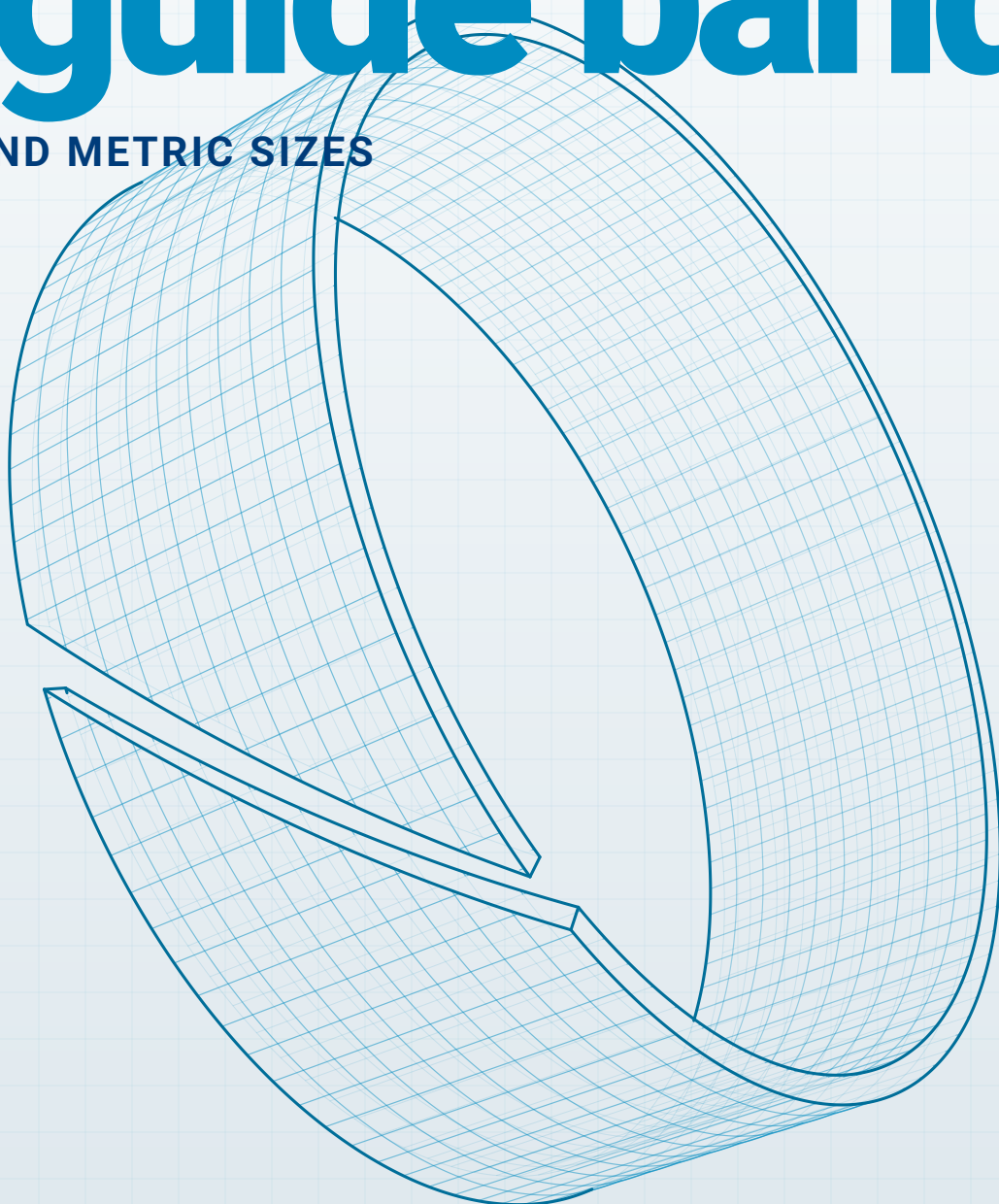


HEAVY DUTY

Composite guide bands

INCH AND METRIC SIZES



HEAVY DUTY GUIDE BANDS

TA100 • TA200 • TA300 • TA400

TRIBOTECH GUIDE BANDS

Tribotech guide bands, also called wear rings, are machined from a fabric-reinforced thermoset composite: a high-strength synthetic fabric in a polyester resin, with added solid lubricants. They are designed for hydraulic cylinders, where they guide the rod and piston and keep the cylinder components running smoothly. The thermoset composite handles high side loads, exceeding the load capability of popular thermoplastic wear ring materials.

- **Dimensional stability** in water-based fluids
- **High-strength synthetic fabric** designed for maximum load-bearing capability
- **Added lubricants** to minimize friction

WHY TRIBOTECH COMPOSITES

- Engineered specifically for hydraulic wear and guidance applications
- High load-bearing capability with low friction
- Excellent dimensional stability and wear resistance
- Precision-machined to tight tolerances
- Custom sizes and configurations available
- Manufactured in the USA

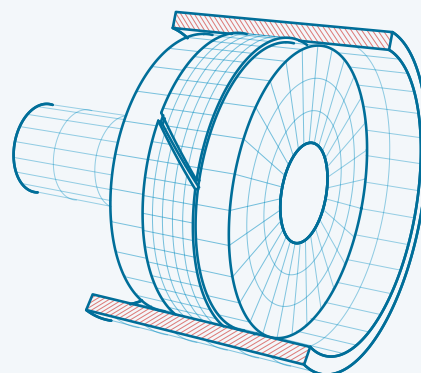
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tribology

[tri-BOL-o-gy]

noun: the study of the effects of friction on moving machine parts, and methods of preventing them.



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STANDARD SIZE LIST

The sizes listed in this catalog represent Tribotech's standard range of composite guide bands, available for fast delivery. For applications requiring a size not listed, contact us with your required inside diameter, outside diameter, cross-section, height and material grade. Tribotech machines guide bands to customer specification in any of our composite grades.

TYPICAL APPLICATIONS

- Hydraulic cylinders: rod and piston guidance
- Heavy industrial cylinders: rolling mills, presses, injection molding
- Mobile hydraulics: construction, agricultural, mining and off-road equipment
- Marine and offshore hydraulic systems
- Long-stroke and longwall roof support cylinders
- Pneumatic cylinders requiring low friction and long service life



BENEFITS OF COMPOSITE GUIDE BANDS

- **Self-lubricating:** solid lubricants embedded in the resin eliminate the need for grease.
- **No metallic scoring:** will not damage cylinder bores, rods or pistons under high side load.
- **High load capacity:** compressive strength of 45,000 psi (310 N/mm²) normal to laminate for TA100–TA300, and up to 52,000 psi (358 N/mm²) for TA400, exceeding the load capability of common thermoplastic wear rings.
- **Dimensional stability:** negligible water swell (<0.15% of wall thickness) maintains tight fit and clearance through long service.
- **Corrosion resistance:** unaffected by water, salt spray and most hydraulic fluids.
- **Reduced seal extrusion:** tight running clearance protects rod and piston seals from extrusion damage at high pressure.
- **Wide temperature range:** -40 to +250 °F (-40 to +120 °C) as standard; up to 349 °F (176 °C) with TA400.
- **Machinability:** CNC machined to precision tolerances; custom widths produced without setup charges.

Values are typical and measured in laboratory conditions, primarily to DIN test standards; hardness is measured on the Rockwell M scale. Strength values are loads at failure. Performance in service may vary. For more about our test methods, please contact us.

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AVAILABLE MATERIAL GRADES

Tribotech guide bands are produced in four standard composite grades. Each material is optimized for a different operating environment. The dimensional tables in this catalog list standard sizes in TA100; all four grades are available across the full size range by request.

TA100

PTFE Composite · General-purpose high-performance grade

A polyester resin composite with PTFE lubrication. TA100 is the standard general-purpose grade for a wide range of loads and speeds. Its low coefficient of friction and excellent wear resistance make it the first choice for most hydraulic cylinder bearings, guide bands, and pivot bushings. TA100 performs equally well running dry, greased, or fully immersed, so it is well suited to marine, hydropower, and water treatment equipment.

Compressive strength, normal to laminate	45,000 psi (310 N/mm ²)
Hardness, Rockwell M	90
Temperature range	-40 to +250 °F (-40 to +120 °C)
Coefficient of friction	0.10–0.20
Swell in water	<0.15% of wall thickness
Density	1.25 g/cm ³

TA200

Graphite Composite · Economical dry-running grade

A polyester resin composite with graphite lubrication, giving reliable self-lubricating performance in dry and atmospheric conditions. It offers high compressive strength and good wear resistance at a lower cost than PTFE-filled grades. TA200 is well suited to industrial hydraulics, material handling, and general machinery where the bearing runs dry, greased, or in occasional splash conditions.

Compressive strength, normal to laminate	45,000 psi (310 N/mm ²)
Hardness, Rockwell M	100
Temperature range	-40 to +250 °F (-40 to +120 °C)
Coefficient of friction	0.10–0.20
Swell in water	<0.15% of wall thickness
Density	1.25 g/cm ³

TA300

MoS₂ Composite · Heavy-duty grade for high loads and slow, oscillating motion

A polyester resin composite with molybdenum disulfide (MoS₂) lubrication. The MoS₂ filler forms a durable low-shear film that protects the shaft and bearing under very high contact pressures. This makes TA300 ideal for hydraulic cylinder eyes, linkage pins, gates, and pivots on heavy equipment.

Compressive strength, normal to laminate	45,000 psi (310 N/mm ²)
Hardness, Rockwell M	90
Temperature range	-40 to +250 °F (-40 to +120 °C)
Coefficient of friction	0.10–0.20
Swell in water	<0.15% of wall thickness
Density	1.30 g/cm ³

TA400

Vinyl Ester Composite · High-temperature, chemically resistant grade

A high-performance vinyl ester resin composite designed for compressive strength and operating temperatures beyond the capabilities of standard polyester-based grades. The resin offers excellent resistance to water, hydrolysis, and a broad range of chemicals. TA400 is well suited to hot hydraulic systems, water and wastewater treatment, hydropower, and process equipment exposed to chemicals or elevated temperatures.

Compressive strength, normal to laminate	47,900–52,000 psi (330–358 N/mm ²)
Hardness, Rockwell M	107
Max. operating temperature	349 °F (176 °C)
Coefficient of friction	0.10–0.20
Swell in water	<0.1% of wall thickness
Density	1.25 g/cm ³

Values are typical and measured in laboratory conditions, primarily to DIN test standards; hardness is measured on the Rockwell M scale. Strength values are loads at failure. Performance in service may vary. For more about our test methods, please contact us. Full properties for each grade are on the TA-grade datasheets.

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SIDE-LOAD CAPACITY CALCULATION

Guide bands eliminate metal-to-metal contact between the moving and stationary components of a hydraulic cylinder. They protect the rod and bore from scoring while allowing the seals to operate within their designed extrusion gap. The low modulus of the composite, approx. 420,000 psi (2,900 N/mm²), allows the band to conform to the counterface, distributing side load over a large effective bearing area and keeping peak contact pressure low.

The required guide band width is calculated from the projected bearing area (running diameter × band width) and the permissible radial pressure P_r of the selected composite grade. P_r is established from the compressive strength of the material and Tribotech's field experience, and already accounts for the non-uniform pressure distribution across the contact arc.

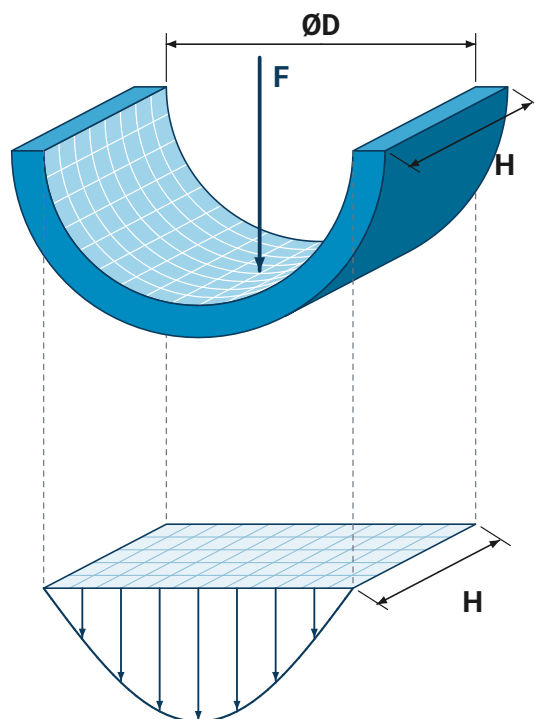
Minimum guide band width

$$H_{\min} = (F \times f) \div (\text{ØD} \times P_r)$$

Allowable radial load for a given width

$$F = (\text{ØD} \times H \times P_r) \div f$$

Symbol	Definition	Units
F	Maximum radial side load	lbf (N)
ØD	Running diameter: cylinder bore for piston bands, rod diameter for rod bands	in (mm)
H	Guide band height (total width of all bands at the guided location)	in (mm)
P_r	Permissible radial pressure of the composite grade at operating temperature (table below)	psi (N/mm ²)
f	Safety factor (next page)	–



PERMISSIBLE RADIAL PRESSURE

P_r by grade and continuous operating temperature, psi (N/mm²).

