

**INDUSTRIAL CATALOGUE
VANCOUVER**



VANGUARD STEEL LTD.

2016



BUILDERS HARDWARE

BUILDERS HARDWARE



www.vanguardsteelvancouver.com
www.vanguardsteel.com

VANGUARD STEEL LTD.

BUILDERS HARDWARE



BUILDERS HARDWARE TABLE OF CONTENTS

	Page
Anchor Bolts	1
Black	2
Galvanized	3
PVC Coated	4
T-Posts	5
Threaded (Ready) Rod	6
Tie Wire Dispenser	7
Tie Wire Twisting Tools	8

Anchor Bolts

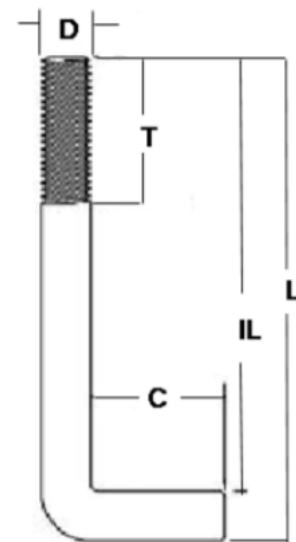
Anchor Bolts

Anchor bolts are heavy-duty industrial bolts embedded in concrete and used to attach both objects and structures to concrete and secure or anchor columns or other supports to a foundation.

Anchor bolts are an essential part of concrete construction.



Dimensions Inches					Lbs. Pc	Product Code
D	T	C	IL	L		
1/2	2-7/8	1-1/4	7-7/8	8-1/4	0.453	41093208



Black Annealed Tie Wire

Multiple uses from bundling, supporting and handling.

Popular applications are drop ceilings and reinforcement bar support for concrete.

Tying wire in gardens for plant support



Tie Wire								
Gauge	Length Ft.			Coils Carton		Weight lbs.		Product Code
16	340			16		3.125		41040016
16.5	400			16		3.125		410400165
9	170			10		10		41021009
12	336			10		10		41021012
14	580			10		10		41021014
16	949			10		10		41021016
9	850			5		50		41020009
12	1680			5		50		41020012
14	2900			5		50		41020014
16	4750			5		50		41020016

Packing: 3-1/8 lb coils-16 coils per carton, 48 cartons (768 coils) pallet
 10 lb. coils -10 coils banded
 50 lb coils-5 coils banded

Galvanized Annealed Tie Wire

Multiple uses from bundling, supporting and handling.

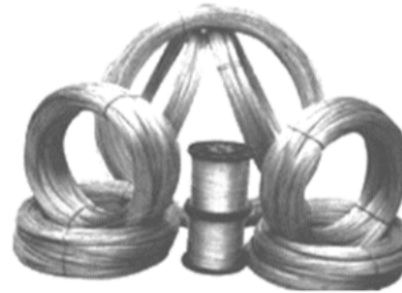
Popular applications are drop ceilings and reinforcement bar support for concrete.

Tying wire in gardens for plant support

Galvanized for added corrosion resistance.



Tie Wire					
Gauge	Length Ft.		Coils Banded	Weight lbs.	Product Code
9	170		10	10	41031009
12	336		10	10	41031012
14	580		10	10	41031014
16	949		10	10	41031016
9	850		5	50	41030009
12	1680		5	50	41030012
14	2900		5	50	41030014
16	4750		5	50	41030016



Packing: 10 lb. coils -10 coils banded
 50 lb. coils-5 coils banded



Green PVC Coated Annealed Tie Wire

Multiple uses from bundling, supporting and handling.

Popular applications are drop ceilings and reinforcement bar support for concrete.

Tying wire in gardens for plant support

PVC coated tie wire is used where good corrosion resistance is required.



Tie Wire							
Gauge	Length			Coils			Product
	Ft.			packet	Weight		Code
					lbs.		
16	170			12	2 1/2		41041016

Packing: 2-1/2 lb. coils, 12 coils box.
48 boxes (576 coils) pallet

T-Posts

Feature an angled stud that helps hold the fence against the post, makes the post easy to drive into the ground and rigid once they are placed for permanent or temporary installation.

Standard hole pattern

Common uses;

Snow Fence, Construction Fencing, Agricultural/Farm Fencing, Barbed Wire Fencing, Tree Staking Sign Posts



T-Post						
Length Ft.	Packing	Finish		Weight lbs.ft		Product Code
6	5 pcs/bundle	Unpainted		0.950		42040856
6	5 pcs/bundle	Painted		0.950		42040956
7	5 pcs/bundle	Painted		0.950		42040957
8	5 pcs/bundle	Painted		0.950		42040958



T-Post Pounder

For driving t-posts and u-posts into the ground.

Weighted head for added driving force, reinforced steel heat minimizes damage to post tops.

Delivers over 15 pounds of force reducing operator fatigue.

Dual handles for easy use.

2-3/4" Inside driver diameter.

Description	Length inches	Weight lbs	Product Code
T-post Driver	23	14	42041000



Threaded (Ready) Rods

ASTM A-307



Threaded rods, are a fastener that holds one or more objects together. Used in plumbing, contracting, and maintenance applications. It may be used for assembly and disassembly, depending upon the application and materials being fastened.

