

## 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/cm <sup>3</sup>	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 mm <sup>3</sup>	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.

	Material			
	VULKOLLAN®	TRACTOTHAN®	TRACTOPUR®	PEVOPUR®
VULKOLLAN® TRACTOTHAN® TRACTOPUR® PEVOPUR®	93° Shore 93° Shore 93° Shore 93° Shore	93° PU-Injection	93° PU-Injection	93°
mechanical features				
Shore hardness A	DIN 53 505 1,28	93° PU-Injection 1,25	93° PU-Injection 1,23	93°
Density in g/cm³	approx. 600	approx. 600	approx. 600	approx. 600
Elongation at rupture in %	9 - 0,5	9 - 0,5	9 - 6,5	8 - 8,5
Tensile stress in MPa at 100%	DIN 53 524 100 - 140	100 - 140	50 - 90	60 - 80
Modulus of elasticity in MPa at 20°C	DIN 53 457 65 - 60	65 - 60	90 - 56	50 - 59
Impact resistance in %	DIN 53 612 50 - 53	50 - 55	45 - 50	45 - 30
Resistance to tear propagation in kN/m	DIN 53 615 10 - 11	10 - 11	11 - 12	11 - 12
Compression set in % 70 h, 23°C	DIN 53 517 95	40	42	41
Abrasion loss in mm*	DIN 53 510 0,10	0,15	0,15	0,10
Coefficient of friction (traust) on wet floor at 8000 N	(average) 0,0 - 0,3	0,3 - 1,0	0,95 - 1,05	0,65 - 0,95
Rolling resistance at 20°C in % of charge		1,2 - 1,5	1,25 - 1,50	1,15 - 1,46
Sliding resistance at 20°C in % of charge				

VULKOLLAN® - registered trade mark of BAYER AG, TRACTOTHAN®, TRACTOPUR® and PEVOPUR® - registered trade mark of RÄDER-VOGEL. All values indicated in this table are approximate values resulting from our own tests or measurements given by our raw material suppliers. The named tests refer to standard test samples, so that these values are not directly applicable for streets and carriers. Furthermore these values change under such influences like temperature, humidity, duration of charge, compression, etc.

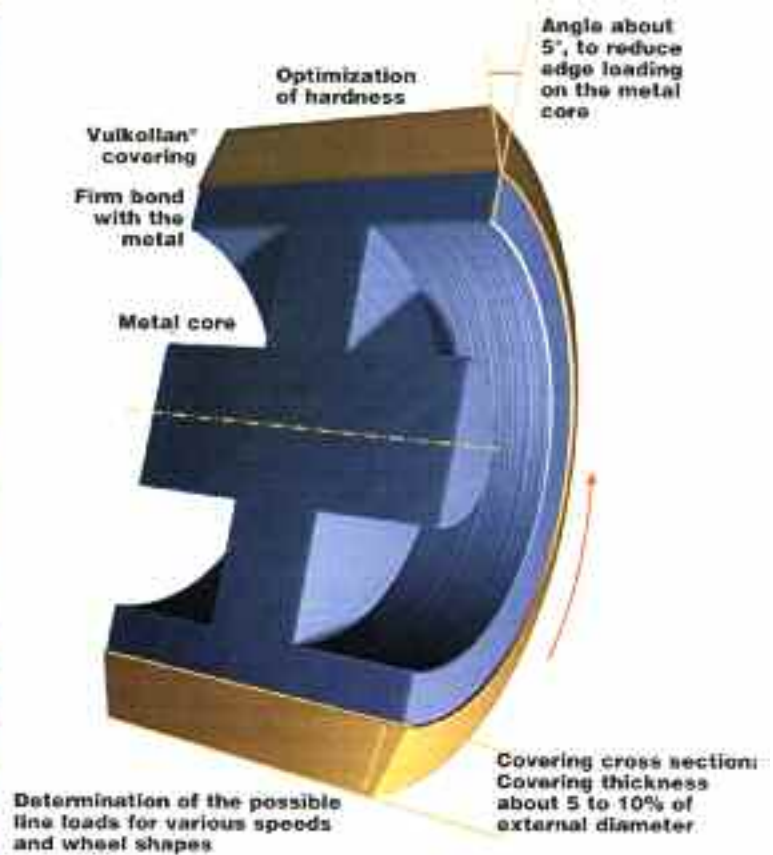
No legal obligation / Stand: April 1998

Rollers and wheels are major application areas for VULKOLLAN®, since they are 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**





### **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.



### 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 periods. Recovery is then determined. Low values denote low permanent set.



### TEAR PROPOGATION RESISTANCE

Tear propagation resistance is measured by stretching a notched specimen. High tear propagation 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.



<b>RÄDER-VOGEL® WHEELS</b>	<b>PAGE #</b>
VULKOLLAN® .....	125-130
PEVOSOFT® & PEVOPUR® .....	131-136
PE•VO•LON® .....	137-139
PEVOLASTIC® / PEVOTHAN® .....	140-143
Drive Wheels .....	144-146
Guide Rollers .....	147-149
Pallet Rollers .....	150-153
Press-On Tires .....	154-158



**VULKOLLAN® WHEELS**



**VULKOLLAN® /  
CAST IRON CORE**

Visit our Web site for new products  
[www.acornindprod.com](http://www.acornindprod.com)



**PEVOSOFT®  
ALUMINUM CORE**



**PEVOPUR®  
ALUMINUM CORE**



**PEVOSOFT®  
CAST IRON CORE**



**PEVOPUR®  
CAST IRON CORE**



**PE•VO•LON®**



**PEVOLASTIC®**



**PEVOTHAN®**



**DRIVE WHEELS**



**GUIDE ROLLERS  
& GUIDE WHEELS**



**PALLET ROLLERS  
& PRESS-ON TIRES**

## 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.**



**VULKOLLAN®**

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%
- **Speeds 10-16 kph ( 6.21 - 10 mph ):**  
reduce loadings by 30%

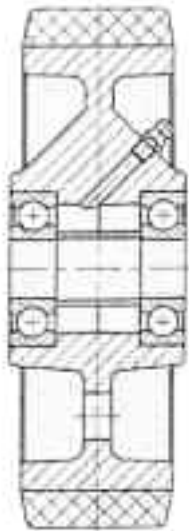
It is important to note that the above reduction in ratings are cumulative if more than one of the conditions exists.