Grade	≤ 104 °F (40 °C)	176 °F (80 °C)	250 °F (120 °C)	349 °F (176 °C)	Ultimate compressive strength
TA100, TA200, TA300	14,500 (100)	10,900 (75)	7,250 (50)	–	45,000 psi (310 N/mm ²)
TA400	14,500 (100)	12,300 (85)	10,200 (70)	5,800 (40)	47,900–52,000 psi (330–358 N/mm ²)

Values apply to continuous service at the stated temperature. Interpolate between columns. For continuous temperatures above 250 °F (120 °C), specify TA400.

Values are typical and measured in laboratory conditions, primarily to DIN test standards; hardness is measured on the Rockwell M scale. Strength values are loads at failure. Performance in service may vary. For more about our test methods, please contact us.

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SAFETY FACTOR

- **f = 2:** standard reciprocating duty. Radial forces in service can vary widely and cannot always be predicted; f = 2 is the minimum recommended value.
- **f = 3:** short-stroke oscillating duty, shock-prone applications or where side load is estimated rather than calculated. This replaces any separate load derating for oscillation.

WORKED EXAMPLES

Inch: piston guide band

Bore ØD = 4.00 in; F = 15,000 lbf side load

TA100 at 100 °F → $P_r = 14,500$ psi; f = 2

$$H_{\min} = (15,000 \times 2) \div (4.00 \times 14,500) = 0.52 \text{ in}$$

Select: 2 bands × 3/8 in (0.375 in) wide from the standard cross-section tables, axially spaced at the piston.

Metric: rod guide band

Rod ØD = 60 mm; F = 40 kN side load

TA100 at 40 °C → $P_r = 100$ N/mm²; f = 2

$$H_{\min} = (40,000 \times 2) \div (60 \times 100) = 13.3 \text{ mm}$$

Select: 2 bands × 9.7 mm from the standard cross-section tables. Two axially spaced bands are preferred: longer effective guide length and greater resistance to tipping.

DESIGN GUIDELINES

- **Round up.** Always round $H_{\min}$ up to the nearest standard height or split it across two bands.
- **Single vs. multiple bands.** For pistons, two axially spaced bands provide stable guidance and resist tipping under load. For rod glands, a single band on the pressure (wet) side of the rod seal is standard.
- **Band position.** Install the band on the lubrication (wet) side of the seal if possible.
- **Bore and rod finish.** Ra 16–32 µin (0.4–0.8 µm) on the running surface ensures predictable break-in and minimizes early wear.
- **Groove dimensions.** Standard running clearance is built into the dimensional tables; verify groove dimensions against the relevant Tribotech tables for the chosen series (pages 8–9).
- **Temperature.** Use the P_r value for the actual continuous operating temperature; no additional temperature derating is required.

Values are typical and measured in laboratory conditions, primarily to DIN test standards; hardness is measured on the Rockwell M scale. Strength values are loads at failure. Performance in service may vary. For more about our test methods, please contact us.

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SPLIT STYLES AND GROOVE DESIGN

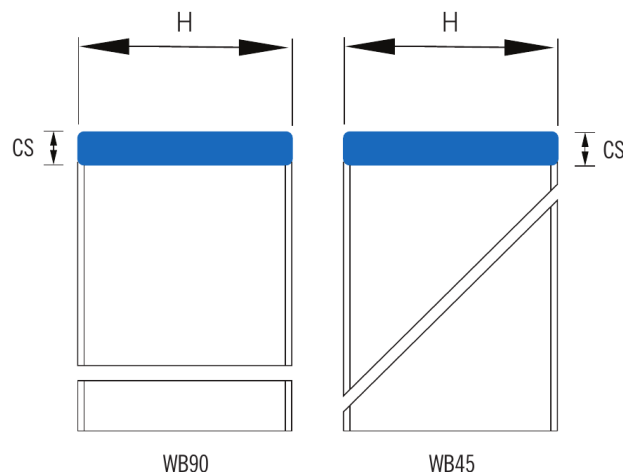
Tribotech guide bands are supplied with a single axial split that allows them to expand or compress slightly during installation, snapping into the groove without disassembly of the cylinder. Two standard split styles are offered.

WB45: skive (angle) cut

A 45° angle cut through the wall. The skive geometry maintains bearing surface overlap across the split, eliminating discontinuity in the guidance plane. Recommended for high-pressure and high-cycle applications where unbroken contact area is critical to seal protection.

WB90: butt cut

A 90° straight cut through the wall: the most economical and most commonly specified split style. Suited to general industrial duty where bearing surface continuity at the split is not the primary design constraint.



Band height H and section CS; WB90 butt cut and WB45 skive cut

GROOVE DESIGN

Guide band performance depends as much on the housing groove as on the guide band itself. Groove dimensions ensure the band is held captive without over-compressing the wall (which closes the running clearance) and without excessive radial play (which allows tilt under side load).

Rod groove configuration

The guide band sits in a groove machined into the gland or housing, with the inside diameter ($\varnothing d$) running on the rod. Standard groove geometry uses an H8 tolerance on the groove diameter ($\varnothing D$) and H9 on the relief diameter ($\varnothing D1$), with a 0.012 in (0.30 mm) radius at the corner to protect against installation damage.

Piston groove configuration

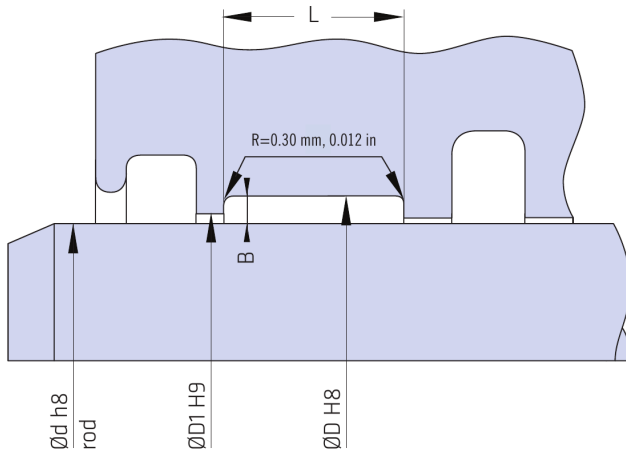
The guide band sits in a groove machined into the piston, with the outside diameter ($\varnothing D$) running on the cylinder bore. Standard groove geometry uses an h8 tolerance on the groove diameter ($\varnothing d$) and h9 on the relief diameter ($\varnothing d1$), with the same 0.012 in (0.30 mm) corner radius.

Groove and band dimensions for each series are tabulated on the following pages, inch and metric.

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ROD SERIES: GROOVE AND BAND DIMENSIONS



Rod bands sit in a groove in the gland or housing; the inside diameter runs on the rod.

Ød	rod diameter
ØD	groove diameter
ØD1	relief diameter
L	groove width
H	band height
cs	band section
R	corner radius, 0.012 in (0.30 mm)

INCH SERIES dimensions in inches

Groove dimensions and tolerances						Guide band dimensions	
Series	Nominal cs x L	L	Ød (rod)	ØD	ØD1	Section (cs)	Height (H)
Series 1	1/16 x 1/4	0.260 ^{+0.010}	tol h8	d+0.127	d+0.040	0.062 ±0.001	0.250 ±0.004
Series 2	1/16 x 3/8	0.385 ^{+0.010}	tol h8	d+0.127	d+0.040	0.062 ±0.001	0.375 ±0.004
Series 3	1/8 x 1/4	0.260 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	0.250 ±0.004
Series 4	1/8 x 3/8	0.385 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	0.375 ±0.004
Series 5	1/8 x 1/2	0.510 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	0.500 ±0.004
Series 6	1/8 x 3/4	0.760 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	0.750 ±0.004
Series 7	1/8 x 1	1.010 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	1.000 ±0.004
Series 8	1/8 x 1-1/4	1.260 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	1.250 ±0.004
Series 9	1/8 x 1-1/2	1.510 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	1.500 ±0.004
Series 10	1/8 x 2	2.010 ^{+0.010}	tol h8	d+0.252	d+0.063	0.124 ±0.001	2.000 ±0.004

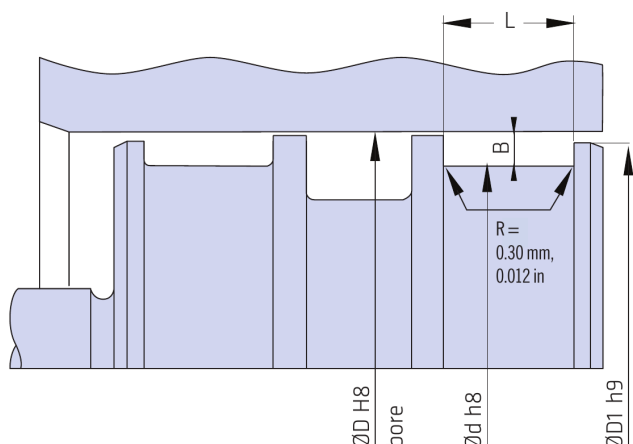
METRIC SERIES dimensions in millimeters

Groove dimensions and tolerances						Guide band dimensions	
Series	Nominal cs x L	L	Ød (rod)	ØD	ØD1	Section (cs)	Height (H)
Series 1	1.50 x 5.60	5.60 ^{+0.20}	tol f8	d+3.00 H8	d+1.00 H9	1.45 ±0.03	5.30 ±0.10
Series 2	1.50 x 9.70	9.70 ^{+0.20}	tol f8	d+3.00 H8	d+1.00 H9	1.45 ±0.03	9.40 ±0.10
Series 3	1.50 x 15.00	15.00 ^{+0.20}	tol f8	d+3.00 H8	d+1.00 H9	1.45 ±0.03	14.70 ±0.10
Series 4	2.50 x 5.60	5.60 ^{+0.20}	tol f8	d+5.00 H8	d+1.60 H9	2.45 ±0.03	5.30 ±0.10
Series 5	2.50 x 9.70	9.70 ^{+0.20}	tol f8	d+5.00 H8	d+1.60 H9	2.45 ±0.03	9.40 ±0.10
Series 6	2.50 x 15.00	15.00 ^{+0.20}	tol f8	d+5.00 H8	d+1.60 H9	2.45 ±0.03	14.70 ±0.10
Series 7	2.50 x 20.00	20.00 ^{+0.20}	tol f8	d+5.00 H8	d+1.60 H9	2.45 ±0.03	19.65 ±0.15
Series 8	2.50 x 25.00	25.00 ^{+0.20}	tol f8	d+5.00 H8	d+1.60 H9	2.45 ±0.03	24.65 ±0.15
Series 9	4.00 x 25.00	25.00 ^{+0.20}	tol f8	d+8.00 H8	d+2.30 H9	3.95 ±0.03	24.65 ±0.15
Series 10	4.00 x 30.00	30.00 ^{+0.20}	tol f8	d+8.00 H8	d+2.30 H9	3.95 ±0.03	29.60 ±0.20

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PISTON SERIES: GROOVE AND BAND DIMENSIONS



Piston bands sit in a groove in the piston; the outside diameter runs on the cylinder bore.