The most common steel threaded rod, classified as ASTM A-307 is grade 2 threaded rod made from low carbon steel. The stronger and more heat resistant Grade 5 threaded rod is manufactured from a medium carbon steel, quenched and tempered.

For high strength fasteners, you cannot substitute all threaded rods for a headed bolt, without significant loss in strength.

Supplied in a variety of , finishes, sizes and lengths.



Material:	Steel
Grade:	2
Finish:	Zinc plated/Hot dip galvanized
Specifications:	ASTM A-307
Tensile Strength:	60,000 psi
Elongation:	18% min
Hardness:	Rockwell B-100
Thread:	1-A, Coarse



Tie Wire Dispenser

Rugged, lightweight reel feeds pre-coiled wire smoothly, easily and quickly.

Front opening facilitates all types of spooled wire, use right or left handed

Saves time and reduces wasted wire.

Reel is smooth aluminum alloy. Wear parts made of steel.

Has large, comfortable rewind knob, nylon bushing for smooth, trouble-free operation,

Easily removed cover plate permits quick, convenient reloading.



Dispenser	Pcs.	Weight	Product
	Box	lbs.	Code
	5	1.85	41049001



Tie Wire Twisting Tools

Tie Wire Twisting Tools

Spare your tools and fingers from the strain of wire-tying on rebar grids and ensuring your reinforcement stays in place during concrete pouring.

An invaluable fencing tool for tying back wire mesh to vertical and horizontal strands.



Automatic Wire Twister

This tool is a must have accessory for wire ties.

Save time and increase efficiency with this heavy-duty automatic wire twister. Galvanized steel construction makes this handy tool a necessity. Unique spring-return action requires little effort and eliminates tired wrists from manual twisting. To tie wires, simply insert hook of twister into both tie loops of wire, pull handle and tool automatically tightly twists wire. Rubber handle provides secure grip. Length is 12".



Twisting Tools		
	Pcs. Box	Product Code
Manual	50	41049000
Automatic	5	41049002



General Warnings

All Vanguard rigging products are sold with the express understanding that both the purchaser and the end user are thoroughly familiar with the safe, proper and acceptable applications of the products.

It is the responsibility of the end user to establish proper safety programs and to provide thorough training for all personnel prior to use. The training programs must meet any federal/provincial/state/local code requirements, existing plant/site safety rules and regulations, and all instructions provided in the applicable section of this catalogue.

Product failure can occur due to abuse, misapplication, lack of maintenance, use by unqualified personnel and improper inspection prior to use. **Any failure of rigging products may result in property damage, personal injury and even death!!!!**

Standards

There are numerous government and industrial standards that cover rigging products. This catalogue makes no attempt to reference all of them; it references to the standards that are most frequently asked about.

Working Load Limit (WLL) – Safe Working Load (SWL)

The Working Load Limits shown in this catalogue are applicable to products that are new or “in as new” condition. The Working Load Limits ratings refer to the maximum amount of force or load that the rigging product can carry under normal working/environmental conditions. The Working Load Limits and Design Factor can be affected by wear, misuse, overloading, shock loading, side loading, corrosion, deformation, product alteration and other use conditions. Inspection of rigging products prior to use is required to determine whether the product continues to meet the assigned WLL provided in this catalogue, should be used at a reduced rating or removed from service.

The WLL rating must never be exceeded!!!!



General information disclaimer

The contents contained in this publication are for general information only.

Although every effort has been made to assure the accuracy of the information at time of print, persons who use the Catalog should note that ratings, laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication.

Vanguard Steel Ltd. assumes no liability for Catalog errors or omissions.

It is the responsibility of each person who uses this Catalog to ascertain current information that pertains to the individual lifting program, particularly with regard to satisfactory safety compliance requirements. Check your Provincial and Local safety standards before any operation or lift is attempted.

It is the responsibility of the person/operator to frequently search for updated reference information.

Do not use lesser than matching Grade components for any lifting application !

Do not use Slings, Chains or Accessories with signs of wear or deformation !

Inspections - Each day before being used, the sling and all fastenings and attachments shall be inspected for damage or defects by a competent person designated by the employer. Additional inspections shall be performed during sling use where service conditions warrant. Damaged or defective slings shall be immediately removed from service.

Five Locations to Serve You

Toronto
Head Office
2160 Meadowpine Blvd.
Mississauga, Ontario
L5N 6H6
Phone (905) 821-1100
Fax (905) 821-2024



Montreal
2205 de l'Aviation
Dorval, Quebec
H9P 2X6
Phone (514) 685-1515
Fax (514) 685-1516



Winnipeg
190 Omands Creek Blvd.
Winnipeg, Manitoba
R2R 1V7
Phone (204) 694-2259
Fax (204) 633-7230



Edmonton
7606 McIntyre Road, N.W.
Edmonton, Alberta
T6E 6Z1
Phone (780) 466-1115
Fax (780) 469-4545



Vancouver
7880 Fraser Park Drive
Burnaby, BC
V5J 5L8
Phone (604) 294-3191
Fax (604) 294-8845





VANGUARD STEEL LTD.

www.vanguardsteelvancouver.com
www.vanguardsteel.com