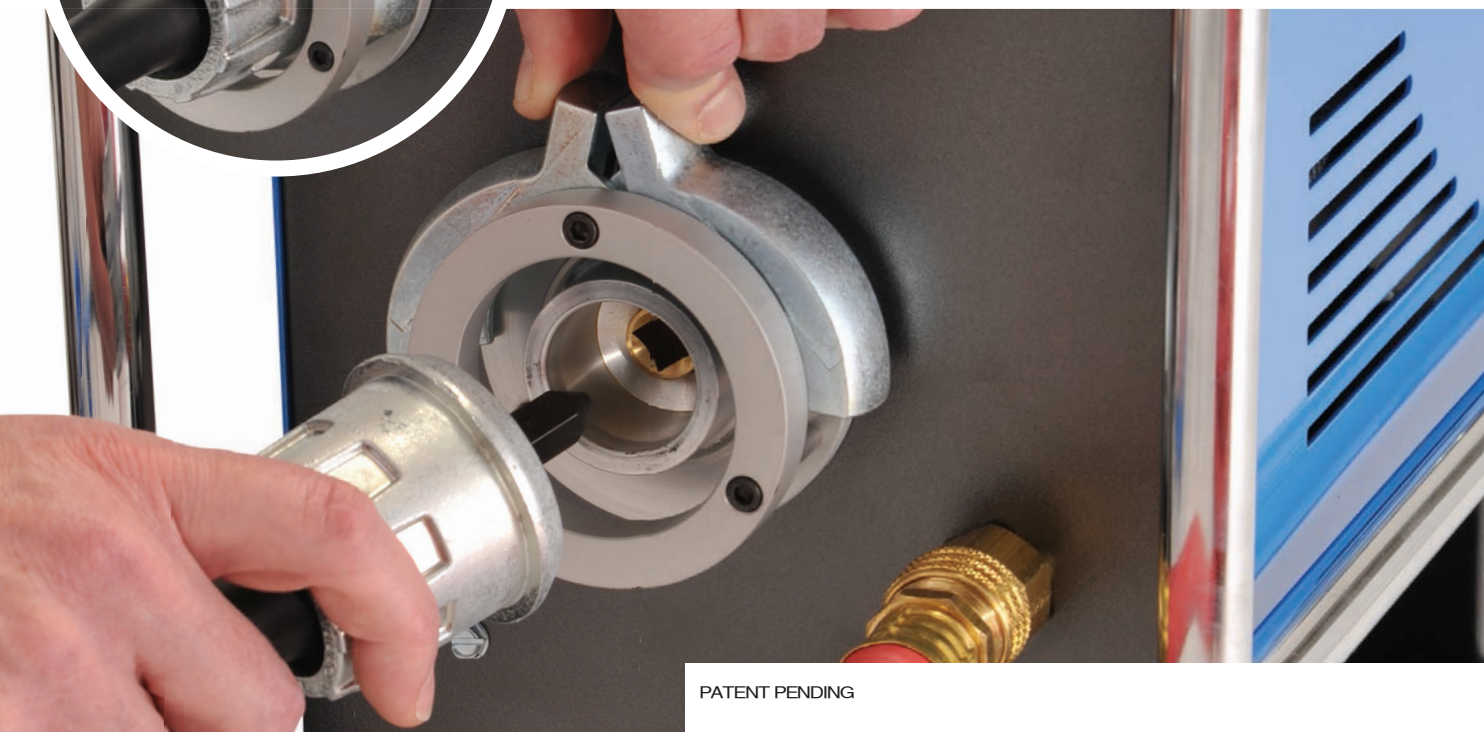
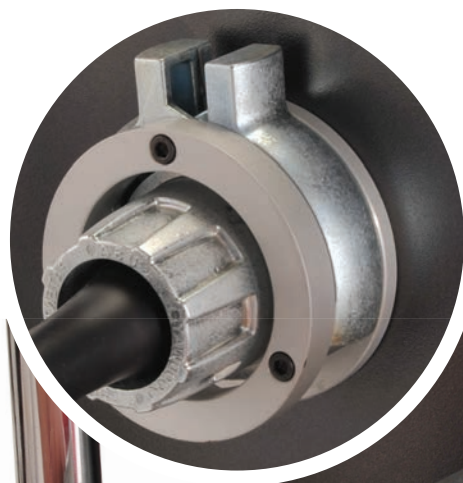