ØD	cylinder bore
Ød	groove diameter
Ød1	relief diameter
L	groove width
H	band height
cs	band section
R	corner radius, 0.012 in (0.30 mm)

INCH SERIES dimensions in inches

Groove dimensions and tolerances						Guide band dimensions	
Series	Nominal cs x L	L	ØD (bore)	Ød	Ød1	Section (cs)	Height (H)
Series 1	1/16 x 1/4	0.260 ^{+0.010}	tol H8	D-0.127	D-0.040	0.062 ±0.001	0.250 ±0.004
Series 2	1/16 x 3/8	0.385 ^{+0.010}	tol H8	D-0.127	D-0.040	0.062 ±0.001	0.375 ±0.004
Series 3	1/8 x 1/4	0.260 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	0.250 ±0.004
Series 4	1/8 x 3/8	0.385 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	0.375 ±0.004
Series 5	1/8 x 1/2	0.510 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	0.500 ±0.004
Series 6	1/8 x 3/4	0.760 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	0.750 ±0.004
Series 7	1/8 x 1	1.010 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	1.000 ±0.004
Series 8	1/8 x 1-1/4	1.260 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	1.250 ±0.004
Series 9	1/8 x 1-1/2	1.510 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	1.500 ±0.004
Series 10	1/8 x 2	2.010 ^{+0.010}	tol H8	D-0.252	D-0.063	0.124 ±0.001	2.000 ±0.004

METRIC SERIES dimensions in millimeters

Groove dimensions and tolerances						Guide band dimensions	
Series	Nominal cs x L	L	ØD (bore)	Ød	Ød1	Section (cs)	Height (H)
Series 1	1.50 x 5.60	5.60 ^{+0.20}	tol H8	D-3.00 h8	D-1.00 h9	1.45 ±0.03	5.30 ±0.10
Series 2	1.50 x 9.70	9.70 ^{+0.20}	tol H8	D-3.00 h8	D-1.00 h9	1.45 ±0.03	9.40 ±0.10
Series 3	1.50 x 15.00	15.00 ^{+0.20}	tol H8	D-3.00 h8	D-1.00 h9	1.45 ±0.03	14.70 ±0.10
Series 4	2.50 x 5.60	5.60 ^{+0.20}	tol H8	D-5.00 h8	D-1.60 h9	2.45 ±0.03	5.30 ±0.10
Series 5	2.50 x 9.70	9.70 ^{+0.20}	tol H8	D-5.00 h8	D-1.60 h9	2.45 ±0.03	9.40 ±0.10
Series 6	2.50 x 15.00	15.00 ^{+0.20}	tol H8	D-5.00 h8	D-1.60 h9	2.45 ±0.03	14.70 ±0.10
Series 7	2.50 x 20.00	20.00 ^{+0.20}	tol H8	D-5.00 h8	D-1.60 h9	2.45 ±0.03	19.65 ±0.15
Series 8	2.50 x 25.00	25.00 ^{+0.20}	tol H8	D-5.00 h8	D-1.60 h9	2.45 ±0.03	24.65 ±0.15
Series 9	4.00 x 25.00	25.00 ^{+0.20}	tol H8	D-8.00 h8	D-2.30 h9	3.95 ±0.03	24.65 ±0.15
Series 10	4.00 x 30.00	30.00 ^{+0.20}	tol H8	D-8.00 h8	D-2.30 h9	3.95 ±0.03	29.60 ±0.20

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GUIDE BAND INSTALLATION

Tribotech guide bands are designed for tool-free installation in cylinder assemblies. The split allows the band to be flexed open or compressed and seated into its groove without disassembling the cylinder rod or piston.

Piston installation

For a piston guide band, the band is opened slightly at the split and slipped over the piston into the piston groove. Once seated, the split closes back to its installed dimension and the band is held captive by the groove walls. Verify the band is fully seated around the entire circumference before reassembling the cylinder.

Rod installation

For a rod guide band, the band is gently compressed and rolled into the gland groove. The composite is tough but not infinitely flexible: avoid sharp creases or forcing the band past its elastic limit during fitment, particularly in larger cross-sections.

Post-installation checks

- Verify the split has returned to its design dimension, with no visible gap beyond standard tolerance.
- Confirm the band is flush in the groove and not riding up against the groove wall on either side.
- Check that the running surface is clean and free of debris before reassembling the cylinder.
- For high-pressure or high-cycle applications, dry-fit and rotate the rod or piston by hand before pressurizing to confirm there is no binding.

IMPORTANT: Never strike the guide band directly with a metal tool. The composite is tough under sustained load but can chip at the leading edge under sharp impact. Use a soft-faced mallet or finger pressure only.

ADDITIONAL OPTIONS AND CUSTOM FEATURES

Tribotech machines guide bands without setup-charge minimums on cross-section or width. Custom geometries and alternative material grades are available on request to meet specific operating requirements.

Custom widths and diameters

Virtually any width can be produced within the standard cross-section range without tooling cost. Custom inside and outside diameters can be machined to specification: useful where standard groove dimensions do not match the housing design, or for retrofit applications matching legacy cylinder geometry.

Special end cut profiles

In addition to the standard WB45 and WB90 split styles, Tribotech can machine step-cut profiles for applications requiring continuous bearing contact across the split with mechanical overlap. Step cuts are specified where pressure spikes or rapid stroke reversal would otherwise open a butt-cut split.

Material variants

TA100 is supplied as standard in the dimensional tables. TA200, TA300 and TA400 guide bands are available in any standard size by request:

- **TA200** for dry-running general industrial service.
- **TA300** for high loads and slow, oscillating motion.
- **TA400** for elevated temperatures above 250 °F (120 °C), chemical exposure or maximum sustained load.

Combined custom solutions

Where a standard product family does not address the application, Tribotech engineers components from the ground up: custom material formulations, non-standard split geometries, profiled cross-sections and integrated wear pads or guide strips.

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 1.000–2.000 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
1.000	1.250	0.188	10100	10101	1.375	1.625	0.625	10194	10195	1.750	2.000	1.000	10288	10289
1.000	1.250	0.250	10102	10103	1.375	1.625	0.750	10196	10197	1.750	2.000	1.250	10290	10291
1.000	1.250	0.313	10104	10105	1.375	1.625	0.875	10198	10199	1.750	2.000	1.500	10292	10293
1.000	1.250	0.375	10106	10107	1.375	1.625	1.000	10200	10201	1.750	2.000	1.750	10294	10295
1.000	1.250	0.500	10108	10109	1.375	1.625	1.250	10202	10203	1.750	2.000	2.000	10296	10297
1.000	1.250	0.625	10110	10111	1.375	1.625	1.500	10204	10205	1.750	2.000	2.250	10298	10299
1.000	1.250	0.750	10112	10113	1.375	1.625	1.750	10206	10207	1.750	2.000	2.500	10300	10301
1.000	1.250	0.875	10114	10115	1.375	1.625	2.000	10208	10209	1.750	2.000	2.750	10302	10303
1.000	1.250	1.000	10116	10117	1.500	1.625	0.975	10210	10211	1.750	2.000	3.000	10304	10305
1.000	1.250	1.250	10118	10119	1.500	1.750	0.188	10212	10213	1.750	2.000	3.250	10306	10307
1.000	1.250	1.500	10120	10121	1.500	1.750	0.250	10214	10215	1.750	2.000	3.500	10308	10309
1.000	1.250	1.750	10122	10123	1.500	1.750	0.313	10216	10217	1.750	2.000	3.750	10310	10311
1.000	1.250	2.000	10124	10125	1.500	1.750	0.375	10218	10219	1.750	2.000	4.000	10312	10313
1.125	1.375	0.188	10126	10127	1.500	1.750	0.500	10220	10221	1.750	2.250	0.438	10314	10315
1.125	1.375	0.250	10128	10129	1.500	1.750	0.625	10222	10223	1.750	2.250	0.580	10316	10317
1.125	1.375	0.313	10130	10131	1.500	1.750	0.750	10224	10225	1.750	2.250	0.750	10318	10319
1.125	1.375	0.375	10132	10133	1.500	1.750	0.875	10226	10227	1.750	2.250	0.875	10320	10321
1.125	1.375	0.500	10134	10135	1.500	1.750	1.000	10228	10229	1.875	2.125	0.188	10322	10323
1.125	1.375	0.625	10136	10137	1.500	1.750	1.250	10230	10231	1.875	2.125	0.250	10324	10325
1.125	1.375	0.750	10138	10139	1.500	1.750	1.500	10232	10233	1.875	2.125	0.313	10326	10327
1.125	1.375	0.875	10140	10141	1.500	1.750	1.750	10234	10235	1.875	2.125	0.375	10328	10329
1.125	1.375	1.000	10142	10143	1.500	1.750	2.000	10236	10237	1.875	2.125	0.500	10330	10331
1.125	1.375	1.250	10144	10145	1.500	2.000	0.580	10238	10239	1.875	2.125	0.625	10332	10333
1.125	1.375	1.500	10146	10147	1.500	2.000	0.750	10240	10241	1.875	2.125	0.750	10334	10335
1.125	1.375	1.750	10148	10149	1.500	2.125	1.500	10242	10243	1.875	2.125	0.875	10336	10337
1.125	1.375	2.000	10150	10151	1.625	1.875	0.188	10244	10245	1.875	2.125	1.000	10338	10339
1.250	1.500	0.188	10152	10153	1.625	1.875	0.250	10246	10247	1.875	2.125	1.250	10340	10341
1.250	1.500	0.250	10154	10155	1.625	1.875	0.313	10248	10249	1.875	2.125	1.500	10342	10343
1.250	1.500	0.313	10156	10157	1.625	1.875	0.375	10250	10251	1.875	2.125	1.750	10344	10345
1.250	1.500	0.375	10158	10159	1.625	1.875	0.500	10252	10253	1.875	2.125	2.000	10346	10347
1.250	1.500	0.500	10160	10161	1.625	1.875	0.625	10254	10255	1.875	2.125	2.250	10348	10349
1.250	1.500	0.625	10162	10163	1.625	1.875	0.750	10256	10257	1.875	2.125	2.500	10350	10351
1.250	1.500	0.750	10164	10165	1.625	1.875	0.875	10258	10259	1.875	2.125	2.750	10352	10353
1.250	1.500	0.875	10166	10167	1.625	1.875	1.000	10260	10261	1.875	2.125	3.000	10354	10355
1.250	1.500	1.000	10168	10169	1.625	1.875	1.250	10262	10263	1.875	2.125	3.250	10356	10357
1.250	1.500	1.250	10170	10171	1.625	1.875	1.500	10264	10265	1.875	2.125	3.500	10358	10359
1.250	1.500	1.500	10172	10173	1.625	1.875	1.750	10266	10267	1.875	2.125	3.750	10360	10361
1.250	1.500	1.750	10174	10175	1.625	1.875	2.000	10268	10269	1.875	2.125	4.000	10362	10363
1.250	1.500	2.000	10176	10177	1.750	1.875	0.975	10270	10271	2.000	2.125	0.975	10364	10365
1.250	1.750	0.844	10178	10179	1.750	2.000	0.188	10272	10273	2.000	2.250	0.188	10366	10367
1.250	1.750	1.000	10180	10181	1.750	2.000	0.250	10274	10275	2.000	2.250	0.250	10368	10369
1.250	1.875	1.500	10182	10183	1.750	2.000	0.313	10276	10277	2.000	2.250	0.313	10370	10371
1.375	1.625	0.188	10184	10185	1.750	2.000	0.375	10278	10279	2.000	2.250	0.375	10372	10373
1.375	1.625	0.250	10186	10187	1.750	2.000	0.500	10280	10281	2.000	2.250	0.500	10374	10375
1.375	1.625	0.313	10188	10189	1.750	2.000	0.625	10282	10283	2.000	2.250	0.625	10376	10377
1.375	1.625	0.375	10190	10191	1.750	2.000	0.750	10284	10285	2.000	2.250	0.750	10378	10379
1.375	1.625	0.500	10192	10193	1.750	2.000	0.875	10286	10287	2.000	2.250	0.875	10380	10381

