RÄDER-VOGEL® WHEEL PRODUCTION FACILITY

BAYER® has been manufacturing Urethane production equipment since 1946 and provides assistance in the production and testing of VULKOLLAN® and Premium Urethane wheels to assure consistent quality performance.

BAYER® assures the end user the right chemical composition and pouring temperature of the Urethanes and VULKOLLAN® to achieve the proper quality and durometer required.

RÄDER-VOGEL® has been producing VULKOLLAN® and premium urethanes since 1946 and has the most modern automated urethane production facility in the world.



CNC Lathe



CNC Lathe



CNC shotblasting installation



CNC bonding agent application



Automatic prepolymer production unit

RÄDER-VOGEL® WHEEL PRODUCTION FACILITY



Longitudinal casting oven



Rotary casting table



Curing room



CNC turning machine



Painting line



Test stand

TRACTOTHAN® / VULKOLLAN®

VULKOLLAN® tread material is expensive, but its specific properties – except traction – makes it the best read material for wheels having to meet the highest standards concerning speed, load capacity, resilience, resistance to abrasion, etc.

TRACTOTHAN® is a material developed by RÄDER-VOGEL® with all the same outstanding properties as VULKOLLAN®, but in addition it has far better traction due to a higher coefficient of friction. TRACTOTHAN® is produced in a special patented production process. Special polyurethane granules, having a lower shore hardness are integrated into the entire VULKOLLAN® tread, which increases the road grip and lowers the risk of sliding.

TRACTOTHAN® improves starting properties, reduces slip, increases the braking effect and is therefore best suited for universal use due to the improved in-plant operating safety.

Many plant floors are becoming more slippery, due to various new types and coatings. Operating on dry, as well as wet and dirty floors during in-plant transportation or in damp and wet environments such as cold storage rooms, slaughter houses, wheels with TRACTOTHAN® (above 5 mph) are definitely the best alternative for improved plant operating safety. Below 5 mph, TRACTOPUR® wheels may be a lower cost alternative. (See TRACTOPUR® in the Urethane section.)

Leading industrial truck and gear motor manufacturers are changing to TRACTOTHAN® in their drive wheels for speeds above 5 mph. Call us to discuss any application.



TRACTOTHAN® wheels are used for in-plant transportation on fine, smooth as well as wet and dirty floors. The stopping distance is reduced and therefore plant safety is increased.

VULKOLLAN® Wheels are available for any size caster and hub length.

VULKOLLAN® and TRACTOTHAN® are available from 85 to 93 Shore A durometer.

VULKOLLAN® 93 SHORE A / TRACTOTHAN® 93 SHORE A

VULKOLLAN® and TRACTOTHAN® ISO Specifications are available for 85 to 93 Shore A Durometers.

| Mechanical Features | | VULKOLLAN® 93 Shore A | TRACTOTHAN® 93 Shore A |
|---|------------|------------------------------|------------------------|
| Shore Hardness A | DIN 53 505 | 93 | 93 PU-Inclusions |
| Density in g/cm3 | DIN 53 479 | 1.26 | 1.25 |
| Elongation at rupture in % | DIN 53 504 | Approx. 600 | Approx. 600 |
| Tensile stress in MPa at 100% | DIN 53 504 | 9 – 9.5 | 9 – 9.5 |
| Modulus of elasticity in MPa at 20 C | DIN 53 457 | 80 – 90 | 80 – 90 |
| Impact resilience in % | DIN 53 512 | 55 – 60 | 55 – 60 |
| Resistance to tear propagation in kN | DIN 53 515 | 55 – 60 | 55 – 60 |
| Compression set in % 70 h. 23 C | DIN 53 517 | 10 – 11 | 10 – 11 |
| Abrasion loss in mm3 | DIN 63 516 | 39 | 40 |
| Coefficient of friction (traction) on wet floor at 8000 N | | 0.10 | 0.15 |
| Rolling resistance at 20 C in % of charge | (average) | 0.8 - 0.9 | 0.9 – 1.0 |
| Starting resistance at 20 C in % of charge | | 1.1 – 1.4 | 1.2 – 1.5 |

VULKOLLAN® and **TRACTOTHAN®** are registered trademarks.

All values indicated in this table are approximative values resulting from our own tests or information given by our raw material suppliers. The normed values refer to special test samples, so that these values are not directly applicable for wheels and casters. Furthermore, these values change under such influences as temperature, humidity, duration of charge compression, etc.

Complete technical specifications are available for all wheels.

VULKOLLAN® / TRACTOTHAN® / PEVOPUR® / PEVOTHAN®

| WLKOLLAN [®] TRACTOTHAN [®] | 93° Shore | | Mat | Material | |
|---|------------|------------|----------------------|----------------------|-------------|
| TRACTOPUR" PEVOPUR" | 83" Shore | | | | |
| mechanical features. | | VULKOLLAN* | TRACTOTHAN* | TRACTOPUR* | PEVOPUR* |
| State hardness A | DIN 53 506 | h | 93" PU-lectusions | 93° PU-inclusions | ,ca |
| Dessity is gionn' | DIN 53 479 | 178 | 1,25 | 123 | 1.23 |
| Elongation at rupture in % | DIN 53 604 | Mores 600 | tithow 930 | Approx. 500 | approx. 600 |
| tensite stress in MPa at 100% | DIN 53 504 | 0-05 | 50-0 | 51'9 × 61 | £8-4 |
| Modulus of elasticity in MPs at 2010 | DIN 53 457 | PH - O01 | 05-00 | 06-09 | DE = 09 |
| Impact resilience in % | DIN 53 612 | D9-50 | 09-90 | 95-56 | 55 - 05 |
| Resistance to lear propagation in kNUm | DINSBEIE | 10-11 | 50-55 | 45-39 | 45 - 30 |
| Compression and in % 73 h, 23 °C | DIN 53 517 | 16-11 | 10-11 | 11-12 | 11.12 |
| Abrasion loss in mm* | DIN 53.510 | 56 | Dr. | 27 | Ŧ |
| Coefficient of friction (Nauson), uniwer (Born at 8000 N | | 0,10 | 3,15 | 0.15 | 0.10 |
| Roding resistance at 20°C in % of charge | (autilia) | 0,8 - 0,9 | 0,2 - 5,0 | 5.05-1.05 | 3,65 - 0,25 |
| Starting misstance at 20°C in % of charge | | 11-14 | (12-13 | 10,1 × 10,1 | 1.15 - 1.46 |

VILKO, LAN" - ingraved track at EAVER AD, TRACTOTHAN", TRACTOPLIN" and PEVOPUR" a registered track at the DEE NYDGEL At values indicated in this table are approximative Values resulting from our own fields or instrumetions given by our row material supariers.

No legal obligation / Dated April 1998

The numbed losts offer to special test samples, so that here are not directly applicable for wheels and dasters. Furthermore have value directs under such inflammes tills temporature, handlig, datafan of drags, completation, viola

VULKOLLAN® Wheels

Rollers and wheels are major application areas for VULKOLLAN®, since they exposed to many stresses. The behavior of the material VULKOLLAN® under dynamic stress can be determined on a roller test bed. The advantage over other dynamic tests is that finished parts, can be tested under conditions similar to those encountered in practice.

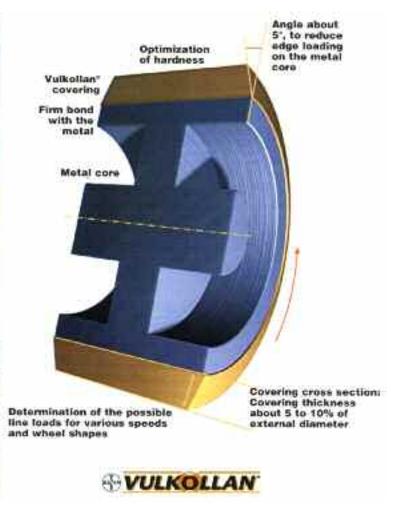
VULKOLLAN's® special combination of properties has already been verified by various institutions, including the Technical Inspection Authorities in Munich and the Materials Handling Institute at the Technical University of Berlin and by many AGV and vehicle manufacturers. The outstanding load-bearing capacity of VULKOLLAN® rollers has been confirmed in all areas.

While testing the elastomer on the roller test bed, the quality of the VULKOLLAN® bond to the metal core and information about the optimum cross section can also be obtained.

Call toll-free to make use of our extensive experience of VULKOLLAN® applications: 800-523-5474







RÄDER-VOGEL®



VULKOLLAN® and TRACTOTHAN®

VULKOLLAN® is the best of the urethane wheels (600% plus elongation to rupture) with dual sealed, pre-loaded precision ball bearings for heavy duty and speeds above 8 mph.

For use in heavy duty casters, AGV's, power towing, lift trucks, pallet trucks, trollies, press-ons, drive wheels.

RÄDER-VOGEL® produces Vulkollan™ for moving and driving loads up to 10 tons (20,000 lbs) and more. Wheel diameters up to 920 mm (36.22 ins.)

Made the Hot-Cast Way

Any size or shape to print or for use in any series caster rig or application.

Vulkollan® Is Ideal For:

Drive wheels and high speed applications.

VULKOLLAN® Properties



SHORE HARDNESS

Shore Hardness is determined by testing the indentation resistance. The indentation resistance with which the elastomer opposes a spring-mounted needle is measured and displayed on a scale of 0 to 100. Shore A testing is used for softer elastomers. The Shore D scale is preferred from about 90 Shore A.



ABRASION

Abrasion is measured by various methods, normally according to ISO 4649 ("abrasion roll") and ISO 9352 ("Taber"). The elastomer specimens are rubbed with defined grinding media and abrasion is determined by loss of weight or volume. Low abrasion values denote high resistance to wear.



ULTIMATE TENSILE STRENGTH

Tensile Stress is measured on specially shaped test bars in tensile testing machines and is indicated as a function of the strain. Testing is normally at 100%, 300% and a breakage.

VULKOLLAN® displays very high strength values. The test bars only tear after elongation to over 7 times the original length. Tensile strength testing is frequently used for quality control.



COMPRESSION DEFORMATION

The residual deformation after sustained compressive deformation is measured by determining the compression set. The test stoppers are deformed to a specific extent at defined temperatures and for defined temperatures and for defined periods. Recovery is then determined. Low values denote low permanent set.



TEAR PROPOGATION RESISTANCE

Tear propogation resistance is measured by stretching a notched specimen. High tear propogation resistance values denote reliable performance even of damaged parts.



REBOUND RESILIENCE

Rebound resilience is measured with a falling hammer. The higher the rebound, the less energy is absorbed in the elastomer and converted into heat.



RÄDER-VOGEL® Wheels - Index

| RÄDER-VOGEL® WHEELS | PAGE # |
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| PEVOSOFT® & PEVOPUR® | 131-136 |
| PE•VO•LON® | 137-139 |
| PEVOLASTIC® / PEVOTHAN® | 140-143 |
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VULKOLLAN® WHEELS

Visit our Web site for new products www.acornindprod.com



PEVOSOFT® ALUMINUM CORE



PEVOPUR® ALUMINUM CORE



PEVOSOFT® CAST IRON CORE



PEVOPUR® CAST IRON CORE



PE•VO•LON®



PEVOLASTIC®



PEVOTHAN®





GUIDE ROLLERS & GUIDE WHEELS



PALLET ROLLERS & PRESS-ON TIRES

RÄDER-VOGEL® - VULKOLLAN®

VULKOLLAN®

Rubbery-Elastic VULKOLLAN® in its classic form is a polyurethane elastomer based on naphthalane 1,5-disocyanate (Desmodur™ 15), polyester polyol and special chain extenders. VULKOLLAN® is produced by hot casting.

The raw materials used for VULKOLLAN® are subject to tight specifications and strict quality controls. All licensed processors must follow BAYER'S® guidelines for VULKOLLAN® formulations and production processes, otherwise they cannot use the name VULKOLLAN®.

Required guidelines are covered by a trademark agreement between BAYER® and RÄDER-VOGEL® and are essential for the production of consistently high quality elastomers.

Some USA wheel producers claim a material equal to VULKOLLAN®; but if they are not licensed by BAYER®, it is not the same.

VULKOLLAN® wheels take up to 4 weeks to produce, due to the stabilizing requirements needed. Thus it is important to allow adequate time for any application.

Both RÄDER-VOGEL® and Acorn™ stock many of the VULKOLLAN® wheels and are continuously increasing stock for JIT deliveries to OEM, AGV, Automotive and Industrial Customers.

VULKOLLAN® – the best of the Urethanes – is designed to take heavy loads, under demanding conditions, and a must for speeds above 5 mph.



Stated loads shown are for operation under ideal conditions, i.e. the wheel operates infrequently on a smooth surface without axial loading.

Thus load ratings must be reduced for operation under any or all of the following conditions:

- Frequent use in excess of 45 minutes continuous: reduce loadings by 25%
- **Driving applications:** reduce loadings by 30%
- Speeds 6-10 kph (3.73 6.21 mph): reduce loads by 20%
- Speeds10-16 kph (6.21 10 mph): reduce loadings by 30%

It is important to note that the above reduction in ratings are cumulative if more than one of the conditions exists.

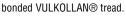
Please contact our application department for advice if the wheels are subject to high humidity, speeds in excess of 16 kph (10 mph), exposure to chemicals, steering or running on a curved surface.

RÄDER-VOGEL® - VULKOLLAN® / Cast Iron Core

Series 178 – VULKOLLAN® Load Wheels

A highly elastic cross-linked polyurethane elastomer produced on the basis of Desmodur® 15 of BAYER® AG. Among the excellent mechanical characteristics of VULKOLLAN® are: high dynamic load capacity, higher abrasion and tear propagation resistance than most other materials; the highest modulus of elasticity of all elastomers; good mechanical wear resistance and impact resilience as well as a low compression set. Furthermore, VULKOLLAN® offers good chemical resistance to mineral oils and greases and different solvents. It is specially recommended for high requirements regarding load capacity, rebound resilience, speed and durability. Therefore, VULKOLLAN® is preferred for drive wheels for industrial trucks, in material handling and mechanical engineering.

