

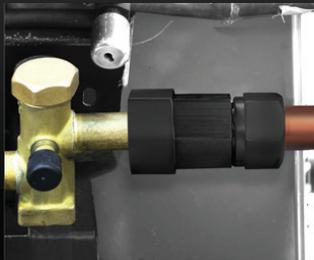


2026 HVAC CATALOG

TECHNICIAN FRIENDLY HVAC TOOLS AND REPAIR PRODUCTS

SMART SPLICE™

PATENTED BRAZE-FREE, FLARE-FREE LINE CONNECTERS



SWAGE TO LINE



LINE TO LINE



FLARE TO LINE

OUR STRENGTH
STARTS
FROM WITHIN

 CERTIFIED LEAK-FREE

QUICK - DEPENDABLE

PATENTED DUAL SEALING TECHNOLOGY



EXPANDED SEAL SLEEVE
10X THE SEALING SURFACE AREA
OF AN O-RING

ANTI-VIBRATION
TENSION RING
PREVENTS VIBRATION LEAKS



MANUFACTURER OF SMART SERVICE SOLUTIONS
Engineering Innovation - Since 1989



BRAZE-FREE + FLARE-FREE

SMART SPLICE™ LINE CONNECTORS

THE SMART ALTERNATIVE
TO BRAZING and FLARING

PATENTED SEALING TECHNOLOGY



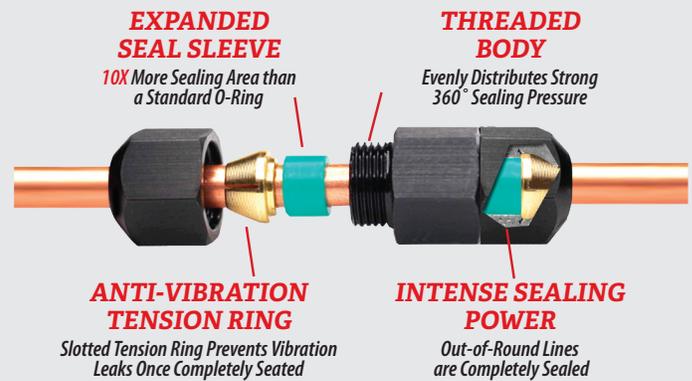
CERTIFIED LEAK-FREE

UP TO 2,600 PSI

NO SPECIAL TOOLS

NO BRAZING

NO FLARING



WHAT MAKES IT SMART

OUR TECHNICIAN FRIENDLY LINE CONNECTORS ARE

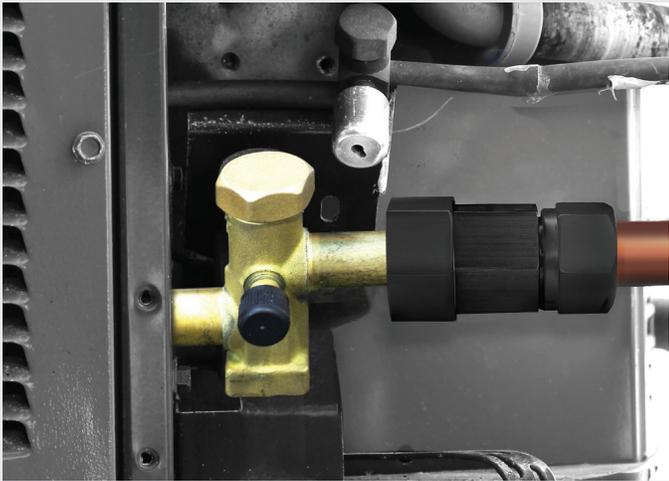
EFFECTIVE – TIME SAVING – DURABLE – REPEATABLE

WORKS ON COPPER, ALUMINUM AND STEEL LINES

Anti-Vibration Tension Ring's Unique Design Provides Superior Holding Power
Large Sealing Surface Area Compensates For Line Imperfections And Out-Of-Round Tubing
Installs With A Standard Wrench – No Big / Bulky / Expensive Special Tools Needed

