

LIHENGRIX



产品与连接应用目录

PRODUCT & CONNECTION CATALOG

端子压接 / 导线准备 / 工业连接 / 管路连接

CHINESE + ENGLISH

EDITION 0.9 / SEPTEMBER 2026

八个系列，从连接任务开始

Eight families. Start with the connection task.

01 压接工具

Terminal crimping
LH-F06 / LH-I06

02 剥线钳与电缆剪

Stripping & cable cutting
LH-S06 / LH-C32

03 重载连接器工具

Heavy-duty connector tools
LH-H04

04 钢丝绳压接工具

Wire-rope swaging
LH-W08

05 不锈钢扎带工具

Stainless cable-tie tools
LH-T01

06 铜管卡压工具

Copper pipe pressing
LH-P16

07 PEX 管连接工具

PEX connection tools
LH-X20

08 电气连接器与配件

Terminals & accessories
LH-A01

LH-F06

管形端头压线钳



从细绞线到接线端子，围绕管形端头完成导线末端整理。

- 端头定位
- 任务专一
- 选型信息连贯

产品资料与配套

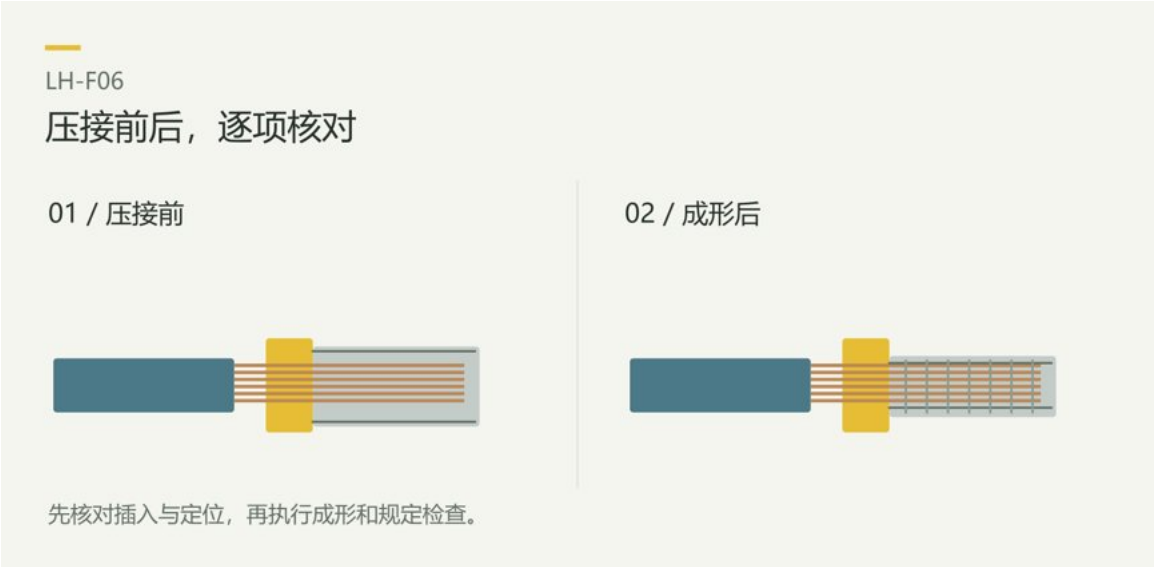
连接件	单线端头；双线端头按允许组合选择
工件条件	多股导线、端头金属管和接线入口共同匹配
前道准备	按端头金属长度准备导线，保留完整线股
后道装配	将压接端头装入对应接线端子并按部件要求固定
相关配套	LH-S06 导线准备；LH-A01 端头资料
检查内容	线股完整、导体到位、成形与接线入口配合

LH-F06 与 LH-I06 怎样区分？

管形端头查阅 LH-F06；带环形、叉形等设备接口的预绝缘端子查阅 LH-I06，不能只凭外套颜色选同一钳口。

LH-F06 / 作业顺序

LH-F06 的选型对象是管形端头的金属套管。把导线、端头与接线端子作为一组核对，再确定压接轮廓和工具组合。单线与双线端头应分别识别，不能仅凭两根线的总截面积确定双线端头配套。



- 01 备料核对：记录导线、端头和接线端子料号，确认允许的导体组合与压接轮廓。
- 02 准备线端：按部件资料设定剥线长度，检查缺股、切伤和散股，预先安装线号标识。
- 03 插入端头：让线股完整进入金属管，检查绝缘层位置，避免把散股留在外侧。
- 04 定位成形：按匹配工具说明将金属管置于工作区，完成规定行程；塑料入口不代替金属管承受压接。
- 05 检查装配：观察成形端部，完成规定连接检查，再装入接线端子并按端子要求固定。

LH-F06 / 检查与排查

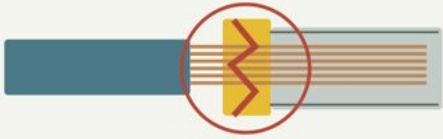
LH-F06

观察异常，定位排查

01 / 外侧散股



02 / 入口损伤



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
压后松动	线径、缺股、端头尺寸及工具组合	隔离线端，确认配套后重新制作并复检。
无法进入接线孔	成形轮廓、金属长度与入口要求	调整配套，不修剪端头强行装入。
塑料入口开裂	线端位置、入口尺寸与钳口作用区	更换损伤端头，检查定位后制作样件。
端头外有散股	剥线质量与插入过程	重新制作完整线端，不剪去散股掩盖缺陷。

作业完成检查清单

- 导线、端头与接线端子料号对应。
- 剥线后导体完整，端头外没有遗漏线股。
- 导体到位，塑料入口没有明显破损。
- 成形轮廓与金属长度符合接线端子的装配条件。
- 按要求完成保持或其他检验；目视检查不代替规定测试。

LH-F06

Ferrule crimping tool



Prepare stranded-wire ends for terminal entry with a ferrule-focused workflow.

