

MECAPLAST

Plastic Technical Solutions



GREENLIFETIRE
100% RECYCLABLE SEEDER WHEELS

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Plastic Technical Solutions

Mould Design and Construction

Injection Moulding

Metal Replacement



GREENLIFETIRE

100% RECYCLABLE SEEDER WHEELS

**Technopolymers and
Thermoplastic Rubbers
for 100% Recyclable Wheels**



TEST REPORT

Purpose: physical/mechanical properties and comparison of abrasion data on tyres

Technical data: thermoplastic polyurethane

Service temperature: -10°/100° C

Samples tested:

Sample A: vulcanised rubber



Sample B: vulcanised rubber



Sample GLT325x50



Sample GLT250x42

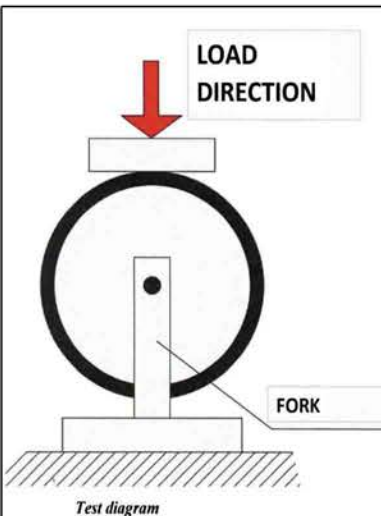


Abrasion data

Test method	ASTM D792	DIN 53516
Type of analysis	Density	Abrasion
Unit	g/cm3	mm3

Sample A	black wheel (vulcanised rubber)	1,356	407
Sample B	black wheel (vulcanised rubber)	1,161	182
Sample GLT325x50	red wheel (TPU)	1,121	64
Sample GLT250x42	green wheel (TPU)	1,131	41

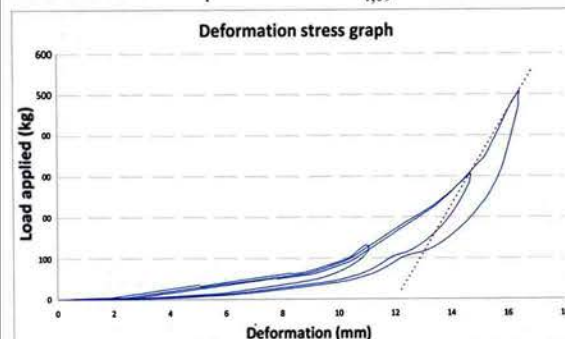
Load test



GLT 400 x 115 R model wheel

RESULTS OF TEST CONDUCTED ON GLT 400x115 WHEEL

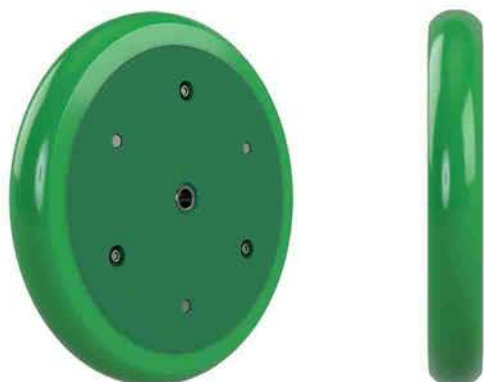
load applied	Deformation
kg	mm
1	0,00
130	10,57
1	0,65
300	14,22
1	0,89
510	15,61
1	1,09



FULL TEST REPORTS ON REQUEST

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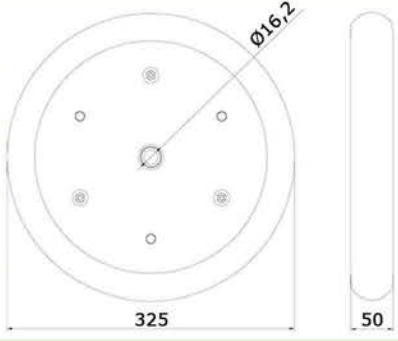


