

**Nelson Steel**  
**Processing Capability**  
**Information Sheet**

Approved By: General Manager  
 Authorized By: Q.A. Manager  
 Date: 1/2/11  
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72" x 3/8" Slitter		Nelson Steel - Glover Rd.	
<b>Multi-Slitting</b>	Yes	<b>Inspection</b>	100 ft.lead, middle and trail each coil, top and bottom.  Note: Please inquire for other inspection requirements
<b>Edge Trimming</b>	Yes		
<b>Shape Improvement (Korflex)</b>	Yes		
		<b>Packaging</b>	Please refer to next page.
<b>Entry Mandrel: Expanding - Overwind Only</b>		<b>Exit Mandrel: Latch - Overwind Only</b>	

Machine Limitations			
<b>Thickness</b>	.040" - .375"	<b>Charged ID</b>	20", 24"
<b>Charged Width</b>	12" min. / 74" max.	<b>Finished ID</b>	20", 24"
<b>Finished Slit Width</b>	2" min. / 72" max.	<b>Charged OD</b>	36" min. - 80" max.
<b>Charged Weight</b>	80,000 lbs. Max	<b>Finished OD</b>	80" max.

Max # of Cuts						
Thickness	Number of Mults based on Material Yield Strength					
	<40 ksi	40 - 50 ksi	50 - 60 ksi	60- 70 ksi	70 - 80 ksi	80 - 90 ksi
.040" - .0478"	30	30	30	26	25	22
.0478" - .0538"	30	30	27	23	20	18
.0538" - .0598"	30	30	25	21	19	17
.0598" - .0625"	30	29	24	20	19	17
.0625" - .0673"	30	27	22	19	16	14
.0673" - .0747"	30	24	20	17	16	14
.0747" - .0897"	26	20	17	14	14	12
.0897" - .0938"	25	20	16	14	12	10
.0938" - .1026"	23	18	15	13	12	10
.1026" - .1196"	20	16	13	11	10	9
.1196" - .1250"	19	15	12	10	10	9
.1250" - .1345"	18	14	11	10	9	8
.1345" - .1495"	16	13	10	9	8	7
.1495" - .1563"	15	12	10	8	7	7
.1563" - .1644"	15	11	9	8	7	7
.1644" - .1793"	13	10	9	7	7	6
.1793" - .1875"	13	10	8	7	7	6
.1875" - .1943"	12	10	8	7	6	5
.1943" - .2092"	11	9	7	6	6	5
.2092" - .2188"	11	9	7	6	6	5
.2188" - .2242"	11	8	7	6	5	5
.2242" - .2391"	10	8	6	5	5	4
.2391" - .2500"	10	8	6	5	5	4
.2500" - .3125"	8	6	5	4	3	3
.3125" - .3750"	6	4	4	3	2	2

Edge Trim Capability per Side			
Thickness	Minimum	Maximum	Material can also be processed with off-cuts.
.040" - .125"	.1875"	2.5"	
.125" - .250"	.250"	2.5"	
.250" - .375"	.500"	2.5"	

Please include finished slit width tolerances when calculating edge trim allowance, this will ensure the minimum requirements are met.

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Slit Width Capability	
Thickness	Tolerance
.040" - .150"	plus .010 / minus.000"
.151" - .375"	plus .020 / minus.000"
Capability based on slit width equal to or less then 12", Please inquire for others.	

Repair Capability
Entry and exit crop shears.
Defect Removal
Off-gauge Removal
Rewinding narrow mults - 6" min.

Incoming Telescope
Up to 6" per side can be slit, over 6" please inquire.

Camber Measurement
Not Available

Slitting Capability		
Product (Material Type)		Comments
Cold Rolled	Yes	Must specify Grade and Yield Strength
Galvanized/Galvanneal	Yes	Must specify Grade and Yield Strength
HR/PO	Yes	Must specify Grade and Yield Strength
Hot Rolled Pickled Dry	Yes	Must specify Grade and Yield Strength
Cold Rolled Full Hard	Yes	Must specify Grade and Yield Strength
Hot Rolled Plain Dry	No	We do not process unpickled material
Hot Rolled Pickled Dry Lube	Yes	<b>Please inquire.</b>

Packaging Line Specifications			
Max. Slit Weight	Min./Max Width	Coil I.D.	Max. Package Height
13,875 lbs. at a 48" max O.D. Please inquire for others.	2" to 27"	20 and 24"	38" Includes material, spacers, and skid height
		Coil O.D. 30 to 80"	
I.D. Band Size	O.D. Band Size	<b>Plastic Wrap Available</b>	
0.750" x 0.020"	1.250" x 0.029"		

**Note:** For any slitting, sidetrimming or packaging requirements that do not conform to the above specifications, please inquire.