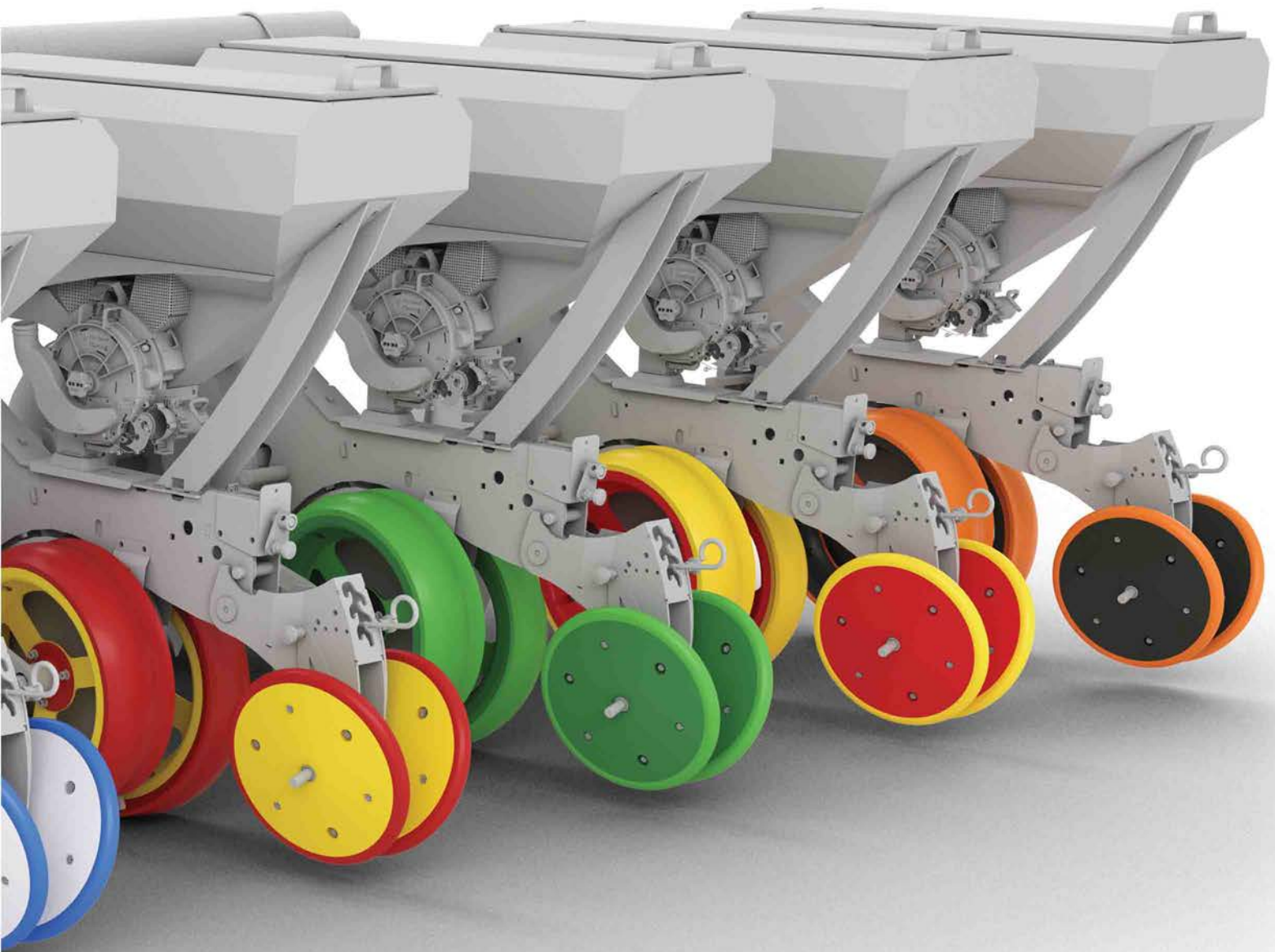


GREENLIFETIRE

100% RECYCLABLE SEEDER WHEELS



MECAPLAST

Plastic Technical Solutions

MECAPLAST

Plastic Technical Solutions

Mould Design and Construction

Injection Moulding

Metal Replacement



**The Strength of Polyurethane
for Green and Resistant Wheels**



GREENLIFETIRE
100% RECYCLABLE SEEDER 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



