

VOSS INDUSTRIES

Manufacturing Capabilities

www.vossindustries.com

Updated 11.9.18

VERSION - in Metric

VOSS TAYLOR 313-291-7500 7925 Beech Daly Rd. Taylor, Michigan 48180	VOSS CLARK 812-285-7700 701 Loop Rd. Jeffersonville, IN 47130
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	1 Line	1 Line
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CAPACITY - annually	655,000 MT	872,000 MT
WEIGHT - Maximum Coil (Entry/Exit)	25,855 / 27216	36,288
WIDTH - Minimum/Maximum	610 / 1828 mm	762 / 1930* mm
GAUGE - Minimum/Maximum	1.2 / 6.8 mm - see below	1.4 / 8.4 mm - see below
Max Width based on Gauge	1.2-4.5=1829mm / 4.5-5.6 = 1626mm 5.6 - 6.1 = 1422mm/ 5.6-6.8=1219mm	1.4 - 6.3 = 1829mm 6.3-8.4 = 1524mm
ID INCOMING Min/Max	406 / 965 mm	610 / 965 mm
OD INCOMING Min/Max	1016 / 2032 mm	965 / 2032 mm
OD EXIT Min/Max	1016 / 1981 mm	965 / 2032 mm
ID EXIT Min/Max	610 only	610 only
Gauge and Width Charting	Yes	Yes
Automated Surface Inspection	Yes	Yes
Prelube Coating (Oils)	Yes	Yes
Drylube Application	Yes	Yes
Minimum Coating Aim (mgs)	200	200
Minimum Range Required (mgs)	100	400
Prewash	Yes	Yes
Tension Leveling	Yes	Yes
Maximum gauge*	5.5 mm	
Maximum Elongation*	3%	3%
Anti-Coil Break Rolls	no	Yes
Reverse Wind	no	Yes
High Strength/High Carbon	yes-inquire	yes-inquire

*Reduced by gauge and grade - inquire

Based on actual gauge and mild strength / >1829 mm ACCEPTED BY INQUIRY ONLY

ACCEPTED BY INQUIRY ONLY

*Capabilities are contingent on grade & cross sectional area of strip - inquire for specifics

ACCEPTED BY INQUIRY ONLY

	1 Slitting Line	3 Slitting Lines
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CAPACITY - annually	272,000 MT	654,000 MT
WEIGHTS - Maximum Coil	27,216	36,288*
Maximum Produced Width (Trim-2 mults)	1829 mm	1943 mm
Maximum Width (> 2mults)	1829 mm	1829 mm
Minimum Produced Width	63.5 mm	76.2 mm
Min Width (For Rewrap Only)	356 mm	152.4 mm
Min / Max. Gauge	1.4 / 9.5 mm	
ENTRY ID Min/Max	508 / 762	
ENTRY OD Min/Max	812 / 2032	
EXIT ID Min/Max	508 / 610 mm	
EXIT OD Min/Max	812 / 2032	
Scrap required per side (minimum)	9.5 mm- < 5.08 mm / 12.7mm 5.08-6.35mm / 15.9mm >6.35mm	
Width Tolerance* (< 610 wide) up to 4.4	.25 mm Minimum range	
4.5-9.5	.41 mm Minimum range	
Width Tolerance* (> 610 wide)	.79 mm Minimum range - all thicknesses	
Maximum Number of Mults Produced**	< 5.08mm = 16 / 5.1-7.6mm = 12 / > 7.6mm = 9	
Electronic Gauge Monitoring	Yes	Yes
Shimless Slitting	Yes	Yes
Reverse Wind	Yes	Yes
Eye to Sky packaging available	Yes	Yes
Maximum skidded package weight	9,072	8,165
Stretch Wrap or Paper Wrap Packaging	Yes	Yes
Steel Types Processed	HRP&O / HRDL / CR / GALV	Same + Hot Rolled Black

*27MT on 1829 mm slitter (multi cut)

* Inquire if less required

*Can be reduced by grade

INQUIRY ONLY IF OTHER THAN P&O

	2 Blanking Lines
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Capacity - tonnage force	not available	900 MT
Maximum Coil Weight	not available	36,288
ENTRY Min/Max Width	not available	406 / 1828 mm
ENTRY Min/Max Gauge	not available	1.0 / 9 mm
ENTRY ID Min/Max	not available	610 only
ENTRY OD Min/Max	not available	965 / 2133 mm
Shut Height Min/Max	not available	406 / 724 mm
Bolster Dimension - Max side to side	not available	2743 mm
Bolster Dimension - Max Front to back	not available	1829 mm
Progression Accuracy	not available	Plus/minus 1.0 mm
Maximum Pitch	not available	1270mm (if > inquire)
Steel Types Processed	not available	HRP&O / HRDL / CR / GALV
Shapes Produced	not available	Circles / Configured / Rectangles

Inquire outside of this range

Pitch tolerance will vary with trim or mill edge

OTHER CAPABILITIES

ACCESSIBLE MODES OF TRANSPORTATION

Truck (Inbound/Outbound)	Yes	Yes
Rail (Inbound/Outbound)	Indirect using local warehouses*	yes - CSX/LIRC
Barge (Inbound/Outbound)	No	Yes

* small fee required

RECEIVING REQUIREMENTS	313-291-8535	812-285-7717
Method	Overhead crane	Over head crane
Appointment Required	Yes	No
Receiving Hours*	M - F / 6am-6pm	M - F / 6am - 11pm (24 hrs)

*All weekends by appt.

