alpha, South Africa	Simuma, South Africa	1981	SK-60/19	Iron ore, Shale	2,08 + 1,52



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38	Saudi Kuwaiti Cement Mfg. Co., Dammam / Saudi Arabia		1982	SK-400/18	Sand, Iron ore, Bauxite	1,6 2,6 1,6
39	Saudi Kuwaiti Cement Mfg. Co., Dammam / Saudi Arabia		1982	SK-200/18	Gypsum	1.3
40	Anglo Alpha Ltd., Sandton / R.S.A.		1982	SK-125/16,5	Limestone, Gypsum, Iron ore	1,5 1,5 2,0
41	Anglo Alpha Ltd., Sandton / R.S.A.		1982	SK-100/23	Coal	0.8
42 - 43	SFIE	Kafr-El-Zayat, Egypt	1985	RDK-80/2,4	Superphosphate	1.15
44	SFIE	A Syut, Egypt	1985	RDK-80/2,4	Superphosphate	1.15
45 - 46	Signal Energy Systems Inc. Zurn-Nepco	Anderson, California	1986	SK-130/25	Wood Chips	0.25
47	Anglo American Corp., Johannesburg for de Beers	Finsch Mine	1988	SK 300/10	Kimberlite fines	1.6
48	Cementos Maya S.A. Merida - Yucaton/Mexico		1989	SK-75/23	Sand, Clay	1.35
49	Kawasaki Heavy Industries Ltd. for Indonesia Cement	Beni-Suef, Egypt	1990	SK-700/23,5	Clay	1.35
50	Rourkela Steel plant	Rourkela	1992	SK-700/18	Coal	0.8
51	Cementos Nacionales	Dominican Republic	1994	SK-190/20	Clinker	1.5
52	Thai Petochemical Ind.	Polene, Thailand	1994	SK-400/23,3	Iron ore, Shale	2,8 1,4
53	Daewoo Cement Co. Ltd. Shandong / China		1994	SK-150/20	Sand, Iron ore	1,5 1,8

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54	Summit Cement	Cebu, Philippines	1995	SK-500/22,7	Limestone	1.4
55	Summit Cement	Cebu, Philippines	1995	SK-250/27	Coal	0.8
56	Egyptian Cement Co.	Egypt	1996	SK-300/18	Additives	1,4 - 1,8
57	Egyptian Cement Co.	Egypt	1996	SK-120/18	Additives	1,4 - 1,8
58	Thai Petrochemical Ind.	Polene Thailand	1997	SK-400/23,3	Iron ore Shale	1,4 - 1,8
59	Egyptian Cement Co.	Egypt	1998	SK-300/18	Additives	1,4 - 1,8
60	Southdown	Victorville, California, USA	1999	SK-	Coal	0.8
61	Egyptian Cement Co.	Egypt	2000	SK-300/18	Additives	1,4 - 1,8
62	Samancor	Meyerton Works South Africa	2000	SK-1500/25	Iron Ore	1.4 - 1.8
63 64	PIC Kuwait	Kuwait	2001	ZWD-250/16.75	Urea	0.75
65	PIC Kuwait	Kuwait	2001	ZWD-500/11.95	Urea	0.75
66	Cimenterie de Ain El Kebira	Ain El Kebira Algeria	2004	SK-150/21	Additives	0,9-1,45
67	Mazandaran Cement Co.	Iran	2004	SK-300/18.15	Additives	1.4 - 2.2
68	Egyptian Cement Co.	Egypt	2005	SK-300/18	Additives	1.4 - 1.8