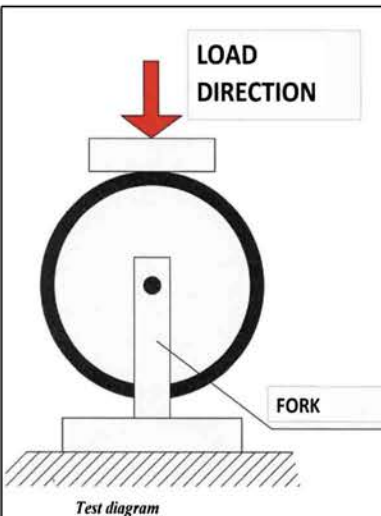
Sample GLT250x42



Abrasion data

Test method	Type of analysis	Unit	ASTM D792	DIN 53516
			Density	Abrasion
			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

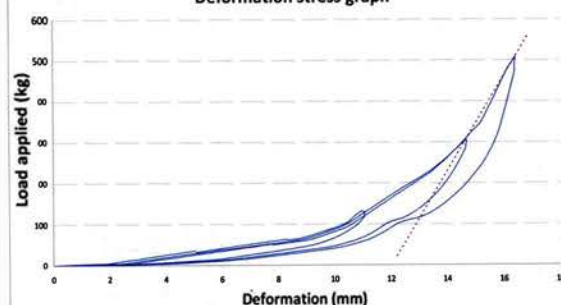


GLT 400 x 115 R model wheel

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

Deformation stress graph



Risultati delle analisi (Analysis results)

Sample was mounted on the radial load test bench with a constant speed of 8 km/h. The initial radial load was 900 N and it was incremented of 100 N every 15 minutes. After each load increment the wheel was checked looking for any damages.

The behaviour of speed and radial load during the test is represented in Figure 1.