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.

## 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 bonded VULKOLLAN® tread.



Series 178 with Precision Bearings

25.4 mm = 1 inch  
1 kg = 2.2 lbs

Ordering Number	mm	mm	mm	mm	mm	mm	kg
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	15	350
178/100/040/5/15 B*	100	40	45	42	45	15	350
178/100/040/5/25	100	40	45	45	54	25	350
178/100/050/5/20 B*	100	50	50	54	-	20	450
178/100/050/5/25	100	50	50	54	-	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	15	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	25	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	80	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	78	91	30	1800
178/250/080/5/35	250	80	78	78	91	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	2500
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
178/330/100/5/50	330	100	100	100	120	50	2800
178/400/075/5/45	400	75	85	85	131	45	2700

\* = with crowned tread

## Series 178 A – VULKOLLAN® drive wheels

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

## Series 178 A – VULKOLLAN® Drive Wheels

Ordering Number	mm	mm	mm	mm	mm	kg
178 A/100/050/25 H7	100	50	50	-	25	450
178 A/125/040/20 H7	125	40	35.5	46	20	450
178 A/125/040/25 H7	125	40	45	60	25	450
178 A/125/040/30 H7	125	40	50	60	30	450
178 A/125/050/25 H7	125	50	50	60	25	560
178 A/125/050/30 H7	125	50	50	60	30	560
178 A/125/050/35 H7	125	50	50	60	35	560
178 A/150/050/30 H7	150	50	50	61	30	660
178 A/150/050/35 H7	150	50	50	61	35	660
178 A/150/050/40 H7	150	50	50	61	40	660
178 A/160/050/25 H7	160	50	50	61	25	700
178 A/160/050/35 H7	160	50	50	61	35	700
178 A/180/055/35 H7	180	55	60	63	35	850
178 A/200/050/30 H7	200	50	60	65	30	1000
178 A/200/050/35 H7	200	50	60	65	35	1000
178 A/200/050/40 H7	200	50	60	85	40	1000
178 A/200/080/50 H7	200	80	80	85	50	1400
178 A/250/050/40 H7	250	50	50	90	40	1100
178 A/250/050/50 H7	250	50	60	90	50	1100
178 A/250/080/30 H7	250	80	80	100	30	1800
178 A/250/080/40 H7	250	80	80	100	40	1800
178 A/250/080/50 H7	250	80	80	100	50	1800
178 A/300/060/40 H7	300	60	65	82	40	1600
178 A/300/060/50 H7	300	60	65	80	50	1600
178 A/300/080/50 H7	300	80	80	107	50	2100
178 A/300/100/40 H7	300	100	100	106	40	2500
178 A/300/100/60 H7	300	100	110	105	60	2500



## Series 171 A - VULKOLLAN® drive wheels

As above, but with welded steel wheel center.

## Series 171 A – VULKOLLAN® Drive Wheels

Ordering Number	mm	mm	mm	mm	mm	mm	kg
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	85	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	350	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**)

## Standard sizes with Preloaded Precision Bearings / Ratings to 5500 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)

### TREAD:

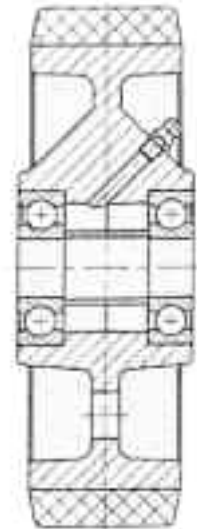
VULKOLLAN® properly bonded to the wheel core. Hardness 93 Shore A.

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

### WHEEL CORE:

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

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

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

**TREAD:**

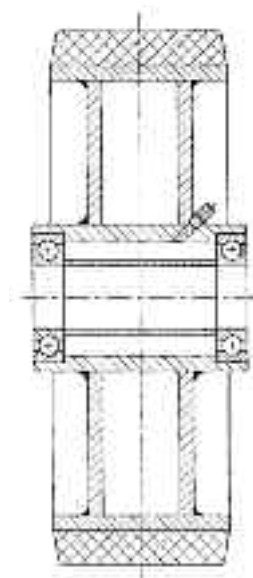
VULKOLLAN® properly bonded to the steel core. Hardness 93 Shore A. (other harnesses available)

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

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

**WHEEL CORE:**

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



**Series VUS 171  
with Precision  
Bearings**

Item #	Diameter (mm)	Tread Width (mm)	Wheel Hub / Length (mm)	Bearing ID (mm)	Load Capacity (lbs)
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

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.



