



# MATERIAL HANDLING





# MATERIAL HANDLING TABLE OF CONTENTS

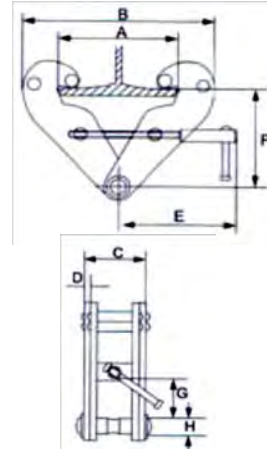
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## Beam Clamps



Beam Clamps Model #	Test Load (kN)	Capacity Tons	Weight (lbs/pc)	Product Code
VBC-1	14.71	1	9.9	38560001
VBC-2	29.42	2	11	38560002
VBC-3	44.13	3	23	38560003
VBC-5	61.92	5	24	38560005
VBC-10	125.00	10	35	38560010

Model		VBC 1	VBC 2	VBC 3	VBC 5	VBC 10
Flange width	mm	75-220	75-220	80-320	80-320	80-350
	A(max.)	260	260	354	354	400
	B(min.)	180	180	235	235	250
	B(max.)	360	360	490	490	520
	C	64	74	103	110	120
Dimensions	D	5	6	8	10	12
mm	E	215	215	260	260	280
	F(max.)	155	155	225	225	230
	F(min.)	102	102	140	140	160
	G(min.)	25	25	45	45	70
	H	22	22	24	28	44



**Installation:** The installation of beam clamps must be performed by qualified riggers.

To attach clamps to a beam, open the jaws, slide the clamp over the flange and tighten the locking bar.

**WARNING: FAILURE TO OBSERVE THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH !**

These Beam clamps are designed as an Anchor Point for Straight Vertical Lifts only and **MUST NOT BE USED** in case of side pulls or where the angle of the vertical lift exceeds 3 degrees.

**NEVER EXCEED WORKING LOAD LIMITS**

**NEVER LIFT LOADS OVER PEOPLE**

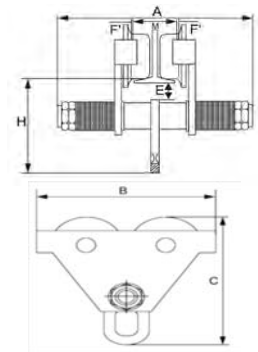
**DO NOT USE** these beam clamps:

- \* unless the beams have been tested and approved for attaching lifting devices
- \* unless the size range of the clamp corresponds with the size of the beam flange
- \* without making sure that they are fully tightened and properly engaged to support the load
- \* without making sure that the beams' load rating exceeds the load rating of the beam clamp
- \* without closely inspecting the signs of wear or damage prior to use
- \* if the load swings during the lifting operation

# Push Trolleys



Push Trolley Model #	I-Beam Width mm	Width Inches	Dimensions				Capacity Tons	Weight (lbs/pc)	Product Code
			A	B	C	H			
VPT-F 12	58-220	1.96-8.66	11.22	7.800	6.22	2.54	1	11	38570005
VPT-F 1	58-220	1.96-8.66	11.22	9.370	7.20	2.60	1	19	38570010
VPT-F 2	66-220	2.60-8.66	11.81	10.900	8.19	2.95	2	31	38570020
VPT-F 3	74-220	2.91-8.66	12.64	12.750	9.80	3.35	3	52	38570030
VPT-F 5	90-220	3.54-8.66	13.64	14.685	11.67	3.94	5	88	38570050



**NEVER EXCEED WORKING LOAD LIMITS**

During use, the accidental impacts or snagging of the loads being handled with surrounding objects may overload the units.

**ALWAYS REMAIN AWARE OF YOUR SURROUNDINGS.**

**NEVER** modify the equipment

**NEVER** side pull the loads, and always ensure to center the equipment above the load before lifting it

**DO NOT** constantly use the end plates as a means of stopping

**DO NOT USE** these push trolleys:

- \* Unless the beam has been tested and approved for attaching lifting devices.
- \* Unless the size range of the push trolley corresponds with the size of the beam.
- \* Without making sure that the beam capacity exceeds the load rating of the push trolley.
- \* Without making sure that the push trolley is fully tightened and correctly engaged to the beam.

**INSTALLATION:**

Ensure that all safety regulations are complied with during installation (use of safety harnesses, evacuation of the areas, warning signs. . .etc.)

Measure the actual width of the beam.