- Terminal positioning
- Dedicated purpose
- Connected selection information

PRODUCT INFORMATION & PAIRING

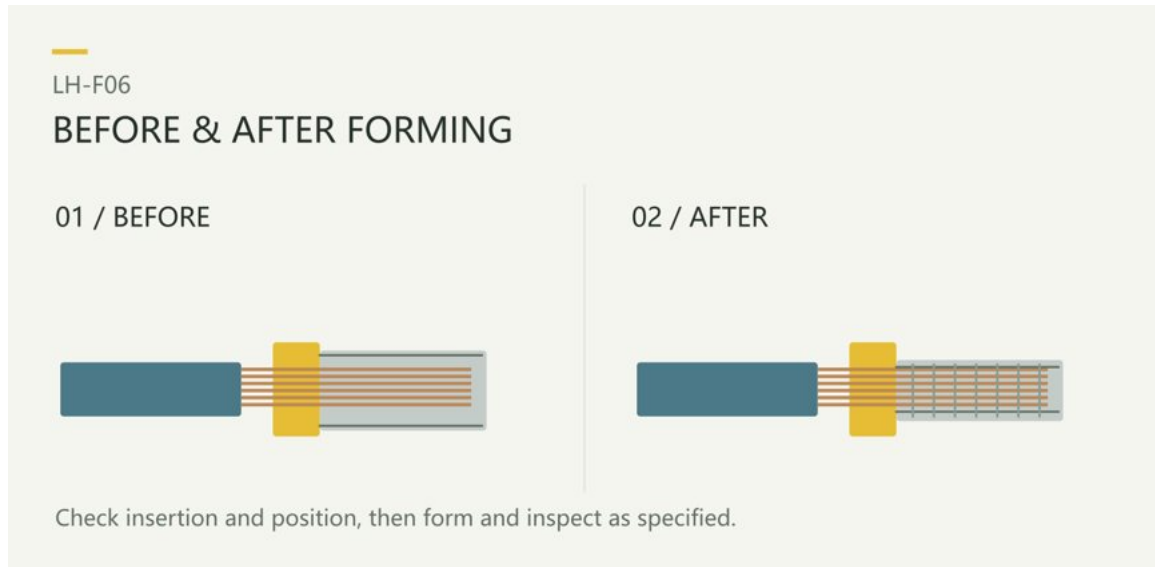
Connection part	Single ferrules; twin ferrules only for accepted wire combinations
Workpiece conditions	Match stranded wire, ferrule sleeve and terminal entry
Preparation	Prepare the end for the metal sleeve length; retain all strands
Next assembly	Insert the formed ferrule into its terminal and fasten as specified
Related pairing	LH-S06 wire preparation; LH-A01 ferrule information
Inspection	Strand condition, insertion, formed geometry and entry fit

How do LH-F06 and LH-I06 differ?

Use LH-F06 information for ferrules and LH-I06 for pre-insulated terminals with equipment interfaces. Color alone does not establish a shared die.

LH-F06 / WORKFLOW

LH-F06 selection starts with the ferrule metal sleeve. Review wire, ferrule and receiving terminal together before choosing the profile and tooling. Distinguish single and twin ferrules; the combined conductor area alone does not establish a twin-ferrule pairing.



- 01 Identify parts: record wire, ferrule and terminal part numbers; establish accepted conductor combinations and forming profiles.
- 02 Prepare the end: set strip length from component instructions; check lost, cut or splayed strands and fit wire markers first.
- 03 Insert the ferrule: capture all strands inside the sleeve and check insulation position; leave no strands outside.
- 04 Position and form: locate the metal sleeve in the instructed working area and complete the cycle. The plastic entry is not the conductor crimp area.
- 05 Inspect and assemble: examine the formed end, perform required checks, then insert and secure it in the receiving terminal.

LH-F06 / INSPECTION

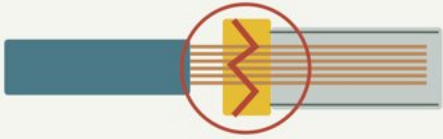
LH-F06

OBSERVE & REVIEW

01 / STRAY STRANDS



02 / ENTRY DAMAGE



Red marks locate visible faults; they do not replace gauges or specified tests.

Observation	Check first	Response
Loose ferrule	Wire size, missing strands, ferrule and tooling	Isolate, correct the pairing, remake and inspect.
End will not enter	Profile, sleeve length and entry requirements	Change the pairing; do not trim the ferrule to force entry.
Split plastic entry	Wire position, entry size and die working area	Replace the ferrule and recheck location.
Strands outside	Stripping and insertion	Remake an intact end; do not trim stray strands to hide the fault.