Grey cast iron center with ball bearings (/5). Direct





| 52 Ya | 2 |
|----------|---------|
| 4 | N 10 |
| 7 | 9 |
| | |

Series 178 with Precision Bearings

25.4 mm = 1 inch 1 kg = 2.2 lbs

| <u> </u> | (3) | 101 | -£1- | +6 >+ | 合; | (0) | 8 |
|---------------------|-----|-----|------|-------|------|-----|-------|
| Ordering Number | FEE | 197 | 19.6 | (10) | F10 | 700 | *** |
| 178/100/025/5/15 | 100 | 25 | 25 | 26 | 42 | 15 | 200 |
| 178/100/035/5/12 | 100 | 35 | 40 | 40 | 42 | 12 | 300 |
| 178/100/040/5/15 | 100 | 40 | 45 | 42 | 45 | 1.5 | 350 |
| 178/100/040/5/15 B* | 100 | 40 | 45 | 42 | 45 | 15 | 350 |
| 178/100/040/5/25 | 100 | 40 | 45 | 45 | 54 | 2.5 | 350 |
| 178/100/050/5/20 B* | 100 | 50 | 50 | 54 | 2400 | 20 | 450 |
| 178/100/050/5/25 | 100 | 50 | 50 | 54 | - 5 | 25 | 450 |
| 178/100/050/5/25 | 100 | 50 | 50 | 48 | | 25 | 450 |
| 178/125/040/5/15 | 125 | 40 | 45 | 45 | 42 | 15 | 450 |
| 178/125/040/5/20 | 125 | 40 | 45 | 43 | 60 | 20 | 450 |
| 178/125/050/5/20 | 125 | 50 | 50 | 54 | 59 | 20 | 560 |
| 178/125/050/5/25 | 125 | 50 | 50 | 54 | 59 | 25 | 560 |
| 178/125/050/5/25 | 125 | 50 | 50 | 48 | 59 | 25 | 560 |
| 178/150/035/5/15 | 150 | 35 | 43,5 | 39.5 | 61 | 1.5 | 450 |
| 178/150/035/5/25 | 150 | 35 | 35 | 39 | 62 | 25 | 450 |
| 178/150/050/5/20 | 150 | 50 | 50 | 54 | 61 | 20 | 660 |
| 178/150/050/5/25 | 150 | 50 | 50 | 54 | 61 | 25 | 660 |
| 178/150/050/5/25 | 150 | 50 | 50 | 48 | 61 | 25 | 660 |
| 178/150/080/5/25 | 150 | 80 | 72 | 78 | 65 | 25 | 900 |
| 178/160/040/5/20 | 160 | 40 | 45 | 49 | 61 | 20 | 550 |
| 178/160/050/5/20 | 160 | 50 | 60 | 60 | 65 | 20 | 700 |
| 178/160/050/5/25 | 160 | 50 | 50 | 48 | 70 | 25 | 700 |
| 178/180/050/5/25 | 180 | 50 | 50 | 48 | 66 | 2.5 | 800 |
| 178/200/050/5/20 | 200 | 50 | 60 | 64 | 65 | 20 | 1000 |
| 178/200/050/5/25 | 200 | 50 | 60 | 64 | 65 | 25 | 1000 |
| 178/200/050/5/30 | 200 | 50 | 50 | 48 | 90 | 30 | 1000 |
| 178/200/080/5/25 | 200 | 80 | 80 | 84 | 70 | 25 | 1400 |
| 178/200/080/5/25 | 200 | 80 | 78 | 78 | 90 | 25 | 1400 |
| 178/200/080/5/30 | 200 | 80 | 78 | 78 | 85 | 30 | 1400 |
| 178/200/080/5/35 | 200 | 80 | 80 | 78 | 82 | 35 | 1400 |
| 178/250/050/5/25 | 250 | 50 | 60 | 64 | 67 | 25 | 1100 |
| 178/250/050/5/30 | 250 | 50 | 50 | 48 | 83 | 30 | 1100 |
| 178/250/060/5/25 | 250 | 60 | .60 | 60 | 77 | 25 | 1350 |
| 178/250/080/5/30 | 250 | 80 | 80 | 80 | 75 | 30 | 1700 |
| 178/250/080/5/30 | 250 | 80 | 78 | 7.8 | 91 | 30 | 1800 |
| 178/250/080/5/35 | 250 | 80 | 78 | 78 | 9.1 | 35 | 1800 |
| 178/250/080/5/40 | 250 | 80 | 80 | 78 | 101 | 40 | 1800 |
| 178/300/050/5/30 | 300 | 50 | 60 | 60 | 82 | 30 | 1350 |
| 178/300/060/5/30 | 300 | 60 | 65 | 65 | 82 | 30 | 1600 |
| 178/300/080/5/35 | 300 | 80 | 78 | 78 | 107 | 35 | 2100 |
| 178/300/080/5/40 | 300 | 80 | 85 | 85 | 106 | 40 | 2100 |
| 178/300/100/5/35 | 300 | 100 | 100 | 98 | 106 | 35 | 2.500 |
| 178/300/100/5/40 | 300 | 100 | 110 | 110 | 105 | 40 | 2500 |
| 178/300/100/5/50 | 300 | 100 | 100 | 100 | 106 | 50 | 2500 |
| 178/300/135/5/50 | 300 | 135 | 135 | 135 | 140 | 50 | 3400 |

100

75

330

100

85

100

120

131

* - with provined book

178/330/100/5/50

178/400/075/5/45

2800

2700

50

45

RÄDER-VOGEL® - VULKOLLAN® / Cast Iron Core

Series 178 A - VULKOLLAN® Drive Wheels

| 므 | 0 | -D- | -⊕- | Ð: |
|---------------------|------|-----|------|------|
| Ordarng Number | 200 | mm1 | mm. | rece |
| 178 A/100/050/25 H7 | 100 | 50 | 50 | |
| 178 A/125/040/20 H7 | 125 | 40 | 35.5 | 46 |
| 178 A/125/040/25 H7 | 125 | 40 | 45 | 60 |
| 178 A/125/040/30 H7 | 125 | 40 | 50 | 60 |
| 178 A/125/050/25 H7 | 125 | 50 | 50 | 60 |
| 178 A/125/050/30 H7 | 125 | 50 | 50 | 60 |
| 178 A/125/050/35 H7 | 125 | 50 | 50 | 60 |
| 178 A/150/050/30 H7 | 150 | 50 | 50 | 61 |
| 178 A/150/050/35 H7 | 150 | 50 | 50 | 61 |
| 178 A/150/050/40 H7 | 1.50 | 50 | 50 | 61 |
| 178 A/160/050/25 H7 | 160 | 50 | 50 | 61 |
| 178 A/160/050/35 H7 | 160 | 50 | 50 | 61 |
| 178 A/180/055/35 H7 | 18D | .55 | 60 | 63 |
| 178 A/200/050/30 H7 | 200 | 50 | 60 | 65 |
| 178 A/200/050/35 H7 | 200 | 50 | 60 | 65 |
| 178 A/200/050/40 H7 | 200 | 50 | 60 | 85 |
| 178 A/200/080/50 H7 | 200 | 80 | 80 | 85 |
| 178 A/250/050/40 H7 | 250 | 50 | 50 | 90 |
| 178 A/250/050/50 H7 | 250 | 50 | 60 | 90 |
| 178 A/250/080/30 H7 | 250 | 80 | 80 | 100 |
| 178 A/250/080/40 H7 | 250 | 80 | 80 | 1-00 |
| 178 A/250/080/50 H7 | 250 | 90 | 80 | 100 |
| 178 A/300/060/40 H7 | 300 | 60 | 65 | 82 |
| 178 A/300/060/50 H7 | 300 | 60 | 65 | 80 |
| 178 A/300/080/50 H7 | 300 | 80 | 80 | 107 |
| 178 A/300/100/40 H7 | 300 | 100 | 100 | 106 |
| 178 A/300/100/60 H7 | 300 | 100 | 110 | 105 |

Series 178 A - VULKOLLAN® drive wheels

Grey cast iron wheel center with bore and keyway according to DIN 6885. Direct bonded VULKOLLAN® tread.

| _ | - |
|-------|------|
| (+0+) | 1 |
| mt. | ¥n. |
| 25 | 450 |
| 20 | 450 |
| 25 | 450 |
| 30 | 450 |
| 25 | 560 |
| 30 | 560 |
| 35 | 560 |
| 30 | 660 |
| 35 | 660 |
| 40 | 660 |
| 25 | 700 |
| 35 | 700 |
| 35 | 850 |
| 30 | 1000 |
| 35 | 1000 |
| 40 | 1000 |
| 50 | 1400 |
| 40 | 1100 |
| 50 | 1100 |
| 30 | 1800 |
| 40 | 1800 |
| 50 | 1800 |
| 40 | 1600 |
| 50 | 1600 |
| 50 | 2100 |
| 40 | 2500 |
| 60 | 2500 |
| | |



Series 171 A - VULKOLLAN® drive wheels

Series 171 A - VULKOLLAN® Drive Wheels

| | | | | | | 715 above, but v | | |
|----------------------------|-------|-----|-----|-----|------|------------------|-------|--|
| Q | 0 | .0. | -⊕- | 융; | ₫; | 0 | (80) | |
| Ordering Number | yeary | 444 | 177 | 644 | 8111 | 771 | *14 | |
| 171 A/300/075/260/2/050 H7 | 300 | 75 | 85 | 98 | 260 | 50 | 2000 | |
| 171 A/300/100/260/2/060 H7 | 300 | 100 | 110 | 118 | 260 | 60 | 2500 | |
| 171 A/360/075/310/2/070 H7 | 360 | 75 | 8.5 | 118 | 310 | 70 | 2500 | |
| 171 A/360/100/310/2/060 H7 | 360 | 100 | 110 | 118 | 310 | 60 | 3000 | |
| 171 A/400/100/350/2/070 H7 | 400 | 100 | 110 | 118 | 3.50 | 70 | 3500 | |
| 171 A/400/120/350/2/060 H7 | 400 | 120 | 130 | 118 | 350 | 60 | 4000 | |
| 171 A/400/120/350/2/070 H7 | 400 | 120 | 130 | 118 | 350 | 70 | 4000 | |
| 171 A/400/150/350/2/060 H7 | 400 | 150 | 160 | 118 | 350 | 60 | 4300 | |
| 171 A/500/100/450/2/060 H7 | 500 | 100 | 110 | 118 | 450 | 60 | 4500 | |
| 171 A/500/150/450/2/080 H7 | 500 | 150 | 160 | 136 | 450 | 80 | 5700 | |
| 171 A/500/200/450/2/080 H7 | 500 | 200 | 210 | 136 | 450 | 80 | 8000 | |
| 171 A/600/150/550/2/060 H7 | 600 | 150 | 160 | 118 | 550 | 60 | 8000 | |
| 171 A/600/150/550/2/080 H7 | 600 | 150 | 160 | 136 | 550 | 80 | 8000 | |
| 171 A/600/200/550/2/080 H7 | 600 | 200 | 210 | 136 | 550 | 80 | 10000 | |
| 171 A/700/200/640/2/080 H7 | 700 | 200 | 210 | 136 | 640 | 80 | 11500 | |
| | | | | | | | | |



25.4 mm = 1 inch 1 kg = 2.2 lbs

Options: TRACTOTHAN® is available in both VUI 178/5 and VU 178A Series: Add AT after ordering number (i.e. VUI 178/100/50/5/25/AT)

RÄDER-VOGEL® - VULKOLLAN® / Cast Iron Core

Standard sizes with Preloaded Precision Bearings / Ratings to 5500 lbs



TREAD:VULKOLLAN® properly bonded to the wheel core. Hardness 93 Shore A.

WHEEL CORE:

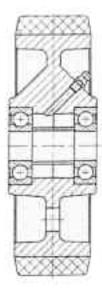
Special grey cast iron with pre-loaded precision ball bearings.

VULKOLLAN® tired heavy duty wheels with grey cast iron core have better properties than Urethane or Elastic Rubber.

- Highest wear resistance
- Highest abrasion and tear resistance
- Longer service life (up to 10 times that of rubber)
- Dynamic load capacity 2.5 times that of rubber (of same dimensions)

For speeds greater than 5 mph (8 kph), VULKOLLAN® treads should be used.

VULKOLLAN® wheels are available for any size caster and hub length

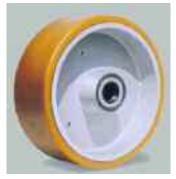


Series VUI 178 with Precision Bearings

| Item # | Diameter (mm) | Tread Width (mm) | Wheel Hub / Length (mm) | Bearing ID (mm) | Load Capacity (lbs) |
|------------------------|------------------|---------------------|----------------------------|--------------------|------------------------|
| VUI 178/100/025/5/15 | 100 | 25 | 26/26 | 15 | 440 |
| VUI 178/100/035/5/12 | 100 | 35 | 40/40 | 12 | 660 |
| VUI 178/100/040/5/15 | 100 | 40 | 42/45 | 15 | 770 |
| VUI 178/100/040/5/15-B | 100 | 40 | 42/45 | 15 | 770 |
| VUI 178/100/050/5/20-B | 100 | 50 | 54/50 | 20 | 990 |
| VUI 178/125/030/5/15 | 125 | 30 | 29/30 | 15 | 660 |
| VUI 178/125/040/5/15 | 125 | 40 | 45/45 | 15 | 880 |
| VUI 178/125/050/5/20 | 125 | 50 | 54/50 | 20 | 1232 |
| VUI 178/125/050/5/25 | 125 | 50 | 54/50 | 25 | 1232 |
| VUI 178/140/060/5/20-B | 140 | 60 | 68/68 | 20 | 1650 |
| VUI 178/150/035/5/25 | 150 | 35 | 39/35 | 25 | 880 |
| VUI 178/150/050/5/20 | 150 | 50 | 54/50 | 20 | 1452 |
| VUI 178/150/050/5/25 | 150 | 50 | 54/50 | 25 | 1452 |
| VUI 178/150/060/5/20 | 150 | 60 | 60/60 | 20 | 1760 |
| VUI 178/160/040/5/20 | 160 | 40 | 49/45 | 20 | 1144 |
| VUI 178/160/050/5/20 | 160 | 50 | 60/60 | 20 | 1540 |
| VUI 178/200/050/5/20 | 200 | 50 | 64/60 | 20 | 2200 |
| VUI 178/200/050/5/25 | 200 | 50 | 64/60 | 25 | 2200 |
| VUI 178/200/080/5/25 | 200 | 80 | 84/80 | 25 | 2970 |
| VUI 178/250/050/5/25 | 250 | 50 | 64/60 | 25 | 2420 |
| VUI 178/250/060/5/25 | 250 | 60 | 60/60 | 25 | 2970 |
| VUI 178/250/080/5/30 | 250 | 80 | 80/80 | 30 | 3740 |
| VUI 178/300/060/5/30 | 300 | 60 | 65/65 | 30 | 3520 |
| VUI 178/300/080/5/40 | 300 | 80 | 100/100 | 40 | 4840 |
| VUI 178/300/100/5/40 | 300 | 100 | 120/120 | 40 | 5500 |

RÄDER-VOGEL® - VULKOLLAN® / Steel Core

Standard sizes with Preloaded Precision Bearings / Ratings to 18,400 lbs VULKOLLAN® Tread – Steel Double Welded Core with Pre-Loaded Precision Bearings



TREAD: VULKOLLAN® properly bonded to the steel core. Hardness 93 Shore A. (other harnesses available)

WHEEL CORE:

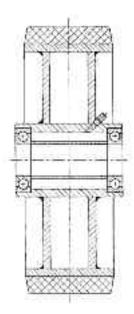
Strong steel welded construction with tow fold welded tubular steel core.

VULKOLLAN® tired heavy duty wheels with grey cast iron core have better properties than Urethane or Elastic Rubber.

- Highest wear resistance
- Highest abrasion and tear resistance
- Longer service life (up to 10 times that of rubber)
- Dynamic load capacity 2.5 times that of rubber (of same dimensions)

For speeds greater than 5 mph (8 kph), VULKOLLAN® treads should be used.

VULKOLLAN® wheels are available for any size caster and hub length



Series VUS 171 with Precision Bearings

| Item # | Diameter (mm) | Tread Width (mm) | Wheel Hub / Length (mm) | Bearing ID (mm) | Load Capacity (Ibs) |
|----------------------|------------------|---------------------|----------------------------|--------------------|------------------------|
| VUS 171/300/050/5/30 | 300 | 50 | 55 | 30 | 2530 |
| VUS 171/300/075/5/35 | 300 | 75 | 80 | 35 | 3740 |
| VUS 171/300/100/5/35 | 300 | 100 | 110 | 35 | 4840 |
| VUS 171/360/060/5/30 | 360 | 60 | 65 | 30 | 3520 |
| VUS 171/360/075/5/40 | 360 | 75 | 80 | 40 | 4400 |
| VUS 171/360/100/5/40 | 360 | 100 | 110 | 40 | 5500 |
| VUS 171/400/100/5/40 | 400 | 100 | 110 | 40 | 6160 |
| VUS 171/400/120/5/50 | 400 | 120 | 130 | 50 | 7480 |
| VUS 171/400/150/5/50 | 400 | 150 | 160 | 50 | 9460 |
| VUS 171/500/075/5/50 | 500 | 75 | 80 | 50 | 5500 |
| VUS 171/500/100/5/50 | 500 | 100 | 110 | 50 | 7480 |
| VUS 171/500/120/5/50 | 500 | 120 | 130 | 50 | 8800 |
| VUS 171/500/150/5/50 | 500 | 150 | 160 | 50 | 11000 |
| VUS 171/500/200/5/80 | 500 | 200 | 210 | 80 | 14740 |
| VUS 171/600/150/5/80 | 600 | 150 | 160 | 80 | 13860 |
| VUS 171/600/200/5/80 | 600 | 200 | 210 | 80 | 18480 |

RÄDER-VOGEL® - VULKOLLAN® / Steel Core

Standard VULKOLLAN® Wheels are made with a hardness of **93 Shore A**. However, due to flexibility in production, other degrees of hardness are available (e.g. 85 Shore A with better damping noise reduction and treating the floor with care as well as harder qualities. A hardness of **95 Shore A** is available for extreme dynamic applications.