When required, assemble the correct number of spacer washers equally on both sides, to the inside of the trolley side plates. Make sure that the swivel hanger pin trolley wheels are 6 mm greater than the runway beam width.

**SLOWLY** run the unit along the full length of the structure/runway beam. To ensure safe factory operations, make all necessary adjustments **BEFORE** applying any load.

**WARNING: FAILURE TO OBSERVE THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH !**

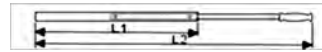
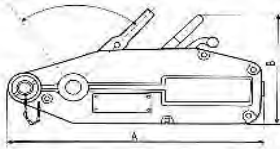


## Cable Pullers

Multifunctional wire rope hoist system lifts and tows in different work areas. Heavy-duty design with aluminum-alloy housing and auto-adjusting device allows for required rope length (up to 65 feet).



Cable Puller	Model	VH-008	VH-016	VH-032
	Product Code	38600008	38600016	38600032
Lifting Capacity (kg)		800	1600	3200
Rated Pulling Capacity (kg)		1250	2500	5000
Rope Advance per Full Stroke (mm)		60	60	40
Lever pull at WLL (kg)		25	30	50
Rope Diameter (mm)		8.3 mm	11 mm	16 mm
Standard Rope Length (ft) Supplied Extra		66	66	66
Net Weight Without Cable (lb)		15	31	51



Dimensions (cm)					
Model	A	B	C	L 1	L 2
VH-008	426	235	84		80
VH-016	545	280	97	80	120
VH-032	660	325	116	80	120

### Galvanized Wire Rope for Cable Puller C/W Alloy Hook & Latch Kit

Model	Size	Length	Weight-lbs	Product Code
VH-008-66-20	8.3 mm	66 ft	16	38600108
VH-016-66-28	11 mm	66 ft	30	38600116
VH-032-66-40	16 mm	66 ft	46	38600132



**Supplied with Aluminum Body, Steel body available on request**

The hoist has low maintenance requirements and ease of service. Overload protection endures high personal safety when in operation. Specially built in shear pins can be replaced without removing the load. All Hoists are supplied with an extendable operating lever



## Gold Series Chain Hoists

Gold Series Hoists, designed for the most demanding construction and mining application. The Choice of hoist for "PROFESSIONALS" Proof tested at 1.5 times the WLL



Chain Hoist							
Model #	Lift ft.	Rating Tons		Capacity (lbs)	Load Chain	Weight (lbs/pc)	Product Code
VCHP-12	10	1/2		1,000	5 x 15	14.45	38501005E
VCHP-1	10	1		2,000	6 x 18	21.35	38501010E
VCHP-112	10	1-1/2		3,000	7 x 21	37.50	38501015E
VCHP-2	10	2		4,000	8 x 24	46.70	38501020E
VCHP-3	10	3		6,000	10 x 30	70.50	38501030E
VCHP-5	10	5		10,000	10 x 30	90.55	38501050E



VCHP-12	20	1/2		1,000	5 x 15	17.75	38502005E
VCHP-1	20	1		2,000	6 x 18	26.60	38502010E
VCHP-112	20	1-1/2		3,000	7 x 21	44.45	38502015E
VCHP-2	20	2		4,000	8 x 24	53.60	38502020E
VCHP-3	20	3		6,000	10 x 30	84.70	38502030E
VCHP-5	20	5		10,000	10 x 30	118.95	38502050E

### Parts for "Gold" Series Chain Hoists

		1/2 Ton	1 Ton	1-1/2 Ton	2 Ton	3 Ton	5 Ton
Load Chain	Dimension (mm)	5 x 15	6 x 18	7 x 21	8 x 24	10 x 30	10 x 30
	Part Number	38580515	38580618	38580721	38580824	38581030	38581030
	Weight (lbs/ft)	0.24	0.37	0.52	0.71	1.46	1.46
Bottom Hook Assembly *		38506005E	38506010E	38506015E	38506020E	38506030E	38506050E
Latch Kit		38505005E	38505010E	38505015E	38505020E	38505030E	38505050E
Friction Discs (asbestos Free)		38507005E	38507010E	38507015E	38507020E	38507030E	38507050E

\* Top & Bottom Hook assemblies come C/W Cast Latch.

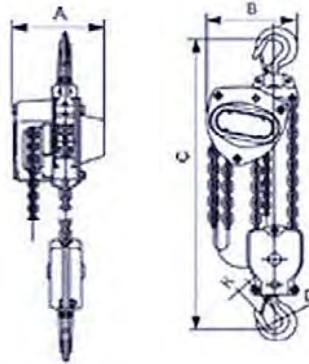
7-1/2, 10, 20 and 25 ton are also available as a special order from our factory.