Completion checklist

- Wire, ferrule and terminal part numbers correspond.
- The stripped conductor is intact with no strands outside.
- The conductor is seated and the plastic entry is undamaged.
- Formed profile and sleeve length match the receiving terminal.
- Required retention or other checks are complete; visual inspection does not replace specified testing.

LH-I06

预绝缘端子压线钳



围绕预绝缘端子的金属压接筒，将导线端接与设备接口安装分开核对。

- 分区识别
- 线束应用
- 选型信息连贯

产品资料与配套

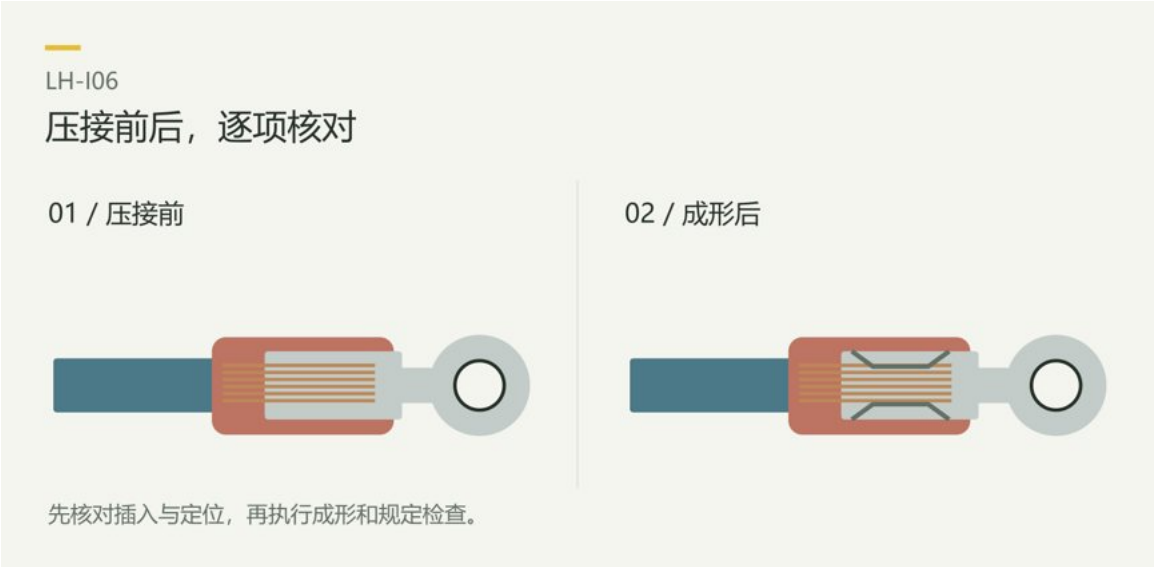
连接件	预绝缘环形、叉形或对应片式端子
工件条件	同时识别导体压接筒与绝缘支撑结构
前道准备	确认导线截面积、外皮尺寸及剥线长度
后道装配	按螺柱、螺钉或插接接口要求完成安装
相关配套	LH-S06 导线准备；LH-A01 端子资料
检查内容	导体位置、外套状态、接口尺寸及安装保持

可以直接按红蓝黄颜色选择钳口吗？

颜色只能辅助识别；应以端子料号、导线范围和配套工具要求为准。

LH-I06 / 作业顺序

LH-I06 的选型对象是具有预绝缘结构的端子。环形、叉形及相应插接端子的接口不同，导线端的压接区域也需要按系列核对。记录金属压接筒、外套结构和工具要求，不能把相似颜色视作统一规格。



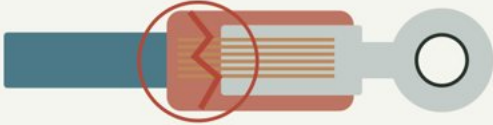
- 01 识别接口：记录端子料号、导线要求和设备端孔径或插接尺寸，确认模具与端子系列对应。
- 02 准备导线：依端子文件剥线，保留完整线股，核对外皮直径与端子入口。
- 03 插入定位：让导体到达金属压接筒规定位置，避免绝缘层占据导体连接区域。
- 04 完成压接：按说明定位压接筒与外套并完成行程；不同端子不一律采用相同的双区成形方式。
- 05 安装复核：检查线端后，完成螺钉、螺柱或插接安装；端子压接与设备接口固定分别验收。

LH-I06 / 检查与排查

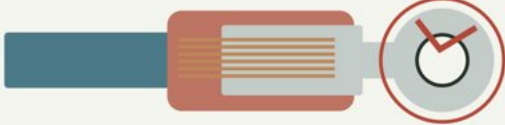
LH-I06

观察异常，定位排查

01 / 外套开裂



02 / 接口变形



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
导线滑动	导体插入、线径、压接筒与模具	暂停使用线端，纠正配套并重做。
外套开裂	外皮直径、外套结构及钳口位置	更换端子，复核定位与行程。
环孔或叉口变形	是否误压设备接口	更换端子，将作用区回到压接筒。
压接牢固但接口松动	接口尺寸及设备固定要求	单独复核接口安装，不用再次压线代替紧固。

作业完成检查清单

- 端子与模具系列一致，线径和外皮尺寸符合部件要求。
- 导体位置正确，没有散股或缺股。
- 外套没有明显裂口，设备接口没有变形。
- 压接处完成规定的保持、拉力或其他检查。
- 孔位、插接配合与设备端固定状态单独确认。

LH-I06

Insulated terminal crimping tool



Pair the insulated terminal barrel with the wire, then check equipment mounting separately.