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 2.000–2.750 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
2.000	2.250	1.000	10382	10383	2.250	2.500	0.875	10476	10477	2.500	2.750	1.000	10570	10571
2.000	2.250	1.250	10384	10385	2.250	2.500	1.000	10478	10479	2.500	2.750	1.250	10572	10573
2.000	2.250	1.500	10386	10387	2.250	2.500	1.250	10480	10481	2.500	2.750	1.475	10574	10575
2.000	2.250	1.750	10388	10389	2.250	2.500	1.500	10482	10483	2.500	2.750	1.500	10576	10577
2.000	2.250	2.000	10390	10391	2.250	2.500	1.550	10484	10485	2.500	2.750	1.750	10578	10579
2.000	2.250	2.250	10392	10393	2.250	2.500	1.750	10486	10487	2.500	2.750	2.000	10580	10581
2.000	2.250	2.500	10394	10395	2.250	2.500	2.000	10488	10489	2.500	2.750	2.250	10582	10583
2.000	2.250	2.750	10396	10397	2.250	2.500	2.250	10490	10491	2.500	2.750	2.500	10584	10585
2.000	2.250	3.000	10398	10399	2.250	2.500	2.500	10492	10493	2.500	2.750	2.750	10586	10587
2.000	2.250	3.250	10400	10401	2.250	2.500	2.750	10494	10495	2.500	2.750	3.000	10588	10589
2.000	2.250	3.500	10402	10403	2.250	2.500	3.000	10496	10497	2.500	2.750	3.250	10590	10591
2.000	2.250	3.750	10404	10405	2.250	2.500	3.250	10498	10499	2.500	2.750	3.500	10592	10593
2.000	2.250	4.000	10406	10407	2.250	2.500	3.500	10500	10501	2.500	2.750	3.750	10594	10595
2.000	2.500	0.500	10408	10409	2.250	2.500	3.750	10502	10503	2.500	2.750	4.000	10596	10597
2.000	2.500	0.580	10410	10411	2.250	2.500	4.000	10504	10505	2.500	3.000	0.250	10598	10599
2.000	2.500	0.700	10412	10413	2.250	2.750	0.580	10506	10507	2.500	3.000	0.580	10600	10601
2.000	2.500	0.750	10414	10415	2.250	2.750	0.750	10508	10509	2.500	3.000	0.591	10602	10603
2.000	2.500	1.000	10416	10417	2.375	2.625	0.188	10510	10511	2.500	3.000	0.750	10604	10605
2.125	2.375	0.188	10418	10419	2.375	2.625	0.250	10512	10513	2.500	3.000	1.000	10606	10607
2.125	2.375	0.250	10420	10421	2.375	2.625	0.313	10514	10515	2.625	2.875	0.188	10608	10609
2.125	2.375	0.313	10422	10423	2.375	2.625	0.375	10516	10517	2.625	2.875	0.250	10610	10611
2.125	2.375	0.375	10424	10425	2.375	2.625	0.500	10518	10519	2.625	2.875	0.313	10612	10613
2.125	2.375	0.500	10426	10427	2.375	2.625	0.625	10520	10521	2.625	2.875	0.375	10614	10615
2.125	2.375	0.625	10428	10429	2.375	2.625	0.750	10522	10523	2.625	2.875	0.500	10616	10617
2.125	2.375	0.750	10430	10431	2.375	2.625	0.875	10524	10525	2.625	2.875	0.625	10618	10619
2.125	2.375	0.875	10432	10433	2.375	2.625	1.000	10526	10527	2.625	2.875	0.750	10620	10621
2.125	2.375	1.000	10434	10435	2.375	2.625	1.250	10528	10529	2.625	2.875	0.875	10622	10623
2.125	2.375	1.250	10436	10437	2.375	2.625	1.500	10530	10531	2.625	2.875	1.000	10624	10625
2.125	2.375	1.500	10438	10439	2.375	2.625	1.750	10532	10533	2.625	2.875	1.250	10626	10627
2.125	2.375	1.750	10440	10441	2.375	2.625	2.000	10534	10535	2.625	2.875	1.500	10628	10629
2.125	2.375	2.000	10442	10443	2.375	2.625	2.250	10536	10537	2.625	2.875	1.750	10630	10631
2.125	2.375	2.250	10444	10445	2.375	2.625	2.500	10538	10539	2.625	2.875	2.000	10632	10633
2.125	2.375	2.500	10446	10447	2.375	2.625	2.750	10540	10541	2.625	2.875	2.250	10634	10635
2.125	2.375	2.750	10448	10449	2.375	2.625	3.000	10542	10543	2.625	2.875	2.500	10636	10637
2.125	2.375	3.000	10450	10451	2.375	2.625	3.250	10544	10545	2.625	2.875	2.750	10638	10639
2.125	2.375	3.250	10452	10453	2.375	2.625	3.500	10546	10547	2.625	2.875	3.000	10640	10641
2.125	2.375	3.500	10454	10455	2.375	2.625	3.750	10548	10549	2.625	2.875	3.250	10642	10643
2.125	2.375	3.750	10456	10457	2.375	2.625	4.000	10550	10551	2.625	2.875	3.500	10644	10645
2.125	2.375	4.000	10458	10459	2.500	2.625	1.475	10552	10553	2.625	2.875	3.750	10646	10647
2.250	2.375	1.475	10460	10461	2.500	2.750	0.188	10554	10555	2.625	2.875	4.000	10648	10649
2.250	2.500	0.188	10462	10463	2.500	2.750	0.250	10556	10557	2.750	3.000	0.188	10650	10651
2.250	2.500	0.250	10464	10465	2.500	2.750	0.313	10558	10559	2.750	3.000	0.250	10652	10653
2.250	2.500	0.313	10466	10467	2.500	2.750	0.375	10560	10561	2.750	3.000	0.313	10654	10655
2.250	2.500	0.375	10468	10469	2.500	2.750	0.500	10562	10563	2.750	3.000	0.375	10656	10657
2.250	2.500	0.500	10470	10471	2.500	2.750	0.625	10564	10565	2.750	3.000	0.500	10658	10659
2.250	2.500	0.625	10472	10473	2.500	2.750	0.750	10566	10567	2.750	3.000	0.625	10660	10661
2.250	2.500	0.750	10474	10475	2.500	2.750	0.875	10568	10569	2.750	3.000	0.750	10662	10663

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 2.750–3.500 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
2.750	3.000	0.875	10664	10665	3.000	3.250	1.000	10758	10759	3.250	3.500	0.750	10852	10853
2.750	3.000	1.000	10666	10667	3.000	3.250	1.250	10760	10761	3.250	3.500	0.875	10854	10855
2.750	3.000	1.250	10668	10669	3.000	3.250	1.500	10762	10763	3.250	3.500	1.000	10856	10857
2.750	3.000	1.475	10670	10671	3.000	3.250	1.750	10764	10765	3.250	3.500	1.250	10858	10859
2.750	3.000	1.500	10672	10673	3.000	3.250	2.000	10766	10767	3.250	3.500	1.475	10860	10861
2.750	3.000	1.750	10674	10675	3.000	3.250	2.250	10768	10769	3.250	3.500	1.500	10862	10863
2.750	3.000	2.000	10676	10677	3.000	3.250	2.500	10770	10771	3.250	3.500	1.750	10864	10865
2.750	3.000	2.250	10678	10679	3.000	3.250	2.750	10772	10773	3.250	3.500	2.000	10866	10867
2.750	3.000	2.500	10680	10681	3.000	3.250	3.000	10774	10775	3.250	3.500	2.250	10868	10869
2.750	3.000	2.750	10682	10683	3.000	3.250	3.250	10776	10777	3.250	3.500	2.500	10870	10871
2.750	3.000	3.000	10684	10685	3.000	3.250	3.500	10778	10779	3.250	3.500	2.750	10872	10873
2.750	3.000	3.250	10686	10687	3.000	3.250	3.750	10780	10781	3.250	3.500	3.000	10874	10875
2.750	3.000	3.500	10688	10689	3.000	3.250	4.000	10782	10783	3.250	3.500	3.250	10876	10877
2.750	3.000	3.750	10690	10691	3.000	3.500	0.469	10784	10785	3.250	3.500	3.500	10878	10879
2.750	3.000	4.000	10692	10693	3.000	3.500	0.500	10786	10787	3.250	3.500	3.750	10880	10881
2.750	3.250	1.000	10694	10695	3.000	3.500	0.750	10788	10789	3.250	3.500	4.000	10882	10883
2.750	3.375	1.000	10696	10697	3.000	3.500	1.000	10790	10791	3.250	3.625	0.375	10884	10885
2.875	3.125	0.188	10698	10699	3.000	3.500	1.500	10792	10793	3.250	3.625	1.000	10886	10887
2.875	3.125	0.250	10700	10701	3.125	3.375	0.188	10794	10795	3.375	3.625	0.188	10888	10889
2.875	3.125	0.313	10702	10703	3.125	3.375	0.250	10796	10797	3.375	3.625	0.250	10890	10891
2.875	3.125	0.375	10704	10705	3.125	3.375	0.313	10798	10799	3.375	3.625	0.313	10892	10893
2.875	3.125	0.500	10706	10707	3.125	3.375	0.375	10800	10801	3.375	3.625	0.375	10894	10895
2.875	3.125	0.625	10708	10709	3.125	3.375	0.500	10802	10803	3.375	3.625	0.500	10896	10897
2.875	3.125	0.750	10710	10711	3.125	3.375	0.625	10804	10805	3.375	3.625	0.625	10898	10899
2.875	3.125	0.875	10712	10713	3.125	3.375	0.750	10806	10807	3.375	3.625	0.750	10900	10901
2.875	3.125	1.000	10714	10715	3.125	3.375	0.875	10808	10809	3.375	3.625	0.875	10902	10903
2.875	3.125	1.250	10716	10717	3.125	3.375	1.000	10810	10811	3.375	3.625	1.000	10904	10905
2.875	3.125	1.500	10718	10719	3.125	3.375	1.250	10812	10813	3.375	3.625	1.250	10906	10907
2.875	3.125	1.750	10720	10721	3.125	3.375	1.500	10814	10815	3.375	3.625	1.500	10908	10909
2.875	3.125	2.000	10722	10723	3.125	3.375	1.750	10816	10817	3.375	3.625	1.750	10910	10911
2.875	3.125	2.250	10724	10725	3.125	3.375	2.000	10818	10819	3.375	3.625	2.000	10912	10913
2.875	3.125	2.500	10726	10727	3.125	3.375	2.250	10820	10821	3.375	3.625	2.250	10914	10915
2.875	3.125	2.750	10728	10729	3.125	3.375	2.500	10822	10823	3.375	3.625	2.500	10916	10917
2.875	3.125	3.000	10730	10731	3.125	3.375	2.750	10824	10825	3.375	3.625	2.750	10918	10919
2.875	3.125	3.250	10732	10733	3.125	3.375	3.000	10826	10827	3.375	3.625	3.000	10920	10921
2.875	3.125	3.500	10734	10735	3.125	3.375	3.250	10828	10829	3.375	3.625	3.250	10922	10923
2.875	3.125	3.750	10736	10737	3.125	3.375	3.500	10830	10831	3.375	3.625	3.500	10924	10925
2.875	3.125	4.000	10738	10739	3.125	3.375	3.750	10832	10833	3.375	3.625	3.750	10926	10927
3.000	3.125	1.475	10740	10741	3.125	3.375	4.000	10834	10835	3.375	3.625	4.000	10928	10929
3.000	3.250	0.188	10742	10743	3.125	3.500	0.750	10836	10837	3.500	3.750	0.188	10930	10931
3.000	3.250	0.250	10744	10745	3.125	3.500	0.845	10838	10839	3.500	3.750	0.250	10932	10933
3.000	3.250	0.313	10746	10747	3.250	3.500	0.188	10840	10841	3.500	3.750	0.313	10934	10935
3.000	3.250	0.375	10748	10749	3.250	3.500	0.250	10842	10843	3.500	3.750	0.375	10936	10937
3.000	3.250	0.500	10750	10751	3.250	3.500	0.313	10844	10845	3.500	3.750	0.500	10938	10939
3.000	3.250	0.625	10752	10753	3.250	3.500	0.375	10846	10847	3.500	3.750	0.625	10940	10941
3.000	3.250	0.750	10754	10755	3.250	3.500	0.500	10848	10849	3.500	3.750	0.750	10942	10943
3.000	3.250	0.875	10756	10757	3.250	3.500	0.625	10850	10851	3.500	3.750	0.875	10944	10945