Series 171 / 5

VULKOLLAN® heavy duty wheels

Stable welded wheel center with ball bearings (/5). Direct bonded VULKOLLAN® tread.



| <u></u> | @ | -D- | + (1) + | ₽: | Ü, | (0) | 8 |
|----------------------|-------|-----|--------------------|------|-----|-----|-------|
| Ordering Number | 19.91 | PRE | orn. | 50.0 | 777 | 605 | 1.0 |
| 171/300/075/260/5/35 | 300 | 75 | 80 | 98 | 260 | 35 | 2000 |
| 171/300/100/260/5/35 | 300 | 100 | 110 | 118 | 260 | 35 | 2500 |
| 171/360/075/310/5/40 | 360 | .75 | 80 | 118 | 310 | 40 | 2500 |
| 171/360/100/310/5/40 | 360 | 100 | 110 | 118 | 310 | 40 | 3000 |
| 171/400/100/350/5/40 | 400 | 100 | 110 | 118 | 350 | 40 | 3500 |
| 171/400/120/350/5/50 | 400 | 120 | 130 | 118 | 350 | 50 | 4000 |
| 171/400/150/350/5/50 | 400 | 150 | 160 | 118 | 350 | 50 | 4300 |
| 171/500/100/450/5/50 | 500 | 100 | 110 | 136 | 450 | 50 | 4500 |
| 171/500/120/450/5/50 | 500 | 120 | 130 | 136 | 450 | 50 | 5000 |
| 171/500/150/450/5/50 | 500 | 150 | 160 | 136 | 450 | 50 | 5700 |
| 171/500/200/450/5/80 | 500 | 200 | 210 | 200 | 450 | 80 | 8000 |
| 171/600/150/550/5/80 | 600 | 150 | 160 | 200 | 550 | 80 | 8000 |
| 171/600/200/550/5/80 | 600 | 200 | 210 | 200 | 550 | 80 | 10000 |

RÄDER-VOGEL® - PEVOSOFT® & PEVOPUR® / AL Core

PEVOPUR® is a high quality polyurethane elastomer. It is, like VULKOLLAN®, produced with a hot casting method and, contrary to so-called cold cast systems, subjected to a subsequent heat treatment. Among its outstanding mechanical and chemical characteristics count dynamic load capacity, high elasticity, good compression set and resistance to a multitude of chemical media. Compared to rubber, the load capacity of **PEVOPUR®** is many times higher. Moreover, it is non-marking. **PEVOPUR®** is particularly suitable for applications with a lower requirement profile, e.g. manually operated transport equipment (up to 6 km/h).

PEVOPUR® is specially used for pedestrian-controlled trucks. Our extensive delivery program includes drive and load wheels as well as pallet rollers and stabilizing casters for almost all pedestrian controlled trucks and battery-powered models of all industrial truck manufacturers.

Series 183 ALU/PUR

PEVOSOFT® wheels 75º Shore A with aluminum rim

Aluminum wheel center with ball bearings (/5). Direct bonded PEVOSOFT® tread 75º Shore A.

| | 3 | 1)_ | |
|--------------------------|--------|-----|--|
| Ordering Number | (10.0) | 499 | |
| 183 ALU/PUR/100/040/5/15 | 100 | 40 | |
| 183 ALU/PUR/125/050/5/20 | 125 | 50 | |
| 183 ALU/PUR/150/050/5/20 | 150 | 50 | |
| 183 ALU/PUR/160/050/5/20 | 160 | 50 | |
| 183 ALU/PUR/180/050/5/20 | 180 | 50 | |
| 183 ALU/PUR/200/050/5/20 | 200 | 50 | |
| 183 ALU/PUR/200/050/5/25 | 200 | 50 | |
| 183 ALU/PUR/250/060/5/20 | 250 | 60 | |
| 183 ALU/PUR/250/060/5/25 | 250 | 60 | |
| | | | |

| 0 | <u>.O</u> . | -0- | + ; | <u>⊕</u> | 2 |
|---|----------------------------|----------|----------------------------|--|-------------------|
| 100 125 150 160 180 200 200 250 250 | 40 | 45 | 46 | 1.5 | 205 320 380 |
| 125 | 50 | 59 | 46 55 55 | 20 | 320 |
| 150 | 50 | 59 | 55 | 20 | 380 |
| 160 | 50 | 59 | 55 | 20 | 410 |
| 180 | 50 | 59 | 55 | 20 | 460 |
| 200 | 50 | 60 | 55 | 20 | 510 |
| 200 | 50 50 50 50 50 | | 55 55 55 55 60 | 25 | 460 510 510 |
| 250 | 60 | 60 60 | 60 | 20 | 770 |
| 250 | 60 | 60 | 60 | 20 20 20 20 20 25 20 25 | 770 770 |

Series 181 PUR



PEVOPUR® wheels with aluminum rim

Aluminum wheel center with ball bearings (/5). Direct bonded PEVOPUR® tread.

| 므 | (P) | 12 | +1 1+ | ⊕: | (m) | 52 |
|--|------|-----|-------|-----|------|------|
| Ordering Number | enn. | W41 | 600 | 100 | 14.0 | - kg |
| 181 PUR/080/025/5/15 | BO | 25 | 28 | 40 | 15 | 150 |
| 181 PUR/100/040/5/15 B* | 100 | 40 | 45 | 46 | 15 | 300 |
| 181 PUR/125/050/5/20 | 125 | 50 | 60 | 55 | 20 | 400 |
| 181 PUR/150/050/5/20 | 150 | 50 | 59 | 55 | 20 | 450 |
| 181 PUR/160/050/5/20 | 160 | 50 | 59 | 55 | 20 | 500 |
| 181 PUR/180/050/5/20 | 180 | 50 | 60 | 55 | 20 | 550 |
| 181 PUR/200/050/5/20 | 200 | 50 | 60 | 55 | 20 | 700 |
| 181 PUR/200/050/5/25 | 200 | 50 | 60 | 55 | 25 | 700 |
| The state of the s | | | | | | |

* + with crowned based

RÄDER-VOGEL® - PEVOPUR® / Cast Iron Core

PEVOPUR® / CAST IRON CORE 178 PUR

with Ball Bearings



| 显 | (P) | 4). | +10+ | | 유 : | (-0-3 | 용 |
|----------------------|-----|-----|------|------|------------|--------|------|
| Dittering Number | *** | *** | (0.0 | 7779 | ##h | enter. | kg: |
| 178 PUR/100/035/5/12 | 100 | 35 | 40 | 40 | 42 | 12 | 300 |
| 178 PUR/100/035/5/15 | 100 | 35 | 40 | 38 | 42 | 15 | 300 |
| 178 PUR/100/040/5/15 | 100 | 40 | 45 | 42 | 45 | 15 | 350 |
| 178 PUR/100/050/5/25 | 100 | 50 | 50 | 48 | 1,60 | 25 | 450 |
| 178 PUR/125/040/5/15 | 125 | 40 | 45 | 45 | 42 | 15 | 450 |
| 178 PUR/125/050/5/20 | 125 | 50 | 50 | 54 | 59 | 20 | 560 |
| 178 PUR/150/050/5/20 | 150 | 50 | 50 | 54 | 61 | 20 | 660 |
| 176 PUR/150/060/5/20 | 150 | 60 | 60 | 60 | 77 | 20 | 800 |
| 178 PUR/160/040/5/20 | 160 | 40 | 45 | 49 | 61 | 20 | 550 |
| 178 PUR/200/050/5/20 | 200 | 50 | 56 | 56 | 6.5 | 20 | 1000 |
| 178 PUR/200/075/5/25 | 200 | 75 | 80 | 80 | 70 | 25 | 1350 |
| 178 PUR/200/080/5/25 | 200 | 80 | 80 | 84 | 70 | 25 | 1400 |
| 178 PUR/250/050/5/25 | 250 | 50 | 60 | 64 | 67 | 25 | 1100 |
| 178 PUR/250/060/5/25 | 250 | 60 | 60 | 60 | 75 | 2.5 | 1350 |
| 178 PUR/250/075/5/30 | 250 | 75 | 75 | 75 | 77 | 30 | 1700 |
| 178 PUR/250/080/5/30 | 250 | 80 | 80 | 80 | 75 | 30 | 1700 |
| 178 PUR/300/075/5/40 | 300 | 75 | 75 | 75 | 105 | 40 | 2000 |
| 178 PUR/300/080/5/40 | 300 | 80 | 85 | 85 | 105 | 40 | 2100 |

Compared to rubber, **PEVOPUR®** (**Urethane 93A**) as a tread for press-on tires, heavy-duty wheels and casters is characterized by a longevity which is several times higher, a higher dynamic load capacity as well as a lower rolling resistance. Diverse caster systems are available with a load capacity of up to 4,000 kg for in-plant transportation. Our range of products includes pressed steel brackets as well as welded steel swivel and fixed brackets. Locking systems (ALLSTOP, directional lock) are available as standard products for all swivel brackets.

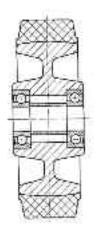
PEVOPUR® (Urethane 93A) is processed with a shore hardness of 93 Shore A for standard products. However, due to flexibility in production, other degrees of hardness are available (e.g. 75 Shore A for better noise reduction and with floor saving properties.

RÄDER-VOGEL® - PEVOPUR® / Cast Iron Core

PEVOPUR® / CAST IRON CORE 178 PUR

with Precision Bearings





| Dia. (mm) | Width (mm) | Hub Length (in.) | Bore (mm) | Bearing ID (mm) | Capacity (lb) | Wheel Part Number |
|--------------|---------------|---------------------|--------------|--------------------|------------------|----------------------|
| 100 | 25 | 20/26 | 42 | 15 | 440 | 178 PUR/100/035/5/12 |
| 100 | 35 | 40/40 | 43 | 12 | 660 | 178 PUR/100/025/5/15 |
| 100 | 40 | 42/45 | 45 | 15 | 770 | 178 PUR/100/040/5/15 |
| 100 | 40 | 42/45 | 45 | 15 | 770 | 178 PUR/100/040/5/15 |
| 100 | 50 | 54/50 | 70 | 20 | 990 | 178 PUR/100/050/5/20 |
| 125 | 30 | 29/30 | 45 | 15 | 660 | 178 PUR/125/030/5/15 |
| 125 | 40 | 45/45 | 50 | 15 | 880 | 178 PUR/125/040/5/15 |
| 125 | 50 | 54/50 | 60 | 20 | 1230 | 178 PUR/125/050/5/20 |
| 125 | 50 | 54/50 | 60 | 25 | 1230 | 178 PUR/125/050/5/25 |
| 140 | 60 | 68/68 | 68 | 20 | 1650 | 178 PUR/140/060/5/20 |
| 150 | 35 | 39/35 | 61 | 25 | 880 | 178 PUR/150/035/5/25 |
| 150 | 50 | 54/50 | 60 | 20 | 1450 | 178 PUR/150/050/5/20 |
| 150 | 50 | 54/50 | 60 | 25 | 1450 | 178 PUR/150/050/5/25 |
| 150 | 60 | 60/60 | 75 | 20 | 1760 | 178 PUR/150/060/5/20 |
| 160 | 40 | 45/45 | 64 | 20 | 1140 | 178 PUR/160/040/5/20 |
| 160 | 50 | 60/60 | 65 | 20 | 1540 | 178 PUR/160/050/5/20 |
| 200 | 50 | 64/60 | 65 | 20 | 2200 | 178 PUR/200/050/5/20 |
| 200 | 50 | 64/60 | 67 | 25 | 2200 | 178 PUR/200/050/5/25 |
| 200 | 80 | 84/80 | 70 | 25 | 2970 | 178 PUR/200/080/5/25 |
| 250 | 50 | 64/60 | 67 | 25 | 2200 | 178 PUR/250/050/5/25 |
| 250 | 60 | 60/60 | 75 | 25 | 2970 | 178 PUR/250/060/5/25 |
| 250 | 80 | 80/80 | 75 | 30 | 3740 | 178 PUR/250/080/5/30 |
| 300 | 60 | 65/65 | 80 | 30 | 3520 | 178 PUR/300/060/5/30 |
| 300 | 80 | 100/100 | 105 | 40 | 4840 | 178 PUR/300/080/5/40 |
| 300 | 100 | 120/120 | 105 | 40 | 5500 | 178 PUR/300/100/5/45 |

25.4 mm = 1 in.

PEVOPUR® (**Urethane 93A**) is a high quality polyurethane elastomer bonded to a cast iron, aluminum or steel core having good chemical and physical properties and well tested for speeds up to 6 kph (3.73 mph).

Urethane is highly elastic, the compression set quality and the dynamic load capacity are very good but not to the same extent as VULKOLLAN®, TRACTOTHAN®, or TRACTOPUR®.

Compared with rubber of the same dimensions, PEVOPUR® has much longer durability,has much higher load capacity and is non-marking.

Features

- Hardness 93 Shore A
- Resilient
- · Abrasive resistant
- High cut resistant and resistance to tearing
- Non-marking
- Floor protective
- Low noise
- · Low rolling resistance

All wheels can be matched with end caps to fit in U.S. caster rigs.

RÄDER-VOGEL® - PEVOPUR® / Aluminum Core

PEVOPUR® / ALUMINUM CORE 181 PUR

with Precision Bearings



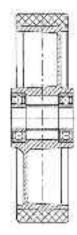
Features

- Hardness 93 Shore A
- Resilient
- · Abrasive resistant
- High cut resistant and resistance to tearing
- · Non-marking
- Floor protective
- Low noise
- · Low rolling resistance

All wheels can be matched with end caps to fit in U.S. caster rigs.

| Dia. (mm) | Width (mm) | Hub Length (in.) | Bore (mm) | Bearing ID (mm) | Capacity (lb) | Wheel Part Number |
|--------------|---------------|---------------------|--------------|--------------------|------------------|----------------------|
| 80 | 25 | 35 | 40 | 15 | 330 | 181 PUR/080/25/5/15 |
| 100 | 40 | 45 | 46 | 15 | 550 | 181 PUR/100/40/5/15 |
| 125 | 50 | 59 | 64 | 20 | 880 | 181 PUR/125/50/5/20 |
| 150 | 50 | 59 | 64 | 20 | 990 | 181 PUR/150/50/5/20 |
| 160 | 50 | 59 | 64 | 20 | 1100 | 181 PUR/160/50/5/20 |
| 180 | 50 | 59 | 64 | 20 | 1210 | 181 PUR/180/50/5/20 |
| 200 | 80 | 59 | 64 | 20 | 1540 | 181 PUR/200/50/5/20 |
| 200 | 80 | 59 | 64 | 25 | 1540 | 181 PUR/200/50/5/25 |

25.4 mm = 1 in. Refer to page 132 for weights in kg



PEVOPUR® (**Urethane 93A**) is a high quality polyurethane elastomer bonded to a cast iron, aluminum or steel core having good chemical and physical properties and well tested for speeds up to 6 kph (3.73 mph).

Urethane is highly elastic, the compression set quality and the dynamic load capacity are very good but not to the same extent as VULKOLLAN®, TRACTOTHAN®, or TRACTOPUR®.

Compared with rubber of the same dimensions, PEVOPUR® has much longer durability,has much higher load capacity and is non-marking.

RÄDER-VOGEL® - PEVOSOFT® / Cast Iron Core

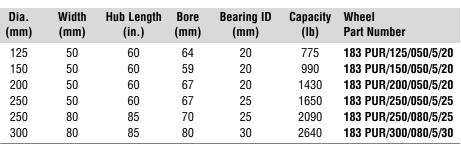
PEVOSOFT® / CAST IRON CORE 183 PUR

with Precision Bearings

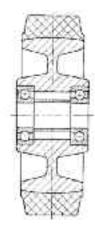


Features

- · Hardness: 75 Shore A
- Resilient
- Abrasive resistant
- High cut resistant and resistance to tearing
- · Non-marking
- Floor protective
- · Low noise
- · Low rolling resistance



25.4 mm = 1 in.