**SMART SPLICE LINE CONNECTORS INSTALL IN MINUTES
INCREASE PROFIT AND REDUCE LABOR TIME**





EASILY INSTALL AN HVAC LINE WITHOUT BRAZING

SMART SPLICE™ LINE SPLICE CONNECTORS

- WORKS WITH ANY METAL LINE
- CONNECT IN MINUTES
- INSTALLS WITH A STANDARD WRENCH
- NO SPECIAL TOOLS NEEDED
- COMPENSATES FOR OUT-OF-ROUND TUBING



SMART SPLICE™ FOR SERVICE VALVES

- AVAILABLE FOR LINE SIZES (OD)
3/8", 5/8", 3/4", 7/8"
- AVAILABLE IN SINGLE AND 5 PACKS



SMART SPLICE™ LINE TO LINE, STRAIGHT AND 90°

- AVAILABLE FOR LINE SIZES (OD)
1/4", 3/8", 1/2", 5/8", 3/4", 7/8"
- AVAILABLE IN SINGLE AND 5 PACKS



ELIMINATE FLARING FLARE TO LINE CONNECTIONS



SMART SPLICE™ FLARE TO LINE

- AVAILABLE FOR LINE SIZES (OD)
1/4", 3/8", 1/2", 5/8"
- AVAILABLE IN SINGLE AND 5 PACKS



THE SPLICE IS RIGHT™

BRAZE-FREE + FLARE-FREE

FAST - EASY - DURABLE

INSTALL - REPAIR - TERMINATE

COMPENSATES FOR OUT-OF-ROUND LINES

10X SEALING SURFACE

NO SPECIAL TOOLS



SMART SPLICE™ LINE CONNECTOR

TECHNICAL DATA SHEET



**THE SMART ALTERNATIVE
TO BRAZING AND FLARING**

**COMPENSATES FOR
OUT-OF-ROUND TUBING**

**10X THE SEALING POWER
OF AN O-RING**

PRODUCT PARAMETERS

- **Applications**
 - Refrigeration
 - Air Conditioning
 - Heat Pump
 - VRF and VRV
 - Mini-Split
- **Continuous Operating Temperature**
 - 40°F to 300°F / - 40° to 150°C
- **Seal Sleeve Temperature Range**
 - 40°F to 300°F / - 40° to 150°C
- **Maximum Rated Operating and Abnormal Pressure**
 - 800 psi / 55 bar / 5,500 kPa
- **Burst Pressure**
 - 3x Maximum operating and abnormal pressure
 - 2,400 psi / 165 bar / 16,500 kPa
- **Vacuum Capability**
 - <200 Microns
- **Leak Tightness**
 - < 3 g/yr
- **Size & Type Availability (Inches)**
 - 1/4, 3/8, 1/2, 5/8, 3/4, 7/8
 - Straight, Elbow, Swage and Flare

FITTING MATERIALS

- **Body:** Anodized Al
- **Nut:** Anodized Al
- **AVTR:** Brass
- **Seal Sleeve:** HNBR

FITTING WARRANTY

- 15-year warranty

COMPATIBILITY

- **Approved lubricants**
 - PAO, POE, PVE, AB and MO
- **Approved Connections**
 - Copper to Copper
 - Copper to Steel
 - Steel to Steel
 - Copper to Al
 - Al to Al
 - Steel to Al

AGENCY APPROVALS

- *UL Listed Refrigerant Fitting SA45993-20230130*
- *UL 109 Pull Test*
- *UL 109 Vibration Test*
- *UL 1963 Gasket and Seals compliant*
- *SAE J2064 Leakage Evaluation*
- *GM10011C Hydrostatic, Vibration, Heat Age and Cold Age*

APPROVED REFRIGERANTS

- All A1, A2 and A2L Refrigerants—
- A3 tests forthcoming
- Not suitable for R744