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 3.500–4.250 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
3.500	3.750	1.000	10946	10947	3.750	4.000	1.750	11040	11041	4.000	4.250	2.250	11136	11137
3.500	3.750	1.250	10948	10949	3.750	4.000	2.000	11042	11043	4.000	4.250	2.500	11138	11139
3.500	3.750	1.500	10950	10951	3.750	4.000	2.250	11044	11045	4.000	4.250	2.750	11140	11141
3.500	3.750	1.750	10952	10953	3.750	4.000	2.500	11046	11047	4.000	4.250	3.000	11142	11143
3.500	3.750	2.000	10954	10955	3.750	4.000	2.750	11048	11049	4.000	4.250	3.250	11144	11145
3.500	3.750	2.250	10956	10957	3.750	4.000	3.000	11050	11051	4.000	4.250	3.500	11146	11147
3.500	3.750	2.500	10958	10959	3.750	4.000	3.250	11052	11053	4.000	4.250	3.750	11148	11149
3.500	3.750	2.750	10960	10961	3.750	4.000	3.500	11054	11055	4.000	4.250	4.000	11150	11151
3.500	3.750	3.000	10962	10963	3.750	4.000	3.750	11056	11057	4.000	4.500	0.250	11152	11153
3.500	3.750	3.250	10964	10965	3.750	4.000	4.000	11058	11059	4.000	4.500	0.375	11154	11155
3.500	3.750	3.500	10966	10967	3.750	4.250	0.750	11060	11061	4.000	4.500	0.750	11156	11157
3.500	3.750	3.750	10968	10969	3.750	4.250	1.000	11062	11063	4.000	4.500	0.845	11158	11159
3.500	3.750	4.000	10970	10971	3.750	4.375	1.000	11064	11065	4.000	4.500	0.938	11160	11161
3.500	4.000	0.250	10972	10973	3.875	4.125	0.188	11066	11067	4.000	4.500	1.000	11162	11163
3.500	4.000	0.469	10974	10975	3.875	4.125	0.250	11068	11069	4.000	4.500	1.500	11164	11165
3.625	3.875	0.188	10976	10977	3.875	4.125	0.313	11070	11071	4.000	4.625	1.000	11166	11167
3.625	3.875	0.250	10978	10979	3.875	4.125	0.375	11072	11073	4.125	4.375	0.188	11168	11169
3.625	3.875	0.313	10980	10981	3.875	4.125	0.500	11074	11075	4.125	4.375	0.250	11170	11171
3.625	3.875	0.375	10982	10983	3.875	4.125	0.625	11076	11077	4.125	4.375	0.313	11172	11173
3.625	3.875	0.500	10984	10985	3.875	4.125	0.750	11078	11079	4.125	4.375	0.375	11174	11175
3.625	3.875	0.625	10986	10987	3.875	4.125	0.875	11080	11081	4.125	4.375	0.500	11176	11177
3.625	3.875	0.750	10988	10989	3.875	4.125	1.000	11082	11083	4.125	4.375	0.625	11178	11179
3.625	3.875	0.875	10990	10991	3.875	4.125	1.250	11084	11085	4.125	4.375	0.750	11180	11181
3.625	3.875	1.000	10992	10993	3.875	4.125	1.500	11086	11087	4.125	4.375	0.875	11182	11183
3.625	3.875	1.250	10994	10995	3.875	4.125	1.750	11088	11089	4.125	4.375	1.000	11184	11185
3.625	3.875	1.500	10996	10997	3.875	4.125	2.000	11090	11091	4.125	4.375	1.250	11186	11187
3.625	3.875	1.750	10998	10999	3.875	4.125	2.250	11092	11093	4.125	4.375	1.500	11188	11189
3.625	3.875	2.000	11000	11001	3.875	4.125	2.500	11094	11095	4.125	4.375	1.750	11190	11191
3.625	3.875	2.250	11002	11003	3.875	4.125	2.750	11096	11097	4.125	4.375	2.000	11192	11193
3.625	3.875	2.500	11004	11005	3.875	4.125	3.000	11098	11099	4.125	4.375	2.250	11194	11195
3.625	3.875	2.750	11006	11007	3.875	4.125	3.250	11100	11101	4.125	4.375	2.500	11196	11197
3.625	3.875	3.000	11008	11009	3.875	4.125	3.500	11102	11103	4.125	4.375	2.750	11198	11199
3.625	3.875	3.250	11010	11011	3.875	4.125	3.750	11104	11105	4.125	4.375	3.000	11200	11201
3.625	3.875	3.500	11012	11013	3.875	4.125	3.750	11104	11105	4.125	4.375	3.250	11202	11203
3.625	3.875	3.750	11014	11015	3.875	4.125	4.000	11106	11107	4.125	4.375	3.500	11204	11205
3.625	3.875	4.000	11016	11017	4.000	4.250	0.188	11110	11111	4.125	4.375	3.750	11206	11207
3.750	4.000	0.188	11018	11019	4.000	4.250	0.250	11112	11113	4.125	4.375	4.000	11208	11209
3.750	4.000	0.250	11020	11021	4.000	4.250	0.313	11114	11115	4.250	4.500	0.188	11210	11211
3.750	4.000	0.313	11022	11023	4.000	4.250	0.375	11116	11117	4.250	4.500	0.250	11212	11213
3.750	4.000	0.375	11024	11025	4.000	4.250	0.500	11118	11119	4.250	4.500	0.313	11214	11215
3.750	4.000	0.500	11026	11027	4.000	4.250	0.625	11120	11121	4.250	4.500	0.375	11216	11217
3.750	4.000	0.625	11028	11029	4.000	4.250	0.750	11122	11123	4.250	4.500	0.500	11218	11219
3.750	4.000	0.750	11030	11031	4.000	4.250	0.875	11124	11125	4.250	4.500	0.625	11220	11221
3.750	4.000	0.875	11032	11033	4.000	4.250	1.000	11126	11127	4.250	4.500	0.750	11222	11223
3.750	4.000	1.000	11034	11035	4.000	4.250	1.250	11128	11129	4.250	4.500	0.875	11224	11225
3.750	4.000	1.250	11036	11037	4.000	4.250	1.500	11130	11131	4.250	4.500	1.000	11226	11227
3.750	4.000	1.500	11038	11039	4.000	4.250	1.750	11132	11133	4.250	4.500	1.250	11228	11229
					4.000	4.250	2.000	11134	11135					

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 4.250–5.000 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
4.250	4.500	1.500	11230	11231	4.500	4.750	2.750	11324	11325	4.750	5.000	3.750	11418	11419
4.250	4.500	1.750	11232	11233	4.500	4.750	3.000	11326	11327	4.750	5.000	4.000	11420	11421
4.250	4.500	2.000	11234	11235	4.500	4.750	3.250	11328	11329	4.750	5.250	1.000	11422	11423
4.250	4.500	2.250	11236	11237	4.500	4.750	3.500	11330	11331	4.750	5.250	2.000	11424	11425
4.250	4.500	2.500	11238	11239	4.500	4.750	3.750	11332	11333	4.750	5.375	1.000	11426	11427
4.250	4.500	2.750	11240	11241	4.500	4.750	4.000	11334	11335	4.875	5.125	0.188	11428	11429
4.250	4.500	3.000	11242	11243	4.500	5.000	0.250	11336	11337	4.875	5.125	0.250	11430	11431
4.250	4.500	3.250	11244	11245	4.625	4.875	0.188	11338	11339	4.875	5.125	0.313	11432	11433
4.250	4.500	3.500	11246	11247	4.625	4.875	0.250	11340	11341	4.875	5.125	0.375	11434	11435
4.250	4.500	3.750	11248	11249	4.625	4.875	0.313	11342	11343	4.875	5.125	0.500	11436	11437
4.250	4.500	4.000	11250	11251	4.625	4.875	0.375	11344	11345	4.875	5.125	0.625	11438	11439
4.375	4.625	0.188	11252	11253	4.625	4.875	0.500	11346	11347	4.875	5.125	0.750	11440	11441
4.375	4.625	0.250	11254	11255	4.625	4.875	0.625	11348	11349	4.875	5.125	0.875	11442	11443
4.375	4.625	0.313	11256	11257	4.625	4.875	0.750	11350	11351	4.875	5.125	1.000	11444	11445
4.375	4.625	0.375	11258	11259	4.625	4.875	0.875	11352	11353	4.875	5.125	1.250	11446	11447
4.375	4.625	0.500	11260	11261	4.625	4.875	1.000	11354	11355	4.875	5.125	1.500	11448	11449
4.375	4.625	0.625	11262	11263	4.625	4.875	1.250	11356	11357	4.875	5.125	1.750	11450	11451
4.375	4.625	0.750	11264	11265	4.625	4.875	1.500	11358	11359	4.875	5.125	2.000	11452	11453
4.375	4.625	0.875	11266	11267	4.625	4.875	1.750	11360	11361	4.875	5.125	2.250	11454	11455
4.375	4.625	1.000	11268	11269	4.625	4.875	2.000	11362	11363	4.875	5.125	2.500	11456	11457
4.375	4.625	1.250	11270	11271	4.625	4.875	2.250	11364	11365	4.875	5.125	2.750	11458	11459
4.375	4.625	1.500	11272	11273	4.625	4.875	2.500	11366	11367	4.875	5.125	3.000	11460	11461
4.375	4.625	1.750	11274	11275	4.625	4.875	2.750	11368	11369	4.875	5.125	3.250	11462	11463
4.375	4.625	2.000	11276	11277	4.625	4.875	3.000	11370	11371	4.875	5.125	3.500	11464	11465
4.375	4.625	2.250	11278	11279	4.625	4.875	3.250	11372	11373	4.875	5.125	3.750	11466	11467
4.375	4.625	2.500	11280	11281	4.625	4.875	3.500	11374	11375	4.875	5.125	4.000	11468	11469
4.375	4.625	2.750	11282	11283	4.625	4.875	3.750	11376	11377	5.000	5.250	0.188	11470	11471
4.375	4.625	3.000	11284	11285	4.625	4.875	4.000	11378	11379	5.000	5.250	0.250	11472	11473
4.375	4.625	3.250	11286	11287	4.750	5.000	0.188	11380	11381	5.000	5.250	0.313	11474	11475
4.375	4.625	3.500	11288	11289	4.750	5.000	0.250	11382	11383	5.000	5.250	0.375	11476	11477
4.375	4.625	3.750	11290	11291	4.750	5.000	0.313	11384	11385	5.000	5.250	0.500	11478	11479
4.375	4.625	4.000	11292	11293	4.750	5.000	0.375	11386	11387	5.000	5.250	0.625	11480	11481
4.500	4.750	0.188	11294	11295	4.750	5.000	0.500	11388	11389	5.000	5.250	0.750	11482	11483
4.500	4.750	0.250	11296	11297	4.750	5.000	0.625	11390	11391	5.000	5.250	0.875	11484	11485
4.500	4.750	0.313	11298	11299	4.750	5.000	0.750	11392	11393	5.000	5.250	1.000	11486	11487
4.500	4.750	0.375	11300	11301	4.750	5.000	0.875	11394	11395	5.000	5.250	1.250	11488	11489
4.500	4.750	0.500	11302	11303	4.750	5.000	1.000	11396	11397	5.000	5.250	1.500	11490	11491
4.500	4.750	0.625	11304	11305	4.750	5.000	1.250	11398	11399	5.000	5.250	1.750	11492	11493
4.500	4.750	0.750	11306	11307	4.750	5.000	1.500	11400	11401	5.000	5.250	2.000	11494	11495
4.500	4.750	0.875	11308	11309	4.750	5.000	1.750	11402	11403	5.000	5.250	2.250	11496	11497
4.500	4.750	1.000	11310	11311	4.750	5.000	2.000	11404	11405	5.000	5.250	2.500	11498	11499
4.500	4.750	1.250	11312	11313	4.750	5.000	2.250	11406	11407	5.000	5.250	2.750	11500	11501
4.500	4.750	1.500	11314	11315	4.750	5.000	2.500	11408	11409	5.000	5.250	3.000	11502	11503
4.500	4.750	1.750	11316	11317	4.750	5.000	2.750	11410	11411	5.000	5.250	3.250	11504	11505
4.500	4.750	2.000	11318	11319	4.750	5.000	3.000	11412	11413	5.000	5.250	3.500	11506	11507
4.500	4.750	2.250	11320	11321	4.750	5.000	3.250	11414	11415	5.000	5.250	3.750	11508	11509
4.500	4.750	2.500	11322	11323	4.750	5.000	3.500	11416	11417	5.000	5.250	4.000	11510	11511