PEVOSOFT® (**Urethane 75A**) is a high quality polyurethane elastomer bonded to a cast iron, aluminum or steel core having good chemical and physical properties and well tested for speeds up to 6 kph (3.73 mph).

Urethane 75A is highly elastic, the compression set quality and the dynamic load capacity are very good but not to the same extent as VULKOLLAN®.

Urethane 75A is formulated for a quieter operation and less resistance to foreign objects and floor debris. It reduces vibration in the wheel resulting in a quieter ride with less wear on the caster and load. In addition it repels floor chips, bolts, pins, metal scraps etc. from imbedding in the tread.

All wheels can be matched with end caps to fit in U.S. caster rigs.

Urethane 75A has been a proven success for automotive plants and those wanting to lower noise levels, improve floor protection and reduce tread failures.

Urethane 75A has all the soft qualities of rubber with much better life, higher load carrying ability and is non-marking.

RÄDER-VOGEL® - PEVOSOFT® / Aluminum Core

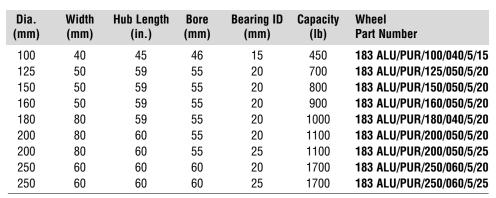
PEVOSOFT® / ALUMINUM CORE 183 ALU/PUR

with Precision Bearings

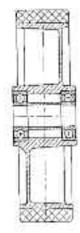


Features

- · Hardness: 75A Shore A
- Resilient
- Abrasive resistant
- High cut resistant and resistance to tearing
- Non-marking
- Floor protective
- · Low noise
- · Low rolling resistance



25.4 mm = 1 in.



Urethane 75A is a high quality polyurethane elastomer bonded to a cast iron, aluminum or steel core having good chemical and physical properties and well tested for speeds up to 6 kph (3.73 mph).

Urethane 75A is highly elastic, the compression set quality and the dynamic load capacity are very good but not to the same extent as VULKOLLAN®.

Urethane 75A is formulated for a quieter operation and less resistance to foreign objects and floor debris. It reduces vibration in the wheel resulting in a quieter ride with less wear on the caster and load. In addition it repels floor chips, bolts, pins, metal scraps etc. from imbedding in the tread.

All wheels can be matched with end caps to fit in U.S. caster rigs.

Urethane 75A has been a proven success for automotive plants and those wanting to lower noise levels, improve floor protection and reduce tread failures.

Urethane 75A has all the soft qualities of rubber with much better life, higher load carrying ability and is non-marking.

RÄDER-VOGEL® - PE•VO•LON®



| PE-VO LON® wheels with bearing | h plain | | | 1 kg 1 in | = 2.2 ch = 25.4 | |
|---|------------|----------|----------|--------------|-----------------------|------------|
| High quality thermoplast polyamide. Heavy duty with maintenance-free p bearing (/1). | design | | | | | |
| | Ø | -D- | -17- | 4 ; | 603 | 8 |
| Arthetiode | 780 | 100 | tio | two | 191 | la. |
| A 040/033/1/10 | 40 | 33 | 35 | 16 | 10 | 80 |
| A 045/019/1/10 | 45 | 19 | 22 | 16 | 10 | 70 |
| A 050/025/1/10 | 50 | 25 | 30 | 18 | 10 | 150 |
| A 050/017/1/10 | 50 | 17 | 19 | 20 | 10 | 140 |
| A 050/019/1/06 | 50 | 19. | 27 | 13 | 6 | 100 |
| A 060/020/1/10 | 60 | 20 | 25 | 20 | 10 | 150 |
| A 065/030/1/10 | 65 | 30 | 35 | 20 | 10 | 100 |
| A 070/030/1/10 | 20 | 30 | 40 | 25 | 10 | 200 |
| A 075/023/1/15 | 75 | 23 | 25 | 30 | 1.5 | 200 |
| A 080/035/1/15 | 8C | 35 | 37 | 30 | 15 | 300 |
| A 080/035/1/20 | 80 | 35 | 35 | 50 | 20 | 300 |
| A 100/040/1/15 | 100 | 40 | 50 | 48 | 15 | 450 |
| A 100/050/1/15 | 100 | .50 | 60 | 55 | 15 | 600 |
| A 125/040/1/15 | 125 | 40 | 53 | 60 | 15 | 600 |
| A 125/050/1/15 | 128 | 50 | 60 | 56 | 15 | 700 |
| A 125/050/1/20 | 125 | 50 | 60 | 56 | 20 | 700 |
| A 150/040/1/20 A 150/050/1/20 | 150 150 | 40 50 | 53 60 | 65 | 20 | 700 |
| A 160/050/1/20 | 160 | 50 | 60 | 63 | 20 20 | 800 |
| A 175/040/1/20 | 175 | 40 | 57 | 65 | 20 | 850 800 |
| A 175/050/1/20 | 175 | 50 | 55 | 65 | 20 | 750 |
| A 200/040/1/15 | 200 | 40 | 50 | 45 | 15 | 750 |
| A 200/040/1/20 | 200 | 40 | 58 | 65 | 20 | 1000 |
| A 200/050/1/20 | 200 | 50 | 60 | 65 | 20 | 1200 |
| A 200/050/1/25 | 200 | 50 | 60 | 65 | 25 | 1200 |
| A 250/050/1/20 | 250 | 50 | 60 | 65 | 20 | 1500 |
| A 250/050/1/25 | 250 | 50 | 60 | 65 | 25 | 1500 |
| A 250/060/1/25 | 250 | 60 | 65 | 90 | 25 | 1500 |
| A 300/060/1/30 | 300 | 60 | 70 | 92 | 30 | 2000 |

^{*}Bore can be modified to any dimension (i.e. 1/2", 3/4" etc.).

Nylon (PE•VO•LON®) Wheels are available in **Electrically Conductive Nylon**. Add prefix "EC" to part number.

ALL PE•VO•LON® WHEELS ARE AVAILABLE WITH STANDARD OR STAINLESS STEEL PRECISION BALL BEARINGS.

RÄDER-VOGEL® - PE•VO•LON®



PE VO LON® wheels with ball bearings

High-quality thermoplastic polyamide. Heavy duty design with ball bearings (/5).

| 1 | kg | = | 2.2 I | bs |
|---|------|---|-------|----|
| 1 | inch | = | 25.4 | mm |

| | 8 | :D. | | +4)+- | ⊕; | 6 | 8 |
|----------------|------|-----|----|-------|-----|------|------|
| Ar/Aut Curbs | 9100 | *** | 20 | 1911 | 17 | 76.8 | kg. |
| A 080/035/5/12 | 80 | 35 | 35 | 33 | 50 | 12 | 300 |
| A 100/040/5/12 | 100 | 40 | 50 | 42 | 48 | 1.2 | 450 |
| A 100/040/5/17 | 100 | 40 | 50 | 50 | 48 | 17 | 450 |
| A 100/050/5/20 | 100 | 50 | 60 | 59 | 55 | 20 | 600 |
| A 120/050/5/20 | 120 | 50 | 58 | 56 | 58 | 20 | 600 |
| A 125/040/5/20 | 125 | 40 | 53 | 53 | 60 | 20 | 600 |
| A 125/050/5/20 | 125 | 50 | 60 | 62 | -70 | 20 | 700 |
| A 150/040/5/20 | 150 | 40 | 53 | 51 | 65 | 20 | 700 |
| A 150/050/5/20 | 150 | 50 | 60 | 62 | 76 | 20 | 800 |
| A 160/040/5/20 | 160 | 40 | 6G | 58 | 60 | 20 | 600 |
| A 160/050/5/20 | 160 | 50 | 60 | 62 | 76 | 20 | 850 |
| A 175/050/5/20 | 175 | 50 | 55 | . 53 | 65 | 20 | 800 |
| A 200/050/5/20 | 200 | 50 | 60 | 60 | 8.5 | 20 | 1200 |
| A 200/065/5/25 | 200 | 65 | 74 | 72 | BO | 25 | 1300 |
| A 250/050/5/25 | 250 | 50 | 60 | 60 | 92 | 25 | 1500 |
| A 250/060/5/25 | 250 | 60 | 65 | 63 | 90 | 25 | 1500 |
| A 300/060/5/25 | 300 | 60 | 70 | 68 | 92 | 25 | 2000 |



Polyamide heavy duty wheels

Wheels made of high-quality cost polyamide with ball bearings (/5).

| | 3 | 1). | | | ⊕: | 0 | 5.0 |
|------------------|-----|-----|-----|-----|------|----|-------|
| Artifel Code | | 47 | 777 | 200 | | ** | 140 |
| PAG 080/040/5/20 | BO | 40 | 45 | 45 | - 65 | 20 | 1000 |
| PAG 100/040/5/20 | 100 | 40 | 4.5 | 45 | 65 | 20 | 1250 |
| PAG 125/055/5/25 | 125 | 55 | 60 | 60 | 80 | 25 | 2000 |
| PAG 150/055/5/30 | 150 | 55 | 60 | 60 | 95 | 30 | 2500 |
| PAG 150/080/5/35 | 150 | 80 | 90 | 90 | 100 | 35 | 3000 |
| PAG 200/055/5/35 | 200 | 55 | 60 | 60 | 100 | 35 | 3000 |
| PAG 200/080/5/45 | 200 | BO | 90 | 90 | 120 | 45 | 4500 |
| PAG 250/065/5/45 | 250 | 65 | 70 | 70 | 120 | 45 | 5000 |
| PAG 250/080/5/50 | 250 | 80 | 90 | 90 | 130 | 50 | 6000 |
| PAG 300/080/5/55 | 300 | .80 | 90 | 90 | 150 | 55 | 7000 |
| PAG 300/110/5/70 | 300 | 110 | 120 | 120 | 180 | 70 | 10000 |
| PAG 400/110/5/80 | 400 | 110 | 120 | 120 | 210 | BO | 12000 |

^{*}Precision Bearings can be stainless steel.

RÄDER-VOGEL® - PE•VO•LON®

PE•VO•LON® Wheels High quality thermoplastic polyamide. Light duty design with maintenance free plain (/1) or roller bearing (/3)

1 kg = 2.2 lbs 1 inch = 25.4 mm



| | Ø | 10. | +e]>+ | 용; | ⊕ | 5 |
|------------|------|-----|-------|-----|------|-----|
| Arfriekuds | re . | ree | m | 100 | 1967 | ia |
| BR 080-09 | 80 | 30 | 35 | 40 | 10 | 100 |
| BR 100-09 | 100 | 35 | 40 | 25 | 10 | 150 |
| BR 125-09 | 125 | 40 | 50 | 38 | 15 | 175 |
| BR 150-09 | 150 | 42 | 50 | 38 | 15 | 225 |
| BR 160-09 | 160 | 40 | 50 | 38. | 15 | 250 |
| BR 175-09 | 175 | 50 | 60 | 50 | 20 | 275 |
| BR 200-09 | 200 | 50 | 55 | 38 | 15 | 300 |
| BR 200-13 | 200 | 50 | 60 | 50 | 20 | 400 |
| BR 250-09 | 250 | 50 | 60 | 50 | 15 | 400 |

Heat-Resistant Wheels Wheels made of phenolic resin with plain bearing (/1). Heat resistant up to 230 $^{\circ}$ C.



Special Nylamide

| 모 | 0 | -0- | 0- | 용; | ⊕ | 吕 |
|----------------------|------|-----|------|-----|----------|-----|
| Artherode | 9191 | 411 | ven: | 766 | 85 | 40 |
| 86 KH/070/32/40/10/1 | 70 | 32 | 34 | 22 | 10 | 90 |
| 86 KH/100/36/45/12/1 | 100 | 36 | 45 | 30 | 12 | 160 |
| 86 KH/125/36/45/12/1 | 125 | 36 | 45 | 32 | 12 | 220 |
| 86 KH/150/43/50/20/1 | 150 | 43 | 50 | 40 | 20 | 280 |
| 86 KH/150/43/60/20/1 | 150 | 43 | 60 | 40 | 20 | 280 |
| 86 KH/175/47/60/20/1 | 175 | 47 | 60 | 50 | 20 | 350 |
| 86 KH/200/43/60/20/1 | 200 | 43 | 60 | 40 | 20 | 450 |
| | | | | | | |

Temperature range 180°C (356°F) continuous to 230°C (446°F) intermittent

Nylon (PE•VO•LON®) Wheels are available in **Electrically Conductive Nylon**. Add prefix "EC" to part number.

RÄDER-VOGEL® - PEVOLASTIC® / PEVOTHAN®

PEVOLASTIC® and **PEVOTHAN®** are tow high quality thermoplastic polyurethane (TPU) elastomers. They have excellent properties for wheels, e.g. high load capacity, high abrasion resistance, good damping and they leave no floor markings.



1 kg = 2.2 lbs 1 inch = 25.4 mm

125-800 kg Series BPU



60-1100 kg Series APU



110-400 kg Series 87PU



100-400 kg Series 89PU



RÄDER-VOGEL® - PEVOLASTIC®

PEVOLASTIC® is a high quality thermoplastic polyurethane (TPU) elastomer with excellent properties for wheels, e.g. high load capacity, high abrasion resistance and non-marking.



Series BPU

T kg = 2.2 lbs
1 inch = 25.4 mm

PE-VO-LON® rim with a

mechanically bonded tread made of high-quality thermoplastic polycrethane.

| | 0 | .0. | -0- | ₽ ; | (0) | 8 |
|---|---------------|-------------------|-----|------------|-----|-------|
| A+bel-Cade | 107 | ANT | mr. | 196 | 741 | Vin. |
| /17 - Childage / Non bentraj / Non /37 - Robarbage / Note: Learning / Roc /18/ collected Robarbage / No elec- | exer anoless. | ett radoon innyed | 40 | | | 300 |
| BPU 080/030//12 | 80 | 30 | 40 | 20 | 12 | 125 |
| BPU 100/030//12 | 100 | 30 | 40 | 20 | 12 | 150 |
| BPU 125/030//15 | 125 | 30 | 40 | 26 | 15 | 200 |
| BPU 125/040//20 | 125 | 40 | 60 | 36 | 20 | 250 |
| BPU 150/035//15 | 150 | 35 | 46 | 26 | 15 | 225 |
| BPU 150/045//20 | 150 | 45 | 60 | 36 | 20 | 350 |
| BPU 175/045//20 | 17.5 | 45 | 60 | 36 | 20 | 400 |
| BPU 200/047//20 | 200 | 47 | 60 | 36 | 20 | 550 |
| BPU 250/060/1/25 | 250 | 60 | 7.5 | 49 | 25 | 800 |
| | | | | | | 2.755 |



Series APU

Heavy-duty PEVOLASTIC® wheels

PE-VO-LON® rim with a mechanically bonded tread made of high-quality thermoplastic polymethane, with plain bearing [/1] or ball bearings (/5].