# Quick Connect Couplings—Engineered To Save Time

COMPATIBLE WITH BOTH OLD AND NEW MACHINES

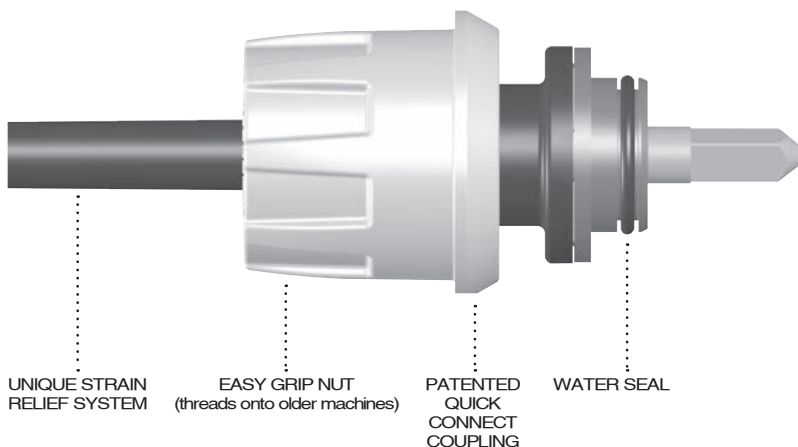
## QUICK CONNECT SHAFT Coupling

All Goodway flexible shafts are now manufactured using the faster “Quick Connect Shaft” design. No more lining up and screwing on the disconnect nut as with the old style machines and shafts. All Goodway tube cleaning machines are now shipped with the new manifold quick connect design. The shafts simply snap into place saving valuable time during set up. For existing Goodway tube cleaning machine users there is no need for any kind of adapter or modification. The “Quick Connect Shaft” can also be retrofitted to older machines with an existing thread on manifold connection.



