LH-X20

PEX 铜环压接工具

围绕 PEX 铜环连接，依次核对管件插入、压环定位与压后检查。

- 铜环连接
- 配套检验
- 选型信息连贯

产品资料与配套

连接方式	PEX 铜环压接
连接部件	管材、插入式接头与外部铜压环
工具配套依据	管件系统允许的压接尺寸与工具组合
前道准备	管端整理、插入确认与压环定位
后道检查	按系统使用匹配量规并完成所需管路测试
不同工具任务	不锈钢卡箍收紧和冷扩式连接需各自配套工具

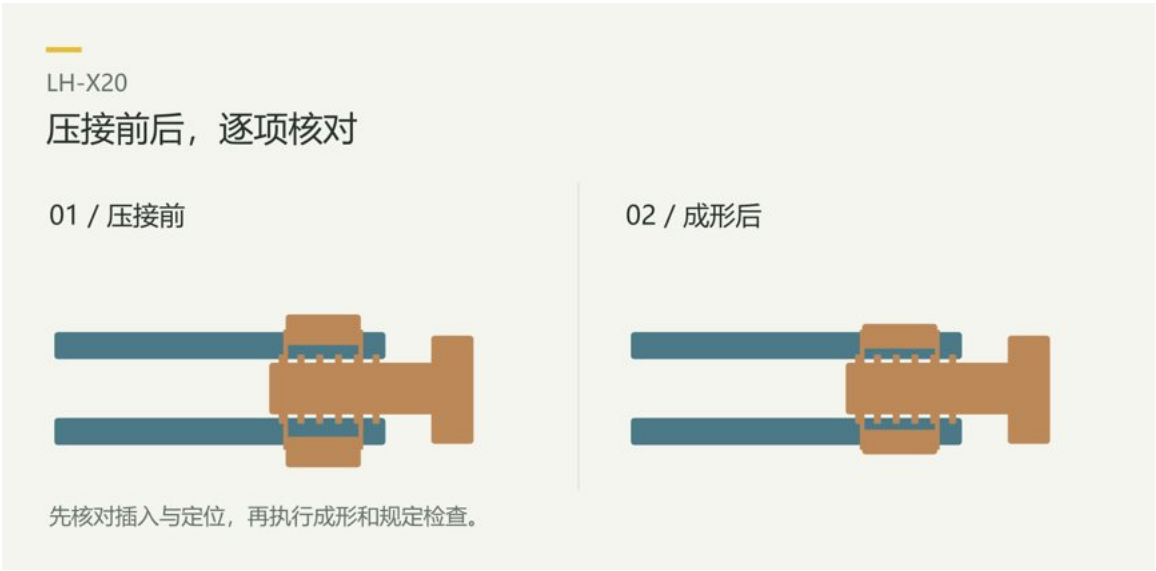
能用铜环工具夹紧不锈钢卡箍吗？

不能按本页方法替代。卡箍作用于耳部，其工具原理和检查要求不同。

MODEL / LH-X20 | INFORMATION UPDATED / 2026-09-09

LH-X20 / 作业顺序

LH-X20 的资料围绕 PEX 管外侧铜环的压接组织。管材、插入式管件和铜环在允许的系统组合内选择，再核对工具工作尺寸。相同公称管径不意味着不同系统的管件、连接环或工具能够交换使用。



01 确认系统：核对管材、接头、铜环与工具组合，准备安装说明及适用量规。

02 整理管端：保持切口平整，检查划伤、变形和杂物，按系统要求套入铜环。

03 插入定位：将接头装至规定位置，依该系统文件定位压环，压接前再次确认没有偏斜。

04 工具就位：匹配钳口完整覆盖压环工作区，依说明保持与管件的对正关系，完成规定闭合行程。

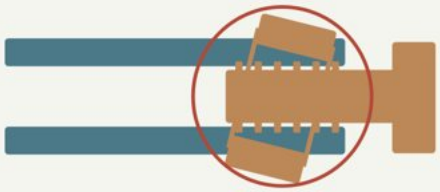
05 压后检查：使用匹配量规，不合格连接按规定返工；随后完成整段管路的系统测试。

