



Engineering
made by ThyssenKrupp Fördertechnik

References Referenzen
Références Referencias

Schiffsbelader

Shiploaders

Chargeur de Bateaux

Cargedores de Buques

Translation	Übersetzung	Traduction	Traducción
Purchaser	Besteller	Client	Cliente
Location	Aufstellungsort	Lieu d'installation	Lugar de instalación
Year of construction	Baujahr	Année de construction	Año de construcción
Type of construction	Bauart	Type de construction	Tipo de construcción
Capacity t/h (Bags/h)	Leistung t/h (Säcke/h)	Débit t/h (sacs/h)	Capacidad t/h (sacos/h)
Material handled	Fördergut	Produits à manutentionne	Material a transportar
Ships size	Schiffsgröße	Dimension de navire	Dimensión de buque
Design features:	Bauart:	Type de construction:	Tipo de construcción:
FWL Longitudinal travelling	längsfahrbar	translation longitudinale	translación longitudinal
FWR Travelling quadrant	radialfahrbar	translation radiale	translación radial
FWLI Linear travelling	linear fahrbar	linéaire	lineal
ST Stationary	stationär	stationnaire	estacionario
B Bridge type	Brücke	pont	puente
SW Boom slewing	schwenkbar	orientable	giratorio
HW Boom luffing	Hubwerk	mécanisme de levage	mecanismo de elevación
VK Shuttle conveyor head	Vorschubkopf	tête rétractile	cabeza retráctil
OW Traversing carriage	Oberwagen	chariot supérieur	carro superior
L Bulk material	Losgut	Matière en vrac	Material a granel
S Bags, loose goods	Säcke, Stückgut	Sacs	Sacos
LS Combined for bulk and bags	Los- und Stückgut, kombiniert	Matière en vrac et sacs	Material a granel y sacos
Ships:	Schiffe:	Navires:	Buques:
Seagoing vessels	Hochseeschiffe	Navires de haute mer	Buques de alta mar
Coastal vessels	Küstenschiffe	Caboteurs	Barcos costeros
River barges	Flußschiffe	Bateaux fluviaux	Barcos fluviales

Referenzen der Unternehmen Demag, Polysius, O & K, Krupp India, PWH, PHB, Krupp Industrietechnik sowie der heutigen ThyssenKrupp Fördertechnik und ihrer Auslandsgesellschaften.

References of the companies Demag, Polysius, O & K, Krupp India, PWH, PHB, Krupp Industrietechnik as well as the ThyssenKrupp Fördertechnik of today and its foreign subsidiaries.

Um die Referenzliste übersichtlich zu halten, beginnt sie mit den Lieferungen aus dem Baujahr 1970.

In order to keep the reference list clear, it is starting with equipment , the year of construction of which was 1970.

Translation	Übersetzung	Traduction	Traducción
Material handled:	Fördergut:	Produit à manutentionner:	Material a transportar:
Alumina	Tonerde	Alumine	Alúmina
Amonium sulphate	Amoniumsulfat	Sulfate d'ammonium	Sulfato de amonio
Apatite	Apatit	Apatite	Apatita
Bauxite	Bauxit	Bauxite	Bauxita
Cement	Zement	Ciment	Cemento
Clinker	Klinker	Clinker	Clinker
Coal	Kohle	Charbon	Carbón
Coke	Koks	Coke	Coque
Coper concentrate	Kupferkonzentrat	Cuivre concentré	Concentrado de cobre
Crome ore	Chromerz	Minerai de chrome	Mineral de cromo
Fertilizer	Düngemittel	Engrais	Fertilizante
Fertilizer granulate	Düngemittel Granulat	Engrais granulé	Fertilizante granulados
Gold concentrate	Goldkonzentrat	Or concentré	Concentrado de oro
Grain	Getreide	Céréales	Cereales
Heavy soda	Schwer-Soda	Soude lourde	Sosa pesada
Iron ore	Eisenerz	Minerai de fer	Mineral de hierro
Kaolin	Kaolin	Kaolin	Caolín
Limestone	Kalkstein	Calcaire	Piedra caliza
Pellets	Pellets	Boulettes	Pellets
Petroleum coke	Petrolkoks	Coke de pétrole	Coque de petróleo
Phosphate	Phosphat	Phosphate	Fosfato
Potash	Kalisalz	Potasse	Sales potásicas
Pyrite	Pyrit	Pyrite	Pirita
Rice	Reis	Riz	Arroz
Rock salt	Steinsalz	Sel gemme	Sal gema
Rock phosphate	Steinphosphat	Phosphate pierreux	Piedra de fosfato
Salt	Salz	Sel	Sal
Sand (calcareous)	Sand (kalkhaltig)	Sable (calcaire)	Arena (calcáreo)
Sintermagnesite	Sintermagnesit	Magnésite frittée	Magnesita sinterizada
Soda ash	Soda-Asche	Cendre de soude	Ceniza de sosa
Stone coal	Steinkohle	Charbon	Carbón de piedra
Sugar	Zucker	Sucre	Azúcar
Sulphur	Schwefel	Sulfure	Sulfuro
Urea	Harnstoff	Urée	Urea
KCL	KCL	KCL	KCL
DAP	DAP	DAP	DAP
MAP	MAP	MAP	MAP