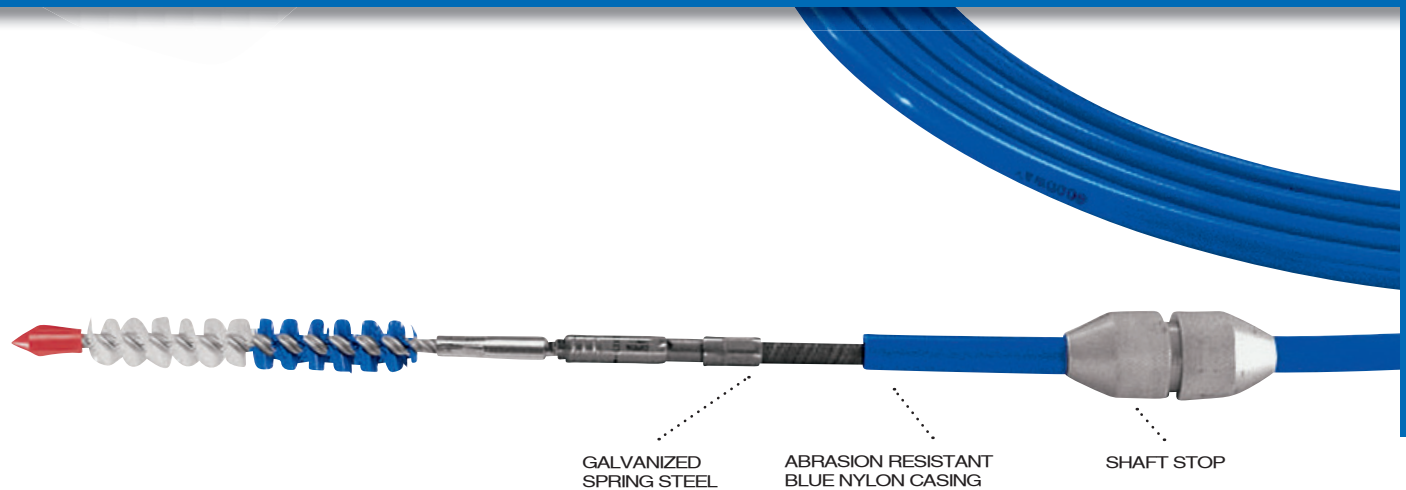
### FEATURES

- > Faster, easier shaft connection saves time
- > Securely snaps into place
- > Quick release disconnect
- > Works with older style Goodway tube cleaners
- > No modification necessary



# Extended Wear And Durability

GOODWAY FLEXIBLE SHAFTS OUTLAST ALL OTHERS ON THE MARKET.



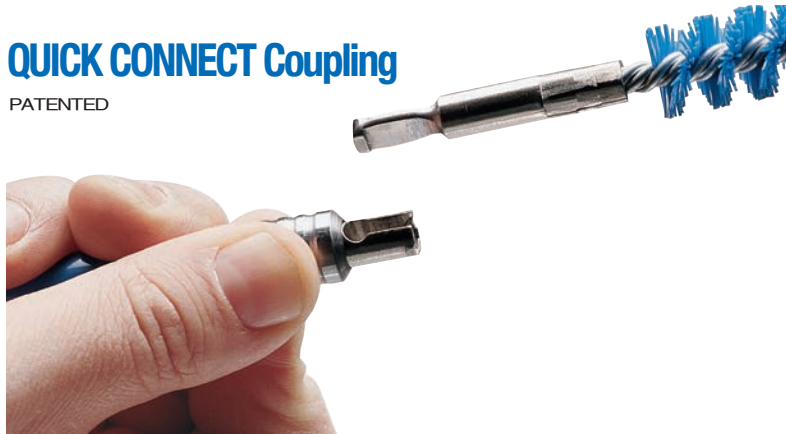
## FLEXIBLE SHAFTS – Leading the industry

Goodway's exclusive Quick Connect Shaft coupling and Quick Connect Tool coupling allow you to connect to the tube cleaner and change brushes up to 30 times faster than standard threaded shaft couplings—no more threaded couplings. Quick Connect shafts feature a tough abrasion resistant casing designed to withstand harsh industrial environments. The high visibility blue nylon exterior reduces tripping hazards for added safety. The shaft's unique strain relief system is custom-molded with a variable thickness to allow for a gradual radial bend that is far superior to a spring or coiled wire. A galvanized spring steel core comprised of multiple counter rotated windings provides unmatched performance. Shaft life is increased with the use of a self-lubricating shaft insert for reduced friction and extended durability. A repositionable shaft stop lets you know when the end of the tube has been reached.

Flexible Shaft Dimensions					
Shaft No.	Casing O.D.	Tool End Thread	Shaft No.	Casing O.D.	Tool End Thread
701	1/4"	8-32 female	720	3/4"	1/2-12 female
702	3/8"	1/4-28 female	721	7/8"	1/2-12 female
703	1/2"	1/4-28 female	721G	7/8"	1/2-12 female
704	9/16"	1/4-28 female	821	7/8"	1/2-12 female

## QUICK CONNECT Coupling

PATENTED



### FEATURES

- > Quicker brush change saves time
- > Brushes can not twist off shaft with machine in reverse
- > No tools required to change brushes



**Note:** Look for this symbol for Quick Connect Couplings.

# Flexible Shafts For Wet Applications

EXCLUSIVE SHAFT TECHNOLOGY HANDLES ALL TUBE CLEANING APPLICATIONS.