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 5.000–6.250 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
5.000	5.500	0.750	11512	11513	5.500	5.750	0.250	11606	11607	5.750	6.000	0.750	11700	11701
5.000	5.500	0.845	11514	11515	5.500	5.750	0.313	11608	11609	5.750	6.000	0.875	11702	11703
5.000	5.500	0.938	11516	11517	5.500	5.750	0.375	11610	11611	5.750	6.000	1.000	11704	11705
5.000	5.500	1.000	11518	11519	5.500	5.750	0.500	11612	11613	5.750	6.000	1.250	11706	11707
5.250	5.500	0.188	11520	11521	5.500	5.750	0.625	11614	11615	5.750	6.000	1.500	11708	11709
5.250	5.500	0.250	11522	11523	5.500	5.750	0.750	11616	11617	5.750	6.000	1.750	11710	11711
5.250	5.500	0.313	11524	11525	5.500	5.750	0.875	11618	11619	5.750	6.000	2.000	11712	11713
5.250	5.500	0.375	11526	11527	5.500	5.750	1.000	11620	11621	5.750	6.000	2.250	11714	11715
5.250	5.500	0.500	11528	11529	5.500	5.750	1.250	11622	11623	5.750	6.000	2.500	11716	11717
5.250	5.500	0.625	11530	11531	5.500	5.750	1.500	11624	11625	5.750	6.000	2.750	11718	11719
5.250	5.500	0.750	11532	11533	5.500	5.750	1.750	11626	11627	5.750	6.000	3.000	11720	11721
5.250	5.500	0.875	11534	11535	5.500	5.750	2.000	11628	11629	5.750	6.000	3.250	11722	11723
5.250	5.500	1.000	11536	11537	5.500	5.750	2.250	11630	11631	5.750	6.000	3.500	11724	11725
5.250	5.500	1.250	11538	11539	5.500	5.750	2.500	11632	11633	5.750	6.000	3.750	11726	11727
5.250	5.500	1.500	11540	11541	5.500	5.750	2.750	11634	11635	5.750	6.000	4.000	11728	11729
5.250	5.500	1.750	11542	11543	5.500	5.750	3.000	11636	11637	5.750	6.250	1.000	11730	11731
5.250	5.500	2.000	11544	11545	5.500	5.750	3.250	11638	11639	5.750	6.375	1.000	11732	11733
5.250	5.500	2.250	11546	11547	5.500	5.750	3.500	11640	11641	6.000	6.250	0.188	11734	11735
5.250	5.500	2.500	11548	11549	5.500	5.750	3.750	11642	11643	6.000	6.250	0.250	11736	11737
5.250	5.500	2.750	11550	11551	5.500	5.750	4.000	11644	11645	6.000	6.250	0.313	11738	11739
5.250	5.500	3.000	11552	11553	5.625	5.875	0.188	11646	11647	6.000	6.250	0.375	11740	11741
5.250	5.500	3.250	11554	11555	5.625	5.875	0.250	11648	11649	6.000	6.250	0.500	11742	11743
5.250	5.500	3.500	11556	11557	5.625	5.875	0.313	11650	11651	6.000	6.250	0.625	11744	11745
5.250	5.500	3.750	11558	11559	5.625	5.875	0.375	11652	11653	6.000	6.250	0.750	11746	11747
5.250	5.500	4.000	11560	11561	5.625	5.875	0.500	11654	11655	6.000	6.250	0.875	11748	11749
5.375	5.625	0.188	11562	11563	5.625	5.875	0.625	11656	11657	6.000	6.250	1.000	11750	11751
5.375	5.625	0.250	11564	11565	5.625	5.875	0.750	11658	11659	6.000	6.250	1.250	11752	11753
5.375	5.625	0.313	11566	11567	5.625	5.875	0.875	11660	11661	6.000	6.250	1.500	11754	11755
5.375	5.625	0.375	11568	11569	5.625	5.875	1.000	11662	11663	6.000	6.250	1.750	11756	11757
5.375	5.625	0.500	11570	11571	5.625	5.875	1.250	11664	11665	6.000	6.250	2.000	11758	11759
5.375	5.625	0.625	11572	11573	5.625	5.875	1.500	11666	11667	6.000	6.250	2.250	11760	11761
5.375	5.625	0.750	11574	11575	5.625	5.875	1.750	11668	11669	6.000	6.250	2.500	11762	11763
5.375	5.625	0.875	11576	11577	5.625	5.875	2.000	11670	11671	6.000	6.250	2.750	11764	11765
5.375	5.625	1.000	11578	11579	5.625	5.875	2.250	11672	11673	6.000	6.250	3.000	11766	11767
5.375	5.625	1.250	11580	11581	5.625	5.875	2.500	11674	11675	6.000	6.250	3.250	11768	11769
5.375	5.625	1.500	11582	11583	5.625	5.875	2.750	11676	11677	6.000	6.250	3.500	11770	11771
5.375	5.625	1.750	11584	11585	5.625	5.875	3.000	11678	11679	6.000	6.250	3.750	11772	11773
5.375	5.625	2.000	11586	11587	5.625	5.875	3.250	11680	11681	6.000	6.250	4.000	11774	11775
5.375	5.625	2.250	11588	11589	5.625	5.875	3.500	11682	11683	6.000	6.500	0.375	11776	11777
5.375	5.625	2.500	11590	11591	5.625	5.875	3.750	11684	11685	6.000	6.500	0.750	11778	11779
5.375	5.625	2.750	11592	11593	5.625	5.875	4.000	11686	11687	6.000	6.500	0.845	11780	11781
5.375	5.625	3.000	11594	11595	5.750	6.000	0.188	11688	11689	6.000	6.500	0.938	11782	11783
5.375	5.625	3.250	11596	11597	5.750	6.000	0.250	11690	11691	6.000	6.500	1.000	11784	11785
5.375	5.625	3.500	11598	11599	5.750	6.000	0.313	11692	11693	6.250	6.500	0.188	11786	11787
5.375	5.625	3.750	11600	11601	5.750	6.000	0.375	11694	11695	6.250	6.500	0.250	11788	11789
5.375	5.625	4.000	11602	11603	5.750	6.000	0.500	11696	11697	6.250	6.500	0.313	11790	11791
5.500	5.750	0.188	11604	11605	5.750	6.000	0.625	11698	11699	6.250	6.500	0.375	11792	11793

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 6.250–7.750 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
6.250	6.500	0.500	11794	11795	6.750	7.000	1.250	11888	11889	7.250	7.500	2.250	11982	11983
6.250	6.500	0.625	11796	11797	6.750	7.000	1.500	11890	11891	7.250	7.500	2.500	11984	11985
6.250	6.500	0.750	11798	11799	6.750	7.000	1.750	11892	11893	7.250	7.500	2.750	11986	11987
6.250	6.500	0.875	11800	11801	6.750	7.000	2.000	11894	11895	7.250	7.500	3.000	11988	11989
6.250	6.500	1.000	11802	11803	6.750	7.000	2.250	11896	11897	7.250	7.500	3.250	11990	11991
6.250	6.500	1.250	11804	11805	6.750	7.000	2.500	11898	11899	7.250	7.500	3.500	11992	11993
6.250	6.500	1.500	11806	11807	6.750	7.000	2.750	11900	11901	7.250	7.500	3.750	11994	11995
6.250	6.500	1.750	11808	11809	6.750	7.000	3.000	11902	11903	7.250	7.500	4.000	11996	11997
6.250	6.500	2.000	11810	11811	6.750	7.000	3.250	11904	11905	7.500	7.750	0.188	11998	11999
6.250	6.500	2.250	11812	11813	6.750	7.000	3.500	11906	11907	7.500	7.750	0.250	12000	12001
6.250	6.500	2.500	11814	11815	6.750	7.000	3.750	11908	11909	7.500	7.750	0.313	12002	12003
6.250	6.500	2.750	11816	11817	6.750	7.000	4.000	11910	11911	7.500	7.750	0.375	12004	12005
6.250	6.500	3.000	11818	11819	7.000	7.250	0.188	11912	11913	7.500	7.750	0.500	12006	12007
6.250	6.500	3.250	11820	11821	7.000	7.250	0.250	11914	11915	7.500	7.750	0.625	12008	12009
6.250	6.500	3.500	11822	11823	7.000	7.250	0.313	11916	11917	7.500	7.750	0.750	12010	12011
6.250	6.500	3.750	11824	11825	7.000	7.250	0.375	11918	11919	7.500	7.750	0.875	12012	12013
6.250	6.500	4.000	11826	11827	7.000	7.250	0.500	11920	11921	7.500	7.750	1.000	12014	12015
6.500	6.750	0.188	11828	11829	7.000	7.250	0.625	11922	11923	7.500	7.750	1.250	12016	12017
6.500	6.750	0.250	11830	11831	7.000	7.250	0.750	11924	11925	7.500	7.750	1.500	12018	12019
6.500	6.750	0.313	11832	11833	7.000	7.250	0.875	11926	11927	7.500	7.750	1.750	12020	12021
6.500	6.750	0.375	11834	11835	7.000	7.250	1.000	11928	11929	7.500	7.750	2.000	12022	12023
6.500	6.750	0.500	11836	11837	7.000	7.250	1.250	11930	11931	7.500	7.750	2.250	12024	12025
6.500	6.750	0.625	11838	11839	7.000	7.250	1.500	11932	11933	7.500	7.750	2.500	12026	12027
6.500	6.750	0.750	11840	11841	7.000	7.250	1.750	11934	11935	7.500	7.750	2.750	12028	12029
6.500	6.750	0.875	11842	11843	7.000	7.250	2.000	11936	11937	7.500	7.750	3.000	12030	12031
6.500	6.750	1.000	11844	11845	7.000	7.250	2.250	11938	11939	7.500	7.750	3.250	12032	12033
6.500	6.750	1.250	11846	11847	7.000	7.250	2.500	11940	11941	7.500	7.750	3.500	12034	12035
6.500	6.750	1.500	11848	11849	7.000	7.250	2.750	11942	11943	7.500	7.750	3.750	12036	12037
6.500	6.750	1.750	11850	11851	7.000	7.250	3.000	11944	11945	7.500	7.750	4.000	12038	12039
6.500	6.750	2.000	11852	11853	7.000	7.250	3.250	11946	11947	7.750	8.000	0.188	12040	12041
6.500	6.750	2.250	11854	11855	7.000	7.250	3.500	11948	11949	7.750	8.000	0.250	12042	12043
6.500	6.750	2.500	11856	11857	7.000	7.250	3.750	11950	11951	7.750	8.000	0.313	12044	12045
6.500	6.750	2.750	11858	11859	7.000	7.250	4.000	11952	11953	7.750	8.000	0.375	12046	12047
6.500	6.750	3.000	11860	11861	7.000	7.500	0.750	11954	11955	7.750	8.000	0.500	12048	12049
6.500	6.750	3.250	11862	11863	7.250	7.500	0.188	11956	11957	7.750	8.000	0.625	12050	12051
6.500	6.750	3.500	11864	11865	7.250	7.500	0.250	11958	11959	7.750	8.000	0.750	12052	12053
6.500	6.750	3.750	11866	11867	7.250	7.500	0.313	11960	11961	7.750	8.000	0.875	12054	12055
6.500	6.750	4.000	11868	11869	7.250	7.500	0.375	11962	11963	7.750	8.000	1.000	12056	12057
6.750	7.000	0.188	11870	11871	7.250	7.500	0.500	11964	11965	7.750	8.000	1.250	12058	12059
6.750	7.000	0.250	11872	11873	7.250	7.500	0.625	11966	11967	7.750	8.000	1.500	12060	12061
6.750	7.000	0.313	11874	11875	7.250	7.500	0.750	11968	11969	7.750	8.000	1.750	12062	12063
6.750	7.000	0.375	11876	11877	7.250	7.500	0.875	11970	11971	7.750	8.000	2.000	12064	12065
6.750	7.000	0.500	11878	11879	7.250	7.500	1.000	11972	11973	7.750	8.000	2.250	12066	12067
6.750	7.000	0.625	11880	11881	7.250	7.500	1.250	11974	11975	7.750	8.000	2.500	12068	12069
6.750	7.000	0.750	11882	11883	7.250	7.500	1.500	11976	11977	7.750	8.000	2.750	12070	12071
6.750	7.000	0.875	11884	11885	7.250	7.500	1.750	11978	11979	7.750	8.000	3.000	12072	12073
6.750	7.000	1.000	11886	11887	7.250	7.500	2.000	11980	11981	7.750	8.000	3.250	12074	12075