Ordering Number	mm	mm	mm	mm	mm	mm	kg
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

**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 75° Shore A with aluminum rim**

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








 Ordering Number	 mm	 mm	 mm	 mm	 mm	 kg
183 ALU/PUR/100/040/5/15	100	40	45	46	15	205
183 ALU/PUR/125/050/5/20	125	50	59	55	20	320
183 ALU/PUR/150/050/5/20	150	50	59	55	20	380
183 ALU/PUR/160/050/5/20	160	50	59	55	20	410
183 ALU/PUR/180/050/5/20	180	50	59	55	20	460
183 ALU/PUR/200/050/5/20	200	50	60	55	20	510
183 ALU/PUR/200/050/5/25	200	50	60	55	25	510
183 ALU/PUR/250/060/5/20	250	60	60	60	20	770
183 ALU/PUR/250/060/5/25	250	60	60	60	25	770

**Series 181 PUR**



**PEVOPUR® wheels with aluminum rim**

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








 Ordering Number	 mm	 mm	 mm	 mm	 mm	 kg
181 PUR/080/025/5/15	80	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

\* - with cranked tread

## PEVOPUR® / CAST IRON CORE 178 PUR

with Ball Bearings



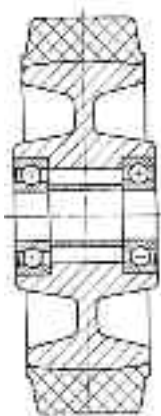
Ordering Number	 mm	 mm	 mm	 mm	 mm	 mm	 kg
178 PUR/100/035/5/12	100	35	40	40	42	12	300
178 PUR/100/035/5/15	100	35	40	38	42	15	300
178 PUR/100/040/5/15	100	40	45	42	45	15	350
178 PUR/100/050/5/25	100	50	50	48	-	25	450
178 PUR/125/040/5/15	125	40	45	45	42	15	450
178 PUR/125/050/5/20	125	50	50	54	59	20	560
178 PUR/150/050/5/20	150	50	50	54	61	20	660
178 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	65	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	25	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).

## 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
<hr/>						
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
<hr/>						
140	60	68/68	68	20	1650	178 PUR/140/060/5/20
<hr/>						
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
<hr/>						
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
<hr/>						
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
<hr/>						
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
<hr/>						
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.**

## PEVOPUR® / ALUMINUM CORE 181 PUR

with Precision Bearings



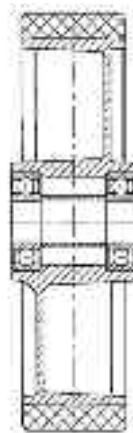
### Features

- 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.

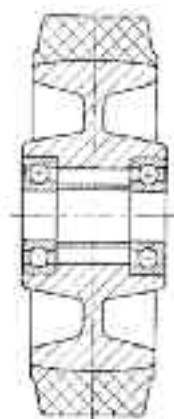
## PEVOSOFT® / CAST IRON CORE 183 PUR

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



Dia. (mm)	Width (mm)	Hub Length (in.)	Bore (mm)	Bearing ID (mm)	Capacity (lb)	Wheel Part Number
125	50	60	64	20	775	183 PUR/125/050/5/20
150	50	60	59	20	990	183 PUR/150/050/5/20
200	50	60	67	20	1430	183 PUR/200/050/5/20
250	50	60	67	25	1650	183 PUR/250/050/5/25
250	80	85	70	25	2090	183 PUR/250/080/5/25
300	80	85	80	30	2640	183 PUR/300/080/5/30

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.

## PEVOSOFT® / ALUMINUM CORE 183 ALU/PUR

with Precision Bearings

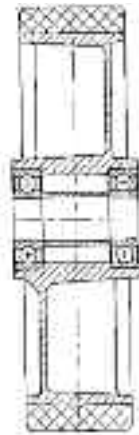


### Features

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

Dia. (mm)	Width (mm)	Hub Length (in.)	Bore (mm)	Bearing ID (mm)	Capacity (lb)	Wheel Part Number
100	40	45	46	15	450	183 ALU/PUR/100/040/5/15
125	50	59	55	20	700	183 ALU/PUR/125/050/5/20
150	50	59	55	20	800	183 ALU/PUR/150/050/5/20
160	50	59	55	20	900	183 ALU/PUR/160/050/5/20
180	80	59	55	20	1000	183 ALU/PUR/180/040/5/20
200	80	60	55	20	1100	183 ALU/PUR/200/050/5/20
200	80	60	55	25	1100	183 ALU/PUR/200/050/5/25
250	60	60	60	20	1700	183 ALU/PUR/250/060/5/20
250	60	60	60	25	1700	183 ALU/PUR/250/060/5/25

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.



PE•VO•LON® wheels with plain bearing

High quality thermoplastic polyamide. Heavy duty design with maintenance-free plain bearing (1/1).

1 kg = 2.2 lbs  
1 inch = 25.4 mm

Article Code	mm	mm	mm	mm	mm	kg
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	70	30	40	25	10	200
A 075/023/1/15	75	23	25	30	15	200
A 080/035/1/15	80	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	125	50	60	56	15	700
A 125/050/1/20	125	50	60	56	20	700
A 150/040/1/20	150	40	53	65	20	700
A 150/050/1/20	150	50	60	62	20	800
A 160/050/1/20	160	50	60	63	20	650
A 175/040/1/20	175	40	57	65	20	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.**



### PE-VO-LON® wheels with ball bearings

High-quality thermoplastic polyamide. Heavy duty design with ball bearings (1/3).









1 kg = 2.2 lbs  
1 inch = 25.4 mm

							
Article-Code	mm	mm	mm	mm	mm	mm	kg
A 080/035/5/12	80	35	35	33	50	12	300
A 100/040/5/12	100	40	50	42	48	12	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	60	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	85	20	1200
A 200/065/5/25	200	65	74	72	80	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 cast polyamide with ball bearings (1/3).

							
Article-Code	mm	mm	mm	mm	mm	mm	kg
PAG 080/040/5/20	80	40	45	45	65	20	1000
PAG 100/040/5/20	100	40	45	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	80	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	80	12000

\*Precision Bearings can be stainless steel.