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

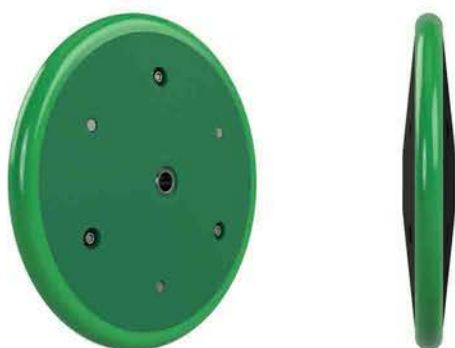
TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMIZABLE	
CODE	GLT325x50	

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUT AND ITS PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO BEAD DISLODGEEMENT
- LOW WEIGHT
- TECHNICAL CUSTOMIZATION
- CUSTOMIZED COLOURS



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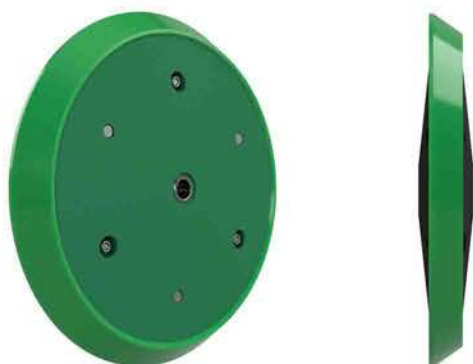
TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMIZABLE	
CODE	GLT295x25	

- HIGH RESISTANCE TO ABRASION AND WEAR
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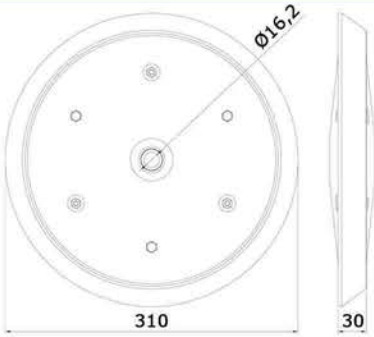


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TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMIZABLE	
CODE	GLT310x30	

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUT AND ITS PROPAGATION
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TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON / STEEL	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMIZABLE	
CODE	GLT400x115 R	

- HIGH RESISTANCE TO ABRASION AND WEAR
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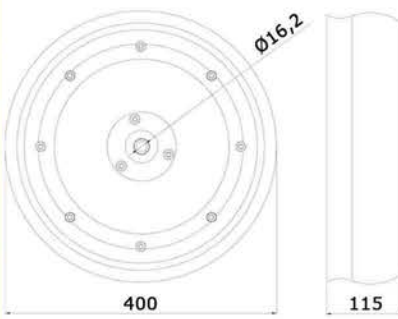


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TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON / STEEL	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMIZABLE	
CODE	GLT400x115	

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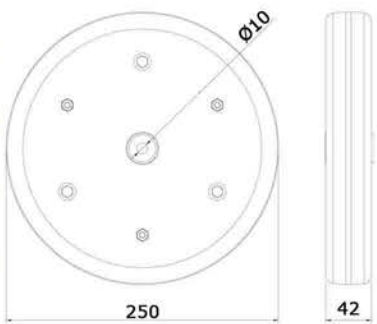
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TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON	
BEARING	n.2 6004-2RS + BUSHING	
COLOUR	CUSTOMIZABLE	
CODE	GLT250x42	

- HIGH RESISTANCE TO ABRASION AND WEAR
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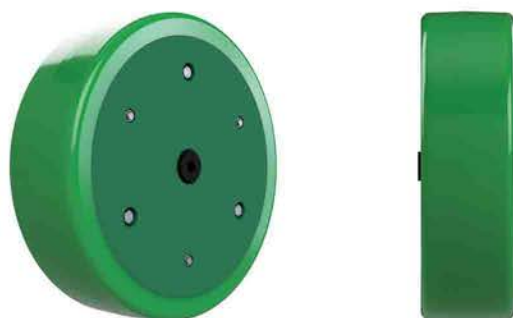
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TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON	
BEARING	2 OPTIONS	
COLOUR	CUSTOMIZABLE	
CODE	GLT330x50 (n.1 bearing Ø 16,256 mm bore)	
CODE	GLT330x50-F20 (n.2 bearings 6204-2RS Ø 20 mm bore)	

