

**PT RBK INTERNATIONAL
INDONESIA**

RUBBEX CONVEYORS & ENGINEERING

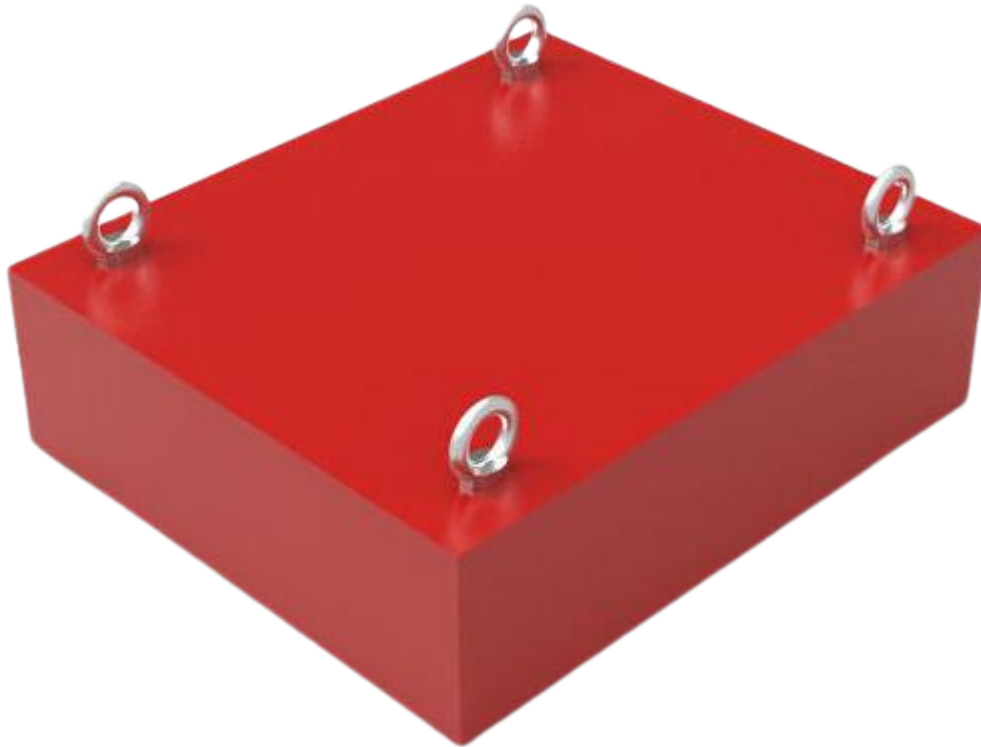
MAGNETIC SEPARATOR

RCYB SERIES & RCYD SERIES

Jl. DR Anak Agung Gde Agung, Lot#5.1, Mega Kuningan
Jakarta Selatan.Indonesia. 12950

www.rubbexconveyor.com
sales@rubbexconveyors.com
+62 822-5254-9696 (Director)
+91 6309 758 973 (BDM)
+62 821-5995-4676 (Admin)





Introduction

The RCYB over band magnetic separator adopts high gauss intensity conveyor over band neodymium magnetic high coercive force, high remanence NdFeB to form integrated magnet system, robust in design & known as-metal magnet separator. which is suitable for continuous duty occasions where ferrous contamination is low. when the metal pass from under magnets, iron pieces are extracted from the flow of convey material. Also available in electro magnetic design, can be installed ahead of jaw cone crusher to ensure normal & safe operation of the next-step equipment. Yes, it plays a role of reliable protection for roller press ,grinding machine, etc..

Advantage features

- (1), 20 years experiences in design and manufacture of magnetic separator.
- (2),CNC machine tools and machining center.
- (3),the wholly sealed structure makes the magnet separator water-proof and corrosion resisting.
- (4),ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015
- (5),easy to install and convenient to operate , with maintenance.

Configuration Options

(1), To avoid frequent manual cleaning, the dry cross/ inline magnetic belt separator is recommended, where there is highly contaminated material. (2), Adopt shield shielding material enclosed upon magnet, to make the magnetic flux focus on the ferrous object, thus achieving a deep penetrating magnetic field, MAX attraction force can be up to 45kgs. (3), flexible in design for low cost and compact devices.