**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



Artikeldate	mm	mm	mm	mm	mm	kg
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°C.



Special Nylamide

Artikeldate	mm	mm	mm	mm	mm	kg
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.

**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**



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.

1 kg = 2.2 lbs  
1 inch = 25.4 mm



Series BPU

Light-duty PEVOLASTIC® wheels

PE-VOL-LON® rim with a mechanically bonded tread made of high-quality thermoplastic polyurethane.

Article Code	mm	mm	mm	mm	mm	kg
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	175	45	60	36	20	400
BPU 200/047/.../20	200	47	60	36	20	550
BPU 250/060/1/25	250	60	75	49	25	800

Heavy-duty PEVOLASTIC® wheels

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



Series APU

Article Code	mm	mm	mm	mm	mm	kg
APU 050/020/1/10	50	20	30		18	60
APU 080/027/1/10	80	27	35		18	75
APU 100/038/1/12	100	38	40		45	150
APU 125/040/1/15	125	40	50		45	225
APU 160/042/1/15	160	42	50		45	400
APU 200/050/1/20	200	50	55		68	800
APU 250/055/1/25	250	55	60		70	1000
APU 300/060/1/25	300	60	65		70	1100
APU 100/038/5/15	100	38	40	38	45	150
APU 125/040/5/15	125	40	50	48	45	225
APU 160/042/5/15	160	42	50	48	45	400
APU 200/050/5/20	200	50	52	57	68	800
APU 250/055/5/20	250	55	60	64	70	1000
APU 250/055/5/25	250	55	60	64	70	1000
APU 300/060/5/20	300	60	65	69	70	1100
APU 300/060/5/25	300	60	65	69	70	1100

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.

1 kg = 2.2 lbs  
1 inch = 25.4 mm

PEVOTHAN® wheels

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



Series 87 PU/1



Series 87 PU/5

Art.Nr.-Code	mm	mm	mm	mm	mm	mm	kg
87 PU/080/035/1/12	80	35	40		20	12	150
87 PU/100/040/1/15	100	40	50		25	15	200
87 PU/125/045/1/15	125	45	50		25	15	250
87 PU/150/045/1/20	150	45	50		35	20	380
87 PU/160/050/1/20	160	50	60		35	20	430
87 PU/200/050/1/20	200	50	60		35	20	500
87 PU/080/035/5/08	80	35	35	41	40	8	150
87 PU/080/035/5/12	80	35	35	31	40	12	150
87 PU/100/040/5/10	100	40	45	51	45	10	200
87 PU/100/040/5/15	100	40	45	41	45	15	200
87 PU/125/045/5/12	125	45	45	51	45	12	250
87 PU/125/045/5/15	125	45	45	41	45	15	250
87 PU/150/045/5/12	150	45	45	51	65	12	380
87 PU/150/045/5/20	150	45	45	41	65	20	380
87 PU/160/050/5/12	160	50	55	61	65	12	430
87 PU/160/050/5/20	160	50	55	51	65	20	430
87 PU/200/050/5/12	200	50	55	61	60	12	500
87 PU/200/050/5/20	200	50	55	51	60	20	500







**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**

### PEVOTHAN®

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

Artikelcode	 mm	 mm	 mm	 mm	 mm	 kg
with plain bore						
<b>89 PU 080/34/12/1</b>	80	34	40	22	12	100
<b>89 PU 100/34/12/1</b>	100	34	40	22	12	140
<b>89 PU 125/37/15/1</b>	125	37	47	26	15	180
<b>89 PU 150/45/20/1</b>	150	45	50	35	20	225
<b>89 PU 160/50/20/1</b>	160	50	60	35	20	250
<b>89 PU 200/50/20/1</b>	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.

Artikelcode	 mm	 mm	 mm	 mm	 mm	 kg
with roller bearing						
<b>89 PU 080/34/10/3</b>	80	34	40	26	10	100
<b>89 PU 100/34/10/3</b>	100	34	40	26	10	140
<b>89 PU 125/37/15/3</b>	125	37	47	32	15	180
<b>89 PU 150/45/15/3</b>	150	45	50	35	15	225
<b>89 PU 160/50/15/3</b>	160	50	60	35	15	250
<b>89 PU 200/50/20/3</b>	200	50	60	42	20	400
with stainless steel roller bearing						
<b>89 PU 080/34/10/3R</b>	80	34	40	26	10	100
<b>89 PU 100/34/10/3R</b>	100	34	40	26	10	140
<b>89 PU 125/37/15/3R</b>	125	37	47	32	15	180
<b>89 PU 150/45/15/3R</b>	150	45	50	35	15	225
<b>89 PU 160/50/15/3R</b>	160	50	60	35	15	250
<b>89 PU 200/50/20/3R</b>	200	50	60	42	20	400

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



**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)

**TREAD:**

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

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

**WHEEL CORE:**

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

**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



## 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** for 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

**VULKOLLAN® heavy duty wheels with bolt hole fitting**

**Series 171 / L**

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

Artikel Code	mm	mm	mm	mm	mm	mm	mm	kg
	mm	mm	Lochgröße / Anschlusssitz	mm/Loch ø	Lochkreis ø	mm	mm	
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	160	205	350	326	4300
171/500/100/450/0/160/6L	500	100	6/21,5	160	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



## VULKOLLAN® guiding rollers

## Series 173

Roller body made of steel with force-fitted roller bearing (2S).  
Direct bonded VULKOLLAN® tread.