Shiploaders

No.	Purchaser	Location	Year of const.	Design features	Capacity t / h (Bags / h)	Material handled	Ships size DWT
1	Union Chimique Belge (UCB) Zandvoorde / Belgium	Zandvoorde Belgium	1970	FWL SW HW S	70 (1400 à 50 kg)	Fertilizers	River barges up to 14 m width
2	Nabalco Sydney / Australia	Gove Australia	1971	FWL HW VK L	2 200	Bauxite Alumina	60 000
3	Comp. des Bauxites de Guinée (CBG), Boké	Boké Guinea	1971	FWL HW VK L	4 200	Bauxite	35 000 - 65 000
4	Comalco Industries Pty. Ltd., Weipa / Australia	Weipa Australia	1971	FWL SW HW L	6 500	Bauxite	100 000
5	Terminals Salineiros de Rio Grande do Norte S.A. (Termisa) Rio de Janeiro / Brazil	Areira Branca Brazil	1971	FWR-B HW VK L	1 500	Rock salt	6 000 - 25 000
6 - 7	Nihon Ammonia Company Tokyo / Japan	Japan	1971	L	(2 000)	Fertilizers	
8 - 9	Puerto Autónome de Huelva	Huelva Spain	1971	FWL HW VK L	1 500	Pyrite	1 000 - 30 000
10	Aluminium Oxid Stade GmbH Hamburg	Stade Germany	1972	FWL SW-HW VK L	1 200	Alumina	Seagoing vessels
11	NV Koninklijke Nederlandse Soda Industrie Delfzijl / Netherlands	Delfzijl- Buitenhaven Netherlands	1972	FWR-B HW VK L	500	Salt	20 000

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12	Scalistiri-Magnesitwerk Athens / Greece	Mantoudi Greece	1972	FWR-B HW L	1 000	Sinter magnesite	20 000
13	Mineracoes Brasileiras Reunidas S.A. (M.B.R.)	Guaiba Island Brazil	1973	FWL SW-HW VK L	10 500	Iron ore, Pellets	150 000 - 300 000
14 - 15	Verenigd Overslagbedrijf Maasvlakte N.V. (VOM) Rotterdam / Netherlands	Maasvlakte Netherlands	1973	FWL HW VK L	7 000	Iron ore, coal	River barges and coastal vessels
16	AB Cementa Malmö / Sweden	Limhamn Sweden	1974	FWR-B HW L	1 000	Cement, Clinker	15 000 - 27 000
17	Cementos Especiales S.A. Madrid / Spain	Fuerteventura Spain	1974	ST SW VK L	1 200	Sand (calcareous)	3 000 - 5 000
18	Hierro Patagonico de Sierra Grande S.A. Minera Buenos Aires / Argentina	Punta Colorada Argentina	1975	FWR-B HW VK L	2 000	Iron ore pellets	10 000 -20 000
19	Centro Industrial de Aratu Bahia / Brazil	Caboto Brazil	1975	FWL HW VK L	2 400	Urea	100 000
20	Orba Corporation Fairfield / N.J. / USA	Superior USA	1975	FWL HW VK L	10 000	Coal	62 000
21	V/O Techmashimport Moscow / Russia	Odessa Russia	1976	FWL HW VK L	1 000	Urea	5 000 - 30 000