Technical Data

(1), NATIONAL STANDARD



Model No	Belt width mm	Rated suspension height h≤mm	Magnetic strength ≥mT	Belt speed ≤m/s	Burden depth ≤mm	weight kg	Dimension mm		
							L	D	H
RCYB-4	400	125	60MT	2.5	60	100	400	300	230
RCYB-5	500	150	70MT		90	165	500	300	260
RCYB-6	600	180	70MT		120	230	600	400	280
RCYB-6.5	650	200	70MT		150	380	650	500	310
RCYB-8	800	250	70MT		200	550	800	600	320
RCYB-10	1000	300	70MT		250	750	1000	800	380
RCYB-12	1200	350	70MT		300	1300	1200	1000	380
RCYB-14	1400	400	70MT		350	1500	1400	1200	380
RCYB-16	1600	400	70MT		400	1700	1600	1400	380

(2) EXTRO REINFORCED MAGNETIC STRENGTH

Model No.		Belt width mm	Suspension height h≤mm	Magnetic strength ≥mT	Belt speed ≤m/s	Burden depth ≤mm	weight kg	Dimension mm		
								L	D	H
RCYB-4	T1	400	125	90MT	4.5	60	100	400	300	230
	T2			120MT				400	300	260
	T3			150MT				400	300	280
RCYB-5	T1	500	150	90MT		90	165	500	300	260
	T2			120MT				500	300	280
	T3			150MT				500	300	310
RCYB-6	T1	600	180	90MT		120	230	600	400	280
	T2			120MT				600	400	310
	T3			150MT				600	400	330
RCYB-6.5	T1	650	200	90MT		150	380	650	500	310
	T2			120MT				650	500	330
	T3			150MT				650	500	370
RCYB-8	T1	800	250	90MT		200	550	800	600	320
	T2			120MT				800	600	340
	T3			150MT				800	600	380
RCYB-10	T1	1000	300	90MT		250	750	1000	800	380
	T2			120MT				1000	800	400
	T3			150MT				1000	800	440
RCYB-12	T1	1200	350	90MT		300	1300	1200	1000	380
	T2			120MT				1200	1000	400
	T3			150MT				1200	1000	440

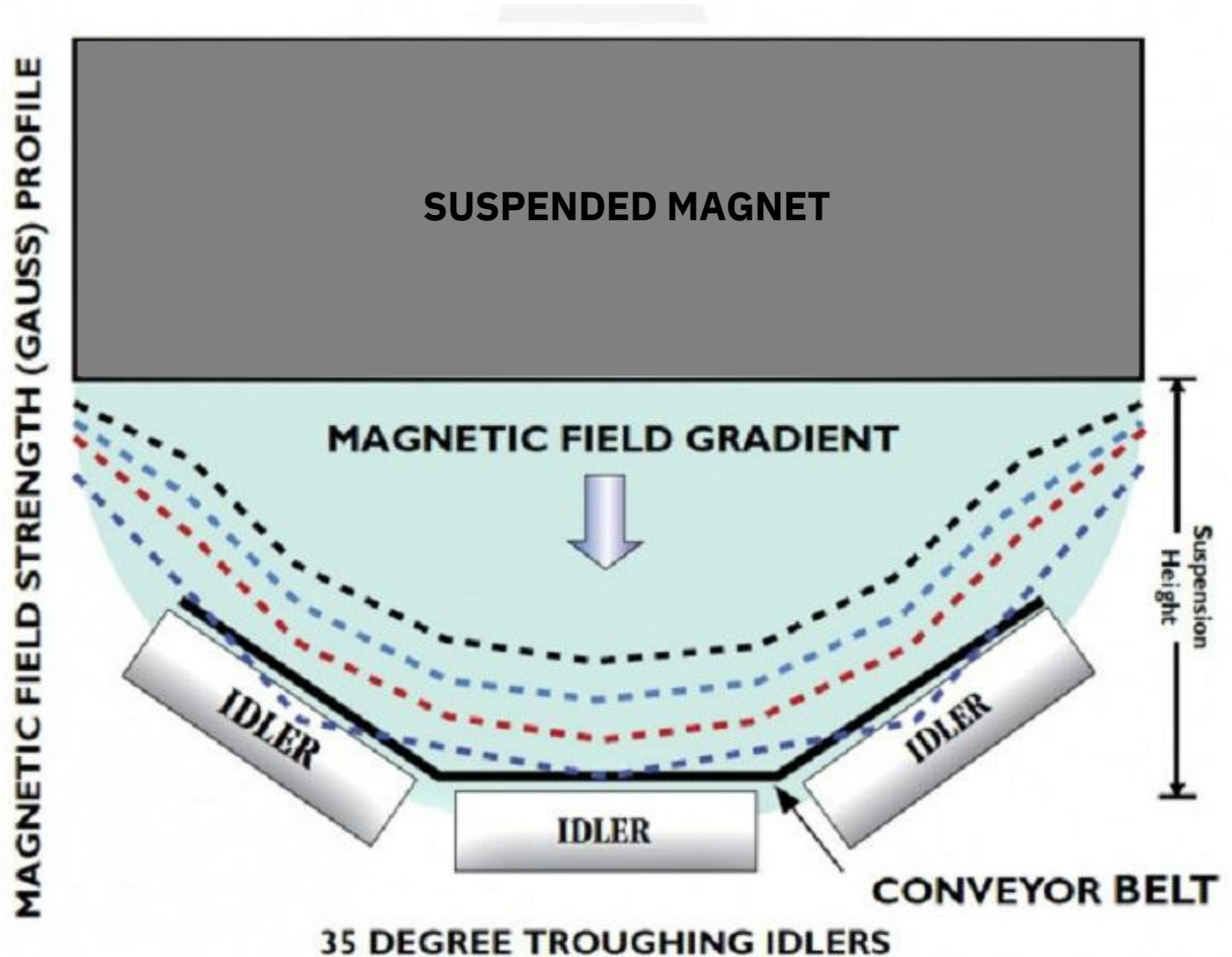
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RCYB-14	T1	1400	400	90MT		350	1500	1400	1200	380
	T2			120MT				1400	1200	400
	T3			150MT				1400	1200	440
RCYB-16	T1	1600	400	90MT		400	1700	1600	1400	380
	T2			120MT				1600	1400	400
	T3			150MT				1600	1400	440