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 7.750–9.250 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
7.750	8.000	3.500	12076	12077	8.500	8.750	0.188	12170	12171	8.875	9.125	0.625	12264	12265
7.750	8.000	3.750	12078	12079	8.500	8.750	0.250	12172	12173	8.875	9.125	0.750	12266	12267
7.750	8.000	4.000	12080	12081	8.500	8.750	0.313	12174	12175	8.875	9.125	0.875	12268	12269
8.000	8.250	0.188	12082	12083	8.500	8.750	0.375	12176	12177	8.875	9.125	1.000	12270	12271
8.000	8.250	0.250	12084	12085	8.500	8.750	0.500	12178	12179	8.875	9.125	1.250	12272	12273
8.000	8.250	0.313	12086	12087	8.500	8.750	0.625	12180	12181	8.875	9.125	1.500	12274	12275
8.000	8.250	0.375	12088	12089	8.500	8.750	0.750	12182	12183	8.875	9.125	1.750	12276	12277
8.000	8.250	0.500	12090	12091	8.500	8.750	0.875	12184	12185	8.875	9.125	2.000	12278	12279
8.000	8.250	0.625	12092	12093	8.500	8.750	1.000	12186	12187	8.875	9.125	2.250	12280	12281
8.000	8.250	0.750	12094	12095	8.500	8.750	1.250	12188	12189	8.875	9.125	2.500	12282	12283
8.000	8.250	0.875	12096	12097	8.500	8.750	1.500	12190	12191	8.875	9.125	2.750	12284	12285
8.000	8.250	1.000	12098	12099	8.500	8.750	1.750	12192	12193	8.875	9.125	3.000	12286	12287
8.000	8.250	1.250	12100	12101	8.500	8.750	2.000	12194	12195	8.875	9.125	3.250	12288	12289
8.000	8.250	1.500	12102	12103	8.500	8.750	2.250	12196	12197	8.875	9.125	3.500	12290	12291
8.000	8.250	1.750	12104	12105	8.500	8.750	2.500	12198	12199	8.875	9.125	3.750	12292	12293
8.000	8.250	2.000	12106	12107	8.500	8.750	2.750	12200	12201	8.875	9.125	4.000	12294	12295
8.000	8.250	2.250	12108	12109	8.500	8.750	3.000	12202	12203	9.000	9.250	0.188	12296	12297
8.000	8.250	2.500	12110	12111	8.500	8.750	3.250	12204	12205	9.000	9.250	0.250	12298	12299
8.000	8.250	2.750	12112	12113	8.500	8.750	3.500	12206	12207	9.000	9.250	0.313	12300	12301
8.000	8.250	3.000	12114	12115	8.500	8.750	3.750	12208	12209	9.000	9.250	0.375	12302	12303
8.000	8.250	3.250	12116	12117	8.500	8.750	4.000	12210	12211	9.000	9.250	0.500	12304	12305
8.000	8.250	3.500	12118	12119	8.750	9.000	0.188	12212	12213	9.000	9.250	0.625	12306	12307
8.000	8.250	3.750	12120	12121	8.750	9.000	0.250	12214	12215	9.000	9.250	0.750	12308	12309
8.000	8.250	4.000	12122	12123	8.750	9.000	0.313	12216	12217	9.000	9.250	0.875	12310	12311
8.000	8.500	0.750	12124	12125	8.750	9.000	0.375	12218	12219	9.000	9.250	1.000	12312	12313
8.250	8.500	0.188	12126	12127	8.750	9.000	0.500	12220	12221	9.000	9.250	1.250	12314	12315
8.250	8.500	0.250	12128	12129	8.750	9.000	0.625	12222	12223	9.000	9.250	1.500	12316	12317
8.250	8.500	0.313	12130	12131	8.750	9.000	0.750	12224	12225	9.000	9.250	1.750	12318	12319
8.250	8.500	0.375	12132	12133	8.750	9.000	0.875	12226	12227	9.000	9.250	2.000	12320	12321
8.250	8.500	0.500	12134	12135	8.750	9.000	1.000	12228	12229	9.000	9.250	2.250	12322	12323
8.250	8.500	0.625	12136	12137	8.750	9.000	1.250	12230	12231	9.000	9.250	2.500	12324	12325
8.250	8.500	0.750	12138	12139	8.750	9.000	1.500	12232	12233	9.000	9.250	2.750	12326	12327
8.250	8.500	0.875	12140	12141	8.750	9.000	1.750	12234	12235	9.000	9.250	3.000	12328	12329
8.250	8.500	1.000	12142	12143	8.750	9.000	2.000	12236	12237	9.000	9.250	3.250	12330	12331
8.250	8.500	1.250	12144	12145	8.750	9.000	2.250	12238	12239	9.000	9.250	3.500	12332	12333
8.250	8.500	1.500	12146	12147	8.750	9.000	2.500	12240	12241	9.000	9.250	3.750	12334	12335
8.250	8.500	1.750	12148	12149	8.750	9.000	2.750	12242	12243	9.000	9.250	4.000	12336	12337
8.250	8.500	2.000	12150	12151	8.750	9.000	3.000	12244	12245	9.000	9.750	0.750	12338	12339
8.250	8.500	2.250	12152	12153	8.750	9.000	3.250	12246	12247	9.250	9.500	0.188	12340	12341
8.250	8.500	2.500	12154	12155	8.750	9.000	3.500	12248	12249	9.250	9.500	0.250	12342	12343
8.250	8.500	2.750	12156	12157	8.750	9.000	3.750	12250	12251	9.250	9.500	0.313	12344	12345
8.250	8.500	3.000	12158	12159	8.750	9.000	4.000	12252	12253	9.250	9.500	0.375	12346	12347
8.250	8.500	3.250	12160	12161	8.875	9.125	0.188	12254	12255	9.250	9.500	0.500	12348	12349
8.250	8.500	3.500	12162	12163	8.875	9.125	0.250	12256	12257	9.250	9.500	0.625	12350	12351
8.250	8.500	3.750	12164	12165	8.875	9.125	0.313	12258	12259	9.250	9.500	0.750	12352	12353
8.250	8.500	4.000	12166	12167	8.875	9.125	0.375	12260	12261	9.250	9.500	0.875	12354	12355
8.250	9.000	0.750	12168	12169	8.875	9.125	0.500	12262	12263	9.250	9.500	1.000	12356	12357

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 9.250–11.750 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
9.250	9.500	1.250	12358	12359	9.750	10.000	2.250	12452	12453	10.250	10.500	3.500	12546	12547
9.250	9.500	1.500	12360	12361	9.750	10.000	2.500	12454	12455	10.250	10.500	3.750	12548	12549
9.250	9.500	1.750	12362	12363	9.750	10.000	2.750	12456	12457	10.250	10.500	4.000	12550	12551
9.250	9.500	2.000	12364	12365	9.750	10.000	3.000	12458	12459	10.750	11.000	0.188	12552	12553
9.250	9.500	2.250	12366	12367	9.750	10.000	3.250	12460	12461	10.750	11.000	0.250	12554	12555
9.250	9.500	2.500	12368	12369	9.750	10.000	3.500	12462	12463	10.750	11.000	0.313	12556	12557
9.250	9.500	2.750	12370	12371	9.750	10.000	3.750	12464	12465	10.750	11.000	0.375	12558	12559
9.250	9.500	3.000	12372	12373	9.750	10.000	4.000	12466	12467	10.750	11.000	0.500	12560	12561
9.250	9.500	3.250	12374	12375	10.000	10.250	0.188	12468	12469	10.750	11.000	0.625	12562	12563
9.250	9.500	3.500	12376	12377	10.000	10.250	0.250	12470	12471	10.750	11.000	0.750	12564	12565
9.250	9.500	3.750	12378	12379	10.000	10.250	0.313	12472	12473	10.750	11.000	0.875	12566	12567
9.250	9.500	4.000	12380	12381	10.000	10.250	0.375	12474	12475	10.750	11.000	1.000	12568	12569
9.375	10.000	1.000	12382	12383	10.000	10.250	0.500	12476	12477	10.750	11.000	1.250	12570	12571
9.500	9.750	0.188	12384	12385	10.000	10.250	0.625	12478	12479	10.750	11.000	1.500	12572	12573
9.500	9.750	0.250	12386	12387	10.000	10.250	0.750	12480	12481	10.750	11.000	1.750	12574	12575
9.500	9.750	0.313	12388	12389	10.000	10.250	0.875	12482	12483	10.750	11.000	2.000	12576	12577
9.500	9.750	0.375	12390	12391	10.000	10.250	1.000	12484	12485	10.750	11.000	2.250	12578	12579
9.500	9.750	0.500	12392	12393	10.000	10.250	1.250	12486	12487	10.750	11.000	2.500	12580	12581
9.500	9.750	0.625	12394	12395	10.000	10.250	1.500	12488	12489	10.750	11.000	2.750	12582	12583
9.500	9.750	0.750	12396	12397	10.000	10.250	1.750	12490	12491	10.750	11.000	3.000	12584	12585
9.500	9.750	0.875	12398	12399	10.000	10.250	2.000	12492	12493	10.750	11.000	3.250	12586	12587
9.500	9.750	1.000	12400	12401	10.000	10.250	2.250	12494	12495	10.750	11.000	3.500	12588	12589
9.500	9.750	1.250	12402	12403	10.000	10.250	2.500	12496	12497	10.750	11.000	3.750	12590	12591
9.500	9.750	1.500	12404	12405	10.000	10.250	2.750	12498	12499	10.750	11.000	4.000	12592	12593
9.500	9.750	1.750	12406	12407	10.000	10.250	3.000	12500	12501	11.250	11.500	0.188	12594	12595
9.500	9.750	2.000	12408	12409	10.000	10.250	3.250	12502	12503	11.250	11.500	0.250	12596	12597
9.500	9.750	2.250	12410	12411	10.000	10.250	3.500	12504	12505	11.250	11.500	0.313	12598	12599
9.500	9.750	2.500	12412	12413	10.000	10.250	3.750	12506	12507	11.250	11.500	0.375	12600	12601
9.500	9.750	2.750	12414	12415	10.000	10.250	4.000	12508	12509	11.250	11.500	0.500	12602	12603
9.500	9.750	3.000	12416	12417	10.250	10.500	0.188	12510	12511	11.250	11.500	0.625	12604	12605
9.500	9.750	3.250	12418	12419	10.250	10.500	0.250	12512	12513	11.250	11.500	0.750	12606	12607
9.500	9.750	3.500	12420	12421	10.250	10.500	0.313	12514	12515	11.250	11.500	0.875	12608	12609
9.500	9.750	3.750	12422	12423	10.250	10.500	0.375	12516	12517	11.250	11.500	1.000	12610	12611
9.500	9.750	4.000	12424	12425	10.250	10.500	0.500	12518	12519	11.250	11.500	1.250	12612	12613
9.750	10.000	0.188	12426	12427	10.250	10.500	0.625	12520	12521	11.250	11.500	1.500	12614	12615
9.750	10.000	0.250	12428	12429	10.250	10.500	0.750	12522	12523	11.250	11.500	1.750	12616	12617
9.750	10.000	0.313	12430	12431	10.250	10.500	0.875	12524	12525	11.250	11.500	2.000	12618	12619
9.750	10.000	0.375	12432	12433	10.250	10.500	1.000	12526	12527	11.250	11.500	2.250	12620	12621
9.750	10.000	0.500	12434	12435	10.250	10.500	1.250	12528	12529	11.250	11.500	2.500	12622	12623
9.750	10.000	0.625	12436	12437	10.250	10.500	1.500	12530	12531	11.250	11.500	2.750	12624	12625
9.750	10.000	0.750	12438	12439	10.250	10.500	1.750	12532	12533	11.250	11.500	3.000	12626	12627
9.750	10.000	0.875	12440	12441	10.250	10.500	2.000	12534	12535	11.250	11.500	3.250	12628	12629
9.750	10.000	1.000	12442	12443	10.250	10.500	2.250	12536	12537	11.250	11.500	3.500	12630	12631
9.750	10.000	1.250	12444	12445	10.250	10.500	2.500	12538	12539	11.250	11.500	3.750	12632	12633
9.750	10.000	1.500	12446	12447	10.250	10.500	2.750	12540	12541	11.250	11.500	4.000	12634	12635
9.750	10.000	1.750	12448	12449	10.250	10.500	3.000	12542	12543	11.750	12.000	0.188	12636	12637
9.750	10.000	2.000	12450	12451	10.250	10.500	3.250	12544	12545	11.750	12.000	0.250	12638	12639

