Parkrimp 2
For use with 26, 43, 70, 71, 73, 78, 79, 81 and HY Series Fittings

Only Parker offers a No-Skive system for SAE100R13 spiral hose up to 2" in diameter and SAE100R15 spiral hose up to 1-1/4" in diameter.

Specifications:
- Dimensions: 28" wide, 22" deep, 70" high
- Rating: 125 tons force @ 5,000 psi maximum
- Capability: 2" SAE 100R2AT maximum
- -2" SAE 100R2AT maximum
- -1" SAE 100R3 maximum
- -2" SAE 100R4 maximum
- -1:13/16" SAE100R5 maximum
- -1:13/16" SAEJ1402 Al maximum
- -1:13/16" SAEJ1402 All maximum
- -1:1/4" SAE 100R8AT maximum
- -2" SAE 100R12 maximum
- -2" SAE 100R13 maximum
- -1:1/4" SAE100R15 maximum
- -1" SAE 100R16 maximum
- -1:1/4" SAE100R17 maximum
- All stainless steel fittings

- Set up time: 30 seconds
- Full cycle time: 30 seconds without adapter bowl
- 20 seconds with adapter bowl

- Optional tooling:
  - Water Oil Enerpac Oil
  - Hydraulic Oil Enerpac Oil

- Note: Cycle times vary depending on hose and fitting styles and sizes.

- Standard Equipment:
  - Model 83C-001 includes:
    - Parkrimp 2 Crimper Head Assembly 83C-001
    - Parkrimp 2 Stand Assembly with 230/460 volt, 3 phase, 50/60 Hz power unit (wired for 230 volt) 83C-S40
    - Adapter Bowl 83C-OCB
    - Spacer Ring 83C-R02
    - Die Kit 83C-KDA

  - Model 83C-081 includes:
    - 83C-001 less dies

  - Model 83C-002 includes:
    - Parkrimp 2 Crimper Head Assembly 83C-002
    - Parkrimp 2 Stand Assembly with 230 Volt, 1 Phase, 60Hz power unit 83C-S20
    - Adapter Bowl 83C-OCB
    - Spacer Ring 83C-R02
    - Die Kit 83C-KDA

  - Model 83C-082 includes:
    - 83C-002 less dies

  - Model 83C-KDA (Die Kit) includes: 43 Series, -4,-6,-8,-12,-16, and -20 dies and 70/71 Series -6,-8,-12,-16,-20,-24 and -32 dies only.

Optional Tooling:
- 26 Series Dies (Silver)
  - -4 (3/16") Cavity Color Coded Red 80C-E04
  - -5 (1/4") Cavity Color Coded Purple 80C-E05
  - -6 (5/16") Cavity Color Coded Yellow 80C-E06
  - -8 (13/32") Cavity Color Coded Blue 80C-E08
  - -10 (1/2") Cavity Color Coded Orange 80C-E10
  - -12 (5/8") Cavity Color Coded Green 80C-E12
  - -16 (7/8") Cavity Color Coded Black 80C-E16
  - -20 (1-1/8") Cavity Color Coded White 80C-E20
  - -24 (1-3/8") Cavity Color Coded Red 80C-E24
  - -32 (1-13/16") Cavity Color Coded Green 80C-E32

- 43 Series Dies (Silver)
  - -4 (1/4") Cavity Color Coded Red 80C-A04
  - -5 (5/16") Cavity Color Coded Purple 80C-A05
  - -6 (3/8") Cavity Color Coded Yellow 80C-A06
  - -8 (1/2") Cavity Color Coded Blue 80C-A08
  - -10 (5/8") Cavity Color Coded Orange 80C-A10
  - -12 (3/4") Cavity Color Coded Green 80C-A12
  - -16 (1") Cavity Color Coded Black 83C-A16H*
  - -20 (1-1/4") Cavity Color Coded White 80C-A20
  - -20 (1-1/4") Cavity Color Coded Bright 83C-A20H*
  - -24 (1-1/2") Cavity Color Coded Red 83C-A24
  - -32 (2") Cavity Color Coded Green 83C-A32

- 70 and 71 Series Dies (Silver)
  - -6 (3/8") Cavity Color Coded Yellow 83C-D06
  - -8 (1/2") Cavity Color Coded Blue 83C-D08
  - -10 (5/8") Cavity Color Coded Orange 83C-D10
  - -12 (3/4") Cavity Color Coded Green 83C-D12
  - -16 (1") Cavity Color Coded Black 83C-D16
  - -16 (1") Cavity Color Coded Black 83C-D16H*
  - -20 (1-1/4") Cavity Color Coded White 83C-D20
  - -20 (1-1/4") Cavity Color Coded White 83C-D20H*
  - -24 (1-1/2") Cavity Color Coded Red 83C-D24
  - -32 (2") Cavity Color Coded Green 83C-D32

- 73 and 78 Series Dies (Olive Drab)
  - -12 (3/4") Cavity Color Coded Green 83C-L12
  - -16 (1") Cavity Color Coded Black 83C-L16
  - -20 (1-1/4") Cavity Color Coded White 83C-L20
  - -24 (1-1/2") Cavity Color Coded Red 83C-L24
  - -32 (2") Cavity Color Coded Green 83C-L32

- 79 Series Dies (Olive Drab)
  - -12 (3/4") Cavity Color Coded Green 83C-L12
  - -16 (1") Cavity Color Coded Black 83C-L16
  - -20 (1-1/4") Cavity Color Coded White 83C-L20

- 81 Series Dies (Silver)
  - -12 Cavity Color Coded 80C-V12
  - -16 Cavity Color Coded 80C-V16
  - -20 Cavity Color Coded 80C-V20
  - -24 Cavity Color Coded 80C-V24
  - -32 Cavity Color Coded 80C-V32

Note: For HY Series Die information, reference Phastkrimp Crimping Equipment page.