Technology and Design



STOCK WAREHOUSE



PHOTOS REFERENCE



INSTALLATION PROJECTS



EQUIPMENT'S AND MACHINERY

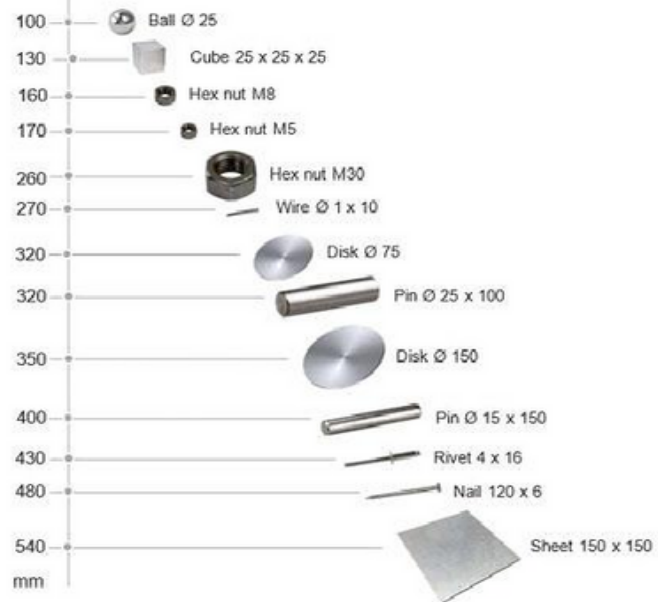


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RCYD series magnetic separator