Article Code

173/040/015/5/010  
173/040/020/5/010  
173/040/025/5/010  
173/050/015/5/010  
173/050/020/5/012  
173/055/020/5/012  
173/055/020/5/015  
173/060/020/5/017  
173/060/020/5/020  
173/070/020/5/017  
173/070/020/5/020  
173/070/025/5/020  
173/070/025/5/025  
173/080/025/5/020  
173/080/025/5/025  
173/090/025/5/025  
173/100/025/5/025  
173/120/025/5/020  
173/120/025/5/025  
173/120/030/5/030  
173/125/030/5/020  
173/125/030/5/025



mm



mm



mm

type of bearing



mm



mm

mm	mm	mm	type of bearing	mm		mm
40	15	8	6000-2Z	10	S	55
40	20	8	6000-2Z	10	S	70
40	25	8	6000-2Z	10	S	90
50	15	9	6200-2RS	10	S	70
50	20	10	6201-2RS	12	V	90
55	20	10	6201-2RS	12	S	100
55	20	11	6202-2RS	15	S	100
60	20	12	6203-2RS	17	S	110
60	20	12	6004-2RS	20	S	110
70	20	12	6203-2RS	17	S	125
70	20	12	6004-2RS	20	S	125
70	25	14	6204-2RS	20	S	160
70	25	15	6205-2RS	25	S	160
80	25	15	6304-2RS	20	S	180
80	25	15	6205-2RS	25	S	180
90	25	15	6205-2RS	25	S	200
100	25	15	6205-2RS	25	S	225
120	25	15	6304-2RS	20	S	270
120	25	15	6205-2RS	25	S	270
120	30	13	6006-2RS	30	S	320
125	30	30	6004-2RS (2x)	20	-	335
125	30	35	6005-2RS (2x)	25	-	335

S = circlip  
V = coulced



## 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).

Artikel Code	Ø mm	Ø mm	Ø mm	type of bearing	Ø mm	kg
130 PA/030/011/5/08	30	11,0	7,0	608 2Z	8	60
130 PA/040/014,5/5/10	40	14,5	8,0	6000-2Z	10	100
130 PA/040/016/5/15 *	40	16,0	9,0	6002-2RS	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	8,0	6000-2Z	10	110
130 PA/042/014,5/5/12	42	14,5	10,0	6201-2RS	12	110
130 PA/044/016/5/12	44	16,0	8,0	6001-2Z	12	130
130 PA/050/012/5/08 *	50	12,0	7,0	608-2Z	8	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	12	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	6002-2RS	15	270
130 PA/060/030/5/15	60	30,0	13,0	6302-2RS	15	350
130 PA/062/020/5/12	62	20,0	19,2	6001-2RS (2x)	12	240
130 PA/070/035/5/20 B**	70	35,0	41,0	6204-2ZV (2x)	20	490
130 PA/080/020/5/12	80	20,0	10,0	6201-2RS	12	310
130 PA/080/020/5/15	80	20,0	11,0	6202-2RS	15	310
130 PA/080/020/5/17	80	20,0	12,0	6203-2RS	17	310
130 PA/080/025/5/25	80	25,0	12,0	6005-2RS	25	400
As above, but roller body with reinforcing ribs						
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
As above, but with wide tread						
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 tread

## Series 131 PA



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

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

Artikel Code	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	type of bearing	Ø mm	kg
131 PA/035/10/050/18/5/12	50	35	18	10	8	6001-2RS	12	70
131 PA/050/26,5/090/35/5/12*	90	50	35	26,5	10	6201-2RS	12	270
131 PA/062/19/080/26,5/5/17	80	62	26,5	19	12	6203-2RS	17	240
131 PA/062/19/080/26,5/5/15	80	62	26,5	19	11	6202-2RS	15	240
131 PA/062/19/080/26,5/5/17	80	62	26,5	19	10	6003-2RS	17	240
131 PA/060/20/065/25/5/15*	65	60	25	20	9	6002-2Z	15	240

\* with optimized tread

## Series 132 PA



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

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

Artikel Code	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	type of bearing	Ø mm	kg
132 PA/065/055/018/5/17	65	55	18	83,75	12	6203-2RS	17	75
132 PA/085/075/020/5/10	85	75	20	88	9	6200-2RS	10	200
132 PA/085/075/020/5/12	85	75	20	88	10	6201-2RS	12	200
132 PA/085/075/020/5/20	85	75	20	88	14	6204-2RS	20	200

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

Artikl-Code	mm	mm	mm	type of bearing/	mm	kg
130 PU/030/011/5/08	30	11	7	608-2Z	8	30
130 PU/040/014,5/5/10**	40	14,5	8	6000-2Z	10	50
130 PU/040/016/5/15*	40	16	9	6002-2RS	15	55
130 PU/040/020/5/10	40	20	9	6200-2RS	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	6201-2RS	12	55
130 PU/050/015/5/10	50	15	9	6200-2RS	10	70
130 PU/050/015/5/12	50	15	8	6001-2RS	12	70
130 PU/055/025/5/15	55	25	9	6002-2RS	15	110
130 PU/060/018/5/12	60	18	10	6201-2RS	12	90
130 PU/062/020/5/17	62	20	14	6303-2RS	17	110
130 PU/070/025/5/20**	70	25	14	6204-2Z	20	150
130 PU/080/020/5/12	80	20	10	6201-2RS	12	140
130 PU/080/020/5/15	80	20	11	6202-2RS	15	140
130 PU/080/020/5/17	80	20	12	6203-2RS	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 roller body with reinforcing ribs						
130 PU/065/018,5/5/10	65	18,5	9	6200-2RS	10	100
130 PU/065/018,5/5/12	65	18	10	6201-2RS	12	100
As above, but with wide tread						
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	6000-2Z	10	90
130 PU/042/028/5/12	42	28	10	6201-2RS	12	90
130 PU/042/038/5/12	42	38	10	6201-2RS	12	130

\* - wheels/stock/row  
\*\* - wheels/bottom/row



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

### PEVOTHAN® single flanged rollers with prec. bearing

## Series 131 PU

Artikl-Code	mm	mm	mm	mm	mm	type of bearing/	mm	kg
131 PU/050/26,5/090/35/5/12	90	50	35	26,5	10	6201-2RS	12	120
131 PU/062/19/080/26,5/5/15	80	62	26,5	19	11	6202-2RS	15	100
131 PU/062/19/080/26,5/5/17	80	62	26,5	19	12	6203-2RS	17	100
131 PU/062/19/080/26,5/5/17	80	62	26,5	19	10	6003-2RS	17	100



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).