| APU 050/020/1/10 50 20 30 18 10 60 APU 080/027/1/10 80 27 35 18 10 75 APU 100/038/1/12 100 38 40 45 12 150 APU 125/040/1/15 125 40 50 45 15 225 APU 160/042/1/15 160 42 50 45 15 400 APU 200/050/1/20 200 50 55 60 70 25 1000 APU 300/060/1/25 300 60 65 70 25 1000 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 25 1000 APU 250/055/5/25 250 55 60 64 70 25 1000 | | (4) | -1. | -D- | +4 1+ | 宁 | (00) | |
|--|------------------|--|------|-----|-------|-----|------|---|
| APU 080/027/1/10 80 27 35 18 10 75 APU 100/038/1/12 100 38 40 45 12 150 APU 125/040/1/15 125 40 50 45 15 225 APU 160/042/1/15 160 42 50 45 15 400 APU 200/050/1/20 200 50 55 68 20 800 APU 250/055/1/25 250 55 60 70 25 1000 APU 300/060/1/25 300 60 65 70 25 1100 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | Antikel Code | 187 | 1917 | 007 | 20 | *** | 440 | 94 |
| APU 080/027/1/10 80 27 35 18 10 75 APU 100/038/1/12 100 38 40 45 12 150 APU 125/040/1/15 125 40 50 45 15 225 APU 160/042/1/15 160 42 50 45 15 400 APU 200/050/1/20 200 50 55 68 20 800 APU 250/055/1/25 250 55 60 70 25 1000 APU 300/060/1/25 300 60 65 70 25 1100 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 050/020/1/10 | 50 | 20 | 30 | | 18 | 10 | 60 |
| APU 100/038/1/12 100 38 40 45 12 150 APU 125/040/1/15 125 40 50 45 15 225 APU 160/042/1/15 160 42 50 45 15 400 APU 200/050/1/20 200 50 55 68 20 800 APU 250/055/1/25 250 55 60 70 25 1000 APU 300/060/1/25 300 60 65 70 25 1100 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 080/027/1/10 | 80 | 27 | 35 | | | | 75 |
| APU 125/040/1/15 125 40 50 45 15 225 APU 160/042/1/15 160 42 50 45 15 400 APU 200/050/1/20 200 50 55 60 70 25 1000 APU 300/060/1/25 300 60 65 70 25 1100 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 100/038/1/12 | 100 | 38 | 40 | | 45 | 12 | |
| APU 200/050/1/20 200 50 55 68 20 800 APU 250/055/1/25 250 55 60 70 25 1000 APU 300/060/1/25 300 60 65 70 25 1100 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 125/040/1/15 | 125 | 40 | 50 | | 45 | | 225 |
| APU 250/055/1/25 250 55 60 70 25 1000 APU 300/060/1/25 300 60 65 70 25 1100 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | | 160 | 42 | -50 | | 45 | 15 | 400 |
| APU 300/060/1/25 300 60 65 70 25 1100 APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 290/055/5/20 250 55 60 64 70 20 1000 | APU 200/050/1/20 | 200 | 50 | .55 | | 86 | 20 | 800 |
| APU 100/038/5/15 100 38 40 38 45 15 150 APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | | And the second s | 55 | 60 | | 70 | 25 | 1000 |
| APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 300/060/1/25 | 300 | 60 | 65 | | 70 | 25 | 1100 |
| APU 125/040/5/15 125 40 50 48 45 15 225 APU 160/042/5/15 160 42 50 48 45 15 400 APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 100/038/5/15 | 100 | 38 | 40 | 38 | 45 | 15 | 150 |
| APU 200/050/5/20 200 50 52 57 68 20 800 APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 125/040/5/15 | 125 | 40 | 50 | 48 | 45 | 15 | 100000000000000000000000000000000000000 |
| APU 250/055/5/20 250 55 60 64 70 20 1000 | APU 160/042/5/15 | 160 | 42 | 50 | 48 | 4.5 | 15 | 400 |
| CONTROL OF COMPANY CONTROL OF COMPANY CONTROL OF CONTRO | APU 200/050/5/20 | 200 | 50 | 52 | 57 | 68 | 20 | 800 |
| APU 250/055/5/25 250 55 60 64 70 25 1000 | | 250 | 55 | 60 | 64 | 70 | 20 | 1000 |
| | APU 250/055/5/25 | | 55 | 60 | 64 | 70 | 25 | 1000 |
| APU 300/060/5/20 300 60 65 89 70 20 1100 | | | 1177 | | 69 | | 20 | 1100 |
| APU 300/060/5/25 300 60 65 69 70 25 1100 | APU 300/060/5/25 | 300 | 60 | 65 | 69 | 70 | 25 | 1100 |

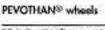
1 kg = 2.2 lbs 1 inch = 25.4 mm

RÄDER-VOGEL® - PEVOTHAN®

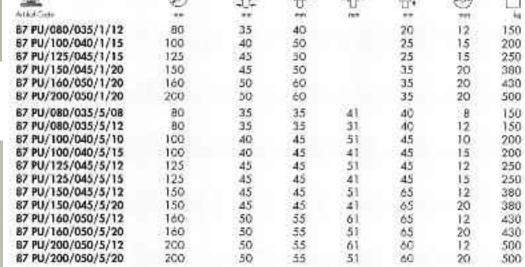
PEVOTHAN® is a high quality thermoplastic polyurethane (TPU) elastomer with excellent properties for wheels, e.g. high load capacity, high abrasion resistance and non-marking.



Series 87 PU/1



PE-VO-LON® rim with a mechanically banded tread made of high-quality thermoplastic polyurethane [95° Share A], with plain bearing [/1] or ball bearings [/5].





Series 87 PU/5

RÄDER-VOGEL® - PEVOTHAN®

PEVOTHAN® is a high quality thermoplastic polyurethane (TPU) elastomer with excellent properties for wheels, e.g. high load capacity, high abrasion resistance and non-marking.



Series 89 PU/1

PEVOTHAN3

Thermoplastic Urethane mechanically bonded to PE-VO-LON* Core. 80 Shore A - with plain bushing

| 모 | Ø | A)L | -6- | 급; | ⊙ | B |
|-------------------|------|-----|-----|----|---------------------|----------------|
| Artiologie | **** | 070 | 100 | m | **** | l ₂ |
| with plain bore | | | | | -1110 | |
| 89 PU 080/34/12/1 | BC | 34 | 40 | 22 | 12 | 100 |
| 89 PU 100/34/12/1 | 100 | 34 | 40 | 22 | 12 | 1.40 |
| 89 PU 125/37/15/1 | 125 | 37 | 47 | 26 | 15 | 180 |
| 89 PU 150/45/20/1 | 150 | 45 | 50 | 35 | 20 | 225 |
| 89 PU 160/50/20/1 | 160 | 50 | 60 | 35 | 20 | 250 |
| 89 PU 200/50/20/1 | 200 | 50 | 60 | 35 | 20 | 400 |

1 kg = 2.2 lbs 1 inch = 25.4 mm



Series 89 PU/3

PEVOTHAN®

Thermoplastic Urethane mechanically bonded to PE-VO-LON* Core. 80 shoe A - with roller bearing. Available with Stainless Steel Roller Bearing.

| | Ø | .0. | -A- | 윤: | 0 | --- |
|-------------------------------------|------|------|-----|-------|-------|-----|
| Amhelcode | 699 | men | 492 | mm | men. | Ro |
| with roller bearing. | 2006 | 1065 | | -0455 | - C-1 | 633 |
| 89 PU 080/34/10/3 | 83 | 34 | 40 | 26 | 10 | 100 |
| 89 PU 100/34/10/3 | 100 | 34 | 40 | 26 | 10 | 140 |
| 89 PU 125/37/15/3 | 125 | 37 | 47 | 32 | 1.5 | 180 |
| 89 PU 150/45/15/3 | 150 | 45 | 50 | 35 | 1.5 | 225 |
| 89 PU 160/50/15/3 | 160 | 50 | 60 | 35 | 1.5 | 250 |
| 89 PU 200/50/20/3 | 200 | 50 | 60 | 42 | 20 | 400 |
| estr attackers shed roller assuring | | | | | | |
| 89 PU 080/34/10/3R | 83 | 3.4 | 40 | 26 | 10 | 100 |
| 89 PU 100/34/10/3R | 100 | 34 | 30 | 26 | 10 | 140 |
| 89 PU 125/37/15/3R | 125 | 37 | 4.7 | 32 | 1.5 | 190 |
| 89 PU 150/45/15/3R | 150 | 45 | 50 | 35 | 1.5 | 225 |
| 89 PU 160/50/15/3R | 160 | 50 | 60 | 35 | 15 | 250 |
| 89 PU 200/50/20/3R | 200 | 50 | 60 | 42 | 20 | 400 |
| | | | | | | |

RÄDER-VOGEL® - VULKOLLAN® Drive Wheel / Steel Core

Standard sizes with Keyways / Ratings to 21,560 lbs VULKOLLAN® Tread – Steel Double Welded Core with Keyway



TREAD: VULKOLLAN® properly bonded to the steel core. Hardness 93 Shore A. (other harnesses available)

WHEEL CORE: Strong steel welded construction with tow fold

welded tubular steel core.

VULKOLLAN® tired heavy duty wheels with steel core have better properties than Urethane or Elastic Rubber.

- Highest wear resistance
- Highest abrasion and tear resistance
- Longer service life (up to 10 times that of rubber)
- Dynamic load capacity 2.5 times that of rubber (of same dimensions)

For speeds greater than 5 mph (8 kph), VULKOLLAN® treads should be used.

VULKOLLAN® wheels are available for any size caster and hub length

| Item # | Diameter (mm) | Tread Width (mm) | Wheel Hub / Length (mm) | Bearing ID (mm) | Load Capacity (lbs) |
|----------------------|------------------|---------------------|----------------------------|--------------------|------------------------|
| VUI 178A/100/50/2/25 | 100 | 50 | 50 | 25 | 1070 |
| VUI 178A/125/50/2/35 | 125 | 50 | 50 | 35 | 1540 |
| VUI 178A/150/50/2/35 | 150 | 50 | 50 | 35 | 1540 |
| VUI 178A/160/50/2/35 | 160 | 50 | 50 | 35 | 1140 |
| VUI 178A/180/55/2/35 | 180 | 55 | 60 | 35 | 2200 |
| VUI 178A/200/50/2/35 | 200 | 50 | 60 | 35 | 2200 |
| VUI 178A/200/80/2/50 | 200 | 80 | 80 | 50 | 2640 |
| VUI 178A/250/50/2/50 | 250 | 50 | 60 | 50 | 2420 |
| VUI 178A/250/80/2/50 | 250 | 80 | 80 | 50 | 3740 |
| VUI 178A/300/60/2/50 | 300 | 60 | 65 | 50 | 3520 |

25.4 mm = 1 inch 1 kg = 2.2 lbs

RÄDER-VOGEL® - VULKOLLAN® Drive Wheel / CI Core



Standard sizes with Keyways / Ratings to 3520 lbs

VULKOLLAN® tired heavy duty wheels with grey cast iron core have better properties than Urethane or Elastic Rubber.

- Highest wear resistance
- Highest abrasion and tear resistance
- Longer service life (up to 10 times that of rubber)
- Dynamic load capacity 2.5 times that of rubber (of same dimensions)

VULKOLLAN® treads should be used fpr speeds greater than 5 mph (8 kph), VULKOLLAN® treads should be used.

VULKOLLAN® Wheels are available for any size caster and hub length

TRACTOTHAN® is available in both VUI 178/5 and VU 178A Series: Add

"AT" after ordering number (i.e. VUI 178/100/50/5/25/AT)

| Item # | Diameter (mm) | Tread Width (mm) | Wheel Hub / Length (mm) | Bearing ID (mm) | Load Capacity (lbs) |
|----------------------|------------------|---------------------|----------------------------|--------------------|------------------------|
| VUI 178A/100/50/2/25 | 100 | 50 | 50 | 25 | 1070 |
| VUI 178A/125/50/2/35 | 125 | 50 | 50 | 35 | 1540 |
| VUI 178A/150/50/2/35 | 150 | 50 | 50 | 35 | 1540 |
| VUI 178A/160/50/2/35 | 160 | 50 | 50 | 35 | 1140 |
| VUI 178A/180/55/2/35 | 180 | 55 | 60 | 35 | 2200 |
| VUI 178A/200/50/2/35 | 200 | 50 | 60 | 35 | 2200 |
| VUI 178A/200/80/2/50 | 200 | 80 | 80 | 50 | 2640 |
| VUI 178A/250/50/2/50 | 250 | 50 | 60 | 50 | 2420 |
| VUI 178A/250/80/2/50 | 250 | 80 | 80 | 50 | 3740 |
| VUI 178A/300/60/2/50 | 300 | 60 | 65 | 50 | 3520 |

$R\ddot{A}DER-VOGEL$ - VULKOLLAN Drive Wheel / Steel Core

VULKOLLAN® heavy duty wheels with bolt hole fitting

Series 171 / L

Stable welded wheel center with bolt hole fitting. Direct bonded VULKOLLAN® tread.

| Air Lai Code | 0 | 1). | (9) | 100 | THE OWNER OF THE OWNER O | D, | .0 | |
|--------------------------|-----|-----|----------------------------------|--------------|--|-----|-----|------|
| | | | Logiverget V Anachs advantage | Maylock a | ted free | | | |
| 171/300/075/260/0/067/5L | 300 | 75 | 5/16,5 | 67 | 112 | 260 | 240 | 2000 |
| 171/300/100/260/0/067/5L | 300 | 100 | 5/16.6 | 67 | 112 | 260 | 240 | 2500 |
| 171/360/075/310/0/160/6L | 360 | 75 | 6/21,5 | 160 | 205 | 310 | 290 | 2500 |
| 171/400/100/350/0/160/6L | 400 | 100 | 6/21,5 | 160 | 205 | 350 | 330 | 3500 |
| 171/400/120/350/0/160/6L | 400 | 120 | 6/21,5 | 160 | 205 | 350 | 326 | 4000 |
| 171/400/150/350/0/160/6L | 400 | 150 | 6/21,5 | 1.60 | 205 | 350 | 326 | 4300 |
| 171/500/100/450/0/160/6L | 500 | 100 | 5/21,5 | 1,60 | 205 | 450 | 420 | 4500 |
| 171/500/120/450/0/160/6L | 500 | 120 | 6/21,5 | 160 | 205 | 450 | 420 | 5000 |
| 171/500/150/450/0/160/6L | 500 | 150 | 6/21,5 | 160 | 205 | 450 | 420 | 5700 |
| 171/500/200/450/0/160/6L | 500 | 200 | 6/21,5 | 160 | 205 | 450 | 420 | 8000 |



RÄDER-VOGEL® - VULKOLLAN® Guide Rollers

VULKOLLAN® guiding rollers Series 173 Roller body made of steel with force-litted rater bearing (75). Direct bonded VULKOLLAN® mend. type of heaving. (11) Arthal Cyale rivi 173/040/015/5/010 Ð 6000-2Z 173/040/020/5/010 Ħ 6000-2Z 173/040/025/5/010 6000-2Z 173/050/015/5/010 6200-2R5 173/050/020/5/012 6201-2RS 173/055/020/5/012 6201-2R5 173/055/020/5/015 6202-2RS S 173/060/020/5/017 6203-2R5 6004-2R5 173/060/020/5/020 6203-2R5 173/070/020/5/017 173/070/020/5/020 6004-2R5 ŝ S 173/070/025/5/020 6204-2RS 173/070/025/5/025 6205-2RS 173/080/025/5/020 6304-2R5 173/080/025/5/025 6205-2RS S 173/090/025/5/025 6205-2R5 6205-2R5 173/100/025/5/025 173/120/025/5/020 6304-2RS 173/120/025/5/025 6205-2RS S 173/120/030/5/030 6006-2RS 173/125/030/5/020 6004-2RS (2x) 173/125/030/5/025 6005-2RS (2x) S = circlip V = coulked

RÄDER-VOGEL® - PE•VO•LON® Guide Rollers

Series 130 PA

PE•VO•LON® conveyor rollers with sealed precision bearings

Roller body made of high-quality thermoplastic polyamide molded around the precision ball bearing (/5).



