



COMPANY PROFILE

Circlips that hold under load.

Manufacturer & trader of external, internal, heavy-duty circlips and E-clips in hardened spring steel.

DIN 471 · DIN 472 · DIN 6799 · IS 3075



Elite Marketing, New Delhi

Elite Marketing is a Delhi-based manufacturer and trader of circlips and retaining rings. We supply external, internal, heavy-duty circlips and E-clips to OEMs, assembly units, dealers and maintenance workshops.

Our focus is the right size, the right hardness and on-time delivery. Every lot, whether made in our plant or supplied from stock, is checked before dispatch.

2023

Established

New Delhi

Location

4

Product ranges

3 – 300 mm

Size range

44–54 HRC

Hardened & tempered

100%

Lots tested

MANUFACTURING & TRADING

Made-to-order and ready stock from one supplier

WE MANUFACTURE

Own production

- External, internal and heavy-duty circlips
- Bulk orders for OEMs and assembly lines
- Special sizes made to drawing
- Material grade and finish as specified

WE TRADE

Ready stock supply

- Standard DIN 471 / 472 sizes from stock
- Mixed-size quantities for dealers and workshops
- Quick dispatch for urgent requirements
- Traded lots also checked before dispatch

Our circlip range



DIN 471 · IS 3075 (PART I)

External Circlip

Fits into a groove on a shaft. Locates bearings, gears and pulleys axially.

FITS ON	Shaft
SIZES	5 mm – 300 mm
MATERIAL	Spring steel
FINISH	Phosphate / black oxide



DIN 472 · IS 3075 (PART II)

Internal Circlip

Fits into a groove inside a bore or housing. Holds bearings and bushes in place.

FITS IN	Bore / housing
SIZES	5 mm – 300 mm
MATERIAL	Spring steel
FINISH	Phosphate / black oxide



DIN 471 / 472 · HEAVY SERIES

Heavy Duty Circlip

Thicker section for higher thrust loads in gearboxes, tractor axles and heavy machinery.

TYPE	External & internal
SIZES	5 mm – 300 mm
MATERIAL	Spring steel
FINISH	Phosphate / black oxide



DIN 6799

E-Clip (Retaining Washer)

Pushed radially into a shaft groove, no pliers needed. For small shafts, two-wheelers and appliances.

FITS ON	Shaft (radial fit)
SIZES	3 mm – 20 mm
MATERIAL	Spring steel / SS
FINISH	Phosphate / plain

MATERIAL & FINISH

What goes into every circlip

MATERIAL

Spring steel

- C67 / C75 (CK67, CK75)
- 65Mn
- Other grades on request

HEAT TREATMENT

Hardened & tempered

- 44–54 HRC as per DIN size class
- Uniform spring action

SURFACE FINISH

Corrosion protection

- Phosphated & oiled
- Black oxide
- Zinc plated on request

STANDARDS

Dimensions

- DIN 471 · DIN 472 · DIN 6799
- IS 3075
- Customer drawing

PROCESS

From steel strip to packed circlip

01

Raw material check

Spring steel strip checked for grade, thickness and surface.

02

Press stamping

Blanked on power presses for accurate ID, OD and lug holes.

03

Deburring

Sharp edges removed so the ring seats cleanly.

04

Hardening & tempering

Controlled heat treatment to the specified hardness.

05

Hardness testing

Rockwell hardness checked on every lot.

06

Surface finish

Phosphating or black oxide, then oiling.

07

Final inspection

Dimensions, flatness and expansion checked.

08

Packing & dispatch

Counted and packed in labelled boxes with lot number.

TESTING & INSPECTION

Every lot is tested before it leaves

Hardness, dimensions and spring performance are checked on every lot. Test reports are available with the supply on request.

HARDNESS

Rockwell hardness test

HRC checked on each heat-treated lot.

DIMENSIONS

Profile projector & gauges

Thickness, free diameter and lug position checked with micrometer, vernier and gauges.

SPRING ACTION

Expansion / load test

Ring opened to fitting size and released to confirm no permanent set or cracking.

FLATNESS

Flatness check

Checked on surface plate so the ring sits fully in the groove.

CORROSION

Salt spray test

Coating durability of phosphate and plated finishes checked.

MATERIAL

Raw material verification

Mill test certificate verified for grade before production.

INDUSTRIES

Where our circlips are used

Automotive

Two-wheeler

Tractor & Agriculture

Railways

Pumps, Motors & Gearboxes

Construction Equipment

TRUSTED BY



CONTACT

Get a quote for your circlips

Send the circlip type, size and quantity. We reply with price and delivery time.

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[WhatsApp for Quotation →](#)