- Identify working areas
- Harness applications
- Connected selection information

PRODUCT INFORMATION & PAIRING

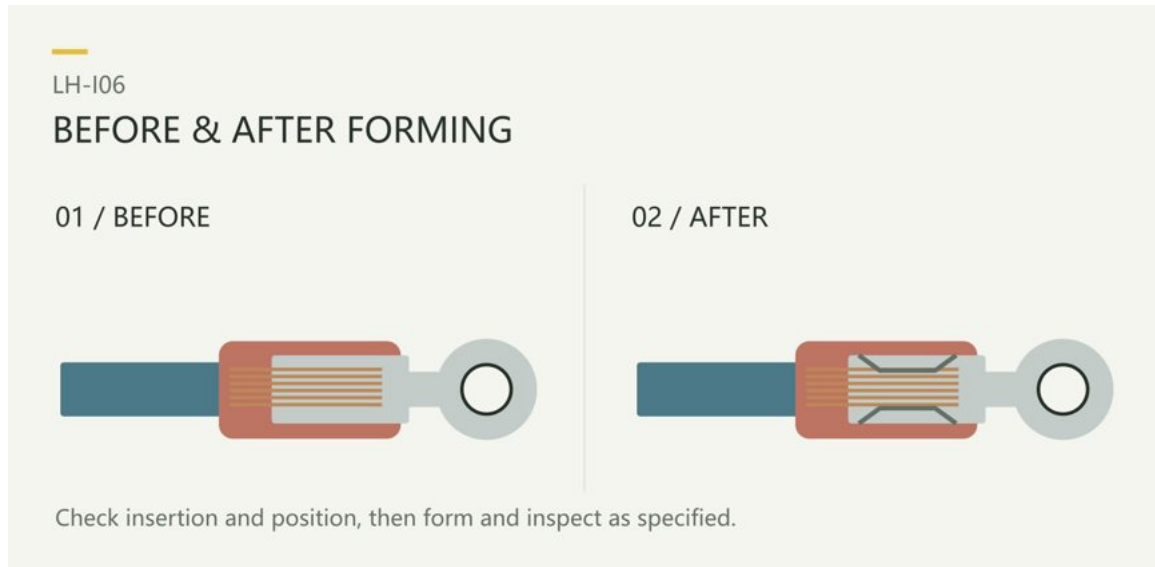
Connection part	Compatible pre-insulated ring, fork or blade-interface terminals
Workpiece conditions	Identify conductor barrel and insulation support
Preparation	Establish conductor area, jacket diameter and strip length
Next assembly	Complete the stud, screw or mating-interface installation
Related pairing	LH-S06 wire preparation; LH-A01 terminal information
Inspection	Conductor position, sleeve condition, interface dimensions and retention

Can I choose a die from insulation color alone?

Color helps identification, but use terminal part number, wire range and matched tooling requirements.

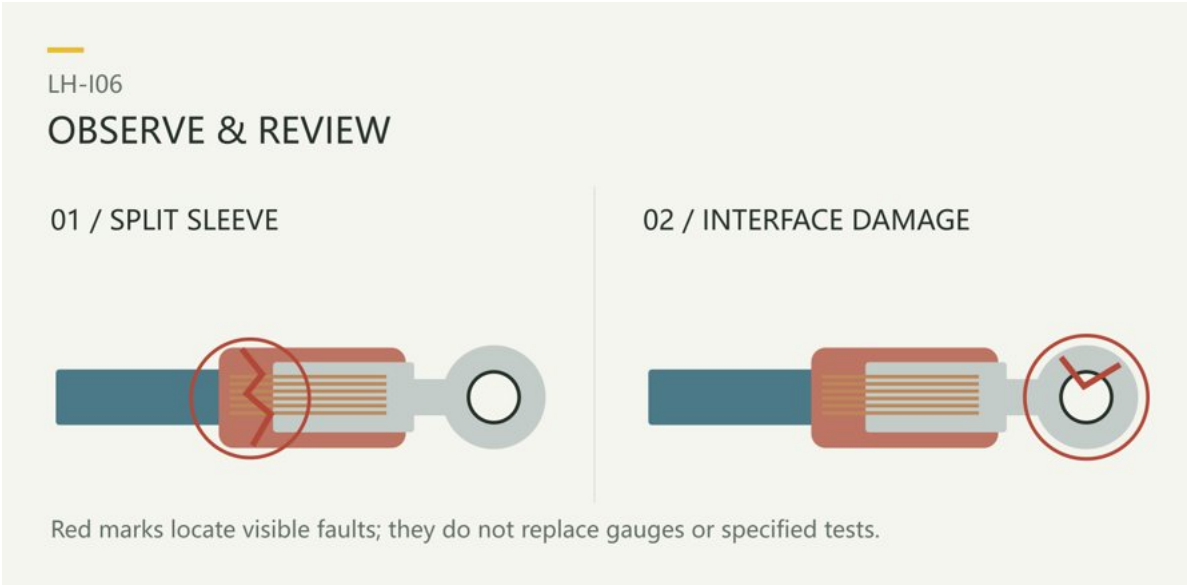
LH-I06 / WORKFLOW

LH-I06 selection concerns pre-insulated terminals. Ring, fork and relevant mating terminals have different equipment interfaces; their wire-end areas still require series-specific tooling checks. Record barrel, sleeve and tooling requirements. Similar colors do not define a universal size.