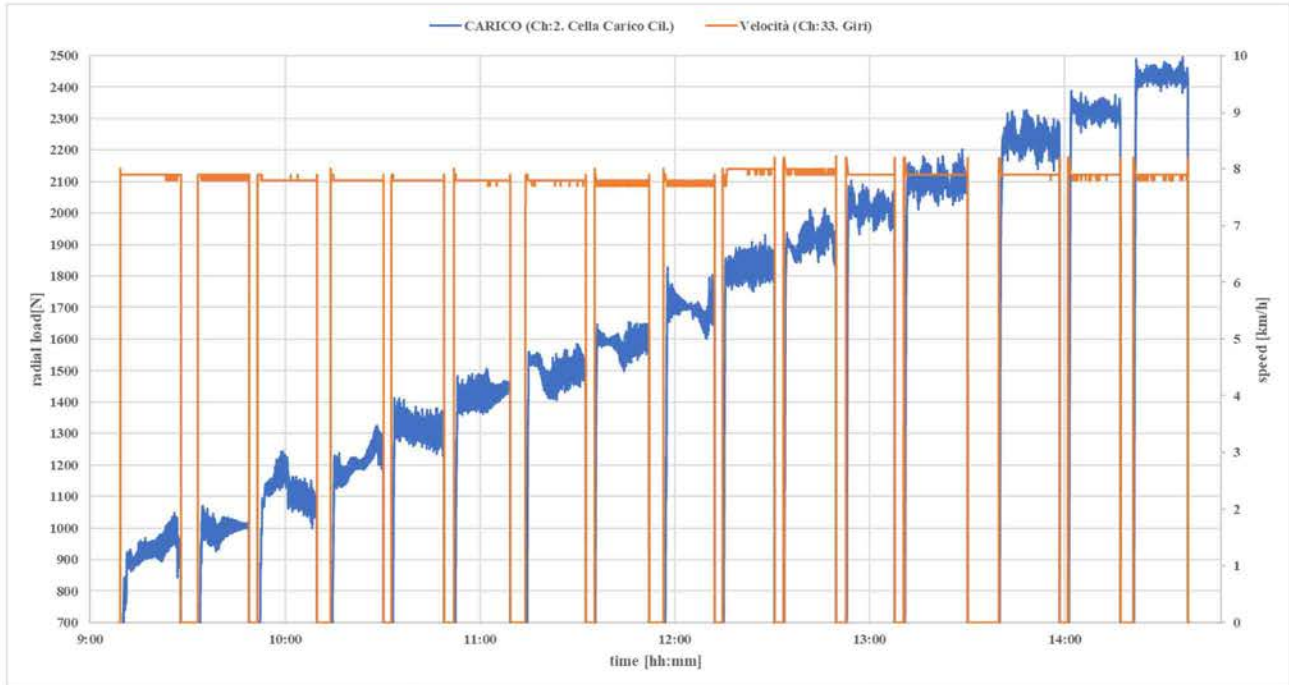


Figure 1 Radial load and speed test profile

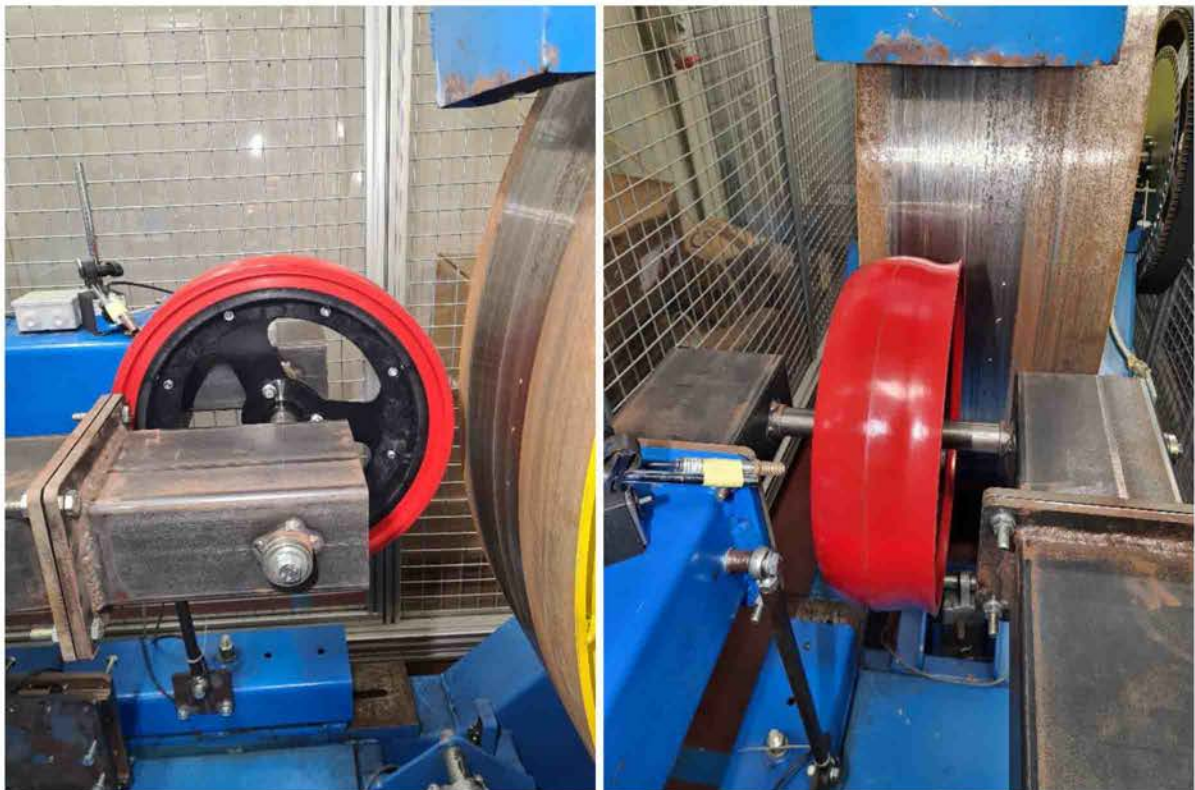
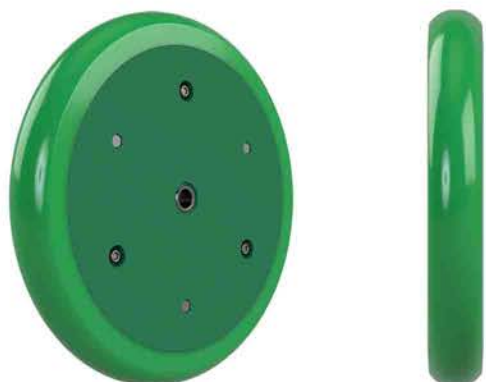


