



# Utilities Combinations

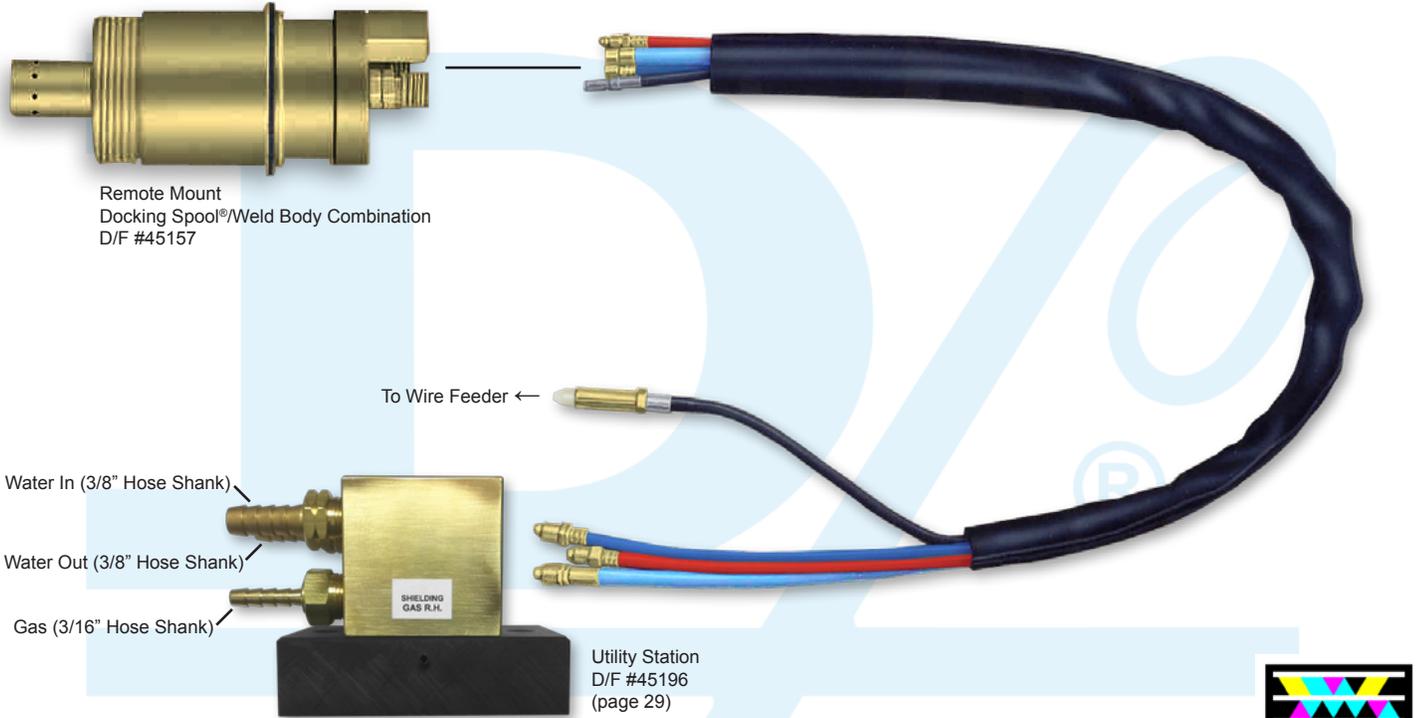
## Docking Spool® Assembly

D/F MACHINE SPECIALTIES  
 1750 Howard Drive  
 North Mankato, MN 56003  
 Phone: (507) 625-6200  
 Fax: (507) 625-6203

### UTILITIES COMBINATION - DOCKING SPOOL® ASSEMBLY

Typical modern torch setups utilize a unitized cable assembly with the gas, water, power and conduit combined into a single replaceable unit. When one cable goes bad the whole unit is replaced. This can be expensive. Also, this approach does not allow for a large enough inner power cable needed for necessary high amperages, and it is restricted in size by small passages for water, gas and wire. Water-cooling and gas coverage are both limited by the size restrictions.

D/F torches take an alternative approach to the setup. The torches use a separate gas hose, water in hose, Water Out & Power Cable, and casing/conduit. When one cable goes bad it is simply replaced instead of attaching an entire new unitized cable assembly; a huge cost saver! This is also where the D/F Utility Station comes into play. The gas hose, water-in hose, and Water Out & Power Cable are interfaced with the customer's existing lines via the Utility Station. The D/F torch leads plug into the front. Into the back go the customer's utilities along with a 4/0 power cable. This is how the D/F barrels are powered, NOT with a power cable to the wire feeder. The power must travel through the Utility Station and down to the torch via the Water Out & Power Cable, hence the name.



### ORDERING INFORMATION (Utilities Combinations)

| CODE NO. | DESCRIPTION  |
|----------|--|
| 46620    | .030\"-.035\" Utility Combination (46350 Casing - Requires Liner)    |
| 46621    | .035\"-1/16\" Utility Station (46370 Casing - Requires Liner)        |
| 46621    | 3/64\"-3/32\" AL Utility Combination (46370 Casing - Requires Liner) |
| 46622    | .035\"-.045\" Utility Combination (46420 Casing - Single Piece)      |
| 46623    | .045\"-1/16\" Utility Combination (46440 Casing - Single Piece)      |
| 46624    | 5/64\"-3/32\" Utility Combination (46460 Casing - Single Piece)      |
| 46625    | 7/64\"-1/8\" Utility Combination (46480 Casing - Single Piece)       |

NOTE: Add Footage to Code Number for Length Desired

Example: Require 8 Ft. Utilities Combination (.035\"-1/16\" Wire Diameter): Code No. 46621-8

### ORDERING INFORMATION (Casings)

| CODE NO. | DESCRIPTION  |
|----------|--|
| 46350    | .030\"-.035\" Requires 5/64\"-3/32\" Casing with .030\"-.035\" Liner |
| 46370    | .035\"-1/16\" Casing (Requires Liner)                                |
| 46420    | .035\"-.045\" Casing (Single Piece)                                  |
| 46440    | .045\"-1/16\" Casing (Single Piece)                                  |
| 46460    | 5/64\"-3/32\" Casing (Single Piece)                                  |
| 46480    | 3/32\"-1/8\" Casing (Single Piece)                                   |

### ORDERING INFORMATION (Liners)

| CODE NO. | DESCRIPTION         | WIRE TYPE  |
|----------|---------------------|------------|
| 47020    | .030\"-.035\" Liner | Hard/Cored |
| 47021    | .035\"-.045\" Liner | Hard/Cored |
| 47022    | .045\"-1/16\" Liner | Hard/Cored |
| 47023    | 3/64\" Liner        | Aluminum   |
| 47024    | 1/16\" Liner        | Aluminum   |
| 47025    | 3/32\" Liner        | Aluminum   |
| 47026    | 1/8\" Liner         | Aluminum   |