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Durability

Performance

Safety

Longevity

HIGH PERFORMANCE TYRES

In an era where every aspect of quality, time and safety are highly sensitive, modern-day industrial & logistics operations demand a high degree of efficiency and reliability.

Kragos has been built to support this intent – with a robust, high reliability offering for solid tyres. Pioneers and leaders in the tyre and rubber industry, with combined experience of over 100 man-years in the space with leading multinational tyre brands, have worked actively to create a new-age solid tyre technology. And this reflects in the innovation and engineering excellence that Kragos tyres are built on – leading to a proven track record and acceptance on every continent across the world.

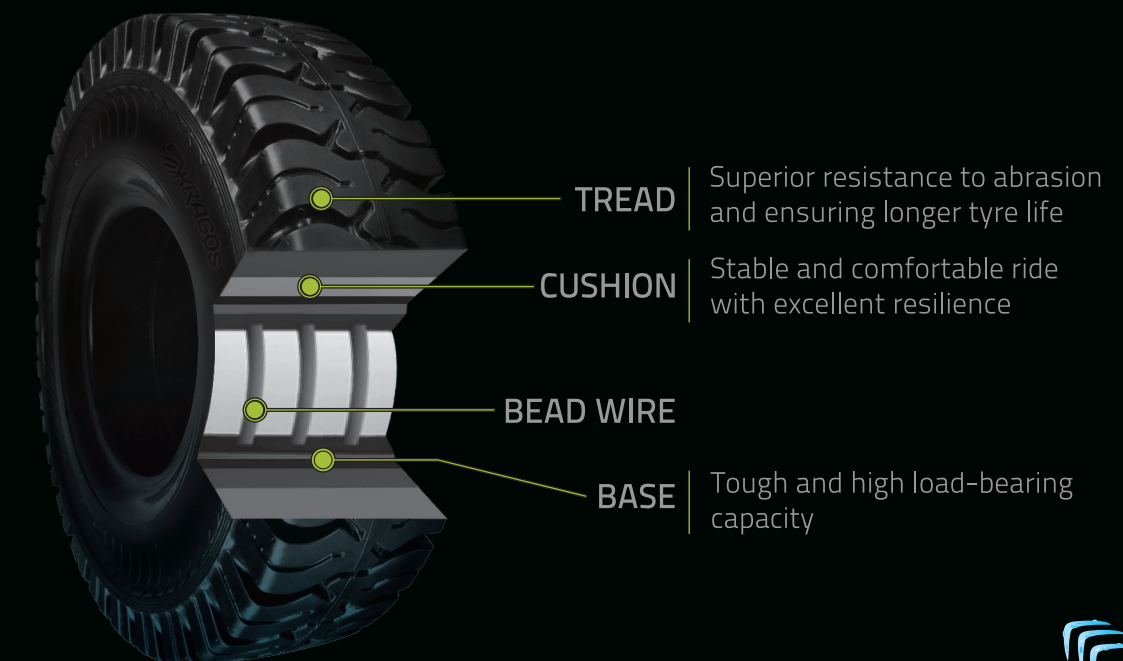
TRULY SUPERIOR...

Our state-of-the-art infrastructure, manufacturing expertise and quality systems ensure a superior product which is reliable and performs to best-in-class standards. We use premium compounds to significantly reduce heat and build our tyres using a unique **ThermExpel** technology to maximize heat dissipation - which means better performance and longer life.

- High performance rating – leading to superior performance
- World-class technology with low rolling resistance for maximum tyre life
- Cushion effect to enhance operator comfort and reduce operator fatigue
- Low heat absorption to maximize load carrying capacity and further enhance tyre life
- Substantial cost savings

→ Through superior shock loading characteristics leading to reduced wear and tear of major components of the equipment

→ Smooth functioning resulting in minimized fuel and energy consumption



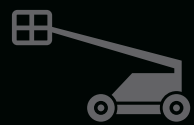
ThermExpel
TECHNOLOGY

PRODUCT RANGE

Our products find application across diverse equipment including forklifts, reach trucks, compactors and other material handling & industrial equipment.

Kragos comes in choices of 2 and 3 layer resilient tyres and is available in a wide range of sizes for different operating conditions and surfaces – no matter what your requirement, you will find a product in the Kragos portfolio ideally suited to your need.

Available with range of special compounds for non-marking, heat-resistant, rough environment, low temperature, oil-resistant and anti-static use.