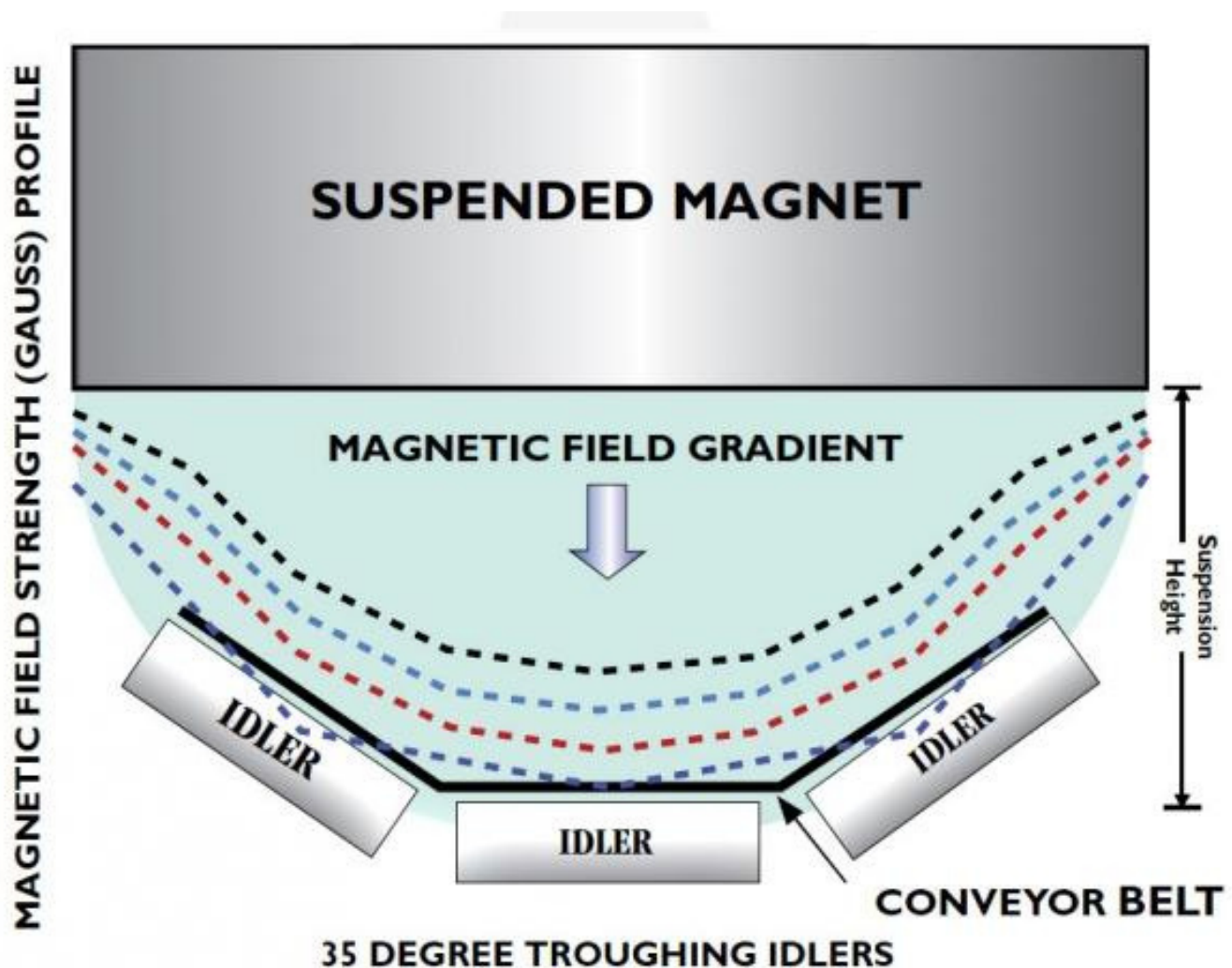
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INTRODUCTION

Suspended transversely and longitudinally over the belt conveyor, vibrato feeder and vibratory conveyor, it is designed to extract and separate the tramp metal automatically and continuously in heavy duty occasions, which provides effective removal of unwanted contaminants and protects your subsequent machinery (shredder, crusher, mill, grinder). Similar to manual clean RCYB series, RCYD incorporates a set of pulleys along with a motor and reducer to drive a cleat belt around the magnet assembly. When the material on the conveyor passes underneath the magnetic field, due to extremely powerful and long-reaching magnetic flux, ferrous metal is attracted to the rubber belt surface allowing the "cleared" material continue along the conveyor, the magnet system will retain the tramp metal until it leaves its magnetic field and discharged to the collection area. Thus high reparation is achieved.

