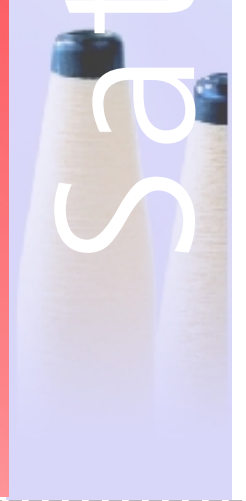
# Striving for Quality in Ring Spinning





Yarn Spinning

Change Perspective

the X-axis
OCL

To achieve satisfaction from
the quality of your spun yarn,
it is necessary for quality spinners,
to change their perspective
of selecting spinning rings

# Yarn Spinning by - Rings

OUTPUT CONSISTENCY LONGEVITY

OCL

Role of the Spinning Rings is known since the inception of Yarn Spinning by Rings. In the process of commercialisation and competition many a times the ring's individual contribution is overlooked.

Our in-house studies indicate it has its direct effect on Spinning Output, Consistency and longevity of not only rings but spinning, weaving, knitting, dying and finishing, which can disturb any quality spinner.

To produce better quality yarn, it is necessary for quality spinners to change their perspective of selecting spinning rings

# Yarn Spinning Rings …

## Significance



OCL

OUTPUT CONSISTENCY LONGEVITY

Significance of Spinning Rings is indirectly providing a perfectly engineered path, for traveller in providing twist to the yarn and then winding the yarn. Its direct significance can be seen in perfect Cop building. As the drafted fiber strand passes through different physical phenomenon here, which reflects in formation of the final Yarn. It is here that the quality of ring compensates the Torsional Force on fiber strand without influencing the twisting, winding and spinning tension, that contributes in producing international class Yarn and globally accepted perfect Cop after Cop after Cop.

The challenge of quality is not only in bettering output but to bring consistency in this bettered output i.e. producing quality without (significant) variation throughout its operational life. At X-axis we are working together to provide this Consistency in producing Yarn, on which spinners can rely and feel satisfied, producing good quality Yarn.

Its molecular structure of processed steel outruns in quality and length of life that helps to optimise the spinning machine efficiency. Thus, it gives longevity to Spinning, Weaving, Knitting, Dying and Finishing.

These suggest that the quality and selection of Spinning Rings should be judged only in the light of its Output, Consistency and Longevity.

# Spinning Rings …

the X-axis

OCL

OUTPUT CONSISTENCY LONGEVITY

The X-axis rings are manufactured by employing precision engineering and latest technologies, with the focussed objective of Output, Consistency and Longevity in mind. This is measured in its Output and Consistency and experienced in its Longevity.

The X-axis is committed to making a difference … enhancing the quality of spinning yarn … changing the yarn spinning by rings parameters.

**Change Perspective**

To produce better quality yarn, it is necessary for quality spinners to change their perspective of selecting spinning rings

New Generation Spinning Rings

the X-axis

Presenting:

# XL-C

Spinning around
the axis of :
Output Consistency Longevity.

# Get More VALUE Rings

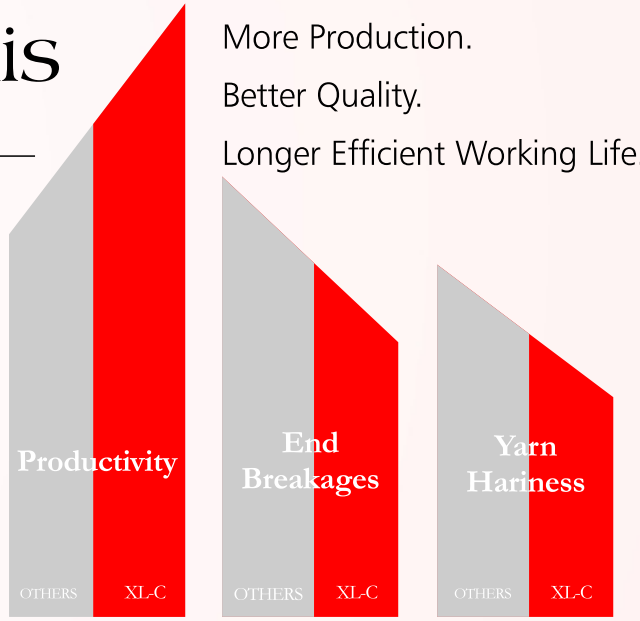
## XL-C

the X-axis

OCL

New generation Spinning Rings for new generation of spinning machines. XL-C classic rings are beneficial for optimising productivity and quality of any Yarn. It reduces Yarn Hairiness and End Breakages. Helps to produce better quality Yarn.

More Production.
Better Quality.
Longer Efficient Working Life.



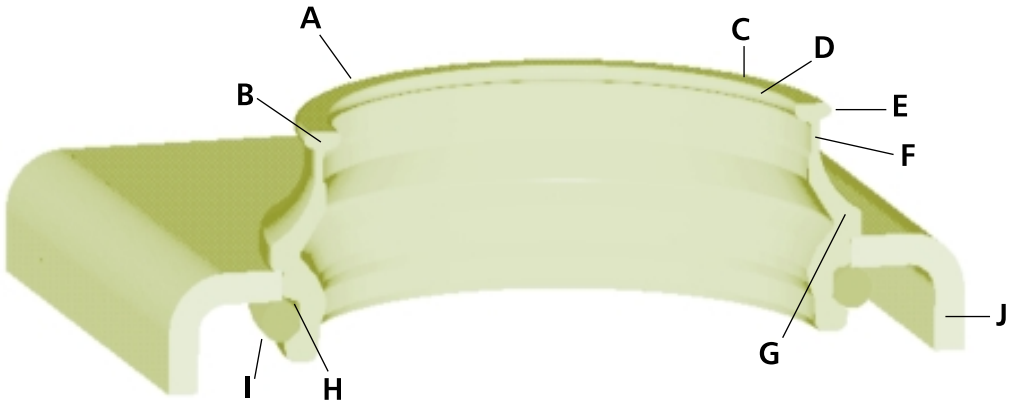

### Types of Rings

Adapter Fitting -
Inside Ring Dia x Fitting Dia (mm)
36x47, 38x47, 38x51,
40x47, 40x51,
42x51, 42x54, 45x54.