Aerial



Port Trailer



Compactor



Skidsteer



Telehandler



Tow Truck



Trailer



Reach Stacker



Forklift



Rough Terrain Forklift

SOLID RESILIENT

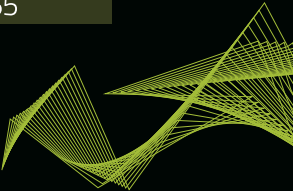
			LOAD CAPACITY IN KG				
			Fork Lift Truck – 16 mph		Industrial Vehicles		
	Size*	Rim Size	Load Wheel -16 mph	Steering Wheel – 16 mph	16 mph	6 mph	4 mph
8	4.00-8	3.00D	950	730	730	860	950
	4.00-8 – RIB	3.75	950	730	730	860	950
	15 X 4 1/2-8	3.00D	1.040	800	800	940	1.040
	5.00-8 – RIB	3.00D/3.75	1.415	1.090	1.090	1.285	1.415
	5.00-8	3.00D/3.50	1.415	1.090	1.090	1.285	1.415
	16 X 6-8	4.33R	1.455	1.120	1.120	1.320	1.455
	18 X 7-8	4.33R	2.145	1.650	1.650	1.945	2.145
9	6.00-9	4.00E	1.885	1.450	1.450	1.710	1.885
	21 X 8-9	6.00E	2.755	2.120	2.120	2.505	2.755
10	200/50-10	6.50	2.470	1.900	1.900	2.240	2.240
	6.50-10	5.00F	2.340	1.800	1.800	2.125	2.340
	23 X 9-10	6.50E	3.445	2.650	2.650	3.125	3.445
12	7.00-12	5.00S	2.920	2.240	2.240	2.645	2.920
	23 X 10-12	8.00G	3.770	2.900	2.900	3.420	3.770
	27 X 10-12	8.00G	3.900	3.000	3.000	3.450	3.900
15	7.00-15	5.50	3.545	2.725	2.725	3.215	3.545
	7.50-15	5.50/6.00	3.880	2.980	2.980	3.510	3.880
	28 X 9-15	7.00	3.445	2.650	2.650	3.125	3.445
	8.25-15	5.50/6.50	4.750	3.650	3.650	4.300	4.750
	250-15	7.00/7.50	4.750	3.650	3.650	4.300	4.750
	300-15	8.00	5.850	4.500	4.500	5.310	5.850
20	9.00-20	6.50/7.00	5.340	4.450	4.450	4.885	5.340
	10.00-20	7.50/8.00	6.000	5.000	5.000	5.455	6.000
	11.00-20	8.00	6.510	5.245	5.245	5.910	6.510
	12.00-20	8.0/8.50	7.500	6.250	6.250	6.810	7.500

*Custom sizes offered in solid resilient tyres.
All efforts are made to ensure best accuracy in data and information provided herein However, Solidite or any of its subsidiaries assume no responsibility towards application of the data as conditions of application are beyond our control.

PRESS-ON BANDS

		LOAD CAPACITY IN KG - FORKLIFT TRUCKS			
Tyre Size		Load Wheel		Steering Wheel	
Inch	mm	6 mph	10 mph	6 mph	10 mph
13 x 4 1/2 x 8	330 x 114 x 203.2	1120	970	920	800
14 x 4 1/2 x 8	356 x 114 x 203.2	1170	1020	960	830
16 x 5 x 10 1/2	406 x 127 x 266.7	1510	1310	1240	1080
16 x 6 x 10 x 1/2	406 x 152 x 266.7	1910	1660	1570	1360
15 x 5 x 11 x 1/4	381 x 127 x 285.8	1390	1210	1140	990
16 1/4 x 5 x 11 1/4	413 x 127 x 285.8	1530	1330	1250	1090
16 1/4 x 6 x 11 1/4	413 x 152 x 285.8	1920	1670	1580	1370
18 x 6 x 12 1/8	457 x 152 x 308	2100	1820	1720	1500
18 x 7 x 12 1/8	457 x 178 x 308	2550	2225	2100	1820
21 x 6 x 15	533 x 152 x 381	2350	2050	1930	1680
21 x 7 x 15	533 x 178 x 381	2875	2500	2350	2050
21 x 8 x 15	533 x 203 x 381	3375	2950	2775	2425
22 x 6 x 16	559 x 152 x 406.4	2450	2125	2000	1740
22 x 8 x 16	559 x 203 x 406.4	3500	3050	2875	2500
22 x 9 x 16	559 x 229 x 406.4	4050	3500	3325	2875
22 x 10 x 16 S	559 x 254 x 406.4	4575	4080	3750	3425
22 x 12 x 16 S	559 x 305 x 406.4	5625	4900	4625	4025
22 x 14 x 16 S	559 x 356 x 406.4	6580	5730	5410	6840
22 x 16 x 16 S	559 x 406 x 406.4	7500	6530	6165	7795
28 x 16 x 22 S	711 x 406 x 559	8625	7510	7090	8965

