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U.S. Patent No. 4,527,414 and 4,577,485



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:

<u>Dimensions</u>	28" wide, 22" deep, 70" high
<u>Weight</u>	Head-558 lbs., Base-284 lbs., Total-843 lbs.
<u>Rating</u>	125 tons force @ 5,000 psi maximum
<u>Capability</u>	- 2" SAE 100R1AT 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 100R9AT 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

<u>Set up time</u>	30 seconds
<u>Full cycle time</u>	30 seconds without adapter bowl 20 seconds with adapter bowl

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

Hydraulic Oil Enerpac Oil

Note: *83C-A16H, 83C-A20H, 83C-D16H, and 83C-D20H are used with jump size fittings and certain metric fittings to permit insertion and removal of fittings.
Note: The 83C-R02H Spacer Plate must be used when using the 83C-A16H, 83C-A24, 83C-A20H or 83C-A32 to crimp SAE 100R2 and 100R4 hose.

Standard Equipment:

Model 83C-001 includes:

• Parkrimp 2 Crimper Head Assembly	83C-080
• 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: • Model 83C-001 less dies

Model 83C-002 includes:

• Parkrimp 2 Crimper Head Assembly	83C-080
• 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: • Model 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:

• Spacer Plate	83C-R02H
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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	83C-E20
• -24 (1-3/8")	Cavity Color Coded Red	83C-E24
• -32 (1-13/16")	Cavity Color Coded Green	83C-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	80C-A16
• -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 White	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 (Black)

• -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	83C-V24
• -32	Cavity Color Coded	83C-V32

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

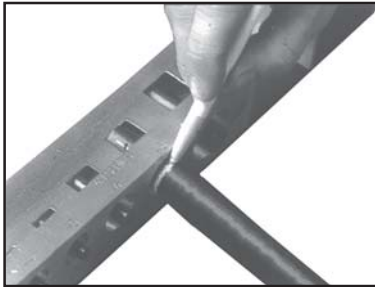
Note: Hose assemblies must be inspected for cleanliness and free of all foreign particles.
Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express 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.



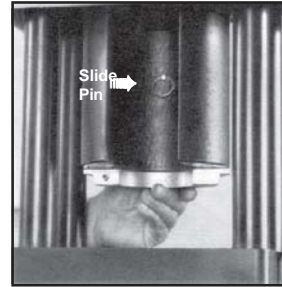
1. Mark the hose insertion depth and push hose into fitting until the mark on the hose is even with the end of the shell (**DO NOT use any lubricant to assemble spiral hose and fittings**). Hose Insertion Depth table is on page C-26.



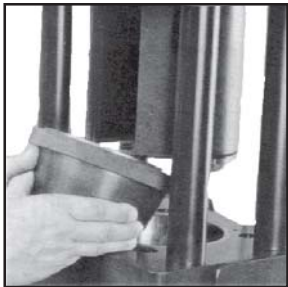
1a. Place 81 Series Shell onto end of hose and make sure the end of the shell lines up with the Insertion Depth mark. See chart on page C-26 for Insertion Depths.



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. 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.)



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.



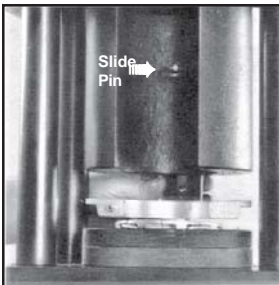
4. Lubricate Die Bowl using a premium quality lithium base grease. Place unitized die-train into the adapter bowl. See decal on crimper for proper die set.
Note: Die sets have color coded cavities indicating size and have the fitting series and dash size stamped on the top.
Note: Select correct dies and die ring based on size. See Parkrimp Tool Selection Chart on pages C-3—C-7.



Color Coded Unitized Die-Train



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.



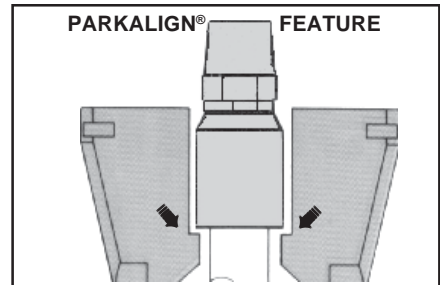
6. Lower the back half of the split die ring onto the dies by pulling the slide pin forward.



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.

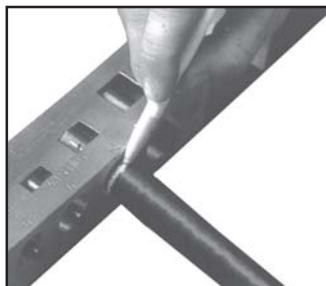
Note: Parker Hannifin will not accept responsibility for the operation of, or provide warranty coverage for, a crimper that is operated by a power unit other than equipment supplied by Parker Hannifin for the express purpose of operating the crimper.

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.

Hose
A



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.

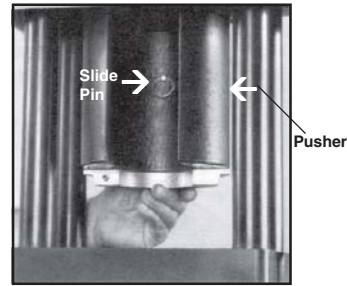
Fittings
B



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.

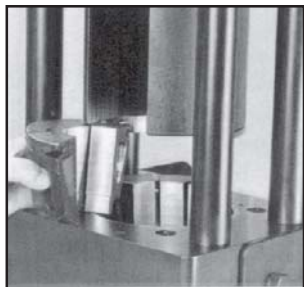


1b. Push hose onto the 88 Series fitting until the shell in Step 1a bottoms against the fitting's stop ring or hex. Lubricate hose if necessary.

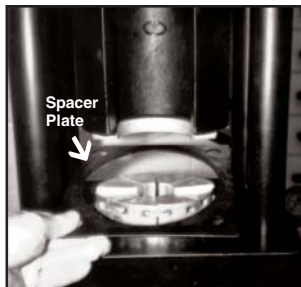


2. With the pusher in the full up position, lift the back half of the split die ring. Lock it in the up position by pushing the slide pin in. (The slide pin is inside the pusher at the back.) Pull pin at the top of pusher to swing it back. Lubricate Die Bowl using a premium quality lithium base grease.

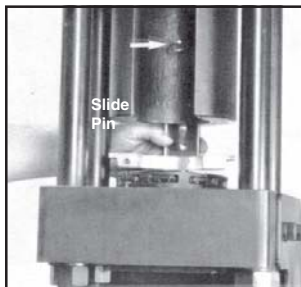
Parkrimp Crimping Equipment
C



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 chart 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.



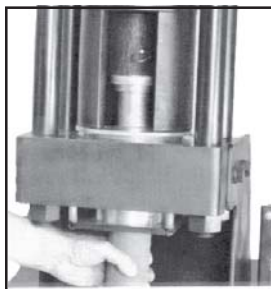
4. Lower the back half of the split die ring onto the dies by pulling the slide pin forward.



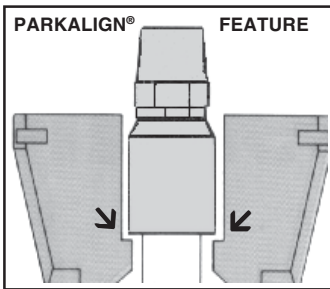
5. Insert the front half of the split die ring aligning the pins in the back half with the hole in the front half.

Hose Assembly Equipment
D

Adapters
E



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.

Accessories
F

Appendices
G

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.