

Sensor blades to ROLLER NIP INDICATOR™

2011:2

STATIC sensor blade



The top of the static sensor blade is inched into the nip and positioned between the rollers. A reading in millimeters or inches is shown. The pressman then easily can adjust the nip width to the level he desires. The static sensor blade detects the viscous-elastic properties of the rubber (how it hardens with age).

Nip Width: 1.5 - 20 mm / 0.059 - 0.787"

Length: 300 mm / 11.8"

Nip Temperature: 20 - 50°C / 68 - 122°F

Roller Surfaces: Metal/Rubber, Hard Plastic/Rubber, Rubber/Rubber. Smooth, not grooved.



Part Number SS30002/03 ALL ROUND

- Roller nips on offset, rotogravure and flexo presses.
- Infeed or draw roller nips when within specification.
- Coating and lamination nips with rubber hardness up to 60° Shore A. Also recommended in converting applications when the rollers are clamped together (not inched).



Part Number SS30001 EXTREME

- Converting applications with very low activation force and/or rubber hardness between 60 and 80° Shore A.

SEMI-DYNAMIC sensor blade



Semi-dynamic measuring is performed with the rollers moving at slow speed. This is the most real-life technique for analyzing a roller nip since the sensor blade detects both the flexibility of the roller rubber when it moves (viscous-dynamic properties) as well as the viscous-elastic properties (how the rubber hardens).

As measurement when print rollers are moving is an improved method, a nip width reading in DNU (Dynamic Nip Units) is shown in the display. 1 DNU is approximately 0.2 mm / 0.008".

Nip Width: 1.5 - 20 mm / 0.059 - 0.787"

Length: 300 mm / 11.8"

Nip Temperature: 20 - 50°C / 68 - 122°F

Roller Surfaces: Metal/Rubber, Hard Plastic/Rubber, Rubber/Rubber. Smooth, not grooved.



Part Number DS30001

- Roller nips especially on larger offset presses like in newspaper printing.
- Converting applications with max. 70° Shore A.

LAMINATION AND COATING INDUSTRIES OR OTHER NIPS WITHIN THE SENSOR BLADE'S SPECIFICATION RANGE

- If nip pressure load is below 15 N/cm², the ROLLER NIP INDICATOR™ with both the static or the semi-dynamic sensor blades can be used (nip width).
- If the pressure load is between approximately 100 to 750 N/cm², Nip Control's PRESSURE INDICATOR™ instrument measuring the nip load in Newton/cm² (part number P101) should be used (nip pressure).