- 01 Identify the interface: record terminal part number, wire requirements and mounting or mating dimensions; match the die to the series.
- 02 Prepare the wire: strip as specified, retain all strands and check insulation diameter against the entry.
- 03 Insert and locate: seat the conductor in the specified barrel position; keep wire insulation out of the conductor connection area.
- 04 Complete the crimp: position barrel and sleeve as instructed and complete the cycle. Not every terminal uses the same two-zone crimp.
- 05 Install and verify: inspect the wire end, then complete the stud, screw or mating installation. Check these connections separately.

LH-I06 / INSPECTION



Observation	Check first	Response
Wire slips	Insertion, wire size, barrel and die	Isolate the end, correct the pairing and remake.
Sleeve splits	Insulation size, sleeve and die position	Replace the terminal; review location and cycle.
Ring or fork distorts	Pressure on the equipment interface	Replace the terminal and relocate the barrel.
Crimp holds; mounting is loose	Interface size and fastening	Inspect the mounting; another crimp cannot replace fastening.

Completion checklist

- Terminal and die series match; wire and insulation sizes meet component requirements.
- The conductor is positioned correctly without lost or stray strands.
- The sleeve is intact and the equipment interface is undistorted.
- Required retention, pull or other crimp checks are complete.
- Equipment hole size, mating fit and fastening are checked separately.

LH-S06

导线剥线工具



从导线准备开始，连接下一步作业。

- 绝缘处理
- 前后工序衔接
- 选型信息连贯

产品资料与配套

连接对象	导线与绝缘层；按绝缘材质和导体结构选择。
典型任务	装配与维护作业中的导线准备。
选型输入	导体材料与线缆结构 / 绝缘层类型 / 切口与导体完整性
配套说明	工具与连接件应按配套体系核对；材料、尺寸相同不代表所有系列可以互换。

选型时应先提供哪些信息？

请先确认连接对象，再核对：导体材料与线缆结构、绝缘层类型、切口与导体完整性。

LH-S06

Wire stripping tool



Prepare the wire for the next connection.

- Insulation preparation
- Connect adjacent tasks
- Connected selection information

PRODUCT INFORMATION & PAIRING

Connection	Wire and insulation; select by insulation material and conductor construction.
Application	Wire preparation for assembly and maintenance tasks.
Selection inputs	Conductor material and cable construction / Insulation type / Cut condition and conductor integrity
Pairing note	Match the tool and connection part within the specified system; common materials or dimensions do not establish interchangeability.

What information starts the selection?

Identify the connection part first, then review: Conductor material and cable construction, Insulation type, Cut condition and conductor integrity.

LH-C32

棘轮式电缆剪



面向线缆切断，让导线准备各有分工。

- 渐进闭合
- 切断与剥线分工
- 选型信息连贯

产品资料与配套

连接对象	线缆切断；材料适配与线缆结构需分别核对。
典型任务	电气安装、线缆下料与维护准备。
选型输入	导体材料与线缆结构 / 绝缘层类型 / 切口与导体完整性
配套说明	导体材料与线缆结构须分别核对，不能将铜铝线缆工具直接用于钢芯线缆。

选型时应先提供哪些信息？

请先确认连接对象，再核对：导体材料与线缆结构、绝缘层类型、切口与导体完整性。

LH-C32

Ratcheting cable cutter



A dedicated cutting direction within wire preparation.

- Progressive closure
- A distinct cutting role
- Connected selection information

PRODUCT INFORMATION & PAIRING

Connection	Cable cutting; review material suitability separately from cable construction.
Application	Electrical assembly, cable preparation and maintenance planning.
Selection inputs	Conductor material and cable construction / Insulation type / Cut condition and conductor integrity
Pairing note	Check conductor material and cable construction separately; copper and aluminium cable tooling must not be assumed suitable for steel-reinforced cable.

What information starts the selection?

Identify the connection part first, then review: Conductor material and cable construction, Insulation type, Cut condition and conductor integrity.

LH-H04

机加工触点压接工具



将触点、定位与导线作为一个组合。

- 触点导向
- 定位配套
- 选型信息连贯

产品资料与配套

连接对象	机加工连接器触点；工具与定位附件需成套核对。
典型任务	工业控制、设备接口与线束端接。
选型输入	触点系列与结构 / 定位附件 / 导线与触点组合
配套说明	工具与连接件应按配套体系核对；材料、尺寸相同不代表所有系列可以互换。

选型时应先提供哪些信息？

请先确认连接对象，再核对：触点系列与结构、定位附件、导线与触点组合。

LH-H04

Machined-contact crimping tool



Consider the contact, locator and wire together.