Figure 2 Sample mounted on the radial load test bench

GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

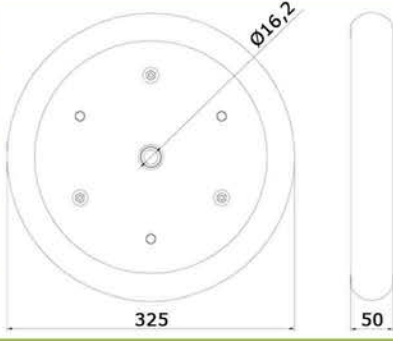


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

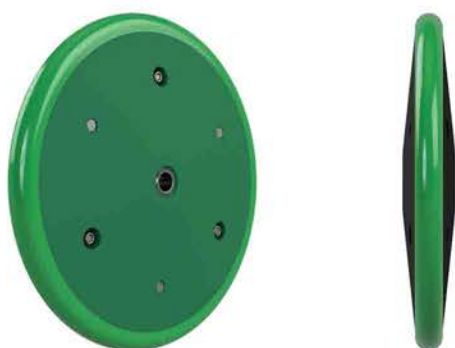
TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMISABLE	
CODE	GLT325x50	

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

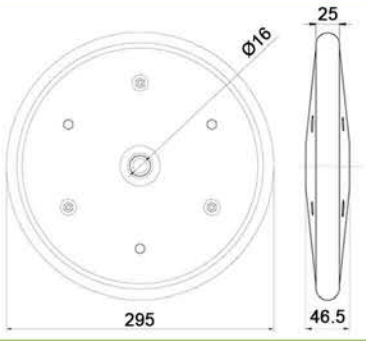


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

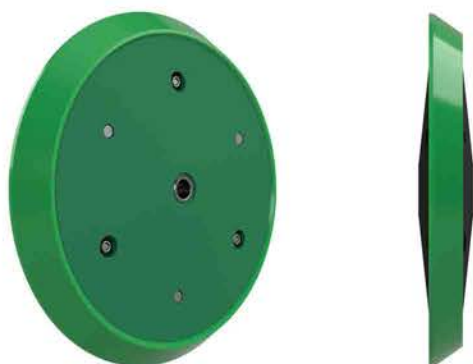
TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMISABLE	
CODE	GLT295x25	

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST



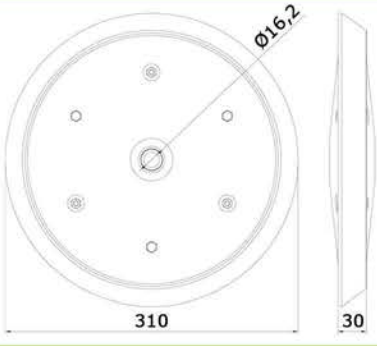
RUOTE PER SEMINATRICI

100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

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

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

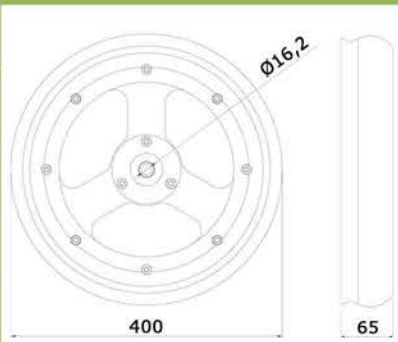


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON / STEEL	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMISABLE	
CODE	GLT400x65R	

