

# PUNCTURE PROOF TYRES

STARCO FLEX

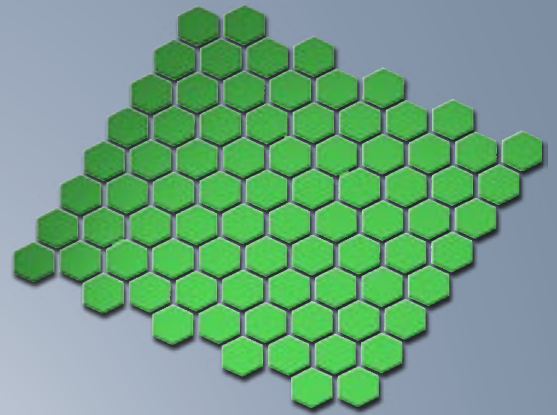


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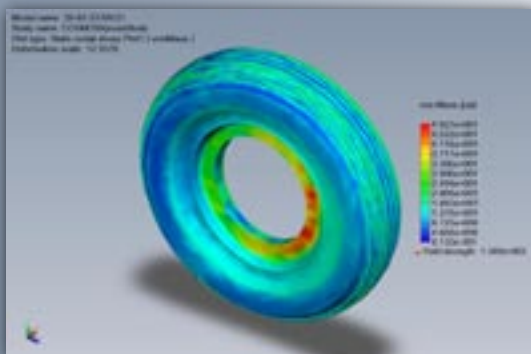
### **Material structure**

STARCO Flex tyres are “solid” tyres made from a micro-cellular polyurethane material, having thousands of microscopic cells created by carbon dioxide gas within the structure. This structure provides strength and flexibility similar to pneumatic tyres. If damage occurs to the tyre it will only affect individual cells and not the whole tyre, as would be the case with a pneumatic product. The polyurethane material has excellent wear characteristics and longevity. This makes a reliable puncture proof tyre.



### **Product benefits:**

- Resilient ride qualities – similar to a pneumatic tyre
- Load capabilities similar to corresponding pneumatic tyres
- Light weight – only a little heavier than pneumatics, and much lighter than conventional solid tyres
- No service or repairs required, no costly downtime
- Increased tyre life time
- STARCO engineered and tested



### **Excellent shock absorption**

Unlike conventional solid tyres, where the shock is transferred directly to the axle, the Starco microcellular honeycomb cell structure distributes shock and heavy impacts throughout the tyre, the in-built hysteresis dissipating the energy. This results in a smooth even ride without bounce and vibration.

We have developed the profile and stress distribution within our PU tyres, to give improved footprint load distribution and reduced heat generation. The improved footprint, with its more even pressure distribution, gives a significant improvement in the ability of a heavily loaded PU tyre to travel smoothly over sand, gravel and other unstable terrain with impunity.

## ***Differentiated density***

The STARCO PU centrifugal moulding process gives the possibility of creating a different density and hardness for different portions of the tyre. This has led to the development of a hard tread, with soft flexible side walls, the harder tread giving less rolling resistance whilst the softer side wall provides improved deflection and ride characteristics.

## ***Applications***

- Sack trucks
- Wheelbarrows
- Livestock feeding trucks
- Lawnmowers
- Non-marking applications
- Golf carts and Golf trolleys
- Pedestrian controlled street cleaners
- Children's ride-on karts and other toys





# STARCO Flex

## Polyurethane tyres - Puncture proof



Dimension	Replacing	PR/LI	Tread pattern	Black	Yellow	mm	mm	kg	km/h	
<b>4"</b>										
26-4C	3.00-4	52A1	STARCO Flex ST-31	■	■	260	80	200	5	2.10x4
26-4D	3.00-4	52A1	STARCO Flex ST-3000	■	■	260	80	200	5	2.10x4
<b>6"</b>										
26-6C	3.00-4	48A1	STARCO Flex ST-31	■	■	250	85	180	5	2.50Ax6
26-6D	3.00-4	48A1	STARCO Flex ST-3000	■	■	260	85	180	5	2.50Ax6
30-6C	4.00-4	52A1	STARCO Flex ST-31	■	■	300	100	200	5	2.50Ax6
30-6D	4.00-4	52A1	STARCO Flex ST-3000	■	■	290	100	200	5	2.50Ax6
<b>8"</b>										
34-8A	4.00-6	50A1	STARCO Flex ST-11	■	■	330	100	190	5	2.50Ax8
37-8A	3.50-8	53A1	STARCO Flex ST-11	■	■	360	90	206	5	2.50Ax8
39-8A	4.00-8	55A1	STARCO Flex ST-11	■	■	380	90	218	5	2.50Ax8

STARCO Flex tyres are manufactured and stocked in black and yellow versions. Subject to order, they can also be manufactured in other colours.



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