- Contact-first selection
- Locator matching
- Connected selection information

PRODUCT INFORMATION & PAIRING

Connection	Machined connector contacts; review the tool and locator as a combination.
Application	Industrial control, equipment interfaces and harness termination.
Selection inputs	Contact family and construction / Positioning accessory / Wire-to-contact combination
Pairing note	Match the tool and connection part within the specified system; common materials or dimensions do not establish interchangeability.

What information starts the selection?

Identify the connection part first, then review: Contact family and construction, Positioning accessory, Wire-to-contact combination.

LH-W08

钢丝绳压套钳



关注绳索末端的压套连接。

- 压套匹配
- 连接对象清楚
- 选型信息连贯

产品资料与配套

连接对象	钢丝绳与金属压套；用途与承载要求需由完整连接方案确定。
典型任务	机械装配中的绳索端部与非承载展示连接。
选型输入	钢丝绳结构 / 压套形状与材料 / 用途与检验要求
配套说明	涉及承载、起重或生命防护的连接，应采用符合该用途要求的经验证方案，不应仅凭工具外观推定适用性。

选型时应先提供哪些信息？

请先确认连接对象，再核对：钢丝绳结构、压套形状与材料、用途与检验要求。

LH-W08

Wire-rope sleeve swaging tool



A focused direction for wire-rope sleeve terminations.

- Sleeve matching
- A defined connection part
- Connected selection information

PRODUCT INFORMATION & PAIRING

Connection	Wire rope and metal sleeves; intended use and load requirements belong to the complete connection specification.
Application	Rope-end preparation for mechanical assemblies and non-load-bearing display connections.
Selection inputs	Rope construction / Sleeve shape and material / Intended use and verification
Pairing note	Load-bearing, lifting or life-safety connections require a validated solution for that purpose; tool appearance does not establish suitability.

What information starts the selection?

Identify the connection part first, then review: Rope construction, Sleeve shape and material, Intended use and verification.

LH-T01

不锈钢扎带收紧工具



围绕线缆固定，整理收紧与余带处理。

- 收紧与整理
- 线缆管理
- 选型信息连贯

产品资料与配套

连接对象	不锈钢扎带；宽度、锁紧结构和安装空间需对应。
典型任务	设备布线、线缆整理与管线标识固定。
选型输入	扎带宽度与结构 / 收紧方式 / 安装空间与尾端处理
配套说明	工具与连接件应按配套体系核对；材料、尺寸相同不代表所有系列可以互换。

选型时应先提供哪些信息？

请先确认连接对象，再核对：扎带宽度与结构、收紧方式、安装空间与尾端处理。

LH-T01

Stainless cable-tie tensioning tool



A tool direction for tie tensioning and tail management.

- Tensioning and organization
- Cable management
- Connected selection information

PRODUCT INFORMATION & PAIRING

Connection	Stainless cable ties; match width, locking construction and installation access.
Application	Equipment wiring, cable organization and line-marker attachment.
Selection inputs	Tie width and locking construction / Tensioning method / Access and tail finish
Pairing note	Match the tool and connection part within the specified system; common materials or dimensions do not establish interchangeability.

What information starts the selection?

Identify the connection part first, then review: Tie width and locking construction, Tensioning method, Access and tail finish.

LH-P16

手动铜管卡压工具



从管件体系出发，核对每一个连接条件。

- 管件体系优先
- 手动作业布局
- 选型信息连贯

产品资料与配套

连接对象	铜管与卡压管件；卡压轮廓和管件系列须匹配。
典型任务	建筑管路装配与管件选型资料整理。
选型输入	管件系统与材料 / 卡压轮廓 / 工具与钳口组合
配套说明	应按管件体系核对轮廓、尺寸及介质要求，不以外观或管径相同推定兼容。

选型时应先提供哪些信息？

请先确认连接对象，再核对：管件系统与材料、卡压轮廓、工具与钳口组合。

LH-P16

Manual copper pipe press tool



Begin with the fitting system and its connection requirements.

- System-first matching
- Manual working clearance
- Connected selection information

PRODUCT INFORMATION & PAIRING

Connection	Copper pipe and press fittings; match the press profile to the fitting family.
Application	Building pipework assembly and fitting-selection documentation.
Selection inputs	Fitting system and material / Press profile / Tool and jaw combination
Pairing note	Check profile, size and service-medium requirements within the fitting system; appearance or common diameter does not establish compatibility.

What information starts the selection?

Identify the connection part first, then review: Fitting system and material, Press profile, Tool and jaw combination.