| Q | 3 | 0. | -0- | tyre of heaving | (60) | B |
|--|----|------|-------|-----------------|------|------|
| AtlaiCole | ** | 188 | 66 | | | *55 |
| 130 PA/030/011/5/08 | 30 | 11.0 | 7,0 | 608 2Z | 8 | 50 |
| 130 PA/040/014,5/5/10 | 40 | 14,5 | B,O | 6000-2Z | 10 | 100 |
| 130 PA/040/016/5/15 * | 40 | 16.0 | 9,0 | 6002-2R5 | 15 | 120 |
| 130 PA/040/018,5/5/10 | 40 | 18,5 | 18,5 | 6000 2RS (2x) | 10 | 140 |
| 130 PA/042/014,5/5/10 | 42 | 14.5 | B,O | 6000-2Z | 1.0 | 110 |
| 130 PA/042/014,5/5/12 | 42 | 14,5 | 10.0 | 6201-2R5 | 12 | 110 |
| 130 PA/044/016/5/12 | 44 | 16.0 | B.O | 6001 2Z | 12 | 120 |
| 130 PA/050/012/5/08 * | 50 | 12:0 | 7.0 | 608-22 | # | 110 |
| 130 PA/050/015/5/10 | 50 | 15.0 | 9.0 | 6200-2RS | 10 | 140 |
| 130 PA/050/015/5/12 | 50 | 15,0 | 8.0 | 6001-2RS | 12 | 140 |
| 130 PA/050/015/5/12 * | 50 | 15,0 | 8.0 | 6001-2Z | 1.2 | 140 |
| 130 PA/050/018/5/12 * | 50 | 18.0 | 10.0 | 6201-2RS | 12 | 170 |
| 130 PA/050/020/5/12 * | 50 | 20.0 | 10.0 | 6201-2RS | 12 | 190 |
| 130 PA/054/022/5/12 | 54 | 22,0 | 10.0 | 6201-2RS | 12 | 230 |
| 130 PA/055/025/5/15 | 55 | 25,0 | 9,0 | 6002-2R5 | 1.5 | 270 |
| 130 PA/060/030/5/15 | 60 | 30,0 | 13:0 | 6302:2R5 | 15 | 350 |
| 130 PA/062/020/5/12 | 62 | 20,0 | 19,2 | 6001-2RS (2x) | 12 | 240 |
| 130 PA/070/035/5/20 8** | 70 | 35.0 | 41.0 | 6204-22V (2x) | 20 | 490 |
| 130 PA/080/020/5/12 | 80 | 20.0 | 30,0 | 6201-2R5 | 12 | 310 |
| 130 PA/080/020/5/15 | 80 | 20,0 | 11:0 | 6202-2RS | 1.5 | 310 |
| 130 PA/080/020/5/17 | 60 | 20,0 | 12.0 | 6203-2R5 | 17 | 310 |
| 130 PA/080/025/5/25 | 60 | 25,0 | 12.0 | 6005 2RS | 25 | 400 |
| As already but offer body with subfacing the | | | | | | |
| 130 PA/065/018,5/5/10 | 65 | 18,5 | 9.0 | 6200 2RS | 10 | 230 |
| 130 PA/065/018,5/5/12 | 65 | 10,5 | 10,0 | 6201-2RS | 12 | 230 |
| the stormer, but with white broad | | | | | | |
| 130 PA/065/018,5/5/10 | 65 | 18,5 | 9,0 | 6200-2RS | 10 | 230 |
| 130 PA/065/018,5/5/12 | 65 | 18.5 | 10,0 | 6201-2RS | 12 | 230 |
| * black ** with crowned treat | | | 0.175 | | | 0.77 |
| | | | | | | |

Series 131 PA

Series 132 PA

PE•VO•LON® single flanged rollers with prec. bearing

| Attic | Kine. |
|-------|--------------------------|
| 131 | PA/035/10/050/18/5/12 |
| 131 | PA/050/26,5/090/35/5/12* |
| 131 | PA/062/19/080/26,5/5/17 |
| 131 | PA/062/19/080/26,5/5/15 |
| 131 | PA/062/19/080/26.5/5/17 |
| 131 | PA/060/20/065/25/5/15* |

* with previous bread

6002.2Z

Roller body made of high-quality thermoplastic polyamide molded

PE•VO•LON® grooved wheels with prec. bearing

Roller body made of high-quality thermoplastic polyamide molded around the ball bearing (/5).



| Arkel Cycle | Q | Ø | Ü. | Ú | 8 | Social provide | 0 | Ö |
|--|----------------|----------------------------|----------------------|-------------------------|---------------------|--|----------------------|-------------------------|
| 132 PA/065/055/018/5/17 132 PA/085/075/020/5/10 132 PA/085/075/020/5/12 132 PA/085/075/020/5/20 | 65 85 85 | 55 75 75 75 75 | 16 20 20 20 | R3,75 R8 RB RB | 12 9 10 14 | 6203-285 6200-285 6201-285 6204-285 | 12 10 12 20 | 75 200 200 200 |

25

240

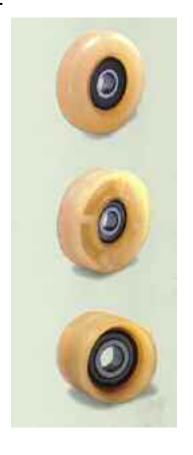
RÄDER-VOGEL® - PEVOTHAN® Guide Wheels

Roller body made of high-quality thermoplastic polyurethane (96° shore A) molded around the precision ball bearing (/5).

PEVOTHAN® conveyor rollers with prec. bearings

Series 130 PU

| | (B) | 3). | -6- | hard marks | (3) | 옵 |
|---|-----|------|------|------------|-----|-----|
| Artist-Carle | 4.0 | | 1911 | | *** | kg |
| 130 PU/030/011/5/08 | 30 | 11 | 7 | 608:2Z | 8 | 30 |
| 130 PU/040/014,5/5/10** | 40 | 14,5 | В | 6000-22 | 10 | 50 |
| 130 PU/040/016/5/15* | 40 | 16 | 9 | 6002-285 | 15 | 55 |
| 130 PU/040/020/5/10 | 40 | 20 | 9 | 6200-285 | 10 | 70 |
| 130 PU/042/014,5/5/10 | 42 | 14.5 | 8 | 6000-2Z | 10 | 55 |
| 130 PU/042/014,5/5/12 | 42 | 14,5 | 10 | 6201-285 | 12 | 55 |
| 130 PU/050/015/5/10 | 50 | 15 | 9 | 6200-2RS | 10 | 70 |
| 130 PU/050/015/5/12 | 50 | 15 | 8 | 6001-2R5 | 12 | 70 |
| 130 PU/055/025/5/15 | 55 | 25 | 9 | 6007-285 | 15 | 110 |
| 130 PU/060/018/5/12 | 60 | 18 | 10 | 6201-2RS | 12 | 90 |
| 130 PU/062/020/5/17 | 62 | 20 | 14 | 6303-2R5 | 17 | 110 |
| 130 PU/070/025/5/20** | 70 | 25 | 14 | 6204-22 | 20 | 150 |
| 130 PU/080/020/5/12 | 80 | 20 | 10 | 6201-2ks | 12 | 140 |
| 130 PU/080/020/5/15 | 80 | 20 | 11. | 6202-2RS | 15 | 140 |
| 130 PU/080/020/5/17 | 80 | 20 | 12 | 6203-285 | 17 | 140 |
| 130 PU/080/020/5/20 | 80 | 20 | 14 | 6204-2RS | 20 | 140 |
| 130 PU/080/025/5/25 | 80 | 25 | 12 | 6005 2RS | 25 | 170 |
| As above, but solve body with selecting the | | | | | | |
| 130 PU/065/018,5/5/10 | 65 | 18,5 | 9 | 620D 2RS | 10 | 100 |
| 130 PU/065/018,5/5/12 | 6.5 | 18 | 10 | 6201-2RS | 12 | 100 |
| As alone, but will make break | | | | | | |
| 130 PU/038/028/5/12 | 38 | 28 | 10 | 6201-2RS | 12 | 80 |
| 130 PU/038/038/5/12 | 38 | 38 | 10 | 6201 2RS | 12 | 110 |
| 130 PU/042/028/5/10 | 42 | 28 | 8 | 8000-2Z | 10 | 90 |
| 130 PU/042/028/5/12 | 42 | 28 | TO | 6201-2RS | 1.2 | 90 |
| 130 PU/042/038/5/12 | 42 | 38 | 10 | 6201-2RS | 12 | 130 |
| * at-ara/stok/ret **!ems/bro-s/bro | | | | | | |



Roller body made of high-quality thermoplastic polyurethane (96 $^{\rm e}$ shore A) molded around the ball bearing (/5).

90

80

80

50

62

26.5

131 PU/050/26,5/090/35/5/12

131 PU/062/19/080/26,5/5/15

131 PU/062/19/080/26,5/5/17

131 PU/062/19/080/26,5/5/17

PEVOTHAN® single flanged rollers with prec. bearing

| Þ | 8 | (ye disers) | 0 | õ |
|------|-----|-------------|----|-----|
| 26,5 | 10 | 6201-285 | 12 | 120 |
| 19 | 111 | 6202 2RS | 15 | 100 |
| 7.9 | 12 | 6203-285 | 17 | 100 |
| 19 | 10 | 6003-2R5 | 17 | 100 |

Series 131 PU



PE•VO•LON® roller body with a non-detachable, mechanically bonded tread made of high quality thermoplastic polyurethane (96°shore A) molded around the ball bearing (/5).

 $\begin{array}{l} \textbf{PEVOLASTIC} @ \ conveyor \ rollers \ with \\ \textbf{prec. bearings} \end{array}$

| D. Arthritism | Ø | 4 | + <u>⊕</u> + | tga of imming/ |) 옵 |
|--|----------|----------|--------------|----------------------------|-----|
| 133 PU/050/020/5/10 133 PU/080/027/5/20 | 50 80 | 20 27 | 9 | 6200-2RS 10 6204-2RS 20 | |

Series 133 PU



7.50

RÄDER-VOGEL® - VULKOLLAN® Pallet Rollers

Serie 174

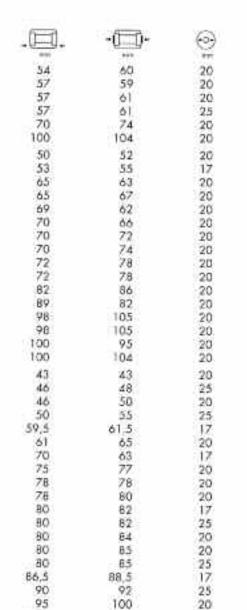
VULKOLLAN® pallet rollers with ball bearings

Roller body made of steel tube with ball bearings. Direct bonded VULKOUAN® fread.





| 므 | (P) |
|-----------------------|-----|
| Artist Carlo | 249 |
| 174/80/054/060/20 | 80 |
| 174/80/057/059/20 | 80 |
| 174/80/057/061/20 | 80 |
| 174/80/057/061/25 | 80 |
| 174/80/070/074/20 | 80 |
| 174/80/100/104/20 | 80 |
| 174/82/050/052/20 | 82 |
| 174/82/053/055/17 | 82 |
| 174/82/065/063/20 | 82 |
| 174/82/065/067/20 | 82 |
| 174/82/069/062/20 | 82 |
| 174/82/070/066/20 | 82 |
| 174/82/070/072/20 | 82 |
| 174/82/070/074/20 | 82 |
| 174/82/072/078/20 | 82 |
| 174/82/072/078/20 | 82 |
| 174/82/082/086/20 | 82 |
| 174/82/089/082/20 | 82 |
| 174/82/098/105/20 | 82 |
| 174/82/098/105/20 * | 82 |
| 174/82/100/095/20 | 82 |
| 174/82/100/104/20 | 82 |
| 174/85/043/043/20 | 85 |
| 174/85/046/048/25 | 8.5 |
| 174/85/046/050/20 | 85 |
| 174/85/050/055/25 | 85 |
| 174/85/059,5/061,5/17 | 8.5 |
| 174/85/061/065/20 | 85 |
| 174/85/070/063/17 | 85 |
| 174/85/075/077/20 | 8.5 |
| 174/85/078/078/20 | 85 |
| 174/85/078/080/20 | 85 |
| 174/85/080/082/17 | 85 |
| 174/85/080/082//25 | B5 |
| 174/85/080/084/20 | 8.5 |





174/85/120/124/20 with lobyrings seeding

174/85/080/085/20

174/85/080/085/25

174/85/090/092/25

174/85/095/100/20

174/85/100/100/25

174/85/100/102/17

174/85/100/102/25

174/85/100/104/25

174/85/105/110/25

174/85/086,5/088,5/17

RÄDER-VOGEL® - VULKOLLAN® Pallet Rollers



VULKOLLAN® pallet rollers with sealed ball bearings

Serie 174 VKS

Roller body made of steel tube with ball bearings. Direct banded VULKOLLAN® troad. Plastic sealing and V-ring gasket for protection of the ball bearings against splosh water and foreign matter.

| Anti-Corb | 3 | ·II. | - (□□)- | (e) | 욕 | |
|--|---------|------|----------------|-----|---|--|
| CONTROL OF THE PROPERTY OF THE | 80 | 74 | 76 | 13 | A 4 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | |
| 174 VKS/80/074/076/13 174 VKS/80/095/100/20 | 80 | 95 | 100 | 20 | 500 700 | |
| | 255,000 | | | | | |
| 174 VK5/82/050/055/20 | 82 | 50 | 55 | 20 | 350 | |
| 174 VKS/82/065/070/20 | 82 | 65 | 70 | 20 | 450 | |
| 174 VKS/82/069/074/20 | 82 | 69 | 7.4 | 20 | 500 | |
| 174 VKS/82/070/075/20 | 82 | 70 | 75 | 20 | 500 | |
| 174 VKS/82/072/077/17 | 82 | 72 | 77 | 17 | 500 | |
| 174 VKS/82/075/080/20 | 82 | 75 | 80 | 20 | 550 | |
| 174 VK5/85/060/065/12 | 85 | 60 | 6.5 | 12 | 450 | |
| 174 VKS/85/060/065/20 | 85 | 60 | 65 | 20 | 450 | |
| 174 VKS/85/060/065/25 | 85 | 60 | 65 | 25 | 450 | |
| 174 VKS/85/070/075/20 | 85 | 70 | 75 | 20 | 500 | |
| 174 VKS/85/070/075/25 | 8.5 | 70 | 75 | 25 | 500 | |
| 174 VKS/85/073/078/20 | 85 | 73. | 78 | 20 | 550 | |
| 174 VKS/85/075/080/20 | 85 | 75 | 80 | 20 | 550 | |
| 174 VKS/85/075/080/25 | 8.5 | 75 | 80 | 25 | 550 | |
| 174 VKS/85/078/082/12 | 8.5 | 78 | 82 | 12 | 600 | |
| 174 VK5/85/080/082/17 | 85 | 80 | 82 | 17 | 600 | |
| 174 VK5/85/080/085/12 | 8.5 | 80 | 85 | 12 | 600 | |
| 174 VK5/85/080/085/20 | 8.5 | 80 | 85 | 20 | 600 | |
| 174 VK5/85/080/085/25 | 85 | 80 | 85 | 25 | 600 | |
| 174 VKS/85/085/090/12 | 85 | 85 | 90 | 12 | 650 | |
| 174 VK5/85/085/090/20 | 85 | 85 | 90 | 20 | 650 | |
| 174 VKS/85/065/090/25 | B5 | 85 | 90 | 25 | 650 | |
| 174 VK5/85/090/095/20 | 85 | 90 | 95 | 20 | 700 | |
| 174 VKS/85/090/095/25 | 85 | 90 | 95 | 25 | 700 | |
| 174 VKS/85/095/100/17 | 85 | 95 | 100 | 17 | 750 | |
| 174 VKS/85/095/100/20 | 85 | 95 | 100 | 20 | 750 | |
| 174 VKS/85/095/100/25 | 85 | 95 | 100 | 25 | 750 | Farmer and the second |
| 174 VK5/85/100/101/20 | 85 | 100 | 101 | 20 | 800 | W |
| 174 VKS/85/100/105/20 | 85 | 100 | 105 | 20 | 800 | The same of the sa |
| 174 VKS/85/100/105/25 | 85 | 100 | 105 | 25 | 800 | |
| 174 VKS/85/105/110/12 | 85 | 105 | 110 | 12 | 600 | |
| 174 VKS/85/105/110/20 | 8.5 | 105 | 110 | 20 | 800 | DESCRIPTION TO THE RESERVE |
| 174 VKS/85/105/110/25 | 8.5 | 105 | 110 | 25 | 800 | MANG CASA |
| 174 VKS/85/110/115/25 | 8.5 | 110 | 115 | 25 | 850 | |

RÄDER-VOGEL® - PEVOPUR® Pallet Rollers

Serie 174 PUR

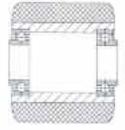
PEVOPUR® pallet rollers with ball bearings

Roller body made of steel tube with ball bearings. Direct bonded PEVOPUR® tread.

