



UP-LABELS
Ultimate Performance Labels

LTA Tiremarkings

LTA TIRE_DOTS: THE ULTIMATE TIRE MARKING SOLUTION



tire_dots are heat activated transfer labels for marking of vulcanized rubber tire sidewalls. They identify various tire parameters including 1st harmonic, imbalance, conicity or may be used to support internal sorting processes. Like a skin, the elastic tire_dots adopt the surface contour of a vast majority of challenging sidewall structures.

EXTREMELY THIN

The paper thin and elastic materials enable marking on raised structures and letters.

ROBUST & LONG LASTING

High performance polymers and pigments enable maximum coverage and elasticity while offering outstanding abrasion resistance.

CUSTOMIZED

Different tire compositions and tire manufacturing processes require individually tailored products. Tire_dots can be customized to your specific requirements.

HIGH ADHESIVE POWER

Special adhesives tailored to the structure and chemistry of tire sidewalls guarantee maximum adhesion.

ENVIRONMENTAL SUSTAINABILITY

Our products are manufactured exclusively from environmentally friendly raw materials avoiding the use of petrochemical solvents.

PHYSICAL PERFORMANCE

Depending on the desired area of application and location, tire_dots guarantee the highest performance in challenging situations the whole way of tire transportation to your customers.

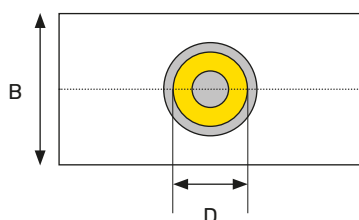
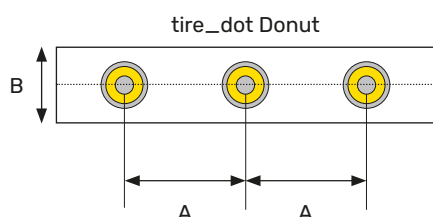
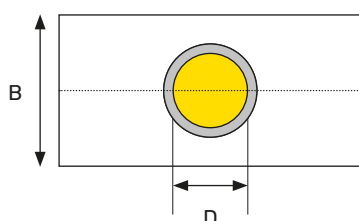
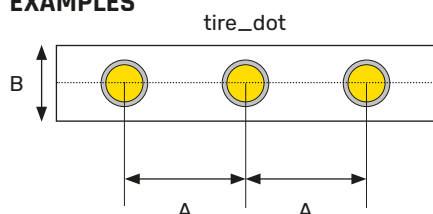




TECHNICAL SPECIFICATION

CHOOSE YOUR PRODUCT

EXAMPLES



A: 30mm
B: 20 - 25mm
D: 6 - 20mm

Detail
2:1

DESIGN AND DIMENSION

- Diameter of tire_dot: 6-20mm
- Available in different colors and shapes according to your specific requirements



DELIVERY FORM

- Reel on 1 inch core
- Reel diameter max. 100mm at 2,500 dots / Reel
- Reel width 20mm, 25mm
- Individual reel dimensions available on request

Permanent adhesion

HS: Enhanced adhesion and abrasion resistance for applications in hot climates.

HS-2(G): Highest robustness for demanding applications and transportation over long distances.

Semi-permanent adhesion

SP: Easily peelable product, ideal for temporary markings like for „rework“ tires. Ensures sufficient adhesion during transport if shear stress can be excluded eg. within the tire plant.

Application method: Heat transfer printing

LTA Markings can be applied on vulcanized tires after TU/TB measurement by automatic marking machines of various manufactures.

Heat Pin temp.: 115 °C to 140 °C

Pressure: 100-300 N / cm²

Duration: 0.5 - 2 sec

	HS tire_dot	HS-2(G) tire_dot	Traditional Hotfoil
Visibility + machine readability on plain areas	● ● ● ●	● ● ● ●	● ● ●
Visibility + machine readability on structures and letters	● ● ● ●	● ● ● ●	○
Adhesion on plain surface areas	● ● ●	● ● ● ●	●
Adhesion on raised structures and letters	● ● ●	● ● ● ●	○
Tolerance towards small residues of mould release	● ●	● ● ●	○
Abrasion/rubbing resistance	● ● ●	● ● ● ●	○
Transport safety (conveyor belts, tire stacking)	● ● ●	● ● ● ●	○
Application fault tolerance	● ● ●	● ● ● ●	●
Climate stability in hot humid regions	● ● ● ●	● ● ●	●
Tape tear resistance	● ● ● ●	● ● ● ●	○
Recommended for OE tires	● ● ●	● ● ● ●	○
○ critical ● acceptable ● ● ok ● ● ● good ● ● ● ● excellent			