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

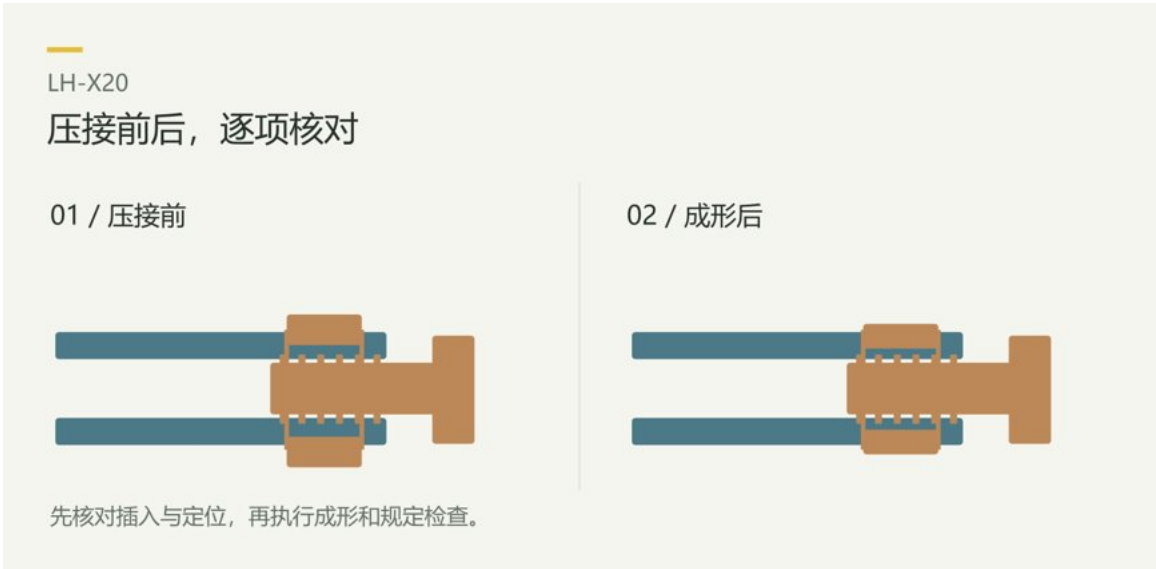
连接方式	PEX 铜环压接
连接部件	管材、插入式接头与外部铜压环
工具配套依据	管件系统允许的压接尺寸与工具组合
前道准备	管端整理、插入确认与压环定位
后道检查	按系统使用匹配量规并完成所需管路测试
不同工具任务	不锈钢卡箍收紧和冷扩式连接需各自配套工具

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。

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。



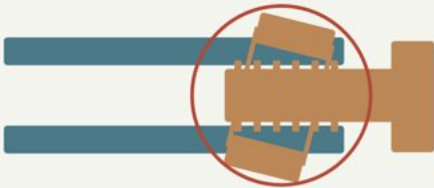
- 01 确认系统：核对管材、接头、铜环与工具组合，准备安装说明及适用量规。
- 02 整理管端：保持切口平整，检查划伤、变形和杂物，按系统要求套入铜环。
- 03 插入定位：将接头装至规定位置，依该系统文件定位压环，压接前再次确认没有偏斜。
- 04 工具就位：匹配钳口完整覆盖压环工作区，依说明保持与管件的对正关系，完成规定闭合行程。
- 05 压后检查：使用匹配量规，不合格连接按规定返工；随后完成整段管路的系统测试。

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。

LH-X20

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

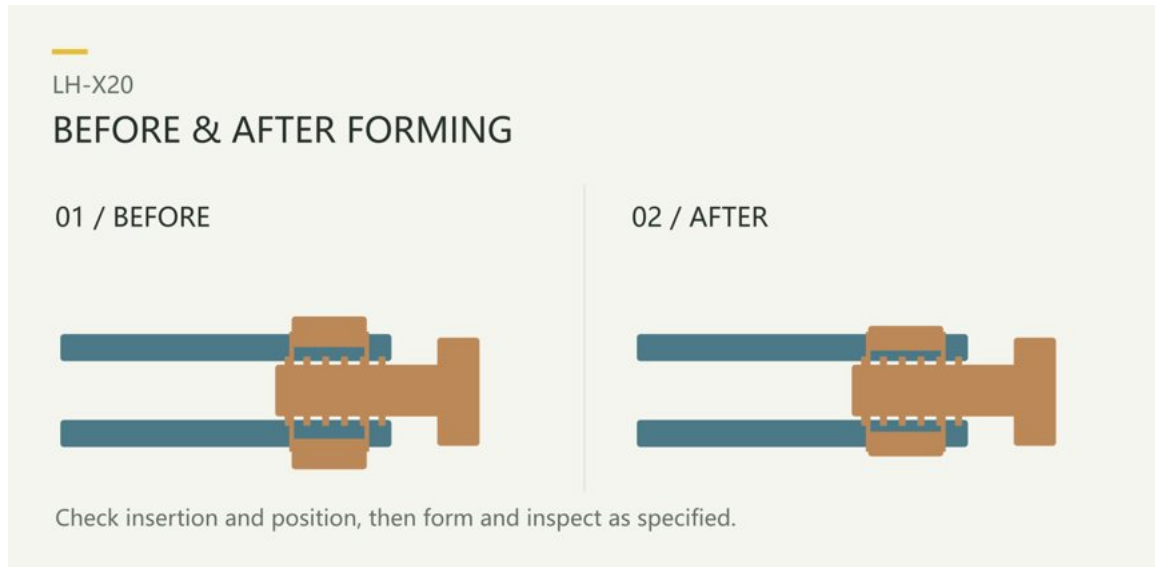
Joining method	PEX copper-ring crimping
Components	Tubing, insert fitting and external copper ring
Tooling basis	Crimp size and tool combination accepted by the system
Preparation	Tube end, full insertion and ring positioning
Inspection	Applicable system gauge followed by required piping tests
Different 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.