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22 - 24	V/O Techmashimport Moscow / Russia	Odessa Russia	1976	FWL HW VK S	100 (2000 à 50 kg)	Urea	5 000 - 25 000
25	V/O Techmashimport Moscow / Russia	Odessa Russia	1976	FWL HW VK S	500 (2000 à 50 kg)	Urea	5 000 - 30 000
26 - 27	V/O Techmashimport Moscow / Russia	Ventspils Russia	1976	FWL HW VK L	1 500	Potash	1 300 - 45 000
28 - 29	Gollin Holdings Ltd., Sydney / Australia	Port Waratah Australia	1976	FWL HW VK L	2 250	Coal	30 000 -120 000
30	The Hashemite Kingdom of Jordan Amman / Jordan	Aqaba Jordan	1976	FWL HW VK L	2 100	Phosphate	100 000
31	Canakkale Ciments Sanayii A. S. Turkey	Canakkale Turkey	1977	FWL SW-HW LS	500 (2000 à 50 kg)	Cement, Clinker	30 000
32	Canakkale Ciments Sanayii A. S. Turkey	Canakkale Turkey	1977	FWL SW-HW S	100 (2000 à 50 kg)	Cement	3 000
33 - 34	International Handling Amsterdam / Netherlands	Marsa el Brega Libya	1977	FWL SW-HW LS	500 (2700 à 50 kg)	Urea	25 000
35	Heurtey Industries Sepa-Gabes Tunisia	Gabes Tunisia	1978	FWL HW VK L	500	Fertilizers	10 000 - 50 000

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36	Trans Terminal Service (TTS) Dunkerque / France	Dunkerque France	1978	FWL SW-HW S	120 (1 800 - 2 400 à 50 or 100 kg)	Sugar	3 000 - 20 000
37	The Broken Hill Proprietary Company Ltd. Sydney	Gladstone Australia	1979	FWL HW VK L	4 000	Coal	25 000 - 120 000
38	LKAB Luossavaara-Kirunavaara A.B. Stockholm / Sweden	Narvik Norway	1979	ST SW VK L	800	Apatite	3 000 - 10 000
39 - 40	PIC	Kuwait	1979	FWL SW-HW LS	250 (2 400 à 50 kg)	Urea, Amonium sulphate	8 000 - 25 000
41 - 42	Spie-Batignolles, Paris / France	Aqaba Jordan	1979	FWL SW-HW L	2 000 1 500	KCL DAP/MAP	50 000
43	Portnet	Richards Bay South Africa	1979	FWLI HW L	2 500	Rock phosphate Chrome ore	20 000 - 80 000
44	Ruhrkohle AG, Essen / Germany	Duisburg Germany	1980	FWL SW-HW L	1 000 600	Coal, Coke	1 400 - 2 800
45	Dragados, Spain	La Coruna Spain	1980	FWL VK L	120	Petroleum coke	2 400
46	Copetro Buenos Aires / Argentina	La Plata Argentina	1980	FWL SW-HW L	600	Petroleum coke	20 000 - 35 000

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47 - 49	Fertimex, Mexico	Pajaritos Mexico	1980	FWL SW-HW S	330 (2 400 à 50 kg)	Urea	5 000 - 40 000
50 - 52	Fertimex, Mexico	Lazaro Cardenas Mexico	1981	FWL SW-HW S	440 (2 400 à 50 kg)	Urea	5 000 - 40 000
53 - 54	Royal Commission Jubail	Jubail Saudi Arabia	1981	FWL HW VK LS	350 (1 800 à 50 kg)	Urea	5 000 - 40 000
55	Riseria Guidotto, Bologna, Italy	Ravenna Italy	1981	FWL SW-HW S	75 (1 500 à 50 kg)	Rice	3 000 - 10 000
56 - 57	Abu Dhabi National Oil Co. ADNOC, Fertil	Ruwais Abu Dhabi United Arab. Emirates	1981	FWL SW-HW LS	400 (2 000 à 50 kg)	Fertilizer granulate	25 000
58	Trans Terminal Service Dunkerque / France	Dunkerque France	1981	FWL SW-HW S	120 (1 800 - 2 400 à 50 or 100 kg)	Sugar	3 000 - 20 000
59	Kuwait National Petroleum Co. KNPC Kuwait	Mina el-Ahmadi Kuwait	1982	FWL SW-HW L	400	Sulphur	16 000
60	Europees Massagoed Overslagbedrijf (EMO) Rotterdam	Maasvlakte Netherlands	1982	FWL HW VK LS	6 000 5 500	Iron ore, Coal	3 000 - 150 000
61	N.V. Stocatra SA Antwerpen / Belgium	Antwerpen Belgium	1982	FWL HW VK L	3 000 1 500	Iron ore, Coal	6 000