## Wet Applications:

### Flexible Shafts (Nylon Casing) for Tubes 1/4"-3/8" I.D.

**GTC-701-12** Flexible Shaft, 12'

**GTC-701-25** Flexible Shaft, 25'

### Flexible Shafts (Nylon Casing) for Tubes 7/16"-1/2" I.D.

**GTC-702Q-12** Flexible Shaft, 12'

**GTC-702Q-17** Flexible Shaft, 17'

**GTC-702Q-25** Flexible Shaft, 25'

**GTC-702Q-35** Flexible Shaft, 35'

**GTC-702Q-45** Flexible Shaft, 45'

### Flexible Shafts (Nylon Casing) for Tubes 9/16"-1" I.D.

**GTC-703Q-12** Flexible Shaft, 12'

**GTC-703Q-17** Flexible Shaft, 17'

**GTC-703Q-25** Flexible Shaft, 25'

**GTC-703Q-35** Flexible Shaft, 35'

**GTC-703Q-45** Flexible Shaft, 45'

**GTC-703Q-60** Flexible Shaft, 60'

**GTC-703Q-75** Flexible Shaft, 75'

### Flexible Shafts (Nylon Casing) for Tubes 1 1/16"-1" I.D.

**GTC-704Q-12** Flexible Shaft, 12'

**GTC-704Q-17** Flexible Shaft, 17'

**GTC-704Q-25** Flexible Shaft, 25'

**GTC-704Q-35** Flexible Shaft, 35'

**GTC-704Q-45** Flexible Shaft, 45'

**GTC-704Q-60** Flexible Shaft, 60'

**GTC-704Q-75** Flexible Shaft, 75'

### Flexible Shafts (Nylon Casing) for Tubes 1" I.D. and Up

**GTC-720-15** Flexible Shaft, 15'

**GTC-720-25** Flexible Shaft, 25'

**GTC-720-35** Flexible Shaft, 35'

**GTC-720-50** Flexible Shaft, 50'

**Note:** GTC-702Q, GTC-703Q and GTC-704Q Flexible Shafts are available with standard threaded tool couplings. To order, remove the "Q" from the part number.

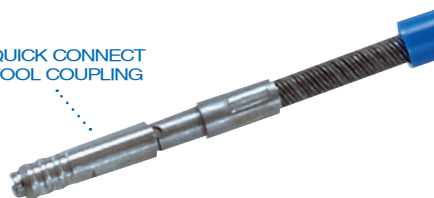
**Note:** GTC-702, GTC-703, GTC-703Q, GTC-704 and GTC-704Q Flexible Shafts for use with a RAM-5DC Speed-Feed Tube Cleaner require a special shaft stop. To order, add the suffix R5 to the part number and \$20.00 to the price.



GTC-701, GTC-702, GTC-703, GTC-704, GTC-720



QUICK CONNECT  
TOOL COUPLING



THREADED  
TOOL COUPLING



#### Quick Connect Couplings



**Note:** To Order Shafts and Brushes with Quick Connect Couplings, add "Q" to the part number.

#### Threaded Couplings



**Note:** To Order Shafts and Brushes with Threaded Couplings, remove the "Q" from the part number.

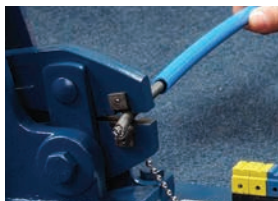


GTC-702/703/704 Only



# Do-It-Yourself Shaft Maintenance

CUTTING, CRIMPING, COUPLING AND MORE



1. Cut Shaft



2. Form Shaft



3. Crimp On Replacement Coupling



## Flexible Shaft Cutting and Crimping Press:

The Flexible Shaft Cutting and Crimping Press is specifically designed for use with Goodway GTC-701, GTC-702 and GTC-703 Flexible Shafts. This unique tool will allow the user to quickly cut and repair flexible shafts in the field without the use of any other tools.