HEAVY DUTY GUIDE BANDS: INCH SERIES

TA100 MATERIAL

d 11.750–23.750 in

Part numbers for TA100. Dimensions in inches. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **H** band height; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	H	WB45	WB90	d	D	H	WB45	WB90	d	D	H	WB45	WB90
11.750	12.000	0.313	12640	12641	12.750	13.000	0.875	12734	12735	13.750	14.000	2.000	12828	12829
11.750	12.000	0.375	12642	12643	12.750	13.000	1.000	12736	12737	13.750	14.000	2.250	12830	12831
11.750	12.000	0.500	12644	12645	12.750	13.000	1.250	12738	12739	13.750	14.000	2.500	12832	12833
11.750	12.000	0.625	12646	12647	12.750	13.000	1.500	12740	12741	13.750	14.000	2.750	12834	12835
11.750	12.000	0.750	12648	12649	12.750	13.000	1.750	12742	12743	13.750	14.000	3.000	12836	12837
11.750	12.000	0.875	12650	12651	12.750	13.000	2.000	12744	12745	13.750	14.000	3.250	12838	12839
11.750	12.000	1.000	12652	12653	12.750	13.000	2.250	12746	12747	13.750	14.000	3.500	12840	12841
11.750	12.000	1.250	12654	12655	12.750	13.000	2.500	12748	12749	13.750	14.000	3.750	12842	12843
11.750	12.000	1.500	12656	12657	12.750	13.000	2.750	12750	12751	13.750	14.000	4.000	12844	12845
11.750	12.000	1.750	12658	12659	12.750	13.000	3.000	12752	12753	15.750	16.000	1.000	12846	12847
11.750	12.000	2.000	12660	12661	12.750	13.000	3.250	12754	12755	15.750	16.000	1.250	12848	12849
11.750	12.000	2.250	12662	12663	12.750	13.000	3.500	12756	12757	15.750	16.000	1.500	12850	12851
11.750	12.000	2.500	12664	12665	12.750	13.000	3.750	12758	12759	15.750	16.000	1.750	12852	12853
11.750	12.000	2.750	12666	12667	12.750	13.000	4.000	12760	12761	15.750	16.000	2.000	12854	12855
11.750	12.000	3.000	12668	12669	13.250	13.500	0.188	12762	12763	17.750	18.000	1.000	12856	12857
11.750	12.000	3.250	12670	12671	13.250	13.500	0.250	12764	12765	17.750	18.000	1.250	12858	12859
11.750	12.000	3.500	12672	12673	13.250	13.500	0.313	12766	12767	17.750	18.000	1.500	12860	12861
11.750	12.000	3.750	12674	12675	13.250	13.500	0.375	12768	12769	17.750	18.000	1.750	12862	12863
11.750	12.000	4.000	12676	12677	13.250	13.500	0.500	12770	12771	17.750	18.000	2.000	12864	12865
12.250	12.500	0.188	12678	12679	13.250	13.500	0.625	12772	12773	19.750	20.000	1.000	12866	12867
12.250	12.500	0.250	12680	12681	13.250	13.500	0.750	12774	12775	19.750	20.000	1.250	12868	12869
12.250	12.500	0.313	12682	12683	13.250	13.500	0.875	12776	12777	19.750	20.000	1.500	12870	12871
12.250	12.500	0.375	12684	12685	13.250	13.500	1.000	12778	12779	19.750	20.000	1.750	12872	12873
12.250	12.500	0.500	12686	12687	13.250	13.500	1.250	12780	12781	19.750	20.000	2.000	12874	12875
12.250	12.500	0.625	12688	12689	13.250	13.500	1.500	12782	12783	21.750	22.000	1.000	12876	12877
12.250	12.500	0.750	12690	12691	13.250	13.500	1.750	12784	12785	21.750	22.000	1.250	12878	12879
12.250	12.500	0.875	12692	12693	13.250	13.500	2.000	12786	12787	21.750	22.000	1.500	12880	12881
12.250	12.500	1.000	12694	12695	13.250	13.500	2.250	12788	12789	21.750	22.000	1.750	12882	12883
12.250	12.500	1.250	12696	12697	13.250	13.500	2.500	12790	12791	21.750	22.000	2.000	12884	12885
12.250	12.500	1.500	12698	12699	13.250	13.500	2.750	12792	12793	23.750	24.000	1.000	12886	12887
12.250	12.500	1.750	12700	12701	13.250	13.500	3.000	12794	12795	23.750	24.000	1.250	12888	12889
12.250	12.500	2.000	12702	12703	13.250	13.500	3.250	12796	12797	23.750	24.000	1.500	12890	12891
12.250	12.500	2.250	12704	12705	13.250	13.500	3.500	12798	12799	23.750	24.000	1.750	12892	12893
12.250	12.500	2.500	12706	12707	13.250	13.500	3.750	12800	12801	23.750	24.000	2.000	12894	12895
12.250	12.500	2.750	12708	12709	13.250	13.500	4.000	12802	12803					
12.250	12.500	3.000	12710	12711	13.750	14.000	0.188	12804	12805					
12.250	12.500	3.250	12712	12713	13.750	14.000	0.250	12806	12807					
12.250	12.500	3.500	12714	12715	13.750	14.000	0.313	12808	12809					
12.250	12.500	3.750	12716	12717	13.750	14.000	0.375	12810	12811					
12.250	12.500	4.000	12718	12719	13.750	14.000	0.500	12812	12813					
12.750	13.000	0.188	12720	12721	13.750	14.000	0.625	12814	12815					
12.750	13.000	0.250	12722	12723	13.750	14.000	0.750	12816	12817					
12.750	13.000	0.313	12724	12725	13.750	14.000	0.875	12818	12819					
12.750	13.000	0.375	12726	12727	13.750	14.000	1.000	12820	12821					
12.750	13.000	0.500	12728	12729	13.750	14.000	1.250	12822	12823					
12.750	13.000	0.625	12730	12731	13.750	14.000	1.500	12824	12825					
12.750	13.000	0.750	12732	12733	13.750	14.000	1.750	12826	12827					

HEAVY DUTY GUIDE BANDS: METRIC SERIES

TA100 MATERIAL

d 11–1600 mm

Part numbers for TA100. Dimensions in millimeters. **d** rod diameter (rod bands) or groove diameter (piston bands); **D** groove diameter (rod bands) or cylinder bore (piston bands); **L** width; **WB45 / WB90** part numbers for the 45° skive cut and the 90° butt cut (page 7). Other grades and sizes by request.

d	D	L	WB45	WB90	d	D	L	WB45	WB90	d	D	L	WB45	WB90
11.00	16.00	5.60	12896	12897	43.40	50.00	12.60	12990	12991	190.00	195.00	9.70	13084	13085
13.00	18.00	5.60	12898	12899	44.00	47.00	9.70	12992	12993	195.00	200.00	9.70	13086	13087
15.00	18.10	4.00	12900	12901	45.00	50.00	5.60	12994	12995	200.00	205.00	9.70	13088	13089
15.00	20.00	5.60	12902	12903	46.00	51.00	9.70	12996	12997	210.00	215.00	9.70	13090	13091
16.00	19.00	15.00	12904	12905	47.00	52.00	5.60	12998	12999	215.00	220.00	9.70	13092	13093
17.00	20.00	5.60	12906	12907	48.00	53.00	9.70	13000	13001	220.00	225.00	15.00	13094	13095
17.00	22.00	5.60	12908	12909	50.00	55.00	5.60	13002	13003	230.00	235.00	15.00	13096	13097
19.00	22.00	5.60	12910	12911	51.00	56.00	5.60	13004	13005	240.00	245.00	15.00	13098	13099
20.00	25.00	8.00	12912	12913	53.00	58.00	5.60	13006	13007	241.30	246.30	25.00	13100	13101
21.00	24.00	4.00	12914	12915	54.00	59.00	9.70	13008	13009	245.00	250.00	15.00	13102	13103
22.00	25.00	5.60	12916	12917	55.00	60.00	5.60	13010	13011	250.00	255.00	15.00	13104	13105
22.00	27.00	9.70	12918	12919	55.30	63.30	25.00	13012	13013	255.00	260.00	15.00	13106	13107
24.90	28.10	10.30	12920	12921	56.00	60.00	5.60	13014	13015	260.00	265.00	15.00	13108	13109
25.00	28.00	5.60	12922	12923	56.00	61.00	5.60	13016	13017	270.00	275.00	15.00	13110	13111
25.00	28.10	4.20	12924	12925	56.00	62.00	9.70	13018	13019	275.00	280.00	15.00	13112	13113
25.00	30.00	9.70	12926	12927	57.00	62.00	5.60	13020	13021	280.00	285.00	15.00	13114	13115
27.00	30.00	5.60	12928	12929	58.00	63.00	5.60	13022	13023	280.00	288.00	25.00	13116	13117
27.00	32.00	5.60	12930	12931	60.00	63.00	3.50	13024	13025	290.00	295.00	15.00	13118	13119
27.00	35.00	15.00	12932	12933	60.00	65.00	5.60	13026	13027	295.00	300.00	15.00	13120	13121
28.00	31.00	5.60	12934	12935	63.00	68.00	5.60	13028	13029	300.00	305.00	15.00	13122	13123
28.00	31.10	4.00	12936	12937	65.00	69.00	8.00	13030	13031	302.00	310.00	25.00	13124	13125
28.00	33.00	5.60	12938	12939	65.00	70.00	5.60	13032	13033	310.00	315.00	15.00	13126	13127
28.90	32.00	4.00	12940	12941	69.00	74.00	5.60	13034	13035	315.00	320.00	15.00	13128	13129
29.00	32.00	5.60	12942	12943	70.00	75.00	5.60	13036	13037	320.00	325.00	15.00	13130	13131
29.00	34.00	5.60	12944	12945	75.00	80.00	9.70	13038	13039	330.00	335.00	25.00	13132	13133
30.00	33.00	5.60	12946	12947	80.00	85.00	9.70	13040	13041	335.00	340.00	15.00	13134	13135
30.00	35.00	5.60	12948	12949	85.00	90.00	9.70	13042	13043	340.00	345.00	15.00	13136	13137
31.00	36.00	5.60	12950	12951	90.00	95.00	5.60	13044	13045	350.00	355.00	15.00	13138	13139
32.00	35.00	5.60	12952	12953	95.00	100.00	9.70	13046	13047	355.00	360.00	15.00	13140	13141
32.00	37.00	9.70	12954	12955	100.00	105.00	9.70	13048	13049	360.00	365.00	15.00	13142	13143
33.00	36.00	5.60	12956	12957	105.00	110.00	9.70	13050	13051	395.00	400.00	15.00	13144	13145
34.00	39.00	5.60	12958	12959	110.00	115.00	9.70	13052	13053	400.00	405.00	15.00	13146	13147
35.00	38.00	5.60	12960	12961	115.00	120.00	9.70	13054	13055	800.00	805.00	25.00	13148	13149
35.00	40.00	5.60	12962	12963	120.00	125.00	9.70	13056	13057	800.00	808.00	25.00	13150	13151
35.00	45.00	15.00	12964	12965	125.00	130.00	25.00	13058	13059	995.00	1000.00	25.00	13152	13153
36.00	39.00	5.60	12966	12967	130.00	135.00	15.00	13060	13061	1000.00	1005.00	25.00	13154	13155
36.00	41.00	5.60	12968	12969	135.00	140.00	9.70	13062	13063	1000.00	1008.00	25.00	13156	13157
36.90	40.00	4.00	12970	12971	140.00	145.00	9.70	13064	13065	1050.00	1058.00	25.00	13158	13159
37.00	42.00	5.60	12972	12973	145.00	150.00	9.70	13066	13067	1150.00	1158.00	25.00	13160	13161
38.00	41.00	5.60	12974	12975	150.00	155.00	9.70	13068	13069	1242.00	1250.00	25.00	13162	13163
39.00	44.00	25.00	12976	12977	155.00	160.00	9.70	13070	13071	1493.70	1501.70	25.00	13164	13165
40.00	44.00	25.00	12978	12979	160.00	165.00	9.70	13072	13073	1600.00	1608.00	10.20	13166	13167
40.00	45.00	9.70	12980	12981	165.00	170.00	9.70	13074	13075					
40.00	50.00	6.00	12982	12983	170.00	175.00	15.00	13076	13077					
41.00	46.00	9.70	12984	12985	175.00	180.00	9.70	13078	13079					
42.00	47.00	5.60	12986	12987	180.00	185.00	9.70	13080	13081					
43.00	48.00	5.60	12988	12989	185.00	190.00	9.70	13082	13083					

CONTACT AND SUPPORT

TRIBOTECH COMPOSITES

Tribotech Composites is an ISO 9001-certified manufacturer based in Cleveland, Ohio, specializing in custom-engineered composite bushings, wear rings and guide bearings. Our proprietary composite materials offer exceptional load capacity, wear resistance and self-lubrication, making them ideal for harsh environments across industries including marine, hydropower, oil and gas, and industrial machinery.

We work closely with OEMs to deliver precision-machined composite components designed for performance and durability. Whether you need a custom solution or an off-the-shelf part, Tribotech delivers reliable results on time, every time.

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