

SHAFT STIRRERS

Shaft Stirrers have a unique, fully moulded construction featuring a PTFE rotor moulded to a fully PTFE encapsulated steel reinforced drive shaft.

- **Chemically inert**
- **Easy to clean**
- **No cross contamination**
- **Unbreakable**
- **Non Scratch**
- **Use up to ca. 280°C**

Plus

- **Exposed stainless steel core version (EX) for extra rigid clamping in the drive chuck**
- **Exposed length 50mm**



Exposed End

Ref No.	Shaft Ø (mm)	Length (mm)	Rotor Ø (mm)
005.230.2	6	300	40
.240.2	6	400	40
.250.2	6	500	50
.230.8.2	8	300	40
.240.8.2	8	400	40
.250.8.2	8	500	50
.255.2	9.5	550	60
.265.2	9.5	650	60
.0265.2	9.5	650EX	60
.0275.2	9.5	750EX	60
.255.10.2	10	550	70
.0265.10.2	10	650EX	70
.0275.10.2	10	750EX	70
.0265.12.2	12	650EX	80
.0275.12.2	12	750EX	80
.02100.12.2	12	1000EX	80
.0275.16.2	16	750EX	80
.0275.16.1.2	16	750EX	100
.02100.16.2	16	1000EX	100
.02100.16.1.2	16	1000EX	120

SCREW PROPELLER



Ref No.	Shaft Ø (mm)	Length (mm)	Rotor Ø (mm)
005.430.2	6	300	40
.440.2	6	400	40
.450.2	6	500	50
.430.8.2	8	300	40
.440.8.2	8	400	40
.450.8.2	8	500	50
.455.2	9.5	550	70
.465.2	9.5	650	70
.0465.2	9.5	650EX	70
.0475.2	9.5	750EX	70
.455.10.2	10	550	70
.0465.10.2	10	650EX	70
.0475.10.2	10	750EX	70
.0465.12.2	12	650EX	80
.0475.12.2	12	750EX	80
.04100.12.2	12	1000EX	80
.0475.16.2	16	750EX	80
.04100.16.2	16	1000EX	80

CENTRIFUGAL



ANCHOR



Ref No.	Shaft Ø (mm)	Length (mm)	Rotor Ø (mm)
005.330.2	6	300	80
.340.2	6	400	80
.350.2	6	500	80
.330.8.2	8	300	80
.340.8.2	8	400	80
.350.8.2	8	500	80
.355.2	9.5	550	100
.365.2	9.5	650	100
.355.1.2	9.5	550	140
.365.1.2	9.5	650	140
.0365.1.2	9.5	650EX	140
.0375.1.2	9.5	750EX	140
.355.10.2	10	550	100
.0365.10.2	10	650EX	140
.0375.10.2	10	750EX	140
.0365.12.2	12	650EX	140
.0375.12.2	12	750EX	140
.03100.12.2	12	1000EX	140
.0375.16.2	16	750EX	140
.0375.16.1.2	16	750EX	180
.03100.16.2	16	1000EX	140
.03100.16.1.2	16	1000EX	180

RETREAT CURVE



Retreat Curve Shaft Stirrers are a fully moulded product with a retreat angle of 30°.

Ref No.	Shaft Ø (mm)	Length (mm)	Rotor Ø (mm)	Blade Ht (mm)
005.80850.300	8	300	50	10
.80875.300	8	300	75	15
.80850.400	8	400	50	10
.80875.400	8	400	75	15
.81050.400	10	400	50	10
.81075.400	10	400	75	15
.81050.500	10	500	50	10
.81075.500	10	500	75	15

PLAIN SHAFTS



Plain Shafts have a PTFE encapsulated stainless steel core with exposed end.

Ref No.	Shaft Ø (mm)	End Ø (mm)	Length Ø (mm)
005.100830EX	8	5	300
.100850EX	8	5	500
.101030EX	10	6.35	300
.101050EX	10	6.35	500
.101065EX	10	6.35	650
.101250EX	12	6.35	500
.101265EX	12	6.35	650
.101275EX	12	6.35	750
.1016750EX	16	10	750
.1016100EX	16	10	1000

SHAFTS FOR BLADES

Shafts for Blades are for use with PTFE Stirrer Blades series 002.XXX (see below).

Ref No.	Shaft Ø (mm)	Length (mm)
005.530.1	6	300
.540.1	6	400
.550.1	6	500
.530.8.1	8	300
.540.8.1	8	400
.550.8.1	8	500
.555.1	9.5	550
.565.1	9.5	650
.0565.1	9.5	650EX
.0575.1	9.5	750EX
.0565.10.1	10	650EX
.0575.10.1	10	750EX
.05100.10.1	10	1000EX
.0565.12.1	12	650EX
.0575.12.1	12	750EX
.05100.12.1	12	1000EX
.0575.16.1	16	750EX
.05100.16.1	16	1000EX



Stirrer Blades fit all standard shafts for blades, totally inert and non-scratch. Hole diam 6.5mm, 3.2mm thick, PTFE Shafts for these blades are 005.5XX Series (see above).

SQUARE END

Ref No.	W (mm)	Ht (mm)
002.052.1	52 x	14
.076.1	76 x	19
.090.1	90 x	28

PLAIN END

Ref No.	W (mm)	Ht (mm)
002.1065.1	65 x	25
.1075.1	75 x	25
.1105.1	105 x	25
.1125.1	125 x	25
.1150.1	150 x	25

STIRRER BLADES



PTFE used in the manufacture of COWIE® PTFE Laboratory Products is pure, virgin material which conforms to FDA and USP Class VI requirements.

ADJUSTABLE ROTORS



Adjustable Rotors slide over standard shafts and lock in place to give the most effective stirring patterns. All PTFE with glass filled PTFE lock nut. Rotor diameters are nominal.

4 BLADE ANGLED TYPE 45° METRIC

Ref No.	Shaft Ø (mm)	Rotor Ø (mm)
005.606040	6	40
.608040	8	40
.610060	10	60
.610090	10	90
.612070	12	70
.612090	12	90
.616100	16	100

4 BLADE ANGLED TYPE 45° IMPERIAL

Ref No.	Shaft Ø (in)	Rotor Ø (in)
005.6.250.15	1/4	1½
.6.313.15	5/16	1½
.6.375.25	3/8	2½
.6.500.35	1/2	3½
.6.625.40	5/8	4



FLAT TYPE METRIC

Ref No.	Shaft Ø (mm)	Rotor Ø (mm)
005.706070	6	70
.708070	8	70
.710070	10	70
.710100	10	100
.712100	12	100
.712150	12	150
.716100	16	100
.716150	16	150

FLAT TYPE IMPERIAL

Ref No.	Shaft Ø (in)	Rotor Ø (in)
005.7.250.3	1/4	3
.7.313.3	5/16	3
.7.375.3	3/8	3
.7.500.4	1/2	4
.7.625.6	5/8	6

ADJUSTABLE TURBINE



Adjustable Turbine Shaft Stirrers are for use with plain glass, metal or PTFE shafts.

Ref No.	Shaft Ø (mm)	Rotor Ø (mm)
005.90850	8	50
.90875	8	75
.91075	10	75
.910100	10	100
.91275	12	75
.912100	12	100
.916100	16	100
.916150	16	150