LH-X20 / 检查与排查

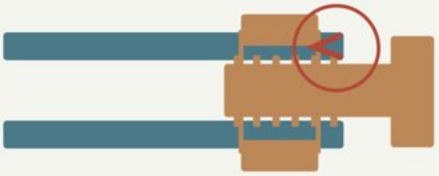
LH-X20

观察异常，定位排查

01 / 铜环偏斜



02 / 管端损伤



红色圈注定位可见异常，不作为量规或试验的替代。

观察到的现象	优先核对	处理方向
压环偏移	初始定位、管段支撑与作业移动	按系统规定处理连接，重新检查装配空间。
量规不通过	量规尺寸、钳口、行程及工具状态	按说明返工复检，不凭手感或反复补压判为合格。
工具无法完整就位	墙角净空、管件方向与手柄活动空间	调整作业顺序或选用系统允许的工具方案。
管端划伤或变形	切管、插入与工具误作用	处理受损管段，重新制作并完成规定检查。

作业完成检查清单

- 管材、接头、铜环、钳口与量规是允许的组合。
- 管端无明显损伤，插入与铜环位置已确认。
- 钳口可以完整就位，管段支撑不推移压环。
- 外观及适用量规检查符合系统要求。
- 完成管路测试与记录，单个压环检查不能代替系统验收。

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PEX copper-ring crimp tool

Check PEX fitting insertion, copper-ring position and the finished connection in sequence.

- Copper-ring connections
- System-specific verification
- Connected selection information

PRODUCT INFORMATION & PAIRING

Joining method	PEX copper-ring crimping
Components	Tubing, insert fitting and external copper ring
Tooling basis	Crimp size and tool combination accepted by the system
Preparation	Tube end, full insertion and ring positioning
Inspection	Applicable system gauge followed by required piping tests
Different tasks	Stainless clamp closure and cold expansion need their own tooling

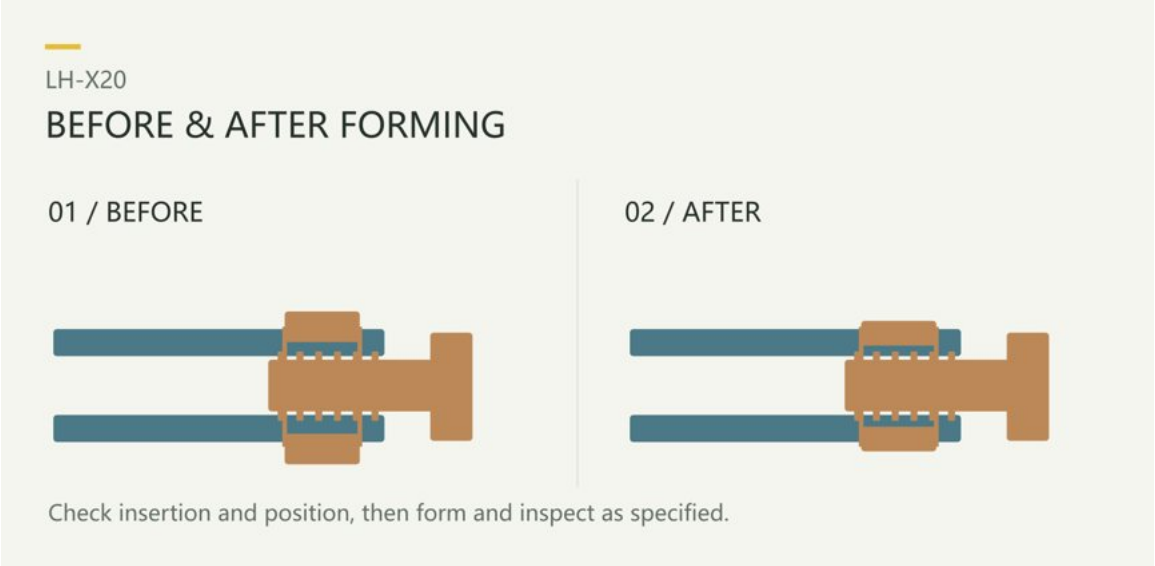
Can the copper-ring tool close a stainless clamp?