Note: Hose assemblies must be inspected for cleanliness and free of all foreign particles.

Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.
Parkrimp 2 Assembly Instructions
Crimping Instructions when the Adapter Bowl IS required.
NOTE: See Technical Manual and Video supplied with each machine for specific operating instructions.

1. Mark the hose insertion depth and push hose into fitting until the mark on the hose is even with the end of the shell (DO NOT use any lubricant to assemble spiral hose and fittings). Hose Insertion Depth table is on page C-26.

3. Lubricate Die Bowl using a premium quality lithium base grease. Carefully insert the adapter bowl, 83C-OCB, into the base bowl. The adapter bowl must be tilted toward the back of the crimper during insertion. See decal on side of crimper for proper tool selection.

4. Lubricate Die Bowl using a premium quality lithium base grease. Place unitized die-train into the adapter bowl. See decal on crimper for proper die set.

5. If required, place spacer ring on locating step of adapter bowl. Reference hose/die selection chart on pages C-3—C-7 for usage.

2. With the pusher in the full up position, lift the back half of the split die ring. Lock it in the up position by pushing the slide pin in. (The slide pin is located inside the pusher at the back.)

4b. Insert the front half of the split die ring aligning the pin in the back half with the hole in the front half.

6. Lower the back half of the split die ring onto the dies by pulling the slide pin forward.

7. Insert the front half of the split die ring aligning the pin in the back half with the hole in the front half.

8a. Position hose in dies from below.

8b. Rest bottom of coupling on die step using PARKALIGN® feature. Once positioned, go to Step 7 on page C-20.

1a. Place 81 Series Shell onto end of hose and make sure the end of the shell lines up with the Insertion Depth mark. See chart on page C-26 for Insertion Depths.

1b. Push hose onto the 88 Series fitting until the shell in Step 1a bottoms against the fitting's stop ring or hex. Lubricate hose if necessary.

2. Lubricate Die Bowl using a premium quality lithium base grease. Carefully insert the adapter bowl, 83C-OCB, into the base bowl. The adapter bowl must be tilted toward the back of the crimper during insertion. See decal on side of crimper for proper tool selection.

3. Place 81 Series Shell onto end of hose and make sure the end of the shell lines up with the Insertion Depth mark. See chart on page C-26 for Insertion Depths.

4. Lubricate Die Bowl using a premium quality lithium base grease. Place unitized die-train into the adapter bowl. See decal on crimper for proper die set.

5. If required, place spacer ring on locating step of adapter bowl. Reference hose/die selection chart on pages C-3—C-7 for usage.

6. Lower the back half of the split die ring onto the dies by pulling the slide pin forward.

7. Insert the front half of the split die ring aligning the pin in the back half with the hole in the front half.

8a. Position hose in dies from below.

8b. Rest bottom of coupling on die step using PARKALIGN® feature. Once positioned, go to Step 7 on page C-20.

Note: See page C-26 for Parkrimp crimp diameters.
Note: Hose assemblies must be inspected for cleanliness and free of all foreign particles.
Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.
**Parkrimp 2 Assembly Instructions**

**Crimping instructions when the Adapter Bowl IS NOT required.**

**NOTE:** See Technical Manual and Video supplied with each machine for specific operating instructions.

1. Mark the hose insertion depth and push hose into fitting until the mark on the hose is even with the end of the shell (DO NOT use any lubricant to assemble spiral hose and fittings). Hose Insertion Depth table is on page C-26.

1a. Place 81 Series Shell onto end of hose and make sure the end of the shell lines up with the Insertion Depth mark. See chart on page C-26 for Insertion Depths.

1b. Push onto the 88 Series fitting until the shell in Step 1a bottoms against the fitting’s stop ring or hex. Lubricate hose if necessary.

2. With the pusher in the full up position, lift the back half of the split die ring. Lock it in the up position by pushing the slide pin in. (The slide pin is inside the pusher at the back.) Pull pin at the top of pusher to swing it back. Lubricate Die Bowl using a premium quality lithium base grease.

3a. Insert the proper size and series die set into the die bowl. (The die sets are in two halves of four dies each. Place one half in the back and one half in the front to facilitate removal of bent tube fittings.) Reference hose/die selection charts on pages C-3—C-7 or decal on crimp cover for proper tool selection.

3b. If required, place spacer plate around dies. Reference hose/die selection charts on pages C-3—C-7.

4. Lower the back half of the split die ring onto the dies by pulling the slide pin forward.

5. Insert the front half of the split die ring aligning the pins in the back half with the hole in the front half.

6. Position hose in dies from below.

6b. Rest bottom of coupling on die step using PARKALIGN® feature.

7. Turn on the pump by depressing the “ON” switch. Pull the valve handle forward to bring the pusher down for crimping. When the split die ring contacts the base plate, the crimp is complete. Push the valve handle back to lift the pusher, open the dies, and release the finished assembly.

8. You do not have to remove any tooling to remove or insert straight fittings. The front half of the split die ring and the front die train must be removed to insert and remove bent tube fittings.

**Note:** See page C-26 for Parkrimp crimp diameters.

**Note:** Hose assemblies must be inspected for cleanliness and free of all foreign particles.

**Note:** Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.