Spring Fitting -
Inside Ring Dia x Fitting Dia (mm)
36x43, 38x45, 40x47,
42x49, 45x52, 40x50.8,
42x50.8, 45x50.8, 45x53.8.

# Designation of Ring Parts

## Non-Reversible Flange Rings




A = TRAVELLER PATH
B = FLANGE
C = FLANGE TOP
D = INSIDE FLANGE
E = OUTSIDE FLANGE
F = WEB
G = SHOULDER
H = CIRCLIP GROOVE
I = CIRCLIP
J = RING RAIL



# Ring Shapes

## Aluminum Holder with Circlip Fitting

## Aluminum Aapter Fitting

## Circlip Fitting

## Conical Nut Fitting

# Ring Fitting Methods

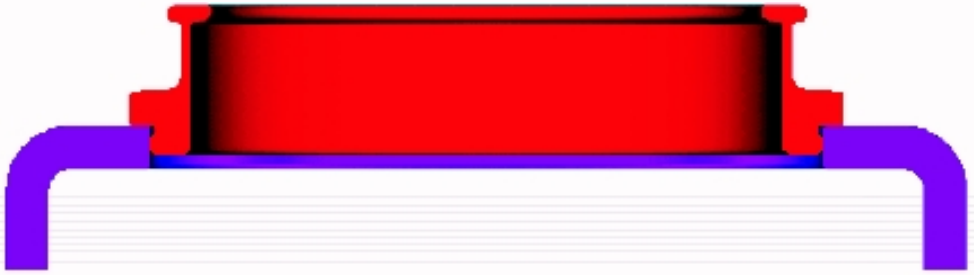
Aluminum Holder with Circlip Fitting

Aluminum Adapter Fitting

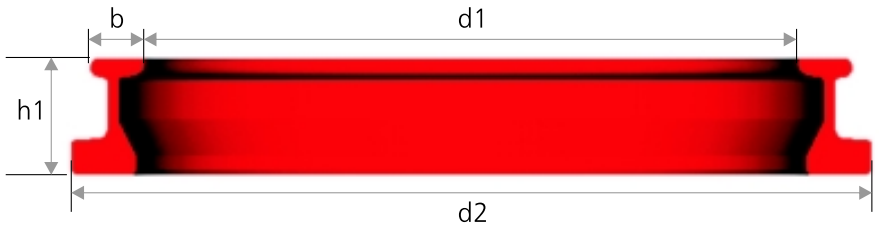
Circlip Fitting

Conical Nut Fitting

Press Fit



# Aluminum Adapter Fitting

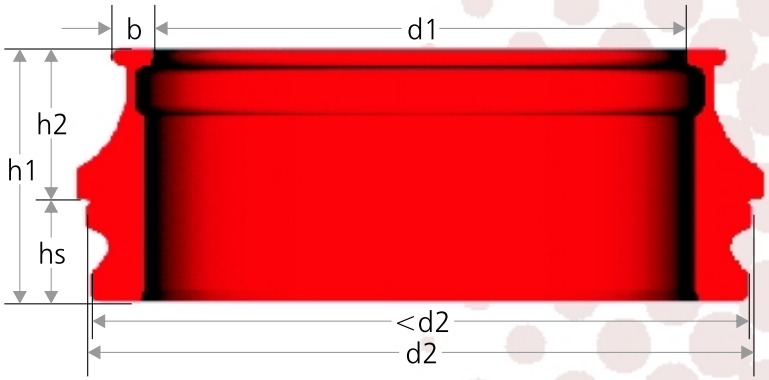



b = flange width
Flange 1 = 3.2mm
Flange 2 = 4.0 / 4.1mm
d1 = inside ring diameter
d2 = fitting diameter
h1 = ring height

| d1mm | Flange 1 d2mm | Flange 2 d2mm | Deviation limits of fiting ø for d2 in mm |
|---|---|---|---|
| 36 | 47 | – | – |
| 38 | 47 | – | – |
| 38 | 51 | – | – |
| 40 | 47 | – | 0.0 |
| 40 | 51 | – | -0.2 |
| 42 | 51 | – | – |
| 42 | 54 | – | – |
| 45 | 54 | 54 | – |



# Circlip Fitting




b = flange width
Flange 1 = 3.2mm
Flange 2 = 4.0 / 4.1mm
d1 = inside ring diameter
d2 = fitting diameter
h1 = ring height
h2 = ring height above ring rail
hs = fitting height

| d1mm | Flange 1 d2mm | Flange 2 d2mm | Deviation limits of fiting ø for d2 in mm |
|---|---|---|---|
| 36 | 43 | – | – |
| 38 | 45 | – | – |
| 40 | 47 | – | – |
| 42 | 49 | – | 0.0 |
| 45 | 52 | – | -0.2 |
| 40 | 50.8 | – | – |
| 42 | 50.8 | – | – |
| 45 | 50.8 | 50.8 | – |
| 45 | 53.8 | 53.8 | – |

Yarn Spinning Rings

the X-axis



Rimtex Engineering Pvt. Ltd.

Manufacturers of new generation Spinning Rings

the X-axis

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Lets promote Quality

Experience...

the joy of spinning quality.