Do not substitute this workflow. An ear clamp has a different working area, tooling principle and inspection method.

MODEL / LH-X20 | INFORMATION UPDATED / 2026-09-09

LH-X20 / WORKFLOW

LH-X20 information focuses on the external copper ring of a PEX connection. Select tubing, insert fitting and ring within an accepted system before checking tooling size. Equal nominal sizes do not establish interchangeability between systems or tools.



01 Confirm the system: match tubing, fitting, ring and tool; prepare instructions and the applicable gauge.

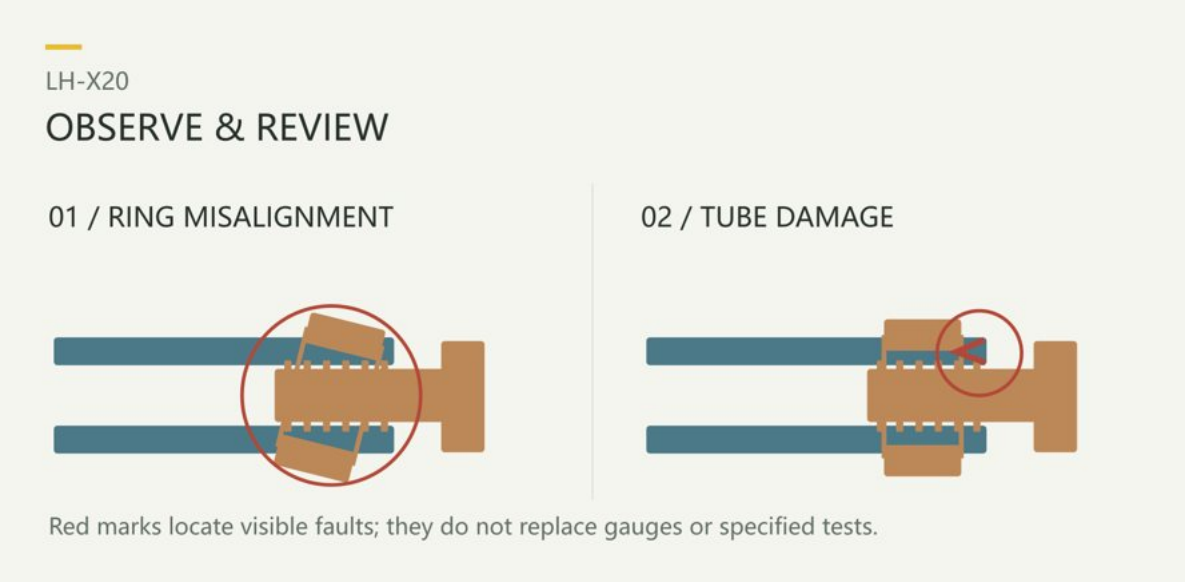
02 Prepare the end: make a square cut; check damage, distortion and debris, then place the ring as instructed.

03 Insert and position: seat the fitting as required, locate the ring using system instructions and check alignment before forming.

04 Locate the tool: seat the matched jaws over the full working region, maintain instructed alignment and complete the specified cycle.

05 Inspect: use the matched gauge, rework failed connections as instructed and complete the required piping tests.

LH-X20 / INSPECTION



Observation	Check first	Response
Ring moves	Initial location, support and working movement	Handle the joint as specified and review clearance.
Gauge check fails	Gauge, jaws, cycle and tool condition	Rework as instructed; feel or repeated squeezing is not acceptance.
Jaws cannot seat	Corner clearance, direction and handle travel	Change the sequence or use a system-approved tool option.
Tube damage	Cutting, insertion and misplaced pressure	Address damage, remake and complete required checks.

Completion checklist

- Tubing, fitting, ring, jaws and gauge form an accepted combination.
- The tube is undamaged; insertion and ring position are confirmed.
- Jaws seat fully and tube support does not move the ring.
- Visual and applicable gauge checks meet system requirements.
- Piping tests and records are complete; a ring check alone does not accept the system.

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