### PEVOLASTIC® conveyor rollers with prec. bearings

## Series 133 PU

Artikl-Code	mm	mm	mm	type of bearing/	mm	kg
133 PU/050/020/5/10	50	20	9	6200-2RS	10	90
133 PU/080/027/5/20	80	27	14	6204-2RS	20	190



## Serie 174

VULKOLLAN® pallet rollers with ball bearings

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



Article Code



mm



mm



mm



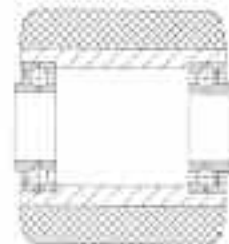
mm



kg

174/80/054/060/20	80	54	60	20	400
174/80/057/059/20	80	57	59	20	400
174/80/057/061/20	80	57	61	20	400
174/80/057/061/25	80	57	61	25	400
174/80/070/074/20	80	70	74	20	450
174/80/100/104/20	80	100	104	20	650
174/82/050/052/20	82	50	52	20	400
174/82/053/055/17	82	53	55	17	400
174/82/065/063/20	82	65	63	20	450
174/82/065/067/20	82	65	67	20	450
174/82/069/062/20	82	69	62	20	500
174/82/070/066/20	82	70	66	20	500
174/82/070/072/20	82	70	72	20	500
174/82/070/074/20	82	70	74	20	500
174/82/072/078/20	82	72	78	20	500
174/82/072/078/20 *	82	72	78	20	500
174/82/082/086/20	82	82	86	20	600
174/82/089/082/20	82	89	82	20	650
174/82/098/105/20	82	98	105	20	700
174/82/098/105/20 *	82	98	105	20	700
174/82/100/095/20	82	100	95	20	700
174/82/100/104/20	82	100	104	20	700
174/85/043/043/20	85	43	43	20	300
174/85/046/048/25	85	46	48	25	350
174/85/046/050/20	85	46	50	20	350
174/85/050/055/25	85	50	55	25	400
174/85/059,5/061,5/17	85	59,5	61,5	17	450
174/85/061/065/20	85	61	65	20	450
174/85/070/063/17	85	70	63	17	500
174/85/075/077/20	85	75	77	20	550
174/85/078/078/20	85	78	78	20	600
174/85/078/080/20	85	78	80	20	600
174/85/080/082/17	85	80	82	17	600
174/85/080/082/25	85	80	82	25	600
174/85/080/084/20	85	80	84	20	600
174/85/080/085/20	85	80	85	20	600
174/85/080/085/25	85	80	85	25	600
174/85/086,5/088,5/17	85	86,5	88,5	17	650
174/85/090/092/25	85	90	92	25	700
174/85/095/100/20	85	95	100	20	750
174/85/100/100/25	85	100	100	25	800
174/85/100/102/17	85	100	102	17	800
174/85/100/102/25	85	100	102	25	800
174/85/100/104/25	85	100	104	25	800
174/85/105/110/25	85	105	110	25	800
174/85/120/124/20	85	120	124	20	900

with oblique seating





## Serie 174 PUR

PEVOPUR® pallet rollers with ball bearings

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

## PEVOPUR®



As File Code



mm



mm



mm



mm



kg

174 PUR/80/054/060/20	80	54	60	20	400
174 PUR/80/057/061/20	80	57	61	20	400
174 PUR/80/057/061/25	80	57	61	25	400
174 PUR/80/061/065/20	80	61	65	20	400
174 PUR/80/070/072/20	80	70	72	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/82/068/074/20	82	68	74	20	500
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	72	20	500
174 PUR/82/070/074/20	82	70	74	20	500
174 PUR/82/072/078/20	82	72	78	20	550
174 PUR/82/078/082/20	82	78	82	20	600
174 PUR/82/089/082/20	82	89	82	20	650
174 PUR/82/090/085/20	82	90	85	20	650
174 PUR/82/091/096/20	82	91	96	20	650
174 PUR/82/096/098/20	82	96	98	20	700
174 PUR/82/098/102/20	82	98	102	20	700
174 PUR/82/098/105/20	82	98	105	20	700
174 PUR/82/100/096/20	82	100	96	20	700
174 PUR/82/100/104/20	82	100	104	20	700
174 PUR/85/046/050/20	85	46	50	20	350
174 PUR/85/060/065/20	85	60	65	20	450
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	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/85/110/114/25	85	110	114	25	850



## PEVOPUR®

## PEVOPUR® pallet rollers with sealed ball bearings

## Serie 174 PUR VKS

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



Article Code



mm



mm



mm



mm



kg

Article Code	mm	mm	mm	mm	kg
174 PUR VKS/80/070/074,7/20	80	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	65	70	20	450
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 VKS/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 VKS/85/075/080/25	85	75	80	25	550
174 PUR VKS/85/080/085/12	85	80	85	12	600
174 PUR VKS/85/080/085/20	85	80	85	20	600
174 PUR VKS/85/080/085/25	85	80	85	25	600
174 PUR VKS/85/085/090/12	85	85	90	12	650
174 PUR VKS/85/085,5/092/20	85	86,5	92	20	650
174 PUR VKS/85/090/090/20	85	90	90	20	700
174 PUR VKS/85/095/100/20	85	95	100	20	750
174 PUR KS/85/099/104/20	85	99	104	20	800
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 VKS/85/105/110/25	85	105	110	25	800
174 PUR VKS/85/110/115/25	85	110	115	25	850



**Serie 179 Z**

**VULKOLLAN® press-on tyres**

Cylindrical VULKOLLAN® press-on tyres with machined steel band. Also available with TRACTOTHAN® tread. Order code: 179 ZT...



