



Lesman
www.lesman.com

Instruments • Valves • Controls

Chicago Area Office
135 Bernice Dr, Bensenville IL 60106
Ph: 800-953-7626 • 630-595-8400
Fax: 630-595-2386

Milwaukee Area Office
5160 N 125th St, Butler WI 53007
Ph: 800-837-1700 • 262-923-1790
Fax: 262-923-1797

E-mail: sales@lesman.com

Contact: _____ Ext. _____

504

V11.2013

Name: _____

Company: _____

Street: _____

City: _____ State: _____ Zip: _____

E-mail Address: _____

Phone: (____) _____ Fax: (____) _____

This is a: Request for Quote Order: PO# _____

Quantity Needed: _____ Date Required: ____/____/____

Shipping Method: _____ Partial Accepted: Yes No



Shapeline Flatness Gauge

Application Datasheet

Material Data

Process Type Hot roll milling Galvanizing
 Color coating Annealing
 Hardening Pickling
 Cut-to-length Quality inspection
 Slitting Other: _____

Material Type Carbon Steel Stainless Steel _____
 Copper Aluminum
 Other: _____

Metal Form Strips Slabs
 Plates Sheets
 Other: _____

Material Surface Condition Glossy Oil _____
 Water Scales
 Scratches Grinding marks
 Other: _____

Environment Dust Steam
 Vapor Other: _____

	Minimum	Maximum	
Material Thickness	_____	_____	
Matl Surface Temperature	_____	_____	<input type="checkbox"/> °C <input type="checkbox"/> °F
Environ Temp at Sensors	_____	_____	<input type="checkbox"/> °C <input type="checkbox"/> °F

Measurement Data

Required Standards ASTM A6 ASTM A20
 EN10029 Other: _____

Crossbow? Yes No Width _____

Length Bow? Yes No Length _____

I-Units? Yes No

Waves? Yes No
 Wavelength/Amplitude/Steepness _____

Typical Flatness Size
 Wavelength Range _____
 Amplitude _____
 Steepness _____
 Ski-Up Size _____
 Crossbow Size _____

Application Level control Auto/manual control
 Data Use Quality documentation and certification
 Trimming/crop optimization
 Quenching Heat/cool
 Other: _____

Measurement Range in Thickness Direction _____
(Affected by pass-line variation, thickness range, and max unflatness.)

Required Measurement Width _____
(Max material width + movement in width direction or width of roller table)

Maximum Line Speed _____

Distance to Nearest Deflection Point _____
In general, distance to nearest deflection point (deflector roll, rolling mill, leveler roll, bite, etc.) should be 1.5 times larger than material width)

Transportation Type Supporting type (rubber belt, rolls, etc.)
 Roll cc Roll diameter
 Other: _____

Available Space Height: _____
 Length: _____

Additional Information for Strip Applications:
 Pass Line Direction Horizontal Vertical
 Maximum Tension _____ N/mm2

Can Material Reverse Direction? Yes No

Functional Requirements Point size in width/length direction
 Resolution/accuracy in height direction
 Other: _____

Special Instructions/Notes

List any other requirements: _____