**SMART SPLICE™
FLARE TO LINE CONNECTORS**

SIZE	SINGLE	5 PACK
1/4" Flare to 1/4" OD Line	86101	86111
3/8" Flare to 3/8" OD Line	86102	86112
1/2" Flare to 1/2" OD Line	86103	86113
5/8" Flare to 5/8" OD Line	86104	86114

**SMART SPLICE™
FLARE TO LINE KITS FOR MINI-SPLIT SYSTEMS**

SIZE	SINGLE	5 PACK
(2) 1/4" Flare to 1/4" OD Line & (2) 3/8" Flare to 3/8" OD Line	86121	86131
(2) 1/4" Flare to 1/4" Line & (2) 1/2" Flare to 1/2" Line	86122	86132
(2) 1/4" Flare to 1/4" Line & (2) 5/8" Flare to 5/8" Line	86123	86133
(2) 3/8" Flare to 3/8" Line & (2) 5/8" Flare to 5/8" Line	86124	86134



**SMART SPLICE™
STRAIGHT FITTINGS**

SIZE	SINGLE	5 PACK
1/4" OD Line	86014	86414
3/8" OD Line	86002	86402
1/2" OD Line	86001	86401
5/8" OD Line	86011	86411
3/4" OD Line	86012	86412
7/8" OD Line	86013	86413



**SMART SPLICE™
90° CONNECTORS**

SIZE	SINGLE	5 PACK
1/4"	86078	86478
3/8"	86072	86472
1/2"	86071	86471
5/8"	86074	86474
3/4"	86075	86475
7/8"	86077	86477

**SMART SPLICE™
LINE REDUCER**

SIZE	SINGLE	5 PACK
1/2" to 3/8" OD Line	86006	86406



**SMART SPLICE™
45° CONNECTORS**

SIZE	SINGLE	5 PACK
1/4"	86068	86468
3/8"	86062	86462
1/2"	86061	86461
5/8"	86064	86464
3/4"	86065	86465
7/8"	86067	86467



**SMART SPLICE™
EXPANDED TUBE/KING VALVE**

SIZE	SINGLE	5 PACK
1/4" OD Line	86214	86314
3/8" OD Line	86202	86302
1/2" OD Line	86201	86301
5/8" OD Line	86211	86311
3/4" OD Line	86212	86312
7/8" OD Line	86213	86313



**SMART SPLICE™
LINE TERMINATORS**

SIZE	SINGLE	5 PACK
1/4"	86506	86446
3/8"	86502	86442
1/2"	86501	86441
5/8"	86504	86444
3/4"	86505	86445
7/8"	86507	86447



**SMART SPLICE™
1/4" SERVICE PORT
CONNECTORS**

Straight Line Connector with
1/4" Service Port with Valve Core

SIZE	SINGLE	5 PACK
1/4"	86255	86455
3/8"	86252	86452
1/2"	86251	86451
5/8"	86254	86454
3/4"	86256	86456
7/8"	86257	86457



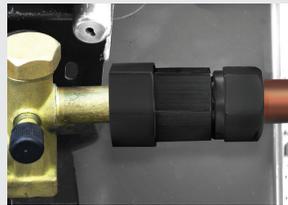
SMART SPLICE™

BRAZE-FREE FLARE-FREE LINE CONNECTORS



THE SMART ALTERNATIVE TO BRAZING AND FLARING

Build and Repair HVAC/R Lines with Ease



Swage To Line



Line To Line



Flare To Line

SMART SPLICE™
BRAZE-FREE
FLARE-FREE
Line Connectors

NO flame or adhesive
chemicals needed
Burst tested to
2,400 PSI
Compensates for
out-of-round tubing

Connect same-metal or
dissimilar-metal lines
Works with all metals
Copper | Aluminum | Steel
Carbon Steel
Install with a standard wrench

Approved for:
Air conditioning
Mini-splits
Heat pumps
Commercial refrigeration
VRF/VRV systems

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UL 109 Vibration Test

UL 1963 Gasket and Seals
compliant
SAE J2064 Leakage Evaluation

ICC-ES PMG -1764
GM10011C Hydrostatic, Vibration,
Heat Age and Cold Age