**WARNING: NEVER EXCEED WORKING LOAD LIMITS!**

Vanguard Steel Ltd.



## Gold Series Chain Hoists



Model		VCH-12	VCH-1	VCH-112	VCH-2	VCH-3	VCH-5
Capacity	Tons	0.50	1.00	1.50	2.00	3.00	5.00
Proof Load	kN	3.75	7.50	15.00	22.50	30.00	75
Effort (max. lift)	N	240	250	265	335	372	360
# of falls, load chain		1	1	1	1	1	2
Load Chain	mm	5 x 15	6 x 18	7 x 21	8 x 24	10 x 30	10 x 30
Dimensions (mm)	A	132	151	173	175	205	205
	B	148	172	196	210	255	255
	C	345	376	442	470	548	548
	D	35	40	45	50	55	55
	K	23	27	33	35	39	39

Special Features	<ul style="list-style-type: none"> <li>Compact design</li> <li>Optional Gear Ratio</li> <li>Sealed Bearings</li> <li>Automatic brake engagement holding load at any desired height.</li> <li>Double pawl for increased safety and easier adjustment</li> <li>Extra thick heavy duty friction discs (free of asbestos) for increased service life and reliability</li> <li>Extra thick heavy duty gears</li> <li>Rubber hand grip for greater operator and comfort</li> <li>Forged top and bottom hooks c/w latches, that rotate 360 °</li> <li>Hooks are designed to stretch when overloaded before chain failure</li> <li><b>Proof tested at 1.5 times the WLL</b></li> </ul>	<ul style="list-style-type: none"> <li>Overload Protection</li> <li>Alloy load chain</li> <li>Articulating top hook</li> </ul>
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**WARNING: NEVER EXCEED WORKING LOAD LIMITS!**

Vanguard Steel Ltd. \_\_\_\_\_



## Gold Series Lever Hoists

Gold Series Hoists, designed for the most demanding construction and mining application.  
 The Choice of hoist for "PROFESSIONALS"  
 ASME B30.21



Lever Hoist								
Model #	Lift ft.	Rating Tons		Capacity (lbs)		Load Chain	Weight (lbs/pc)	Product Code
VLHP 14	5	1/4		500		5 x 15	4.60	38550502E
VLHP 12	5	1/2		1,000		6 x 18	11.70	38550505E
VLHP-34	5	3/4		1,500		6 x 18	14.40	38550507E
VLHP-112	5	1-1/2		3,000		7 x 21	22.50	38550515E
VLHP-3	5	3		6,000		10 x 30	48.50	38550530E
VLHP-6	5	6		12,000		10 x 30	74.90	38550560E
VLHP 14	10	1/4		500		5 x 15	8.00	38551002E
VLHP-12	10	1/2		1,000		5 x 15	13.50	38551005E
VLHP-34	10	3/4		1,500		6 x 18	17.00	38551007E
VLHP-112	10	1-1/2		3,000		7 x 21	26.00	38551015E
VLHP-2	10	2		4,000		8 x 24	55.80	38551020E
VLHP-3	10	3		6,000		10 x 30	84.70	38551030E
VLHP-5	10	5		10,000		10 x 30	118.95	38551050E

### Parts for "Gold" Series Lever Hoists

		VLHP 14	VLHP 12	VLHP 34	VLHP 112	VLHP 3	VLHP 6
Load Chain	Dimension (mm)	4 x 12	5 x 15	6 x 18	7 x 21	10 x 30	10 x 30
	Part Number	38580412	38580515	38580618	38580724	38581030	38581030
	Weight (lbs/ft)	0.24	0.37	0.52	0.71	1.46	1.46
Bottom Hook Assembly *		38556002E	38556005E	38556007E	38556015E	38556030E	38556060E
Top Hook Assembly *		38555002E	38555005E	38555007E	38555015E	38555030E	38555060E
Latch Kit		385598002E	385598005E	385598007E	385598015E	385598030E	385598050E
Friction Discs (asbestos Free)			38557005E	38557007E	38557015E	38557030E	38557060E
Handle				38558007E	38558015E	38558030E	38558060E
Square Cast Ring		385593002E	385593002E	385593002E	385593015E	385593030E	385593030E