PEVOPUR®



| 174 PUR/B0/054/060/20 BO 54 60 20 400 174 PUR/B0/057/061/25 BO 57 61 20 400 174 PUR/B0/057/061/25 BO 57 61 25 400 174 PUR/B0/061/065/20 BO 61 65 20 400 174 PUR/B0/070/072/20 BO 70 72 20 450 174 PUR/B2/062/064/20 B2 62 64 20 450 174 PUR/B2/066/064/20 B2 66 71 20 450 174 PUR/B2/066/071/20 B2 66 71 20 450 174 PUR/B2/066/071/20 B2 66 71 20 450 174 PUR/B2/060/074/20 B2 68 74 20 500 174 PUR/B2/070/066/20 B2 70 70 20 500 174 PUR/B2/070/070/20 B2 70 70 20 500 174 PUR/B2/070/070/20 B2 70 70 20 500 174 PUR/B2/070/074/20 B2 70 70 72 20 500 174 PUR/B2/070/074/20 B2 70 74 20 500 174 PUR/B2/070/074/20 B2 78 B2 20 650 174 PUR/B2/070/074/20 B2 78 B2 20 650 174 PUR/B2/078/082/20 B2 PB 102 20 650 174 PUR/B2/098/1082/20 B2 PB 102 20 70 174 PUR/B2/098/1082/20 B2 PB 102 20 70 174 PUR/B2/098/108/20 B2 98 102 20 700 174 PUR/B2/098/108/20 B2 100 96 20 700 174 PUR/B2/098/108/20 B2 98 102 20 700 174 PUR/B2/098/108/20 B2 100 96 20 700 174 PUR/B2/098/108/20 B2 98 102 20 700 174 PUR/B2/098/098/20 B2 98 102 20 700 174 PUR/B3/098/098/20 B2 98 102 20 700 174 PUR/B3/098/098/20 B2 98 98 20 90 20 700 174 PUR/B3/098/098/20 B3 98 98 20 90 20 700 174 PUR/B3/098/098/20 B3 98 90 90 20 700 174 PUR/B3/098/098/20 B3 99 9 | Articl Code | 690 | ** | 700 | 40 | kg |
|--|---------------------------|---|--|---|-----------|-----------------|
| 174 PUR/B0/057/061/25 B0 57 61 20 400 174 PUR/B0/057/061/25 B0 57 61 25 400 174 PUR/B0/070/072/20 80 61 65 20 400 174 PUR/B0/070/072/20 80 70 72 20 450 174 PUR/B2/062/064/20 82 62 64 20 450 174 PUR/B2/064/071/20 82 66 71 20 450 174 PUR/B2/086/074/20 82 68 74 20 500 174 PUR/B2/086/074/20 82 70 66 20 500 174 PUR/B2/070/066/20 82 70 70 20 500 174 PUR/B2/070/070/20 82 70 70 20 500 174 PUR/B2/070/070/20 82 70 74 20 500 174 PUR/B2/070/070/20 82 78 82 20 600 174 PUR/B2/070/070/20 82 78 82 20 600 174 PUR/B2/070/070/20 82 89 82 20 650 174 PUR/B2/090/085/20 82 89 82 20 650 174 PUR/B2/090/085/20 82 91 96 20 650 174 PUR/B2/090/085/20 82 98 102 20 700 174 PUR/B2/096/094/20 82 98 102 20 700 174 PUR/B2/096/096/20 82 98 102 20 700 174 PUR/B2/096/096/20 82 98 102 20 700 174 PUR/B2/096/096/20 82 98 102 20 700 174 PUR/B2/000/096/20 82 98 102 20 700 174 PUR/B2/000/096/20 85 60 65 20 350 174 PUR/B2/000/096/20 85 60 65 20 350 174 PUR/B2/000/096/20 85 60 65 20 350 174 PUR/B2/000/096/20 85 75 75 20 550 174 PUR/BS/000/055/20 85 75 75 20 550 174 PUR/BS/000/055/20 85 78 78 20 600 174 PUR/BS/000/055/20 85 80 82 17 600 174 PUR/BS/000/055/20 85 80 82 87.5 25 600 174 PUR/BS/000/099/20 85 90 90 20 700 174 PUR/BS/000/099/20 85 90 90 20 700 174 | 174 PUR/80/054/060/20 | | | | | 100 |
| 174 PUR/80/057/061/25 80 57 61 25 400 174 PUR/80/070/072/20 80 61 65 20 400 174 PUR/80/070/072/20 80 61 65 20 450 174 PUR/82/062/064/20 82 62 64 20 450 174 PUR/82/066/071/20 82 66 71 20 450 174 PUR/82/066/071/20 82 66 71 20 450 174 PUR/82/066/071/20 82 68 74 20 500 174 PUR/82/066/071/20 82 70 66 20 500 174 PUR/82/070/070/20 82 70 70 20 500 174 PUR/82/070/070/20 82 70 70 20 500 174 PUR/82/070/072/20 82 70 74 20 500 174 PUR/82/070/074/20 82 70 74 20 500 174 PUR/82/070/074/20 82 72 78 20 500 174 PUR/82/070/074/20 82 72 78 20 550 174 PUR/82/070/074/20 82 72 78 20 550 174 PUR/82/070/074/20 82 72 78 82 20 600 174 PUR/82/070/085/20 82 89 82 20 600 174 PUR/82/089/085/20 82 90 85 20 650 174 PUR/82/090/085/20 82 90 85 20 650 174 PUR/82/090/085/20 82 96 98 20 700 174 PUR/82/090/085/20 82 98 102 20 700 174 PUR/82/090/098/20 82 98 102 20 700 174 PUR/82/090/098/20 82 98 102 20 700 174 PUR/82/090/098/20 82 98 102 20 700 174 PUR/82/090/096/20 82 98 102 20 700 174 PUR/82/090/096/20 82 96 105 20 700 174 PUR/82/090/096/20 85 46 50 20 350 174 PUR/85/060/065/20 85 60 65 20 450 174 PUR/85/060/065/20 85 60 65 20 450 174 PUR/85/070/070/17 85 70 70 70 70 174 PUR/85/070/070/17 85 70 70 70 70 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/080/20 85 90 90 20 700 174 PUR/85/080/090/20 85 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR | | | | | | |
| 174 PUR/80/061/065/20 | | | | | | 4017/08 |
| 174 PUR/82/064/071/20 80 70 72 20 450 174 PUR/82/064/071/20 82 62 62 64 20 450 174 PUR/82/066/071/20 82 66 71 20 450 174 PUR/82/066/071/20 82 68 74 20 500 174 PUR/82/070/076/20 82 70 66 20 500 174 PUR/82/070/070/20 82 70 70 20 500 174 PUR/82/070/072/20 82 70 72 20 500 174 PUR/82/070/074/20 82 70 72 20 500 174 PUR/82/070/074/20 82 70 74 20 500 174 PUR/82/070/074/20 82 70 74 20 500 174 PUR/82/070/074/20 82 70 74 20 500 174 PUR/82/078/082/20 82 78 82 20 600 174 PUR/82/078/082/20 82 89 82 20 600 174 PUR/82/078/085/20 82 91 96 20 650 174 PUR/82/090/085/20 82 96 98 20 700 174 PUR/82/090/086/20 82 96 98 102 20 700 174 PUR/82/090/05/20 82 98 102 20 700 174 PUR/82/090/05/20 82 98 102 20 700 174 PUR/82/090/05/20 82 98 105 20 700 174 PUR/82/090/070/070 82 100 104 20 700 174 PUR/82/000/070/070 85 70 70 104 20 700 174 PUR/85/040/050/20 85 63 65 25 450 174 PUR/85/070/070/17 85 63 65 25 450 174 PUR/85/070/070/17 85 80 82 17 600 174 PUR/85/080/082/21 85 80 82 25 600 174 PUR/85/080/082/21 85 80 82 25 600 174 PUR/85/080/082/21 85 80 82 25 600 174 PUR/85/080/080/21 85 90 90 90 20 700 174 PUR/85/080/090/20 85 90 90 20 750 174 PUR/85/090/090/20 85 90 90 20 750 174 PUR/85/090 | | | | | | |
| 174 PUR/82/064/071/20 82 66 71 20 450 174 PUR/82/066/071/20 82 66 71 20 450 174 PUR/82/070/066/20 82 70 66 20 500 174 PUR/82/070/070/20 82 70 70 20 500 174 PUR/82/070/072/20 82 70 70 20 500 174 PUR/82/070/072/20 82 70 72 20 500 174 PUR/82/070/072/20 82 70 74 20 500 174 PUR/82/070/072/20 82 70 74 20 500 174 PUR/82/070/072/20 82 70 74 20 500 174 PUR/82/072/078/20 82 72 78 80 20 500 174 PUR/82/078/082/20 82 78 82 20 600 174 PUR/82/078/082/20 82 89 82 20 600 174 PUR/82/096/085/20 82 91 96 20 650 174 PUR/82/096/085/20 82 91 96 20 650 174 PUR/82/096/082/20 82 91 96 20 650 174 PUR/82/096/08/20 82 91 96 20 650 174 PUR/82/096/08/20 82 91 96 20 650 174 PUR/82/096/08/20 82 96 98 20 700 174 PUR/82/096/08/20 82 98 102 20 700 174 PUR/82/096/08/20 82 98 102 20 700 174 PUR/82/096/08/20 82 98 105 20 700 174 PUR/82/096/09/20 82 98 105 20 700 174 PUR/82/100/096/20 82 100 96 20 700 174 PUR/82/100/096/20 82 100 96 20 700 174 PUR/82/100/096/20 85 46 50 20 350 174 PUR/82/100/096/20 85 60 65 20 450 174 PUR/85/066/065/20 85 60 65 20 450 174 PUR/85/066/065/20 85 60 65 25 430 174 PUR/85/060/057/20 85 75 75 20 550 174 PUR/85/070/070/17 85 70 70 20 500 174 PUR/85/070/070/17 85 70 70 20 500 174 PUR/85/076/075/20 85 78 85 20 600 174 PUR/85/076/075/20 85 78 85 20 600 174 PUR/85/076/075/20 85 78 85 20 600 174 PUR/85/076/076/20 85 85 78 85 20 600 174 PUR/85/076/076/20 85 95 98 90 20 700 174 PUR/85/080/082/25 85 80 85 20 600 174 PUR/85/080/082/25 85 80 85 20 600 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/090/20 85 95 95 90 20 750 174 PUR/85/090/090/20 85 95 90 90 20 750 174 PUR/85/090/090/20 85 95 95 90 20 750 174 PUR/85/090/090/20 85 95 90 90 20 20 750 174 PUR/85/090/090/20 85 95 90 90 20 20 20 20 20 20 20 20 20 20 20 20 20 | | | | 2000 | | |
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| 174 PUR/85/060/065/20 | 174 PUR/85/046/050/20 | B.5 | | | | |
| 174 PUR/85/063/065/25 85 63 65 25 450 174 PUR/85/070/070/17 85 70 70 17 500 174 PUR/85/070/070/20 85 70 70 20 500 174 PUR/85/075/075/20 85 75 75 20 550 174 PUR/85/078/078/20 85 78 78 20 600 174 PUR/85/078/085/20 85 78 85 20 600 174 PUR/85/080/082/17 85 80 82 17 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 82 25 600 174 PUR/85/080/085/20 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/080/090/20 85 80 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/094/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 96 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | | 70.70 | 7.000.00 | | 7 300 000 | |
| 174 PUR/85/070/070/17 85 70 70 17 500 174 PUR/85/070/070/20 85 70 70 20 500 174 PUR/85/075/075/20 85 75 75 20 550 174 PUR/85/078/078/20 85 78 78 20 600 174 PUR/85/078/085/20 85 78 85 20 600 174 PUR/85/080/082/17 85 80 82 17 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/080/090/20 85 80 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 96 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | | | The state of the s | | | |
| 174 PUR/85/070/070/20 85 70 70 20 500 174 PUR/85/075/075/20 85 75 75 20 550 174 PUR/85/078/078/20 85 78 78 20 600 174 PUR/85/078/085/20 85 78 85 20 600 174 PUR/85/080/082/17 85 80 82 17 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/080/090/20 85 80 90 90 20 700 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/094/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 96 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | | 8.5 | | | | N 0.0000 |
| 174 PUR/85/075/075/20 85 75 75 20 550 174 PUR/85/078/078/20 85 78 85 20 600 174 PUR/85/078/085/20 85 78 85 20 600 174 PUR/85/080/082/17 85 80 82 17 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/080/085/20 85 82 87,5 25 600 174 PUR/85/080/085/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/090/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 96 20 750 174 PUR/85/095/099/20 85 95 96 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/070/070/20 | | | 20075-11 | | |
| 174 PUR/85/078/078/20 85 78 85 20 600 174 PUR/85/078/085/20 85 78 85 20 600 174 PUR/85/080/082/17 85 80 82 17 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/082/087,5/25 85 82 87,5 25 600 174 PUR/85/086,5/088,5/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/094/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 96 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | | | | | 10.00 | |
| 174 PUR/85/078/085/20 85 78 85 20 600 174 PUR/85/080/082/17 85 80 82 17 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/082/087,5/25 85 82 87,5 25 600 174 PUR/85/086,5/088,5/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 95 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/105/110/25 85 105 110 25 800 | | | | 0.000 | | |
| 174 PUR/85/080/082/17 85 80 82 17 600 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/082/087,5/25 85 82 87,5 25 600 174 PUR/85/086,5/088,5/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 95 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/078/085/20 | 85 | | | | |
| 174 PUR/85/080/082/25 85 80 82 25 600 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/082/087,5/25 85 82 87,5 25 600 174 PUR/85/086,5/088,5/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | | 8.5 | 80 | | | |
| 174 PUR/85/080/085/20 85 80 85 20 600 174 PUR/85/082/087,5/25 85 82 87,5 25 600 174 PUR/85/086,5/088,5/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/094/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/080/082/25 | | | | | |
| 174 PUR/85/082/087,5/25 85 82 87,5 25 600 174 PUR/85/086,5/088,5/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/094/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/080/085/20 | 85 | 80 | 200.00 | | |
| 174 PUR/85/086,5/088,5/17 85 86,5 88,5 17 650 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/094/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/082/087,5/25 | 8.5 | 82 | 87.5 | | F100 H001 Sect. |
| 174 PUR/85/090/090/20 85 90 90 20 700 174 PUR/85/090/094/20 85 90 94 20 700 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/086,5/088,5/17 | 85 | 86.5 | | | |
| 174 PUR/85/095/095/20 85 95 95 20 750 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/090/090/20 | 8.5 | 90 | | | |
| 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | | 8.5 | 90 | 94 | 20 | 700 |
| 174 PUR/85/095/099/20 85 95 99 20 750 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/095/095/20 | 85 | | 95 | | |
| 174 PUR/85/100/102/17 85 100 102 17 800 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/095/099/20 | 85 | 95 | 99 | | |
| 174 PUR/85/100/102/20 85 100 102 20 800 174 PUR/85/105/110/25 85 105 110 25 800 | 174 PUR/85/100/102/17 | 85 | 100 | 102 | 17 | |
| | 174 PUR/85/100/102/20 | 8.5 | 100 | | | 0.000 |
| | 174 PUR/85/105/110/25 | 85 | 105 | 110 | | |
| | 174 PUR/85/110/114/25 | 85 | 110 | 114 | | |



