

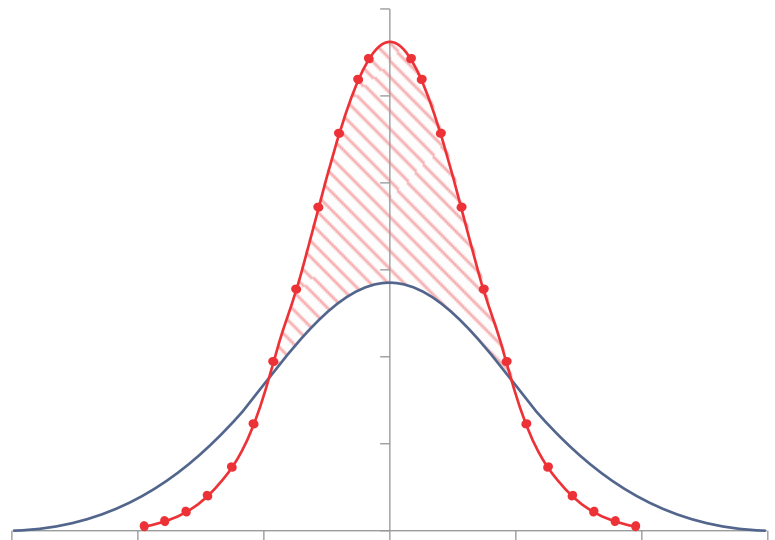
Top Rollers

TeraSpin, a business unit of A.T.E. Enterprises Private Limited, manufactures high precision spinning machinery components based on the proven SKF technology at its state-of-the-art facility in Ahmedabad, India. This facility, which was setup in May 2012 after TeraSpin's acquisition of SKF India's textile spinning components business, is certified for ISO9001 (quality management system), ISO14001 (environment management system) and OHSAS 18001 (occupation health & safety system).

The TeraSpin facility has been manufacturing a wide range of high quality top rollers suitable for different makes of speed frames and ring frames. These top rollers are manufactured extremely close to the nominal values of the specifications in order to achieve the TeraSpin goals of 'zero defect' and 'right the first time'. Thus, the TeraSpin manufacturing policy is significantly different from most other manufacturers who produce these components within wider tolerance limits.

— Usual distribution curve for products manufactured within the tolerance limit

— A peaked bell curve for TeraSpin products shows a much higher proportion manufactured close to the exact dimensions

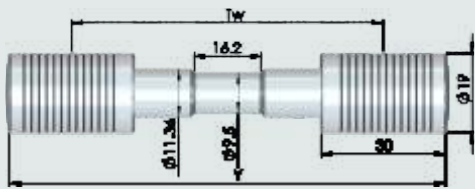


The clear benefits:

- better performance
- improved life
- low maintenance
- reduced yarn imperfections

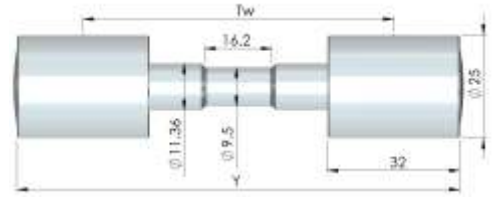
The TeraSpin advantage:

- Radial clearance maintained close to the nominal value rather than within a wider range
- Double row ball bearings with small ball diameter for high load bearing capacity
- Pre-filled with precisely metered grease to last for years
- Leak-proof seals for trouble free working



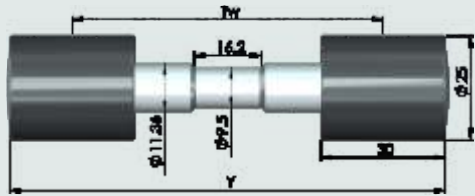
Application: Top roller for short staple ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP302-68.4	68.4	98.4
LP302-75	75	105
LP302-82.5	82.5	112.5



Application: Apron top roller for short staple ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP303-68.4	68.4	100.4
LP303-75	75	107
LP303-82.5	82.5	114.5

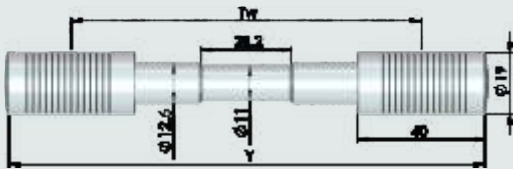
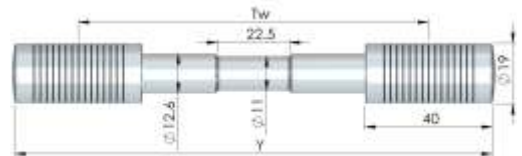


Application: Apron top roller with polymer sleeve for short staple ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LPS3681	68.4	98.4
LPS3751	75	105
LPS821	82.5	112.5

Application: Top roller for roving frame

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP315-110	110	150

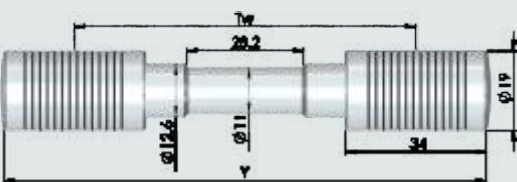
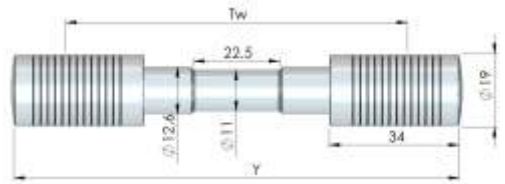


Application: Apron top roller for short staple roving frame

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP317-110	110	150

Application: Top roller for worsted ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP314-75	75	109
LP314-82.5	82.5	116.5

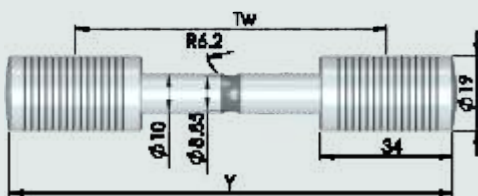
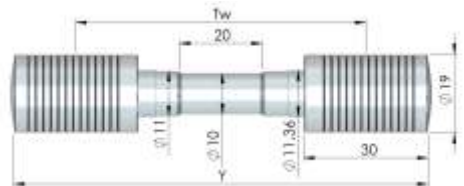


Application: Apron top roller for worsted ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP316-75	75	109
LP316-82.5	82.5	116.5

Application: Top roller for Rieter ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP302-70RLM	70	100

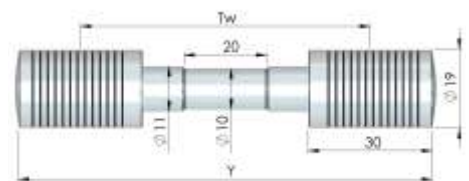


Application: Top roller for Rieter and LMW ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP302-70G	70	104
LP302-80G	80	114
LP302-90G	90	124

Application: Top roller for Rieter and LMW ring spinning machine

Top rollers	Gauge Tw (mm)	Dimensions Y (mm)
LP302-70	70	100



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