



**METAG**  
TEXTILE & ENGINEERING



**TRX320**  
**TRX320-E**

HEAVY  
DUTY  
TEXTILE  
MACHINERY

# TRX320 - TRX320-E

Metag model TRX 320 incorporates the robust construction and reliability of the TRX-TRXA series with a single space of 320 mm working width and is designed to accommodate conventional yarns as well as aramid, ceramic, glass, and other technical fibers.

TRX 320 and TRX 320-E are design for the manufacture of the heaviest and technical solid-woven fabrics in width up to 320 mm (12.6") Specifications of the TRX 320 are robust: an oversized take down motion, heavy duty reed holder steel made, robust drive motion and simple component level construction combines to provide a robust loom ready to perform and easy to maintain. Standard machine TRX 320 is provided with a mechanical cam box with 14 positive cams and independently adjustable jack levers for variable harness stroke length.

TRX 320-E features an option for the newest generation of STAUBLI® electronic dobby. Featuring adjustable harness stroke, up to 20 harness frames and easy programming via a portable programmer the TRX 320-E enables fast product changes, infinite pick repeats and total flexibility. Both versions of the TRX 320, by mechanical cam-box or electronic dobby, come standard with features designed to perform the most difficult production challenges.

## BOBBIN SELVEDGE BINDING

The TRX series bobbin-stitch selvedge are particularly suited for heavy, multi-ply webbings and belt constructions. TRX 320 features a bobbin system which stitches the catch-thread, securing the selvedge with a strong sewn binding. The large capacity of the bobbin spools enables long runs between doffing. The system releases the catch-thread through several tension control units to ensure perfect edge binding. Photoelectric cell monitors the amount of yarn left on the spool and stops the loom before it runs out.

## PRINCIPAL AND STANDARD FEATURES:

- Single space weaving unit
- Bobbin edge-bindings system
- Heavy-duty reed holder, steel made
- Double steel knurled take down with manual advance motion
- Clear open shed, even with high density spun staple yarns
- Weft fee accumulators, self adjusting and electronically controlled
- Weft springs unit for fine weft tension adjustment
- Wide warp deflector leasing bars with great lease combination and possibilities
- Embedded LCD for machine controlling and functions adjusting
- Heavy duty motors controlled by electronic inverter for speed adjustments settings
- Crawl motor (jog) facility
- Robust and simple construction, enhanced solidity, and compactness
- Low vibrations and low noise level
- Minimum servicing and maintenance
- High precision engineered components made in Italy

## OPTIONS AVAILABLE

- Electronic dobby machine
- Jacquard machine
- Electronic take-off motion
- Weft selector
- Rubber feeder, positive
- Warp yarns tensioner frame
- Automatic bobbin winder
- Fabric winder (block or spool)
- Beams stand with positive feeding
- Special projects in accordance with the Customer request

TECHNICAL DATA	TRX 320	TRX 320-E
Selvedge binding	Bobbin	Bobbin
Spaces	1	1
Reed width (mm)	330	330
Harness frames	14	20
Cam box type	Cam, positive	STAUBLI®electronic dobby
Pick repeats	1:6 - 1:8	endless
Weft Feeding	1 x Electronic accumulator	1 x Electronic accumulator
Pick-density	2 to 40 picks/cm	2 to 40 picks/cm
Max weaving speed <sup>1</sup>	200	200
Dimension (cm) <sup>2</sup>	225 x 130 x 145	225 x 160 x 145
Net weight (kg)	1200	1500

1) the max weaving speed is subject to yarn/fiber performance  
2) dimensions include with weft accumulator installed

Special projects in accordance with the Customer request.  
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