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62	Kobe Steel Japan	Bintulu Malaysia	1983	FWL SW-HW VK LS	440 (2400 à 50 kg)	Urea	20 000
63	Dominion Bridge Engineers Canada	Tarahan Indonesia	1983	FWL HW VK L	4 500	Coal	9 200 - 40 000
64	The Queensland Cement & Lime Co. Ltd.	Gladstone Australia	1983	FWR HW VK L	2 000	Cement, Clinker	11 000 - 25 000
65	Port Waratah Coal Services Newcastle / Australia	Port Waratah Australia	1983	FWL HW VK L	2 500	Coal	30 000 - 120 000
66	Kooragang Coal Loader Ltd.	Port Waratah Australia	1983	FWL-B HW VK L	10 500	Coal	40 000 - 180 000
67	RBCT	Richards Bay South Africa	1983	FWLI HW L	10 000	Coal	20 000 - 195 000
68	General Organisation for Phosphates and Mines	Tartous Syria	1985	FWL HW VK L	1 000	Phosphate	25 000
69	Ports Corporation Aqaba	Aqaba Jordan	1985	ST HW VK L	1 000	Phosphate	20 000
70 - 71	Transimpex Foreign Trade Organization Sofia	Varna Bulgarija	1986	FWL SW-HW VK LS	400 (2 400 à 50 kg)	Soda ash, Heavy Soda	5 000 - 25 000

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72	Bulk Grains Queensland	Brisbane Australia	1986	FWL SW-HW L	2 200	Grain	80 000
73	Comalco Industries Pty. Ltd. Weipa / Australia	Weipa Australia	1986	FWLI VK L	800	Kaolin	20 000
74 - 76	China National Technical Import Corp. Beijing / China	Qinhuangdao China	1987	FWL HW VK L	6 500	Coal	16 000 - 100 000
77 - 78	Machinoimport Moscow / Russia	Vostochny Russia	1990	FWL HW VK L	3 600	Coal	5 000 - 96 000
79 - 80	PT-Kaltim-Prima-Coal	Tanjung Bara Indonesia	1990	FWR-B HW VK L	4 200	Coal	30 000 - 180 000
81	V / O Techmashimport Moscow / Russia	Odessa Russia	1990	FWL HW VK L	1 000	Urea	10 000 -50 000
82	Europees Massagoed Overslagbedrijf (EMO) Rotterdam / Netherlands	Maavslakte Netherlands	1991	FWL HW VK L	7 000 5 000	Coal, Iron ore	Coastal Vessels
83 - 84	National Chemical Fertilizer Company IBN-AL-Baytar Al Jubail	Al Jubail Saudi Arabia	1991	FWL SW-HW S	400 (2 000 à 50 kg)	Urea	5 000 - 50 000
85	P.T. Arutmin Indonesia	Arutmin Indonesia	1991	FWL HW VK L	4 800	Coal	10 000 -150 000

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86	Lagoven S.A.	Amuay Venezuela	1992	FWLI OW L	1 100	Petroleum coke	20 000 - 60 000
87 - 88	Safco Al Jubail	Al Jubail Saudi Arabia	1992	FWL SW-HW LS	350 (1 800 à 50 kg)	Urea	5 000 - 50 000
89	Maraven S.A.	Cardon Venezuela	1993	FWLI HW OW L	2 000	Coke	30 000 - 60 000
90	N.I.S.C. Bandar Abbas	Bandar Abbas Iran	1993	FWL SW-HW VK L	3 350	Iron Ore	30 000 - 60 000
91	Qatar Liquefied Gas	Qatar	1994	FWL HW VK L	1 200	Sulphur	40 000
92	Kooragang Coal Leader Ltd.	Port Waratah Australia	1994	FWL HW VK L	10 500	Coal	250 000
93	Alumbrera	Rosario Argentina	1996	ST SW-HW VK L	1 400	Coper and gold concentrate	60 000
94 - 95	Ssang Yong	Dong-Hae Korea	1997	FWL SW-HW L	2 200	Limestone	50 000
96	Los Angeles Export Terminal	Los Angeles USA	1997	FWL HW VK L	9 000	Coal	250 000