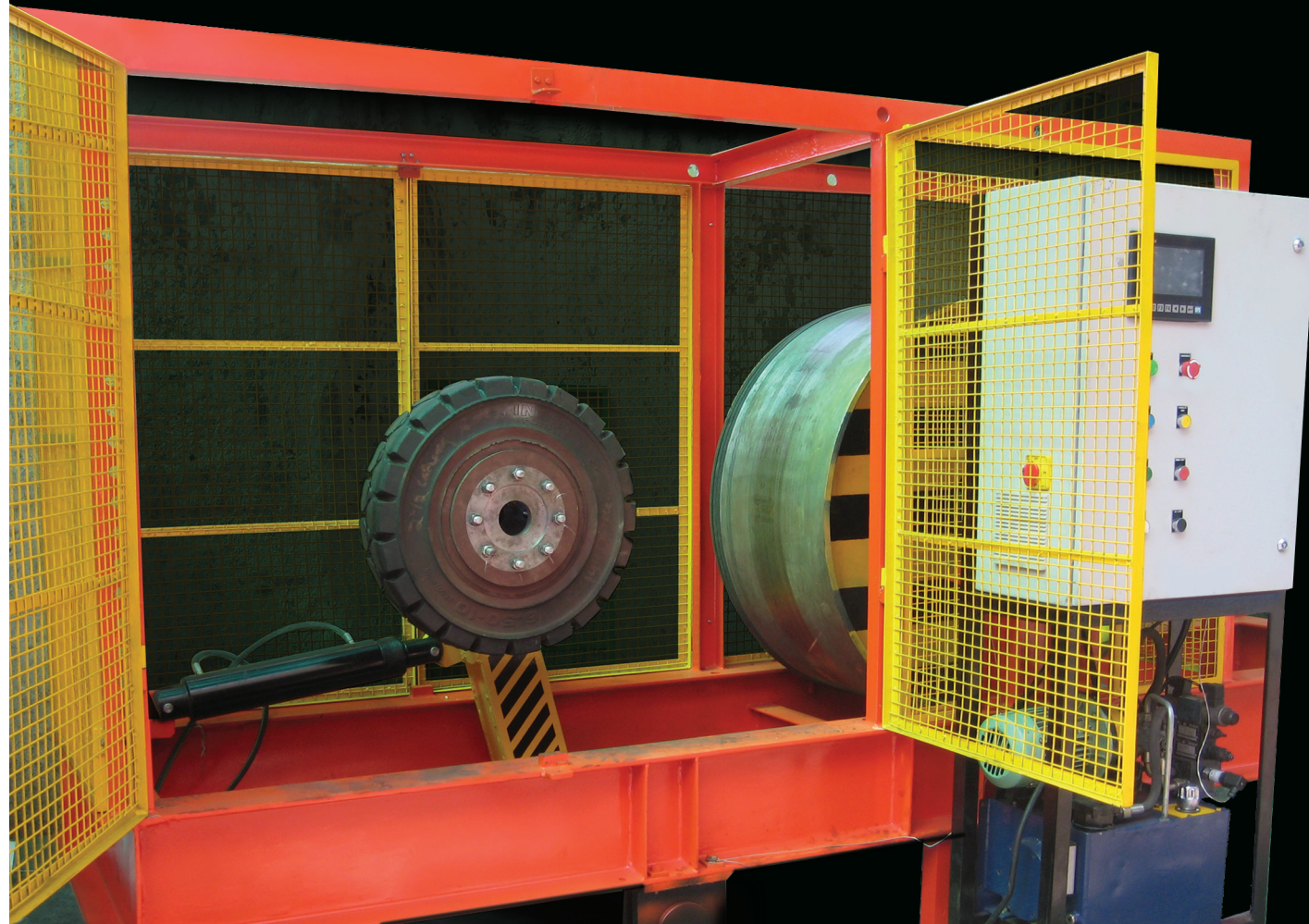
All dimensions are nominal and we reserve the right to make changes at any time without notice.



