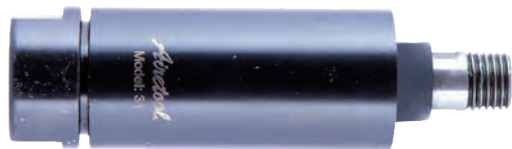


Midget Tube Cleaners – Curved and Straight

Range: 1/2" to 1-3/4" (12.7 mm to 44.4 mm)

Complete cleaner consists of: air motor with extra set of blades; shaft wrench; metal box; choice of single unit cutter head with four extra cutters and two extra cutter pins. If a Type 2 head (30 series) is ordered, one extra flexible connection is furnished. If expanding blade head is ordered, one extra set of blades is furnished.

For operating hose (not included) refer to page 116.



MIDGET MOTOR



Used for straight tubes.
 Used for curved tubes.

Tube I.D.		Minimum Tube Centerline Radius		Motor Number	Motor O.D.		Rotor Thread	Air Coupling Pipe Tap (in.)	Hose Size		Heads Available			Drill*	Universal	Flexible
in.	mm	in.	mm		in.	mm			in.	in.	mm	Universal Type 1	Flexible Type 2			
1/2	12.7	Straight		24	15/32	11.9	10-32	18-20	3/16	4.7	2440	2430	2480	MD-1	2451	2461
5/8	15.8	Straight		30	37/64	14.6	1/4 NF	1/8	1/4	6.3	3040	3030	3080	MD-2	PA-3051	X-6461
3/4	19.0	Straight		27	11/16	17.4	1/4 NF	1/8	1/4	6.3	2740	2730	2780	MD-3	PA-3051	X-6461
13/16	20.6	5.0	126.0	X-64	11/16	17.4	1/4 NF	1/4	1/4	6.3	X-6440	X-6430	-	MD-3	6451	X-6461
7/8	22.2	Straight		29	25/32	19.8	3/8 NF	1/4	3/8	9.5	2940	2930	2980	MD-4	2651-A	-
27/32	21.4	Straight		29	25/32	19.8	3/8 NF	1/4	3/8	9.5	2940	2930	2980	MD-4	2651-A	-
1	25.4	Straight		26	29/32	23.0	3/8 NF	3/8	3/8	9.5	2640	2630	6180	MD-4	2651-A	-
1-1/32	26.1	5.0	127.0	X-61	7/8	22.2	5/16 NF	1/4	1/4	6.3	X-6140	X-6130	-	MD-3	6151-C	X-6161
1-1/8	28.5	Straight		31	1-1/32	26.1	7/16 NF	3/8	3/8	9.5	3140	3130	3180	MD-5	3151	X-6361
1-1/4	31.7	Straight		X-63-A	1-1/16	26.9	3/8 NF	3/8	3/8	9.5	X-6340	X-6330	6380	MD-5	6651	X-6361
1-1/4	31.7	6.0	152.4	X-63	1-1/16	26.9	3/8 NF	3/8	3/8	9.5	X-6340	X-6330	-	MD-5	6651	X-6361
1-3/8	34.9	Straight		X-65-A	1-3/16	30.1	3/8 NF	3/8	3/8	9.5	X-6540	X-6530	6580	0	6651	X-6661
1-1/2	38.1	6.0	152.4	X-65	1-3/16	30.1	3/8 NF	3/8	3/8	9.5	X-6540	X-6530	-	MD-5	6651	X-6661
1-5/8	41.2	24.0	609.6	4200	1-1/2	38.1	5/8 NC	1/2	1/2	12.7	4140	4130	-	1	4151	4161
1-3/4	44.4	6.0	152.4	X-66	1-5/16	33.3	3/8 NF	3/8	3/8	9.5	X-6640	X-6630	-	0	6651	X-6661
1-3/4	44.4	15.0	381.0	4200	1-1/2	38.1	5/8 NC	1/2	1/2	12.7	4140	4130	-	1	4151	4161

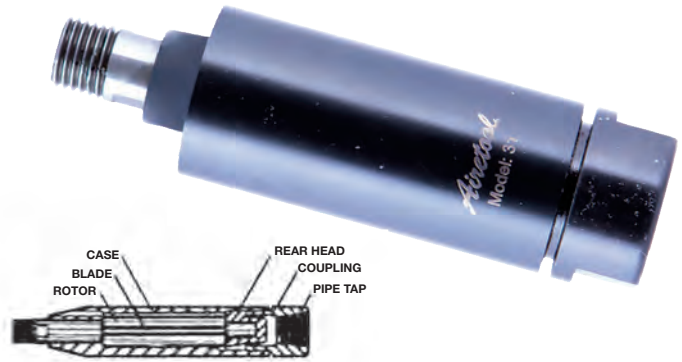
Some items are available on a quotation basis only.
 * Drill must be used with Universal Joint or flexible connection.