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97	Pacific Coast Terminals	Vancouver Canada	1997	FWR L	5 000	Sulphur	
98	Collahuasi	Iquique Chile	1997	FWR L	1 350	Copper concentrate	
99 - 100	Copersucar	Santos Brazil	1998	FWL HW VK LS	1 000 (3000 à 50 kg)	Sugar	30 000
101	JV Transinvestservice	Yuzhny Ukraine	1998	FWL SW HW L	600	Fertilizer	5000 - 50 000
102	SFCL	Jebel Ali Free Zone, UAE	1999	FWL SW HW	500	Urea prills	35 000
103	Snampro Techint	Bahia Blanca, Argentina	1999	FWL SW HW	1 250	Urea granules	60 000
104 - 105	Paradip Port Trust	Paradip, India	1999	FWL SW HW VK	4 000	Coal	90 000
106	Alstom Automation Ltd.	Tianjian Coal Terminal Tianjin Port China	2000	FWL HW VK L	6 800	Coal	16 000 - 50 000
107	Coastal Aruba Refining Co., N.V.	San Nicolas, Aruba	2000	ST SW VK L	2 000	Petroleum Coke	65 000
108	Hovensa L.L.C	St. Croix U.S. Virgin Islands	2001	FWR HW L	1 700	Green Coke	30 000 - 65 000
109	Neptune Bulk Terminals	Vancouver Canada	2001	FWL HW VK L	2 500	Potash and Agricultural Products	6 000 - 50 000

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110	Port Waratah Coal Services Newcastle / Australia	New South Whales Australia	2001	FWL HW VK L	10 500	Coal	up to 120 000
110	China Harbour Engineering Co. (Group) Beijing / China	Tianjian Coal Terminal Tianjin Port China	2002	FWL HW VK L	6 800	Coal	25 000 - 100 000
111	Port of Fujairah Fujairah U.A.E.	Port of Fujairah U.A.E.	2002	FWL HW VK L	2 000	Limestone Aggregate	35 000 - 80 000
112 - 113	Petrochemical Industrial Co. Kuwait	Kuwait	2002	FWL SW-HW LS	500 (2 400 à 50 kg)	Urea, Amonium sulphate	8 000 - 40 000
114	QAFCO Qatar via Uhde GmbH, Germany	Qatar	2003	FWL SW HW	1 100	Urea	5 000 - 40 000
115 116 117	China Harbour Engineering Co. (Group) - CHEC Beijing / China	Huanghua Coal Terminal China	2003	FWL HW VK L	6 800	Coal	25 000 - 120 000
118 119	China Harbour Engineering Co. (Group) Beijing / China	Tianjin Nanjiang Terminal, Tianjin Port, China	2004	FWL HW VK L	6 800	Coal	25 000 - 200 000
120	Coal Terminal A.S. Tallinn, Estonia	Port of Muuga, Tallinn, Estonia	2004	FWL HW VK L	2 000	Coal	5 000 - 145 000
121 122	South African Port Authority	Saldanha Bay, Western Cape, South Africa	2004	FWL HW VK L	10 000t/h	Iron Ore	365 000
123 124	Qinhuangdao Port Group Ltd., Qinhuangdao, China	Port of Qinhuangdao, China	2005	FWL HW VK L	9200	Coal	20 000 - 150 000

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125 126	Qinhuangdao Port Group Ltd., Qinhuangdao, China	Port of Qinhuangdao, China	2006	FWL SW HW VK L	9200	Coal	20 000 - 150 000
127 128 129	China Huadian Engineering Co., Beijing / China for Shenhua Tianjin Coal Terminal	Tianjin Port, China	2006	FWL HW VK L	6 800	Coal	25 000 - 150 000



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