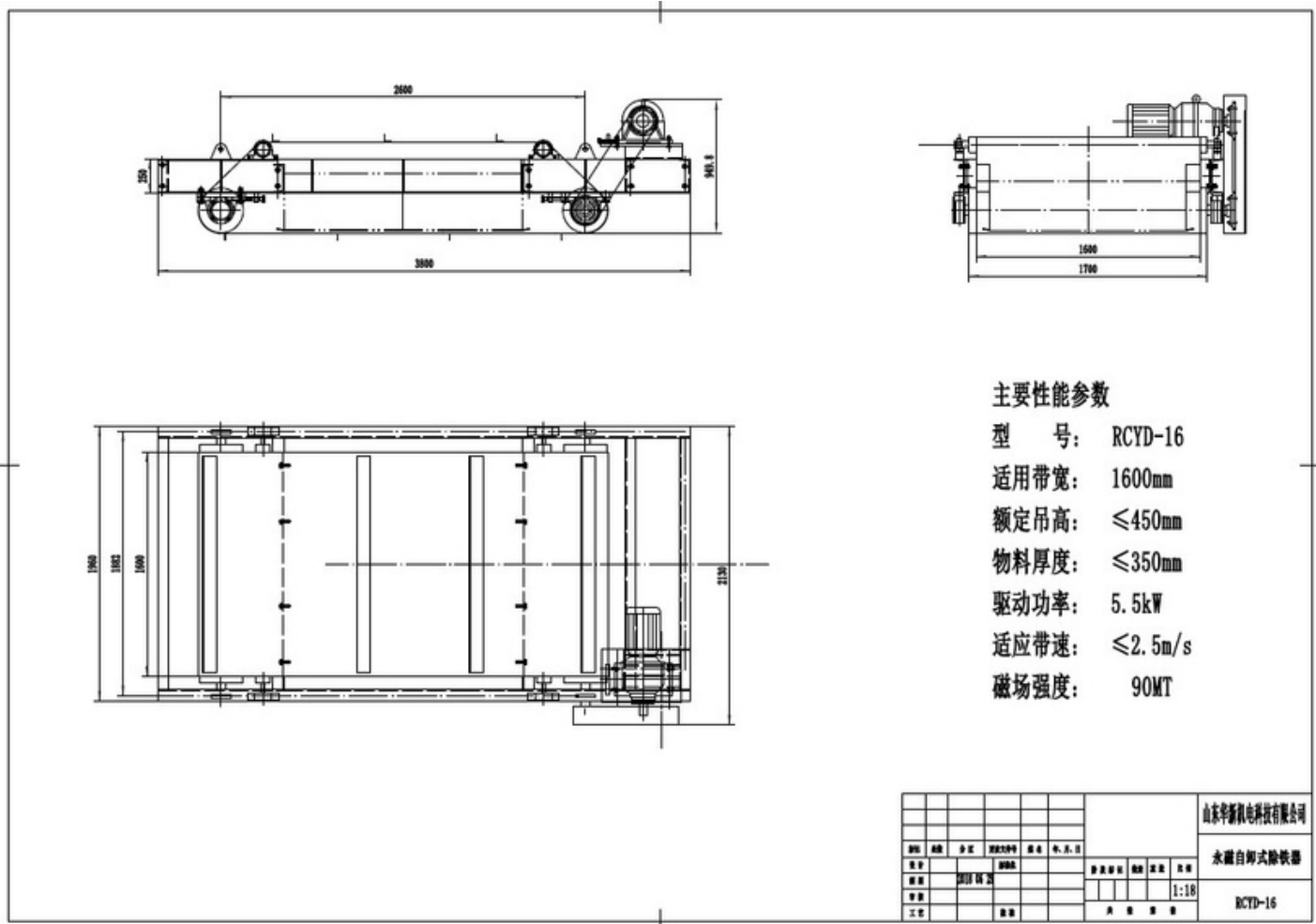


TECHNICAL DATA

model		width mm	RSH (Rated Suspension Height) mm	Magnetic intensity ≈mT	Drive power (KW)	Overall size mm			Belt speed ≤m/s	weight kg
						L	W	H		
RCYD(C)-6.5	T1	650	200	90	2.2	2160	1075	795	4.5	1300
	T2			120	2.2	2160	1075	795		1420
	T3			150	2.2	2310	1075	795		1750
RCYD(C)-8	T1	800	250	90	2.2	2350	1280	795	4.5	1920
	T2			120	2.2	2350	1280	795		2180
	T3			150	3.0	2520	1253	795		2820
RCYD(C)-10	T1	1000	300	90	3.0	2660	1540	950	4.5	2350
	T2			120	3.0	2660	1540	950		2700
	T3			150	4.0	2760	1540	950		3680
RCYD(C)-12	T1	1200	350	90	4.0	2900	1730	970	4.5	3250
	T2			120	4.0	2900	1730	970		4100
	T3			150	5.5	2900	1730	970		5150
RCYD(C)-14	T1	1400	400	90	4.0	2900	1730	970	4.5	4800
	T2			120	5.5	3225	1980	1180		5600
	T3			150	5.5	3340	1980	1180		7450
RCYD(C)-16	T1	1600	450	90	5.5	3450	2210	1180	4.5	6200
	T2			120	5.5	3450	2210	1180		7750
	T3			150	7.5	3620	2210	1180		1038
RCYD(C)-18	T1	1800	500	90	7.5	3825	2570	1180	4.5	8500
	T2			120	7.5	3825	2570	1180		10850
	T3			150	11.0	4025	2570	1270		14800
RCYD(C)-20	T1	2000	550	90	7.5	4275	2570	1180	4.5	11500
	T2			120	11.0	4275	2570	1250		14270
	T3			150	11.0	4540	2670	1250		19260
RCYD(C)-22	T1	2200	600	90	11.0	4810	2820	1250	4.5	13980
	T2			120	11.0	4810	2820	1250		18350
	T3			150	15.0	4810	2820	1350		25080
RCYD(C)-24	T1	2400	650	90	15.0	5280	3180	1250	4.5	18760
	T2			120	15.0	5280	3180	1350		23870
	T3			150	15.0	5280	3180	1350		29960



DESIGN DRAWINGS



SHIPMENTS



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CASE PROJECTS



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