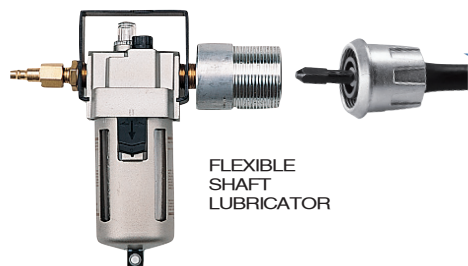
**PCC-BASE** Flexible Shaft Cutting and Crimping Press with cutting dies

**Note:** Crimping dies not included. Order crimping dies below.

**DIE-SET-701** Dies for GTC-701 Flexible Shafts

**DIE-SET-702** Dies for GTC-702 Flexible Shafts

**DIE-SET-703** Dies for GTC-703 Flexible Shafts



FLEXIBLE  
SHAFT  
LUBRICATOR

**Flexible Shaft Lubricator:** The Goodway Flexible Shaft Lubricator allows for fast, easy protection of flexible shafts in between uses. Simply fill the lubricator with water-soluble lubricant, connect the flexible shaft and attach a compressed air line (maximum 150 PSI – quick connect fits Goodway air line #ASH-B50-A – see page 21). The flow of air and lubricant displaces water and coats the shaft core to protect it from harmful rust and corrosion. Lubricant flushes out with water when shaft is used again.

**GSL-705** Flexible Shaft Lubricator with quick connect

**GSL-LU1** Lubricant for flexible shaft lubricator, 16 oz



CRIMPING  
BLOCK

## Crimping Block:

Goodway's Crimping Block provides the user with quick, convenient methods for performing repairs of flexible shafts in the field. Used properly, each will permanently attach repair couplings, extending the life of the flexible shaft while reducing downtime when a repair is needed.

**GTC-CT5** Crimping Block with punch

**GTC-CTP** Replacement Punch

### Flexible Shaft Repair Couplings:

Couplings are available for quick connect and standard threaded shaft. Please check your shaft before ordering.

### Standard Threaded Tool End Repair Couplings

**717-1** Coupling for GTC-701 Flexible Shafts

**717-2** Coupling for GTC-702 Flexible Shafts

**717-3** Coupling for GTC-703 Flexible Shafts

**717-6** Coupling for GTC-704 Flexible Shafts

**717-4** Coupling for GTC-720/721/721G/821 Flexible Shafts

### Quick Connect Tool End Repair Couplings

**717-2Q** Coupling for GTC-702Q Flexible Shafts

**717-3Q** Coupling for GTC-703Q Flexible Shafts

**717-6Q** Coupling for GTC-704Q Flexible Shafts

### Flexible Shaft Drive End Repair Couplings

**713-1** Coupling for GTC-701 Flexible Shafts

**713-2** Coupling for GTC-702 Flexible Shafts

**713-3** Coupling for GTC-703 Flexible Shafts

**713-5** Coupling for GTC-704 Flexible Shafts

**713-6** Coupling for GTC-720/721/721G/821 Flexible Shafts

### Flexible Shaft Repair Kits:

Flexible shaft repair kits include four drive end repair couplings, four thrust washers, four tool end repair couplings, four O-rings, one crimping tool with punch, one flexible shaft lubricator with quick disconnect, and two 16 oz bottles of lubricant for flexible shaft lubricator.

