

**INDUSTRIAL CATALOGUE
VANCOUVER**



VANGUARD STEEL LTD.

2016



STEEL STRAPPING

STEEL STRAPPING



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Steel Strapping

Steel Strapping, a high carbon, heat treated steel is used for heavy duty holding where high breaking strength and extra shock resistance with minimal stretch is desired.

Steel strapping is ideally suited for a wide range of strapping requirements, and most often used in complete horizontal or vertical bands for reinforcing shipments and for unitizing and bundling materials to permit more efficient handling.



Width	Thickness	Strength	Coil	Product
Inches		Lbs.	Winding	Code

1/2"	.020"	1,230	Oscillated	42012032
5/8"	.020"	1,550	Oscillated	42012040
3/4"	.023"	2,200	Oscillated	42012348
1-1/4"	.025"	4,060	Ribbon	420125116

Coil Winding:

Steel strapping is coiled in either an oscillated pattern or into the width of the strap (ribbon wound).

Oscillated:

The steel strapping is wound in a tight uniform pattern to a coil width between 2 1/2" to 2 7/8".

Ribbon:

The steel strapping is wound onto itself so that the width of the coil is the same as the strap.

Finishes:

All finishes are treated with a hard wax coating. This lubrication allows the strapping to flow smoothly in automated machines, tools and around corners of products.

Steel Strapping Seals

Steel Seals are intended to ensure proper joint strength in securing steel strapping.



Push Seal

Open Seal

Width	Length:	Packaging	Product	Seal
Inches	Inches	(pcs)	Code	Type
1/2"	1"	1,000	42020032	Open
5/8"	1"	1,000	42020040	Open
3/4"	1.11"	1,000	42020048	Open
1-1/4"	2.24"	500	42021116	Push



There are several popular types of steel strapping seals.

Open seals

Open, or snap-on, strapping seals are the most common type of strapping clips used. Fast and easy to use, open seals can be placed over the strap before or after tensioning. They maintain strap alignment prior to tensioning the strap and are placed on the overlapping strap ends during or after tensioning. Use these with regular duty strapping sizes on flat surfaces primarily with a feed wheel tensioner.

Push-Type Seals

Closed, or pusher strapping seals are used for strapping applications involving round or irregular shaped packages.

Push-type straps are pre-threaded through the seal prior to tensioning, formed into a 'lasso' or slip loop, which is then pulled hand tight around the package. An overlapping flange provides the required strength as the tensioner pushes against the edge of the seal, tightening the package.

Steel Strapping Tensioners

A steel strapping tensioner is a tool used to tension metal or steel strapping around a load to secure it.

You then use a strapping sealer to crimp or seal the two ends of the steel strapping together.



Feed wheel Tensioners

A feed wheel type strapping tensioner is the most common tensioner and the easiest to use. It is also the least expensive style of tensioner.

	Strapping width (Inches)	Description	Product code	Weight (lbs/pc)
	3/8 - 3/4"	Feed Wheel Tensioner VGD 920	420302448	4.5

Feed wheel Push Tensioner

Like a standard feed wheel tensioner, feed wheel push tensioners combine a clutch plug and feed wheel in a tensioning action that allows for unlimited slack take-up.

The push tensioner applies tension in the opposite direction making it ideally designed for round or irregular packages.

	Strapping width (Inches)	Description	Product code	Weight (lbs/pc)
	5/8 - 1-1/4"	Superior Push Tensioner VGD 247	4203040116	7.1

Steel Strapping Sealer

Manual sealers provide positive sealing action with minimal effort. Light and durable, they lock strap ends into a high strength joint.



Strapping width (Inches)	Description	Product code	Weight (lbs/pc)
1/2"	Double Notched Sealer	VGD-3104	420310032
5/8"	Double Notched Sealer	VGD-3105	420310040
3/4"	Double Notched Sealer	VGD-3226	420310048
1-1/4"	Double Notched Sealer	VGD-3180	420310116
1-1/4"	Single Notched Side Action H.D.	VGD-3173	420311116



Steel Strapping Cutters

Steel strapping cutter tools are the simplest and most basic method of cutting steel strapping. Standard and heavy duty steel strapping safety cutters for cutting steel strapping from coil and dispenser.



Strapping width (Inches)	Description	Product code	Weight (lbs/pc)
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3/8-3/4"	Drop Forged Cutter	VGD-100	4203 22448	1.31
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3/8-1-1/4"	Heavy Duty Cutter	VGD-230	4203 224116	1.91
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Steel Strapping Dispensers

Strapping dispensers are designed to keep your strapping and all your strapping accessories together for easy mobility and use.

Improve loading and banding safety and efficiency by using our strapping dispensers to eliminate awkward and dangerous heavy coils of straps.



Strapping width (Inches)	Description	Product code	Weight (lbs/pc)
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3/8 - 1-1/2"



Automatic brake.
10" Diameter Wheels
Trolley type with tool box
Outer Steel Disc 25" in Diameter

VGD720HS

4203 30112

59



3/8 - 2"



Trolley Brake
8" Diameter Wheels
Trolley type with tool box
Outer Steel Disc 25" in Diameter

VGD430HS

4203 30200

75



Trolley Brake



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.

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