

# STIRRER COUPLINGS

## CG-2043 TRU-STIR™ STIRRER SHAFT COUPLING, TOOL-FREE

The unique design of our Tool-Free Tru-Stir™ stirrer shaft coupling eliminates the need to use rubber hose or universal adapters to attach your stirrer shafts to overhead stir motors. Coupling incorporates a unique helical stainless steel spring permitting up to 1/4" of offset misalignment and 45° of angular misalignment. Coupling is rated for 24 in-lbs of torque without the backlash normally associated with common coil springs.

Lower portion of coupling has an anodized aluminum compression nut that secures a 10mm diameter stirrer shaft via a neoprene insert. This unique design allows a Tool-Free connection between the stirrer shaft and coupling. Upper adapter is 5/16" diameter, which permits the coupling to be used with a standard Jacobs style 3-jaw chuck. Overall length of the coupling is 4 3/4".

Part Number	Fits Stirrer Shaft OD	Male Upper Coupling	For Use With Motor
CG-2043-01	10mm	5/16"	CG-2034-01



CG-2043

## CG-2044 TRU-STIR™ STIRRER SHAFT COUPLING

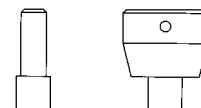
The unique design of our Tru-Stir™ stirrer shaft coupling eliminates the need to use rubber hose or universal adapters to attach your stirrer shafts to overhead stir motors. Coupling incorporates a unique helical S.S. spring permitting up to 1/4" of offset misalignment and 45° of angular misalignment. Coupling is rated for 24 in-lbs of torque without the backlash normally associated with common coil springs.

Lower portion of coupling has a nylon adapter with a one piece collar for attachment to 10, 19, 25.4 and 30mm stir shafts. Upper adapters permit the coupling to be used with a standard Jacobs style 3-jaw chuck or motors having shaft diameters of 5/16", 3/8", 12mm, 1/2", 5/8" or 3/4". Adapter is also available for use with CG-2047 flexible shafts having 5/16" end fittings. Overall length of the coupling is 4". Supplied complete with an allen wrench set. **PLEASE NOTE: STIRRER SHAFT COUPLING TO FIT 25.4MM AND 30MM OD STIRRER SHAFTS HAVE A HEAVY DUTY HELICAL S.S. SPRING.**

Part Number	Fits Stirrer Shaft OD	Male Upper Coupling	For Use With Motor
CG-2044-01	10mm	3/8"	CG-2034-01
CG-2044-02	12.7mm	3/8"	CG-2034-01
CG-2044-03	19mm	3/8"	CG-2034-01
CG-2044-04	10mm	5/16"	CG-2047 Flexible Shaft
CG-2044-05	12.7mm	5/16"	CG-2047 Flexible Shaft
CG-2044-06	19mm	5/16"	CG-2047 Flexible Shaft



CG-2044

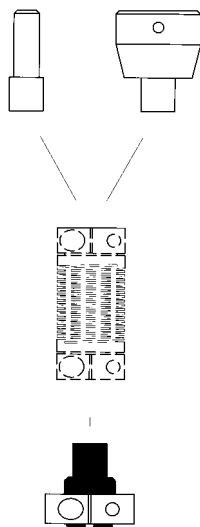


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# STIRRER COUPLINGS



**CG-2044**



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## CG-2044 TRU-STIR™ STIRRER SHAFT COUPLING

### Upper Female Coupling For Use With Fixed Overhead Motors:

Part Number	Fits Stirrer Shaft OD	Female Upper Coupling	For Use With Motor
CG-2044-10	10mm	5/16"	CG-2035-01
CG-2044-11	12.7mm	5/16"	CG-2035-01
CG-2044-12	10mm	3/8"	CG-2021 thru CG-2025
CG-2044-13	12.7mm	3/8"	CG-2021 thru CG-2025
CG-2044-14	19mm	3/8"	CG-2021 thru CG-2025
CG-2044-15	10mm	1/2"	CG-2025-20
CG-2044-16	19mm	1/2"	CG-2025-20
CG-2044-17	25.4mm	1/2"	CG-2025-20
CG-2044-20	19mm	5/8"	CG-2033-10
CG-2044-21	25.4mm	5/8"	CG-2033-10
CG-2044-22	30mm	5/8"	CG-2033-10
CG-2044-30	19mm	3/4"	CG-2033-11
CG-2044-31	25.4mm	3/4"	CG-2033-11
CG-2044-32	30mm	3/4"	CG-2033-11
CG-2044-40	10mm	12mm	CG-2032
CG-2044-41	19mm	12mm	CG-2032