THE CUTTING-EDGE OF QUALITY

Kragos is manufactured at state-of-the-art plants with modern equipment, which conform to international standards of quality and reliability. Our manufacturing process is ISO 9001 certified and working towards ISO 16949 and ISO 14000 certifications.

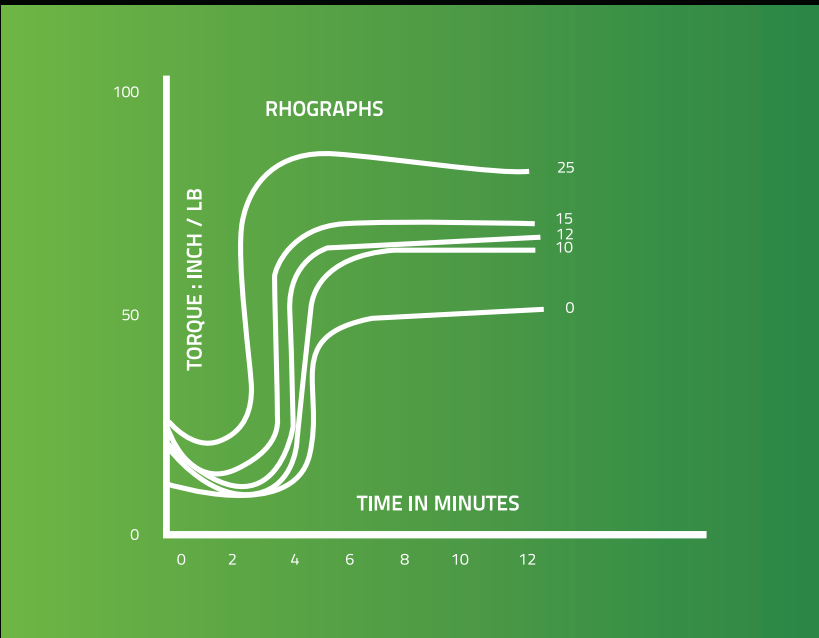
- Quality certified plants
- Certified environment-friendly raw material
- Controlled consumption of natural resources
- Continuous Improvement Programs to reduce waste generation
- Complying to all environmental norms by eliminating usage of recognized toxic materials



The historic and mythologically-rich region of Lycia - more specifically, the Lycian god Kragos, worshipped for his superhuman strength - provides inspiration for the Kragos brand of solid tyres. Much like this Lycian god, our range of tyres are renowned for their super strength and longevity.



Optimal Hardness



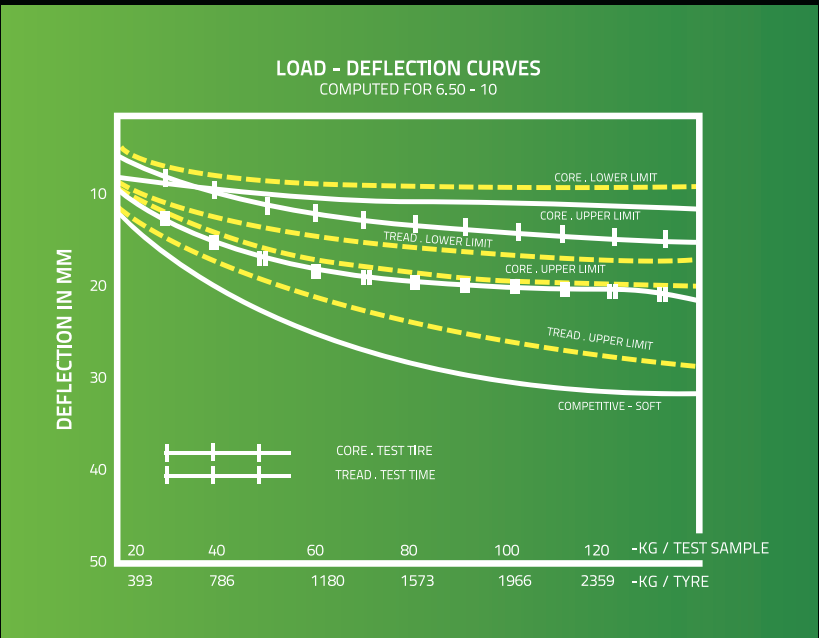
Kragos tyres provide the ideal levels of stiffness without brittleness. This is designed on the basic scientific principle that increase in hardness of compound leads to more brittle stock. In solid tyres, this can result in layer separation and / or chunking and chipping.