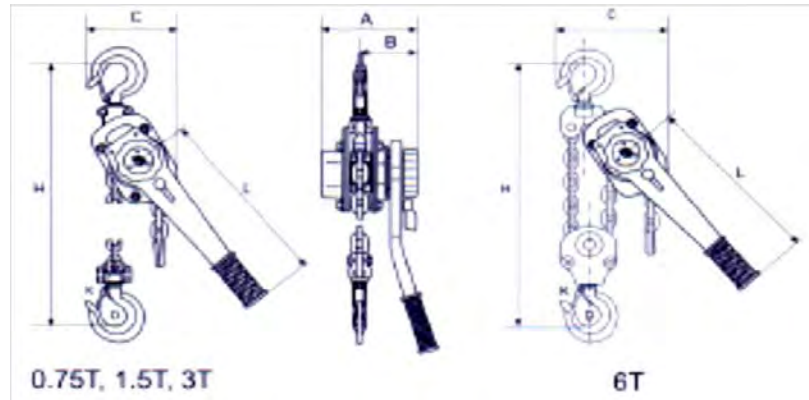
\* Top and Bottom Hook Assemblies come complete with Cast Latches

**WARNING: NEVER EXCEED WORKING LOAD LIMITS!**





## Gold Series Lever Hoists



Model		VLPH						
		14	12	34	112	3	6	9 **
Capacity	Tons	0.25	0.50	0.75	1.50	3.00	6.00	9.00
Proof Load	kN	3.7	7.50	11.25	22.00	45.00	90	135.00
Effort (max. lift)	N	282	248	265	295	335	370	420
# of falls, load chain		1	1	1	1	1	2	3
Load Chain	mm	4 x 12	5 x 15	6 x 18	7 x 21	10 x 30	10 x 30	10 x 30
Dimensions	A	92	143	148	173	200	200	200
	(mm)	B	71	86	87	99	112	112
	C	70	118	132	145	199	230	338
	D	31	31.5	35.5	42.5	50	53	67
	H	245	300	330	400	520	640	770
	L	168	253	278	378	388	388	489
	K	20	24	27	33.5	40	42.5	53

\*\* 9T unit is not a standard stock item

Special Features	<ul style="list-style-type: none"> <li>Compact design</li> <li>Optimal Gear Ratio</li> <li>Sealed Bearings</li> <li>Automatic brake engagement holding load at any desired height.</li> <li>Double pawl for increased safety and easier adjustment</li> <li>Extra thick heavy duty friction discs (free of asbestos) for increased service life and reliability</li> <li>Extra thick heavy duty gears</li> <li>Rubber hand grip for greater operator and comfort</li> <li>Forged top and bottom hooks c/w latches, that rotate 360 °</li> <li>Hooks are designed to stretch when overloaded before chain failure</li> <li><b>Proof tested at 1.5 times the WLL</b></li> </ul>	<ul style="list-style-type: none"> <li>Overload Protection</li> <li>Alloy load chain</li> <li>Articulating top hook</li> </ul>
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## Cargo Trolley

A safe and economical means of moving/transporting heavy products  
 Available in 6, 8, 12 and 18 Metric Ton capacities



Cargo Trolley					
		Capacity			
Model		6 Ton	8 Ton	12 Ton	18 Ton
Product Code		38579006	38579008	38579012	38579018
Length	mm	298	398	498	498
	Inches	11.74	15.67	19.61	19.61
Width	mm	222	222	222	312
	Inches	8.74	8.74	8.74	12.28
Height	mm	110	110.00	110	110
	Inches	4.33	4.33	4.33	4.33
Weight	kgs	15.5	22.5	29.5	43.50
	pounds	34.14	49.56	64.98	95.82

6 T and 12 T units are not standard stock items

### Handles for VCT-B Swivel Style Cargo Trolleys

Model Handles for	Product Code
6, 8 & 12 Ton Trolleys	3857 9108
18 Ton Trolleys	3857 9118



### Polyurethane Wheels

Fits all capacity of VCT-B cargo trolleys

- 6t unit requires 4 PU wheels
- 8t unit requires 6 PU wheels
- 12t unit requires 8 PU wheels
- 18t unit requires 10 PU wheels

Description	Product Code
PU Wheels	3857 9101



**WARNING:** NEVER EXCEED WORKING LOAD LIMITS!  
 INSPECT ALL COMPONENTS FREQUENTLY FOR SIGNS OF WEAR OR DAMAGE  
 CARGO TROLLEYS SHOULD ONLY BE USED/INSTALLED BY QUALIFIED PROPERLY TRAINED PERSONNEL.