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

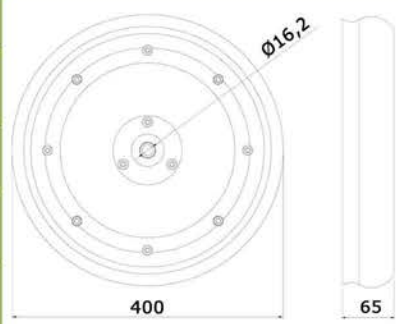


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON / STEEL	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMISABLE	
CODE	GLT400x65	



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

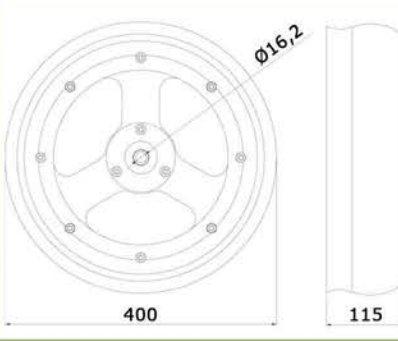


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON / STEEL	
BEARING	BORE Ø 16,256 x 44 mm	
COLOUR	CUSTOMISABLE	
CODE	GLT400x115R	

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST



RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

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

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

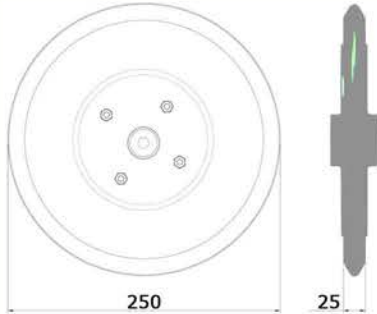


RUOTE PER SEMINATRICI
100% RICICLABILI



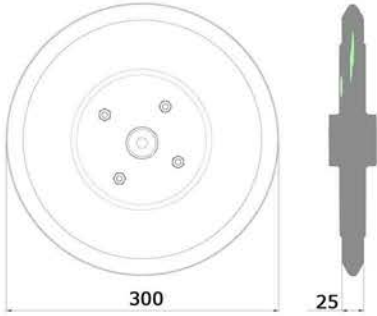
100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

TYRE MATERIAL		POLYURETHANE	
TYRE HARDNESS		60 ShA - CUSTOMISABLE	
RIM MATERIAL		NYLON	
BEARING		2 OPTIONS	
COLOUR		CUSTOMISABLE	
CODE	GLT250x25-F16 (n.1 bearing, Ø16,256 mm bore)		
CODE	GLT250x25-F20 - GLT250x25-F10		
	(n.2 6004-2RS bearings, Ø20 mm bore + n.2 bushings for Ø10 mm bore)		

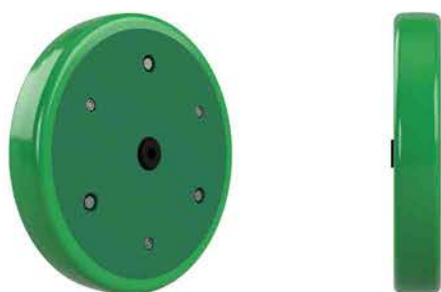


TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	75 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON	
BEARING	2 OPTIONS	
COLOUR	CUSTOMISABLE	
CODE	GLT300x25-F16 (n.1 bearing, Ø16,256 mm bore)	
CODE	GLT300x25-F20 - GLT300x25-F10	
	(n.2 6004-2RS bearings, Ø20 mm bore + n.2 bushings for Ø10 mm bore)	

GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

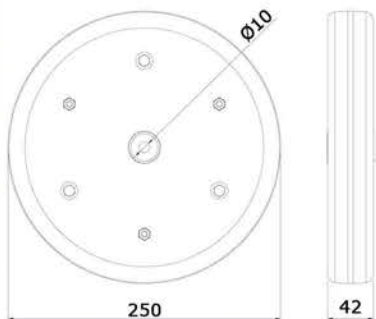


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

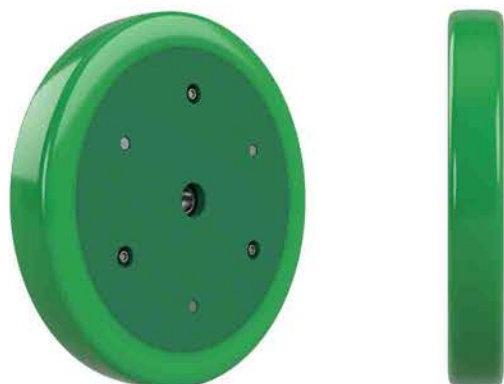
TYRE MATERIAL		POLYURETHANE	
TYRE HARDNESS		95 ShA - CUSTOMISABLE	
RIM MATERIAL		NYLON	
BEARING		n.2 6004-2RS + n.2 BUSHINGS	
COLOUR		CUSTOMISABLE	
CODE	GLT250x42-F10 (n.2 6004-2RS bearings, Ø20 mm bore + n.2 bushigs, Ø10 mm bore)		
CODE	GLT250x42-F20 (n.2 6004-2RS bearings, Ø20 mm bore)		

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

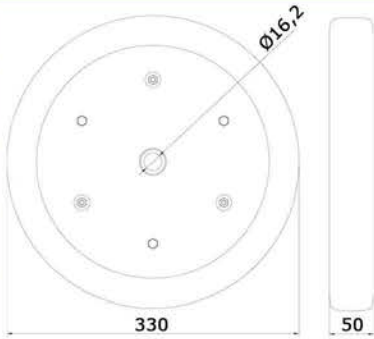


RUOTE PER SEMINATRICI
100% RICICLABILI



100% RECYCLABLE
SEEDER WHEELS

TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON	
BEARING	2 OPTIONS	
COLOUR	CUSTOMISABLE	
CODE	GLT330x50 (n.1 bearing, Ø16,256 mm bore)	
CODE	GLT330x50-F20 (n.2 6204-2RS bearings, Ø20 mm bore)	

- HIGH RESISTANCE TO ABRASION AND WEAR
- HIGH RESISTANCE TO CUTTING AND TEAR PROPAGATION
- EXCELLENT ELASTIC RESPONSE AND SOIL RELEASE
- HIGH RESISTANCE TO TYRE BEAD UNSEATING
- LOW WEIGHT
- TECHNICAL CUSTOMISATIONS
- COLOUR CUSTOMISATIONS