Artikel-Code

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  
 179 Z/150/130/100  
 179 Z/160/050/100  
 179 Z/160/075/100  
 179 Z/180/050/120  
 179 Z/180/075/120  
 179 Z/180/100/105  
 179 Z/200/050/140  
 179 Z/200/060/150  
 179 Z/200/070/140  
 179 Z/200/075/100  
 179 Z/200/080/120  
 179 Z/200/085/105  
 179 Z/200/105/120  
 179 Z/230/050/170  
 179 Z/230/075/170  
 179 Z/230/085/170  
 179 Z/250/050/190  
 179 Z/250/060/190  
 179 Z/250/075/140  
 179 Z/250/080/170  
 179 Z/250/100/170  
 179 Z/250/105/170  
 179 Z/250/105/190  
 179 Z/250/130/140  
 179 Z/254/076/203  
 179 Z/254/102/159  
 179 Z/254/102/165  
 179 Z/254/127/165  
 179 Z/260/085/170  
 179 Z/260/105/170  
 179 Z/267/089/203  
 179 Z/285/075/220  
 179 Z/285/100/200  
 179 Z/285/100/220  
 179 Z/285/100/228  
 179 Z/290/105/185  
 179 Z/300/050/240  
 179 Z/300/075/240



Ø mm



W mm



d mm

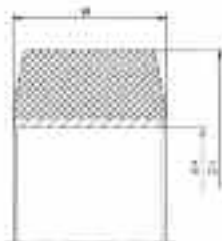
Ø

ZOLL

W Abmessung in Zoll



See 5 in/6 lb



280  
 600  
 420  
 540  
 520  
 640  
 820  
 960  
 1,260  
 1,640  
 680  
 1,020  
 760  
 1,140  
 1,520  
 840  
 1,020  
 1,180  
 1,260  
 1,360  
 1,440  
 1,780  
 980  
 1,460  
 1,660  
 1,060  
 1,260  
 1,580  
 1,680  
 2,100  
 2,220  
 2,220  
 2,740  
 1,640  
 2,180  
 2,180  
 2,720  
 1,860  
 2,300  
 2,000  
 1,800  
 2,400  
 2,400  
 2,400  
 2,560  
 1,260  
 1,800

10 x 3 x 8  
 10 x 4 x 6 1/4  
 10 x 4 x 6 1/2  
 10 x 5 x 6 1/2  
 10 1/2 x 3 1/2 x 8

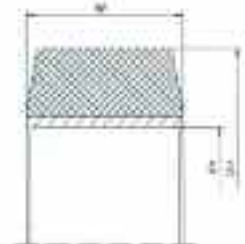


VULKOLLAN®-press-on tyres

Serie 179 Z

Cylindrical VULKOLLAN® press-on tyres with machined steel band. Also available with TRACTOTHAN® tread. Order code: 179 ZT...

Artikel Code	D mm	W mm	d mm	D Abmessungen in Zoll	W mm	d mm	Netto Gewicht kg
179 Z/300/090/203	300	90	203				2.160
179 Z/300/100/203	300	100	203				2.400
179 Z/310/060/220	310	60	220				1.480
179 Z/310/120/203	310	120	203				2.980
179 Z/310/120/220	310	120	220				2.980
179 Z/330/089/203	330	89	203	13	x 3 1/2	x 8	2.100
179 Z/330/089/254	330	89	254	13	x 3 1/2	x 10	2.350
179 Z/330/127/254	330	127	254	13	x 5	x 10	3.350
179 Z/330/145/193,5	330	145	193,5				3.820
179 Z/343/114/225	343	114	225				3.120
179 Z/343/140/203	343	140	203				3.840
179 Z/345/115/245	345	115	245				3.340
179 Z/350/090/280	350	90	280				2.600
179 Z/350/100/280	350	100	280				2.900
179 Z/350/110/270	350	110	270				3.080
179 Z/350/140/270	350	140	270				3.920
179 Z/360/085/270	360	85	270				2.450
179 Z/381/127/286	381	127	286	15	x 5	x 11 1/4	3.000
179 Z/381/152/286	381	152	286	15	x 6	x 11 1/4	3.500
179 Z/405/065/305	405	65	305				2.100
179 Z/405/130/290	405	130	290				3.800
179 Z/405/130/305	405	130	305				4.000
179 Z/405/145/290	405	145	290				4.100
179 Z/406/178/305	406	178	305				5.400
179 Z/415/075/305	415	75	305				2.500
179 Z/415/090/305	415	90	305				3.000
179 Z/445/178/381	445	178	381	17 1/2	x 7	x 15	6.000
179 Z/457/127/308	457	127	308	18	x 5	x 12 1/4	4.650
179 Z/457/152/308	457	152	308	18	x 6	x 12 1/4	4.950
179 Z/457/178/308	457	178	308	18	x 7	x 12 1/4	5.400
179 Z/457/203/308	457	203	308	18	x 8	x 12 1/4	5.800
179 Z/500/085/370	500	85	370				3.000
179 Z/559/152/406	559	152	406	22	x 6	x 16	5.950
179 Z/559/203/406	559	203	406	22	x 8	x 16	8.000
179 Z/559/229/406	559	229	406	22	x 9	x 16	8.950
179 Z/610/150/410	610	150	410				6.400
179 Z/645/250/500	645	250	500				11.300
179 Z/660/127/508	660	127	508	26	x 5	x 20	6.550
179 Z/711/178/559	711	178	559	28	x 7	x 22	8.850
179 Z/711/203/559	711	203	559	28	x 8	x 22	10.100
179 Z/711/254/559	711	254	559	28	x 10	x 22	12.650
179 Z/711/305/559	711	305	559	28	x 12	x 22	15.200
179 Z/750/150/640	750	150	640				7.880
179 Z/900/200/670	900	200	670				12.600
179 Z/914/254/762	914	254	762	36	x 10	x 30	16.250
179 Z/920/180/770	920	180	770				11.600
179 Z/920/290/770	920	290	770				18.500