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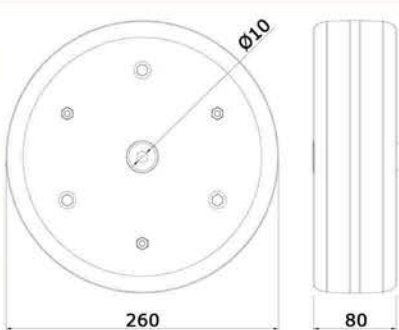


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TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON	
BEARING	2 OPTIONS	
COLOUR	CUSTOMIZABLE	
CODE	GLT260x80-F10 (n.2 bearings 6004-2RS + bushing Ø 10 mm bore)	
CODE	GLT260x80-F20 (n.2 bearings 6004-2RS Ø 20 mm bore)	

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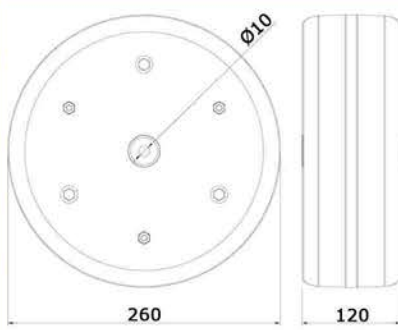


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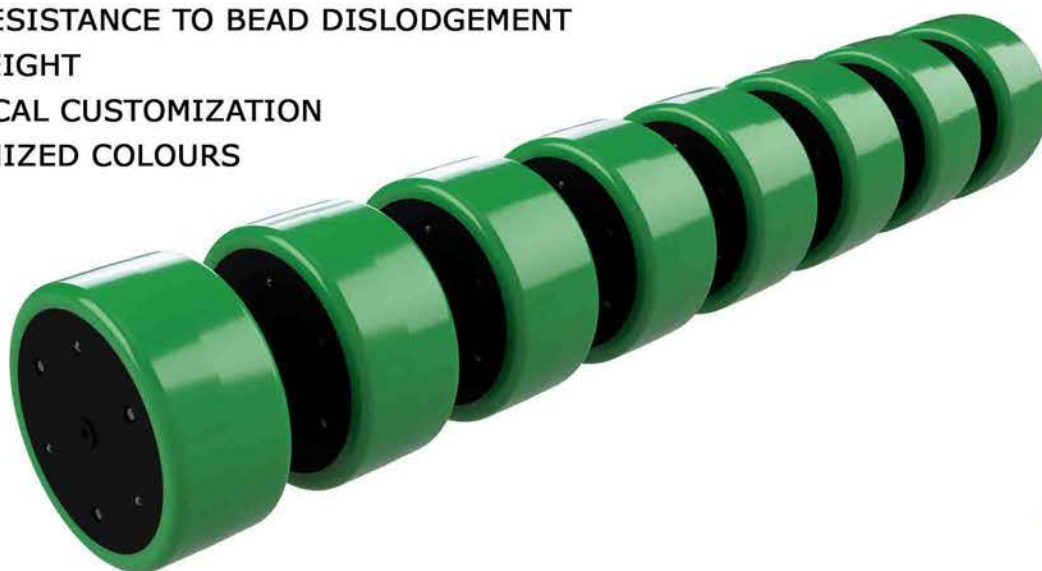


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TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMIZABLE	
RIM MATERIAL	NYLON	
BEARING	2 OPTIONS	
COLOUR	CUSTOMIZABLE	
CODE	GLT260x120-F10 (n.2 bearings 6004-2RS + bushing Ø 10 mm bore)	
CODE	GLT260x120-F20 (n.2 bearings 6004-2RS Ø 20 mm bore)	

- HIGH RESISTANCE TO ABRASION AND WEAR
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English version



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