Midget Motors

Midget Motors

For 1/2" - 1-3/8" D.I. tubes

Recto tube midget motors, components and (ordering numbers).

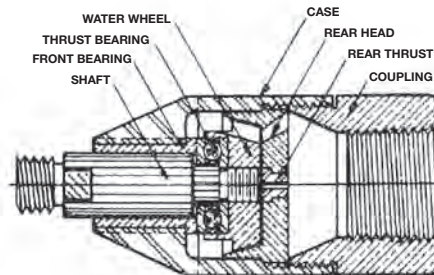


Motor Number	Motor D.E.	Tube D.I.	Case	Rear Head	Machine Coupling	Rotor	Rotor Blade (Qty.)	Dowel pin (Qty.)	Shaft Wrench	Rotor Thread	Air Hose
24 (4074900)	15/32"	1/2"	X 2401 (1056400)	2403 (1056500)	2404 (1056600)	2405 (1056700)	2406 (4) (1056800)	2412 (1056900)	5/32" (3240100)	10-32	3/16"
30 (4075400)	37/64"	5/8"	X 3001 (1067100)	X 3003 (1067300)	X 3004 (1067400)	X 2705 (1063000)	2706 (4) (1063100)	3012 (1067500)	3/16" (3240200)	1/4" N.F.	1/4"
27 (4075100)	11/16"	3/4"	X 2701 (1062600)	X 2703 (1062800)	2704 (1062900PT)	X 2705 (1063000)	2706 (4) (1063100)	3012 (1067500)	3/16" (3240200)	1/4" N.F.	1/4"
29 A (4075310)	25/32"	7/8"	2901 A (1064901)	2903 A (1065001)	2904 (1065100)	2605 (1060800PT)	2606 (4) (1060900)	X 6112 (1331800)	5/16" (14-0805)	3/8" N.F.	3/8"
26 (4075000)	29/32"	1"	2601 G (1060500)	2603 (1060600)	2604 (1060700)	2605 (1060800PT)	2606 (4) (1060900)	X 6312 (1334000)	5/16" (14-0805)	3/8" N.F.	3/8"
31 (4075600)	1-1/32"	1-1/8"	3101 (1069800)	3103 (1069900)	3104 (1070000)	3105 (1070100)	3106 (4) (1070200PT)	3111 (1070300)	5/16" (2902629)	3/8" N.F.	3/8"
X 63 A (4090100)	1-1/16"	1-1/4"	X 6301 (1333300)	X 6303 (1333400)	X 6304 A (1333600)	X 6305 (1333700)	X 6306 (4) (1333800)	X 6312 (2) (1334000)	5/16" (14-0805)	3/8" N.F.	3/8"
X 65 A (4060400)	1-3/16"	1-3/8"	X 6501 (1336300PT)	X 6503 (1336400)	X 6504 A (1336600)	X 6505 (1336700)	X 6506 (4) (1336800)	X 6312 (2) (1334000)	5/16" (14-0805)	3/8" N.F.	3/8"

Water Driven Motors

For 2" and 3-3/4" D.I. tubes

Water driven motors are used only in the overhead cleaning of vertical catalyst tubes.



Número de Modelo	Motor D.E.	Tube D.I.	Case	Water Wheel	Rear Head	Machine Coupling	Pipe Tap	Shaft	Thrust Bearing	Front Bearing	Rear Thrust	Shaft Wrench	Shaft Thread	Hose
W-7 (4088200)	3-1/2"	3-3/4"	W 701 (1319300)	W 702 (1319400PT)	W 703 (1319500)	W 10704 (1326000)	1-1/2"	W 905 (1319900)	W 907 (1320000)	W 908 (1320100)	W 910 (1320200)	7/8" (14-0814)	7/8" N.C.	1-1/2"
W-16-A (4089200)	1-11/16"	2"	W 1601 A (1323300)	W 1602 (1323400)	W 1603 A (1323600)	W 1604 A (1323800)	3/4"	W 1605 (1323900)	W 1607 (1324000)	W 1608 (1324100)	W 1610 (1324200)	5/8" (14-0810)	5/8" N.C.	3/4"

* Other sizes available. Contact customer service for details