GREENLIFETIRE

PATENTED AND MANUFACTURED BY MECAPLAST

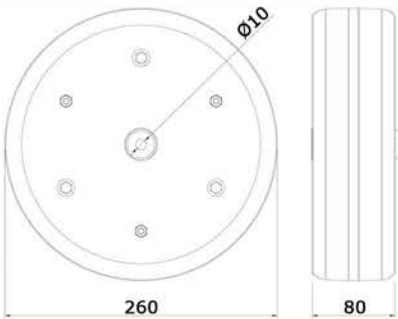


RUOTE PER SEMINATRICI
100% RICICLABILI



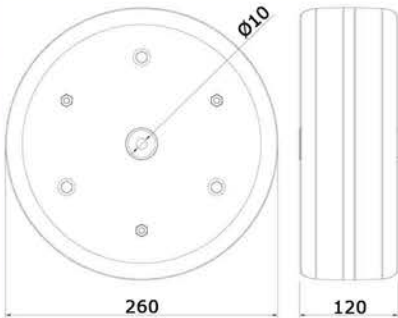
100% RECYCLABLE
SEEDER WHEELS

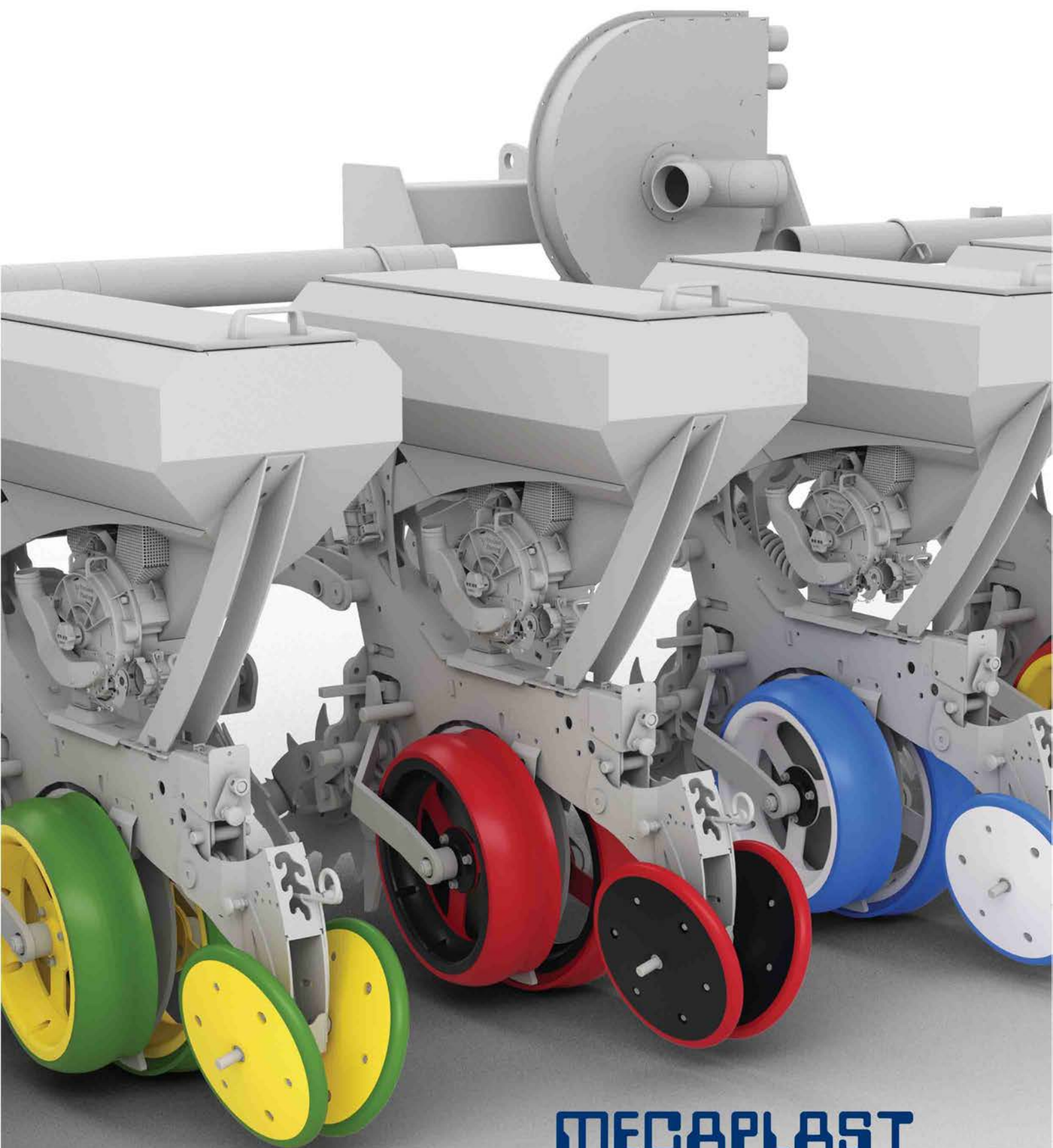
TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON	
BEARING	2 OPTIONS	
COLOUR	CUSTOMISABLE	
CODE	GLT260X80-F10	
	(n.2 6004-2RS bearings, Ø20 mm bore + n.2 bushings, Ø10 mm bore)	
CODE	GLT260X80-F20 (n.2 6004-2RS bearings, Ø20 mm bore)	



TECHNICAL SPECIFICATIONS

TYRE MATERIAL	POLYURETHANE	
TYRE HARDNESS	95 ShA - CUSTOMISABLE	
RIM MATERIAL	NYLON	
BEARING	2 OPTIONS	
COLOUR	CUSTOMISABLE	
CODE	GLT260X120-F10	
	(n.2 6004-2RS bearings, Ø20 mm bore + n.2 bushings, Ø10 mm bore)	
CODE	GLT260X120-F20 (n.2 6004-2RS bearings, Ø20 mm bore)	



MECAPLAST

di CONTI EMANUELE & C s.a.s

Via Montesanto, 48/a

42021 Ghiardo di Bibbiano (RE) ITALY

www.mecaplast.re.it

Tel. +39 0522 882 338 - info@mecaplast.re.it