### Replacement Components:

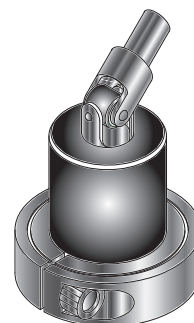
Part Number	Description
CG-2044-50	3/8" Double Male Motor Adapter
CG-2044-52	3/8" To 5/16" Male Motor Adapter
CG-2044-53	5/16" Upper Female Motor Adapter (Purple)
CG-2044-54	3/8" Upper Female Motor Adapter (Red)
CG-2044-55	1/2" Upper Female Motor Adapter (Aqua Marine)
CG-2044-56	5/8" Upper Female Motor Adapter (Gold)
CG-2044-57	3/4" Upper Female Motor Adapter (Black)
CG-2044-58	12mm Upper Female Motor Adapter (Green)
CG-2044-60	10mm Shaft Adapter with Collar
CG-2044-61	12.7mm Shaft Adapter with Collar
CG-2044-62	19mm Shaft Adapter with Collar
CG-2044-63	25.4mm Shaft Adapter with Collar
CG-2044-64	30mm Shaft Adapter with Collar

# STIRRER COUPLINGS / MOTORS

## CG-2046 STIRRER SHAFT COUPLING, UNIVERSAL

Coupling incorporates a universal joint to compensate for misalignment of drive motor and glass stirrer shaft. Nylon bushing compresses around shaft using an allen screw. Stainless steel stud attaches directly to the chuck of a stirrer motor. Supplied complete with an allen wrench. **PLEASE NOTE: OTHER THAN OUR CG-2097 PROCESS REACTOR STIRRER SHAFTS, CHEMGLASS 19MM OD STIRRER SHAFTS HAVE A REDUCED TOP DIAMETER OF 12.7MM. WHEN ORDERING A UNIVERSAL COUPLING FOR A CHEMGLASS 19MM OD STIRRER SHAFT, USE PART NUMBER CG-2046-03.**

Part Number	Fits Stirrer Shaft OD	Stud OD (in)
CG-2046-01	6mm	1/4
CG-2046-02	10mm	1/4
CG-2046-03	12.7mm	3/8
CG-2046-04	19mm	3/8
CG-2046-05	25.4mm	3/8
CG-2046-06	30mm	3/8

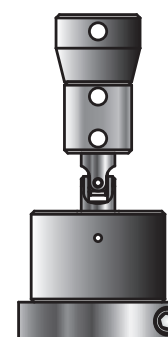


CG-2046

## CG-2046 STIRRER SHAFT COUPLING, UNIVERSAL, PROCESS REACTOR, 30L THRU 100L

Incorporates a universal stirrer shaft coupling (CG-2046) to compensate for misalignment of drive motor and glass stirrer shaft. Nylon bushing compresses around shaft using an allen screw. Stainless steel stud and upper coupling attach directly to the motor shaft. For use with 30L thru 100L process reactor systems.

Part Number	Fits Stirrer Shaft OD	Female Upper Coupling	For Use With Motor
CG-2046-90	25.4mm	3/4"	CG-2033-11
CG-2046-91	25.4mm	1/2"	CG-2025-20
CG-2046-92	25.4mm	5/8"	CG-2033-X-11
CG-2046-95	30mm	3/4"	CG-2033-11
CG-2046-96	30mm	1/2"	CG-2025-20
CG-2046-97	30mm	5/8"	CG-2033-X-11



CG-2046-90

## CG-2025 STIRRER, AIR DRIVEN, PROCESS REACTOR

Air driven stirrer for use whenever the use of an electrical stirrer might be hazardous or impractical. Ideal for mixing all types of solvents, lacquers and volatile chemicals without the possibility of spark ignition. Motor delivers up to 3/8 Hp, 50 in-lbs of torque, and 333 MAX RPM @ 80 PSI. A needle valve controls the mixing speed. Motor shaft size is 1/2" OD. Supplied complete with 4ft length of air hose with double fittings for connection to air supply.

Part Number	Air Motor Type	Speed Range (RPM)	Constant Torque (in-lbs)	Gear Ratio
CG-2025-20	Process Reactor	50 to 333	50	50



CG-2025-20