The Kragos design is based on a contemporary concept of using Nylon Fibre Matrices to reinforce the core. Typical influences of this Matrix on the base rubber is as showcased above.

This proprietary technique forms one of the foundational principles behind our unique ThermExpel technology.



Load Deflection Curves

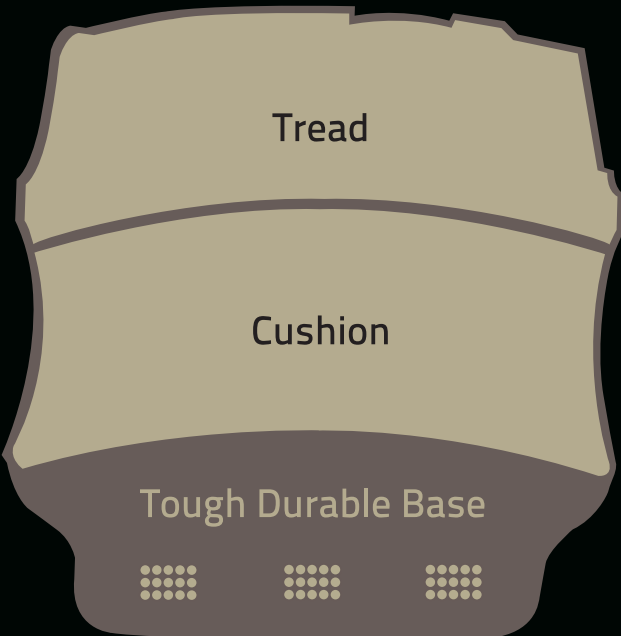


Ultimately, the superior performance of a solid tyre is dependent upon the load deflection characteristics of its individual components. When integrated, the load deflection properties of a finished tyre is the sum total of these characteristics.

Showcased above is the behaviour of individual components of a Kragos tyre under specific loads. This behaviour has been benchmarked to the load deflection metrics of two world-leading solid tyre brands – one of them being the toughest and the other being the best cushioned by far. These comparisons indicate that Kragos' performance on load deflection is well within accepted limits.



Loadbearing Capacity

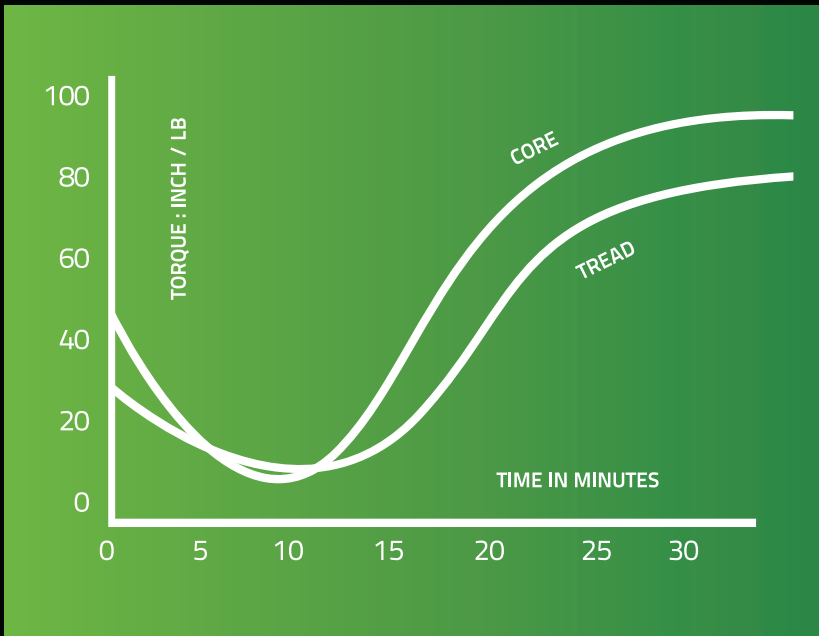


Kragos solid resilient tyres are engineered to provide high load-bearing capacities and are chemically treated to protect the tyre against all deleterious effects of atmospheric oxygen, ozone flex, fatigue and shear.

Kragos tyres are appropriately designed for front (load) and rear (steering) wheels for lift and industrial vehicles conforming to ETRTO, T&RA and JATMA norms.



Compound Testing



Compounds used for Kragos tyres are tested on an advanced model of a Rheometer to control initial viscosity, minimum viscosity, scorch time, optimum cure time and behaviour after completion of cure.

Each batch is tested to ensure that it conforms to specified limits as per typical curves of tread compound and core (showcased above).