## Serie 179 K

## VULKOLLAN® press-on tyres

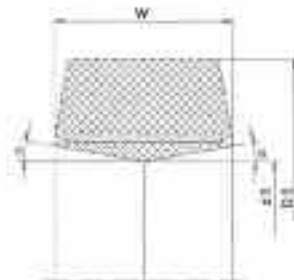
VULKOLLAN® press-on tyres with steel band. With conical base tyre, centre split (km) or laterally split (ks). Also available with TRACTOTHAN® tread. Order code: 179 KT...



					
Artikel-Code	mm	mm	mm		kg
179 K/125/050/075	125	50	75	km 15	540
179 K/150/050/100	150	50	100	km 15	640
179 K/160/050/100	160	50	100	km 15	680
179 K/180/050/120	180	50	120	km 15	760
179 K/180/100/105	180	100	105	km 8	1.520
179 K/200/050/140	200	50	140	km 15	840
179 K/200/085/105	200	85	105	km 15	1.440
179 K/200/085/105 P	200	85	105	km 15	1.440
179 K/250/060/170	250	60	170	km 15	1.260
179 K/260/060/170	260	60	170	km 15	1.320
179 K/285/100/200	285	100	200	km 8	2.400
179 K/300/075/220	300	75	220	km 15	1.800
179 K/300/096/231	300	96	231	ks 23/9	2.300
179 K/310/075/200	310	75	200	km 15	1.860
179 K/310/120/200	310	120	200	ks 15/6	2.980
179 K/343/114/225	343	114	225	km 8	3.120
179 K/343/140/225	343	140	225	ks 15/6	3.840
179 K/406/127/267	406	127	267	ks 15/6	3.850
179 K/406/152/267	406	152	267	ks 15/6	4.600
179 K/406/178/267	406	178	267	ks 15/6	5.400
179 K/500/085/370	500	85	370	km 8	3.000



**ks = konischer Reifenfuß**  
seitengeteilt (asymmetrisch)  
ks 15/6 =  $\alpha 15^\circ, \beta 6^\circ$   
ks 23/9 =  $\alpha 23^\circ, \beta 9^\circ$



**km = konischer Reifenfuß**  
mittigeteilt (symmetrisch)  
km 15 =  $\alpha 15^\circ$   
km 8 =  $\alpha 8^\circ$

## PEVOPUR®

PEVOPUR® press-on tyres

Serie 179 Z PUR

Cylindrical PEVOPUR® press-on tyres with machined steel band.



ArtikelCode



D  
mm



W  
mm



d  
mm

ZOLL  
Abmessungen in Zoll



Netto-Gewicht  
kg

ArtikelCode	D mm	W mm	d mm	ZOLL Abmessungen in Zoll			Netto-Gewicht kg
179 Z PUR/150/050/100	150	50	100				640
179 Z PUR/150/075/100	150	75	100				960
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				1.660
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	x 3	x B	1.640
179 Z PUR/254/102/159	254	102	159	10	x 4	x 6 1/4	2.180
179 Z PUR/254/102/165	254	102	165	10	x 4	x 6 1/2	2.180
179 Z PUR/254/120/190	254	120	190				2.560
179 Z PUR/254/127/165	254	127	165	10	x 5	x 6 1/2	2.720
179 Z PUR/260/085/170	260	85	170				1.860
179 Z PUR/265/085/190,2 B	265	85	190				1.900
179 Z PUR/267/089/203	267	89	203	10 1/2	x 3 1/2	x B	2.000
179 Z PUR/285/100/200	285	100	200				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	x 3	x 10	1.850
179 Z PUR/305/127/203	305	127	203	12	x 5	x 8	3.100
179 Z PUR/318/076/254	318	76	254	12 1/2	x 3	x 10	1.920
179 Z PUR/318/089/254	318	89	254	12 1/2	x 3 1/2	x 10	2.260
179 Z PUR/330/089/254	330	89	254	13	x 3 1/2	x 10	2.350
179 Z PUR/330/140/241,3	330	140	241	13	x 5 1/2	x 9 1/2	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	100	280				2.800
179 Z PUR/360/120/220	360	120	220				3.440
179 Z PUR/381/127/286	381	127	286	15	x 5	x 11 1/4	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	x 8	x 12 1/4	5.800
179 Z PUR/500/085/370	500	85	370				3.000
179 Z PUR/550/160/410	550	160	410				6.100
179 Z PUR/559/203/406	559	203	406	22	x 8	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 8	x 22	10.100
179 Z PUR/711/254/559	711	254	559	28	x 10	x 22	12.650