### Standard Threaded Flexible Shaft Repair Kits

**REP-701-KIT** Repair Kit for GTC-701 Flexible Shafts

**REP-702-KIT** Repair Kit for GTC-702 Flexible Shafts

**REP-703-KIT** Repair Kit for GTC-703 Flexible Shafts

**REP-704-KIT** Repair Kit for GTC-704 Flexible Shafts

**REP-720-KIT** Repair Kit for GTC-720 Flexible Shafts

### Quick Connect Flexible Shaft Repair Kits

**REP-702Q-KIT** Repair Kit for GTC-702Q Flexible Shafts

**REP-703Q-KIT** Repair Kit for GTC-703Q Flexible Shafts

**REP-704Q-KIT** Repair Kit for GTC-704Q Flexible Shafts



THREADED TOOL END  
REPAIR COUPLING



QUICK CONNECT TOOL  
END REPAIR COUPLING



DRIVE END  
REPAIR COUPLING



FLEXIBLE SHAFT  
REPAIR KIT



Tube Size	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Wall Thickness	0.109	0.095	0.083	0.072	0.065	0.058	0.049	0.042	0.035	0.032	0.028	0.025	0.022	0.020
Inside 1/4"	0.032	0.060	0.084	0.106	0.120	0.134	0.152	0.166	0.180	0.186	0.194	0.200	0.206	0.210
3/8"	0.175	0.185	0.209	0.231	0.245	0.259	0.277	0.291	0.305	0.311	0.319	0.325	0.331	0.335
1/2"	0.282	0.310	0.334	0.356	0.370	0.384	0.402	0.416	0.430	0.436	0.444	0.450	0.456	0.460
5/8"	0.407	0.435	0.459	0.481	0.495	0.509	0.527	0.541	0.555	0.561	0.569	0.575	0.581	0.585
3/4"	0.532	0.560	0.584	0.606	0.620	0.634	0.652	0.666	0.680	0.686	0.694	0.700	0.706	0.710
7/8"	0.657	0.685	0.709	0.731	0.745	0.759	0.777	0.791	0.805	0.811	0.819	0.825	0.831	0.835
1"	0.782	0.810	0.834	0.854	0.870	0.884	0.902	0.916	0.930	0.936	0.944	0.950	0.956	0.960

# Flexible Shafts For Dry & High Temperature Applications

EXCLUSIVE SHAFT TECHNOLOGY HANDLES ALL TUBE CLEANING APPLICATIONS.

## Dry Applications:

**Flexible Shafts (Covered Steel Casing)  
for Tubes 1" I.D. and Up**

**GTC-721-15** Flexible Shaft, 15'

**GTC-721-25** Flexible Shaft, 25'

**GTC-721-35** Flexible Shaft, 35'

**GTC-721-50** Flexible Shaft, 50'

**Flexible Shafts (Heat Resistant 300°F Rigid  
Covered Steel Casing) for Tubes 1" I.D. and Up**

**GTC-721G-15** Flexible Shaft, 15'

**GTC-721G-25** Flexible Shaft, 25'

**GTC-721G-35** Flexible Shaft, 35'

**GTC-721G-50** Flexible Shaft, 50'

**Flexible Shafts (High Temperature Tolerant  
450°F Stainless Steel Casing) for Tubes 1" I.D.  
and Up**

**GTC-821-15** Flexible Shaft, 15'

**GTC-821-25** Flexible Shaft, 25'

**GTC-821-35** Flexible Shaft, 35'

**GTC-821-50** Flexible Shaft, 50'



GTC-721



GTC-721G

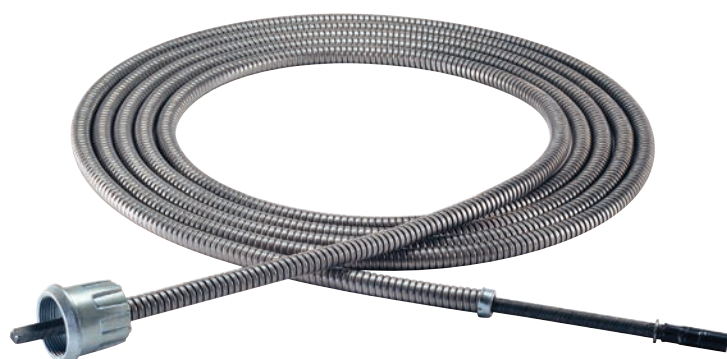
## Threaded Couplings



**Note:** To Order Shafts and Brushes with Threaded Couplings, remove the "Q" from the part number.

THREADED  
TOOL COUPLING





GTC-821