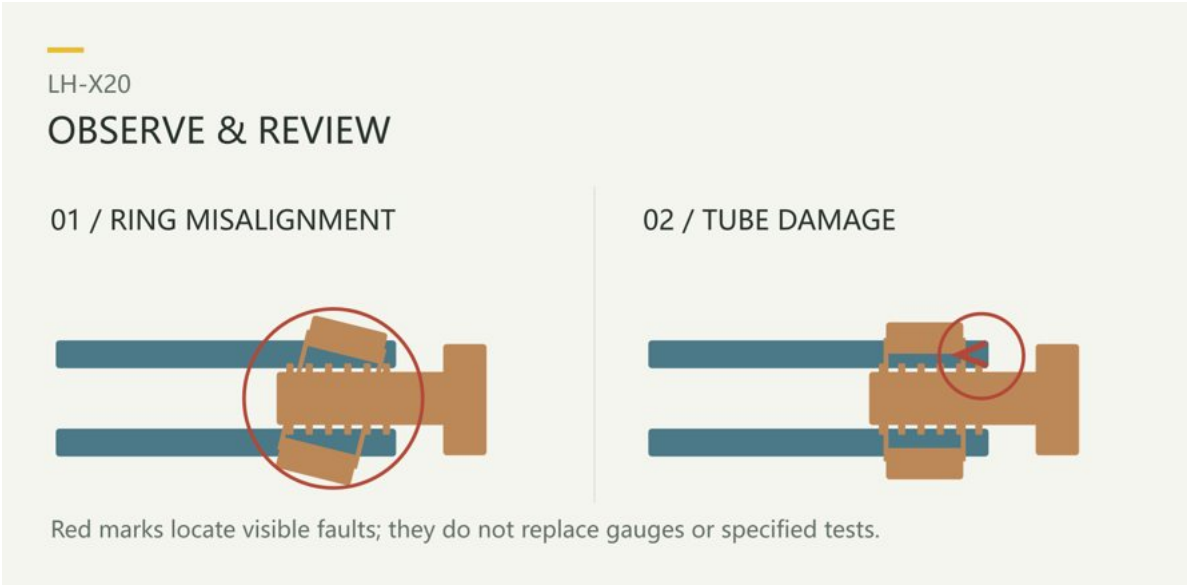
LH-X20 / WORKFLOW

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.

LH-A01

端头与端子配件系列



从连接对象出发，找到对应的工具系列。

- 连接件分类
- 工具联动
- 选型信息连贯

产品资料与配套

连接对象	管形端头与预绝缘端子；按连接形式、导体和绝缘结构区分。
典型任务	控制柜、线束与电气装配的端子识别。
选型输入	端子类别与形状 / 导体与绝缘信息 / 端子厂商的配套资料
配套说明	工具与连接件应按配套体系核对；材料、尺寸相同不代表所有系列可以互换。

选型时应先提供哪些信息？

请先确认连接对象，再核对：端子类别与形状、导体与绝缘信息、端子厂商的配套资料。

LH-A01

Ferrule & terminal accessory range



Start with the connection part to find the relevant tool.

- Part classification
- Connected tooling
- Connected selection information

PRODUCT INFORMATION & PAIRING

Connection	Ferrules and insulated terminals; distinguish connection form, conductor and insulation construction.
Application	Terminal identification for panels, harnesses and electrical assembly.
Selection inputs	Terminal type and shape / Conductor and insulation information / Terminal manufacturer documentation
Pairing note	Match the tool and connection part within the specified system; common materials or dimensions do not establish interchangeability.

What information starts the selection?

Identify the connection part first, then review: Terminal type and shape, Conductor and insulation information, Terminal manufacturer documentation.

把连接对象、工具与检查放在一起

合作需求可以从装配应用、渠道产品分类或耗材配套开始。与其先给工具贴上宽泛名称，更有效的方式是描述工件、连接对象和希望改善的问题。例如，控制柜配线关注端头与端子排，设备接口关注触点与定位，管路连接则关注具体系统与操作空间。

应用与工件

使用场景、材料、尺寸和连接方式 / 确定产品系列与任务边界

接口与部件

料号、尺寸图、照片和配套说明 / 确认连接结构与工件组合

现场条件

操作空间、频次、工作顺序和维护方式 / 讨论工具布置与使用安排

产品与包装

型号组织、语言、标识和目录用途 / 明确资料与配套呈现

确认要求

样件条件、检查项目、记录与版本 / 明确如何评估方案

资料按连接任务提供选型信息；具体工件、工具组合和验收条件以相应部件及项目文件为依据。

Keep the connection and its checks together.

Cooperation can begin with an assembly application, distribution range or consumable pairing. Define the workpiece, interface and problem before assigning a broad tool label. Panel wiring centers on ferrules and terminals; equipment interfaces on contacts and locating; piping on the system and access.

Application

Context, materials, dimensions and joining method / Define family and task

Interface

Part numbers, drawings, photographs and pairing instructions / Identify construction and combination

Workplace

Access, frequency, sequence and maintenance / Discuss arrangement and operation

Range and packaging

Model organization, languages, labels and catalog use / Define information and presentation

Review

Samples, checks, records and versions / Establish how to assess the proposal

Use this catalog with the relevant component and project documentation for specific combinations and acceptance conditions.