SHIPPING REQUIREMENTS	313-291-8535	
Methods	Crane/Fork Truck	Crane/Fork Truck
Appointment Required	No	Req'd for skids/blanks (7am-5pm)
Shipping Hours	M - F / 6am-8pm	M - F / 6am - 11pm (24 hrs)

*All weekends by appt.

QUALITY SYSTEM	<u>IATF 16949:2016</u>	<u>IATF 16949:2016</u>
EDI CAPABILITY	COMPORD/X-12	COMPORD/X-12

PERSONNEL

President	Mike Voss	Joseph Rhodea
Director of Operations	Steve Fischer	Doug Voss
Director of Inside Sales	MaryAnn Satkowiak	Bryan Belote
Director of Outside Sales	Paul Kasper	Timothy Bilkey
<u>Vice President/Controller</u>	Michael Ratusznik	David Voss
EDI (Information Systems)	David Voss*	David Voss
Inside Sales Contacts	Mary Ellen McDonald	Ashley Hendrick
	Cheryl Massey	Julie Crawford
	Debbie Latin	John Newby
	Megan Matura	Kelly Parker
	<u>Jennifer Strong</u>	Mike Pope
		<u>Ladonna Haug</u>
		<u>Kori Bright</u>

*Office at Clark

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PICKLING	1 Line	1 Line
CAPACITY - Annually	720,000	960,000
WEIGHT - Maximum Coil (Entry/Exit)	<u>72,000</u>	<u>70,000</u>
WIDTH - Minimum/Maximum	24/72*	30/72* >72" < 76"= Inquire
GAUGE - Minimum/Maximum	<u>.045/.270</u> - see below	.055/.330 - see below
Max Width based on Gauge	(-)	.055-.249=72" / .250-330=60"
ID INCOMING Min/Max	16/38	24/38
OD INCOMING Min/Max	40/80	38/80
OD EXIT Min/Max	40/78	38/80
ID EXIT Min/Max	24 only	24 only
Gauge and Width Charting	Yes	Yes
Automated Surface Inspection	Yes	Yes
Prelube Coating (Oils)	Yes	Yes
Drylube Application	Yes	Yes
Minimum Coating Aim (mgs)	150	200
Minimum Range Required (mgs)	<u>200</u>	400
Prewash	Yes	Yes
Tension Leveling	Yes	Yes
Maximum gauge*	0.217	0.217
Maximum Elongation*	3%	3%
Anti-Coil Break Rolls	no	Yes
Reverse Wind	Yes	Yes
High Strength/High Carbon	yes-inquire	yes-inquire
SLITTING	1 Slitting Line	3 Slitting Lines
CAPACITY - annually	300,000	720,000
WEIGHTS - Maximum Coil	<u>72,000</u>	<u>70,000</u>
Maximum Produced Width (Trim-2 mults)	72.00"	76.5"
Maximum Width (> 2mults)	72.00"	72.00"
Minimum Produced Width	2.50"	3.00"
Min Width (For Rewrap Only)	14.00"	6.00"
Min / Max. Gauge	<u>.045 / .277</u>	.055 / .375
ENTRY ID Min/Max	20/30	
ENTRY OD Min/Max	32/80	
EXIT ID Min/Max	20/24	
EXIT OD Min/Max	32/80	
Scrap required per side (minimum)	3/8"- <.187 / 1/2" .187-.250 / 5/8" >.250	
Width Tolerance* (< 24" wide) up to .175	.010" Range min	
.176 - .375	.016" Range min	
Width Tolerance* (> 24" wide)	.031" Range min - all gauges	
Maximum Number of Mults Produced**	<.200=16, .201-.249=14 / .250-277=11	<.200=16 / .201-.299=12 / >.300=9
Electronic Gauge Monitoring	Yes	Yes
Shimless Slitting	Yes	Yes
Reverse Wind	Yes	Yes
Eye to Sky packaging available	Yes	Yes
Maximum skidded package weight	20,000	18,000
Stretch Wrap or Paper Wrap Packaging	Yes	Yes
Steel Types Processed	HRP&O / HRDL / CR / GALV	Same + Hot Rolled Black
BLANKING	2 Blanking Lines	
Capacity - tonnage force	not available	1,000 ton

*Reduced by gauge and grade - inquire

Based on actual gauge and mild strength / 72" ACCEPTED BY INQUIRY ONLY

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*60K on 72" slitter (multi cut)

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Maximum Coil Weight	not available	70,000
ENTRY Min/Max Width	not available	16/(78" on #1) (72" on #2)
ENTRY Min/Max Gauge	not available	.040/.295
ENTRY ID Min/Max	not available	24 only
ENTRY OD Min/Max	not available	38/84
Shut Height Min/Max	not available	16/28.5
Bolster Dimension - Max side to side	not available	108
Bolster Dimension - Max Front to back	not available	72
Progression Accuracy	not available	Plus / minus .039"
Maximum Pitch	not available	50" (if > inquire)
Steel Types Processed	not available	HRP&O / HRDL / CR / GALV
Shapes Produced	not available	Circles / Configured / Rectangles

Inquire outside of this range

Pitch tolerance will vary with trim or mill edge

OTHER CAPABILITIES

ACCESSIBLE MODES OF TRANSPORTATION

Truck (Inbound/Outbound)	Yes	Yes
Rail (Inbound/Outbound)	Indirect using local warehouses*	Yes - CSX/LIRC
Barge (Inbound/Outbound)	No	Yes

* small fee required

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	<u>IATF 16949:2016</u>	<u>IATF 16949:2016</u>
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EDI CAPABILITY

	COMPORD/X-12	COMPORD/X-12
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