RÄDER-VOGEL® - PEVOPUR® Pallet Rollers

PEVOPUR®

PEVOPUR® pallet rallers with sealed ball bearings

Serie 174 PUR VKS

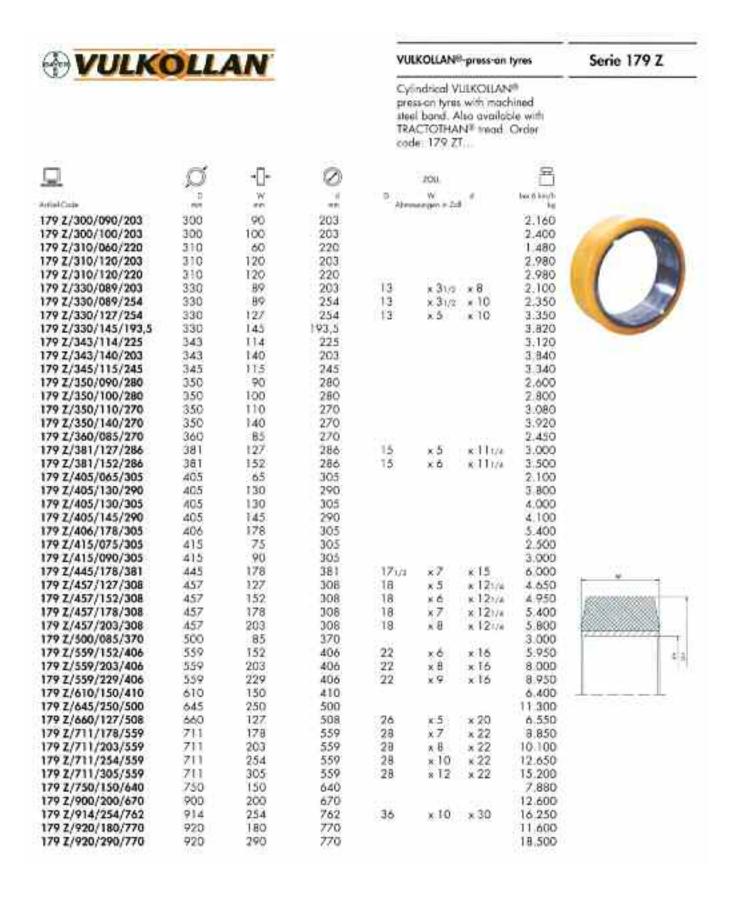
Roller body made of steel tube with ball bearings. Direct bonded PEVCPUR® tread. Plastic sealing and Vring gasket for protection of the ball bearings against splash water and foreign matter.

| Q | 3 | .000. | -0=0- | (-0-) | Ö | |
|-----------------------------|------|-------|-------|-------|-----|---------------|
| Arrical Code | 1979 | 86 | 990 | 466 | 49 | |
| 174 PUR VKS/80/070/074,7/20 | BO | 70 | 74,7 | 20 | 450 | |
| 174 PUR KS/82/060/064,7/20 | 82 | 60 | 64,7 | 20 | 450 | |
| 174 PUR VKS/82/065/070/20 | 82 | 8.5 | 70 | 20 | 450 | 100 |
| 174 PUR VKS/82/069/074/20 | 82 | 69 | 74 | 20 | 500 | |
| 174 PUR KS/82/070/074/20 | 82 | 70 | 74 | 20 | 500 | |
| 174 PUR VKS/82/098/102/20 | 82 | 98 | 102 | 20 | 700 | |
| 174 PUR KS/82/100/104,7/20 | 82 | 100 | 104,7 | 20 | 700 | |
| 174 PUR VKS/85/060/065/12 | 85 | 60 | 65 | 12 | 450 | |
| 174 PUR VK5/85/060/065/20 | 85 | 60 | 65 | 20 | 450 | |
| 174 PUR VKS/85/060/065/25 | 85 | 60 | 65 | 25 | 450 | |
| 174 PUR VKS/85/065/070/17 | 85 | 65 | 70 | 17 | 500 | |
| 174 PUR VKS/85/065/070,5/20 | 85 | 65 | 70,5 | 20 | 500 | |
| 174 PUR VKS/85/070/070/20 | 85 | 70 | 70 | 20 | 500 | |
| 174 PUR VKS/85/070/075/12 | 85 | 70 | 75 | 12 | 500 | |
| 174 PUR VKS/85/070/075/20 | 85 | 70 | 75 | 20 | 500 | |
| 174 PUR KS/85/073/078/20 | 85 | 73 | 78 | 20 | 550 | |
| 174 PUR VKS/85/073/078/20 | 85 | 73 | 78 | 20 | 550 | |
| 174 PUR VKS/85/075/080/20 | 85 | 75 | 80 | 20 | 550 | |
| 174 PUR VK5/85/075/080/25 | 85 | 7.5 | 80 | 25 | 550 | |
| 174 PUR VKS/85/080/085/12 | 85 | 80 | 8.5 | 12 | 600 | |
| 174 PUR VKS/85/080/085/20 | 85 | 80 | 85 | 20 | 600 | |
| 174 PUR VKS/85/080/085/25 | 8.5 | 80 | 8.5 | 25 | 600 | |
| 174 PUR VK5/85/085/090/12 | 8.5 | 85 | 90 | 12 | 650 | |
| 174 PUR VK5/85/086,5/092/20 | 8.5 | B6,5 | 92 | 20 | 650 | |
| 174 PUR VKS/85/090/090/20 | 8.5 | 90 | 90 | 20 | 700 | |
| 174 PUR VKS/85/095/100/20 | 8.5 | 95 | 100 | 20 | 750 | |
| 174 PUR KS/85/099/104/20 | 85 | 99 | 104 | 20 | 800 | / TOTAL TOTAL |
| 174 PUR VKS/85/100/102/25 | 85 | 100 | 102 | 25 | 800 | |
| 174 PUR VKS/85/100/105/20 | 85 | 100 | 105 | 20 | 800 | |
| 174 PUR VKS/85/100/105/25 | 85 | 100 | 105 | 25 | 800 | |
| 174 PUR VKS/85/105/110/12 | 85 | 105 | 110 | 12 | 800 | |
| 174 PUR VK5/85/105/110/25 | 85 | 105 | 110 | 25 | BOO | ALTO DEPA |
| 174 PUR VK5/85/110/115/25 | 85 | 110 | 115 | 25 | 850 | |

RÄDER-VOGEL® - VULKOLLAN® Press-On Tires

VULKOLLAN Serie 179 Z VULKOLLAN® press on tyres Cylindrical VULXOLIAN® press on tyres with machined steel band. Also available with TRACTOTHAN® read, Order code: 179 ZT. ij. Ŷ. Alvenning a 2st Many 179 Z/100/032/075 179 Z/100/070/055 179 Z/125/040/075 179 Z/125/050/075 179 Z/150/040/100 179 Z/150/050/100 179 Z/150/065/100 179 Z/150/075/100 179 Z/150/100/085 1.260 179 Z/150/130/100 1.640 179 Z/160/050/100 179 Z/160/075/100 1.020 179 Z/180/050/120 179 Z/180/075/120 1.140 179 Z/180/100/105 1,520 179 Z/200/050/140 E40 179 Z/200/060/150 1.020 179 Z/200/070/140 1.180 179 Z/200/075/100 1.260 179 Z/200/080/120 1,350 179 Z/200/085/105 179 Z/200/105/120 1,780 179 Z/230/050/170 179 Z/230/075/170 1,450 179 Z/230/085/170 179 Z/250/050/190 1:050 179 Z/250/060/190 1.250 179 Z/250/075/140 1,580 179 Z/250/080/170 1:6B0 179 Z/250/100/170 2,100 179 Z/250/105/170 2.220 179 Z/250/105/190 2.220179 7/250/130/140 2.7404/6 179 Z/254/076/203 х3 ×8 1.640 179 Z/254/102/159 x 4 x 61/4 2.180× 4 179 Z/254/102/165 £ 61/2 2.180179 Z/254/127/165 x.5 2.720× 01/2 179 Z/260/085/170 1.860 179 Z/260/105/170 2.300 179 Z/267/089/203 10/72 ×8 2.000 ×31/2 179 Z/285/075/220 1.800 179 Z/285/100/200 2,400 179 Z/285/100/220 2.400179 Z/285/100/228 2.400179 Z/290/105/185 2.560179 Z/300/050/240 1.260 179 Z/300/075/240 1,800

RÄDER-VOGEL® - VULKOLLAN® Press-On Tires



RÄDER-VOGEL® - VULKOLLAN® Press-On Tires

Serie 179 K

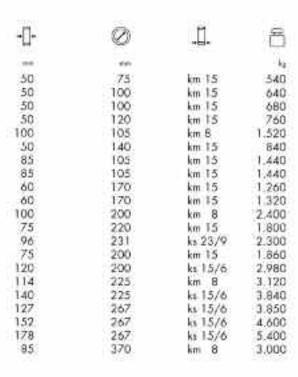
VULKOLLAN® press-on tyres

VULKOLLAN

VULKOLLAN® pression tyres with steel band. With conical base tyre, centre split (km) or laterally split (ks). Also available with TRACTOTHAN® tread. Order code: 179 KT...

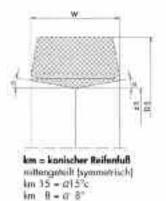


| 旦 | O |
|---------------------|-----|
| Artical Code | rvn |
| 179 K/125/050/075 | 125 |
| 179 K/150/050/100 | 150 |
| 179 K/160/050/100 | 160 |
| 179 K/180/050/120 | 180 |
| 179 K/180/100/105 | 180 |
| 179 K/200/050/140 | 200 |
| 179 K/200/085/105 | 200 |
| 179 K/200/085/105 P | 200 |
| 179 K/250/060/170 | 250 |
| 179 K/260/060/170 | 260 |
| 179 K/285/100/200 | 285 |
| 179 K/300/075/220 | 300 |
| 179 K/300/096/231 | 300 |
| 179 K/310/075/200 | 310 |
| 179 K/310/120/200 | 310 |
| 179 K/343/114/225 | 343 |
| 179 K/343/140/225 | 343 |
| 179 K/406/127/267 | 406 |
| 179 K/406/152/267 | 406 |
| 179 K/406/178/267 | 406 |
| 179 K/500/085/370 | 500 |





ks = konischer Reifenfuß seitengeteilt (coymmatrisch) ks 15/6 = α15°, β6° ks 23/9 = α23°, β9°



RÄDER-VOGEL® - PEVOPUR® Press-On Tires

PEVOPUR®

PEVOPUR® press-on tyres

Serie 179 Z PUR

Cylindrical PEVOPUR® presson fyres with machined steel band.

| <u>_</u> | Ø | -0- | 0 | 200 | | | A |
|---------------------------|---------|------|-----------|----------|----------------|---------|-------------|
| ArtiolCate | D mi | W | di dan | T) Above | W organis S | | Tel Elite/N |
| 179 Z PUR/150/050/100 | 150 | 50 | 100 | 107.5 | | | 640 |
| 179 Z PUR/150/075/100 | 150 | 75 | 100 | | | | 950 |
| 179 Z PUR/180/050/120 | 180 | 50 | 120 | | | | 760 |
| 179 Z PUR/180/075/120 | 180 | 75 | 120 | | | | 1.140 |
| 179 Z PUR/190/051/127 | 190 | 51 | 127 | | | | 800 |
| 179 Z PUR/200/050/140 | 200 | 50 | 140 | | | | 840 |
| 179 Z PUR/200/075/100 | 200 | 75 | 100 | | | | 1.260 |
| 179 Z PUR/230/050/170 | 230 | 50 | 170 | | | | 980 |
| 179 Z PUR/230/075/170 | 230 | 75 | 170 | | | | 1.460 |
| 179 Z PUR/230/085/170 | 230 | 85 | 170 | | | | 1.650 |
| 179 Z PUR/250/050/190 | 250 | 50 | 190 | | | | 1.060 |
| 179 Z PUR/250/060/190 | 250 | 60 | 190 | | | | 1.260 |
| 179 Z PUR/250/080/170 | 250 | 80 | 170 | | | | 1.680 |
| 179 Z PUR/250/130/140 | 250 | 130 | 140 | | | | 2.740 |
| 179 Z PUR/254/076/203 | 254 | 76 | 203 | 10 | × 3 | × B | 1.640 |
| 179 Z PUR/254/102/159 | 254 | 102 | 159 | 10 | × 4 | A DIVA | 2.180 |
| 179 Z PUR/254/102/165 | 254 | 102 | 165 | 10 | × 4 | x 6 UE | 2.180 |
| 179 Z PUR/254/120/190 | 254 | 120 | 190 | 4,000 | | | 2.560 |
| 179 Z PUR/254/127/165 | 254 | 127 | 165 | 10 | ×5 | x 61/2 | 2.720 |
| 179 Z PUR/260/085/170 | 260 | 85 | 170 | | | 2000 | 1.860 |
| 179 Z PUR/265/085/190,2 B | 265 | 85 | 190 | | | | 1.900 |
| 179 Z PUR/267/089/203 | 267 | 89 | 203 | 1000 | willion. | × B | 2.000 |
| 179 Z PUR/285/100/200 | 285 | 100 | 200 | 1125-625 | 100,210,000 | 1000 | 2,400 |
| 179 Z PUR/285/100/228 | 285 | 100 | 228 | | | | 2,400 |
| 179 Z PUR/295/100/230 | 295 | 100 | 230 | | | | 2,480 |
| 179 Z PUR/305/076/254 | 305 | 76 | 254 | 12 | ×3 | × 10 | 1.850 |
| 179 Z PUR/305/127/203 | 305 | 127 | 203 | 12 | x.5 | ×8 | 3,100 |
| 179 Z PUR/318/076/254 | 318 | 76 | 254 | 121/2 | ×3 | x 10 | 1.920 |
| 179 Z PUR/318/089/254 | 318 | 89 | 254 | 121/2 | x 3172 | x 10 | 2.260 |
| 179 Z PUR/330/089/254 | 330 | 89 | 254 | 13 | ×31/2 | x 10 | 2.350 |
| 179 Z PUR/330/140/241,3 | 330 | 140 | 241 | 13 | x 51/1 | x 91/2 | 3.680 |
| 179 Z PUR/330/145/180 | 330 | 145 | 180 | | | | 3.820 |
| 179 Z PUR/330/145/193,5 | 330 | 145 | 193 | | | | 3.820 |
| 179 Z PUR/343/140/203 | 343 | 140 | 203 | | | | 3.840 |
| 179 Z PUR/345/140/245 | 345 | 140 | 245 | | | | 3.860 |
| 179 Z PUR/350/090/280 | 350 | 90 | 280 | | | | 2.600 |
| 179 Z PUR/350/100/280 | 350 | 1.00 | 280 | | | | 2.800 |
| 179 Z PUR/360/120/220 | 360 | 120 | 220 | | | | 3,440 |
| 179 Z PUR/381/127/286 | 381 | 127 | 286 | 1.5 | × 5 | ×111/4 | 3.000 |
| 179 Z PUR/405/130/305 | 405 | 130 | 305 | | | | 4.000 |
| 179 Z PUR/405/145/290 | 405 | 145 | 290 | | | | 4,100 |
| 179 Z PUR/457/203/308 | 457 | 203 | 308 | 18 | × B | × 12:56 | |
| 179 Z PUR/500/085/370 | 500 | 85 | 370 | | | | 3:000 |
| 179 Z PUR/550/160/410 | 550 | 160 | 410 | 19/200 | 15 | | 6.100 |
| 179 Z PUR/559/203/406 | 559 | 203 | 406 | 22 | × B | x 16 | 8.000 |
| 179 Z PUR/559/254/406 | 559 | 254 | 406 | 22 | x 10 | x 16 | 9.900 |
| 179 Z PUR/711/203/559 | 711 | 203 | 559 | 28 | x B | × 22 | 10.100 |
| 179 Z PUR/711/254/559 | 711 | 254 | 559 | 28 | × 10 | x 22 | 12.550 |



