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WARNING-HAZARDOUS



**DO NOT MACHINE REVERSE
SPIRAL TWISTED BRUSHES!**

Reverse twisting will cause brush to unwind, wire and pipe nipples to loosen.

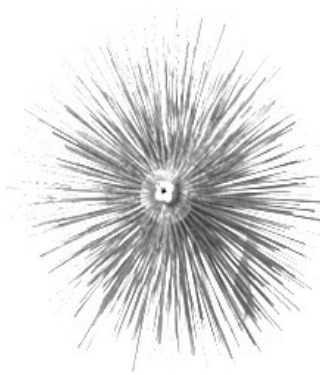
Safety Note:
Observe all common safety practices:

- Wear goggles & protective clothing
- Keep machine guards in place
- Operate within speed restrictions

Double-Stem, Single-Spiral (DS/SS)

- Bright oil tempered twisted-in-wire
- Mounted on rugged galvanized stem wire
- Brush part is 6-1/2"
- Overall length is 9-1/2"
- Fitted with 1/4" standard threaded pipe nipple
- Brushes are actual size as listed
- Normally ordered using inside diameter

MFR #	Diameter	Fill Material	Std Pack	Control #
S200	2"	.020 Wire	100	6111003
S238	2-3/8"	.020 Wire	100	6111006
S258	2-5/8"	.020 Wire	100	6111007
S278	2-7/8"	.020 Wire	100	6111008
S300	3"	.020 Wire	100	6111009
S314	3-1/4"	.020 Wire	100	6111011
S312	3-1/2"	.020 Wire	100	6111010
S400	4"	.020 Wire	75	6111012
S414	4-1/4"	.020 Wire	75	6111014
S412	4-1/2"	.020 Wire	50	6111013
S478	4-7/8"	.020 Wire	50	6111015
S500	5"	.020 Wire	50	6111016
S514	5-1/4"	.020 Wire	50	6111018
S512	5-1/2"	.020 Wire	50	6111017
S512H	5-1/2" HD	.0286 Wire	50	6111054
S600	6"	.0286 Wire	35	6111020
S614	6-1/4"	.0286 Wire	35	6111022
S612	6-1/2"	.0286 Wire	35	6111021
S700	7"	.0286 Wire	30	6111024
S714	7-1/4"	.0286 Wire	25	6111026
S712	7-1/2"	.0286 Wire	25	6111025
S734	7-3/4"	.0286 Wire	25	6111027
S800	8"	.0286 Wire	20	6111029
S858	8-5/8"	.0286 Wire	20	6111033
S1000	10"	.0317 Wire	15	6111038



MFR #	Diameter	Fill Material	Std Pack	Control #
S1100	11"	.0317 Wire	12	6111042
S1200	12"	.0317 Wire	10	6111045
S1300	13"	.0317 Wire	6	6111025
S1312	13-1/2"	.0317 Wire	6	6111029
S1400	14"	.0317 Wire	6	6111030
S2000	20"	.0317 Wire	2	6111064

Other sizes and wire types also available upon request. Please inquire about special orders.

Flue Brushes

Galvanized DS/DS



Double-Stem, Double-Spiral (DS/DS)

- Bright oil tempered twisted-in-wire
- Mounted on rugged galvanized stem wire
- Brush part is 4-1/2"
- Overall length is 7"
- Fitted with standard threaded pipe nipple as indicated
- All brushes are actual size as listed
- Normally ordered using inside diameter



MFR #	Diameter	Fill Material	Pipe Nipple Size	Std Pack	Control #
D12	1/2"	.010 Wire	1/8" NPT	100	6121000
D58	5/8"	.010 Wire	1/8" NPT	100	6121002
D34	3/4"	.010 Wire	1/8" NPT	100	6121001
D78	7/8"	.010 Wire	1/8" NPT	100	6121003
D100	1"	.0112 Wire	1/4" NPT	100	6121004
D118	1-1/8"	.0112 Wire	1/4" NPT	50	6121007
D114	1-1/4"	.0112 Wire	1/4" NPT	50	6121006
D138	1-3/8"	.0112 Wire	1/4" NPT	50	6121009
D112	1-1/2"	.0112 Wire	1/4" NPT	100	6121005
D158	1-5/8"	.0112 Wire	1/4" NPT	50	6121010
D134	1-3/4"	.0112 Wire	1/4" NPT	50	6121008
D178	1-7/8"	.0112 Wire	1/4" NPT	50	6121011
D200	2"	.0112 Wire	1/4" NPT	100	6121012
D218	2-1/8"	.0112 Wire	1/4" NPT	50	6121015
D214	2-1/4"	.0112 Wire	1/4" NPT	50	6121014
D238	2-3/8"	.0112 Wire	1/4" NPT	100	6121017
D212	2-1/2"	.0112 Wire	1/4" NPT	100	6121013
D258	2-5/8"	.0112 Wire	1/4" NPT	100	6121018
D234	2-3/4"	.0112 Wire	1/4" NPT	100	6121016
D278	2-7/8"	.0112 Wire	1/4" NPT	100	6121019
D300	3"	.0112 Wire	1/4" NPT	100	6121020
D314	3-1/4"	.0112 Wire	1/4" NPT	100	6121022
D312	3-1/2"	.0112 Wire	1/4" NPT	100	6121021
D334	3-3/4"	.0112 Wire	1/4" NPT	100	6121024
D400	4"	.0112 Wire	1/4" NPT	50	6121026
D414	4-1/4"	.018 Wire	1/4" NPT	50	6121028
D412	4-1/2"	.018 Wire	1/4" NPT	50	6121027
D458	4-5/8"	.018 Wire	1/4" NPT	50	6121031
D434	4-3/4"	.018 Wire	1/4" NPT	50	6121030
D478	4-7/8"	.014 Wire	1/4" NPT	50	6121032
D500	5"	.018 Wire	1/4" NPT	50	6121033
D514	5-1/4"	.018 Wire	1/4" NPT	50	6121035
D512	5-1/2"	.018 Wire	1/4" NPT	50	6121034
D534	5-3/4"	.018 Wire	1/4" NPT	50	6121036

MFR #	Diameter	Fill Material	Pipe Nipple Size	Std Pack	Control #
D600	6"	.020 Wire	1/4" NPT	50	6121037
D614	6-1/4"	.020 Wire	1/4" NPT	25	6121039
D612	6-1/2"	.020 Wire	1/4" NPT	25	6121038
D658	6-5/8"	.020 Wire	1/4" NPT	25	6121074
D700	7"	.020 Wire	1/4" NPT	25	6121041
D714	7-1/4"	.020 Wire	3/8" NPT	25	6121043
D712	7-1/2"	.020 Wire	3/8" NPT	25	6121042
D758	7-5/8"	.020 Wire	3/8" NPT	25	6121045
D734	7-3/4"	.020 Wire	3/8" NPT	25	6121044
D800	8"	.020 Wire	3/8" NPT	25	6121046
D858	8-5/8"	.020 Wire	3/8" NPT	25	6121048
D834	8-3/4"	.020 Wire	3/8" NPT	25	6121047
D958	9-5/8"	.020 Wire	3/8" NPT	15	6121051
D934	9-3/4"	.020 Wire	3/8" NPT	20	6121049
D1000	10"	.020 Wire	3/8" NPT	12	6121052
D1034	10-3/4"	.020 Wire	3/8" NPT	15	6121053
D1212	12-1/2"	.020 Wire	3/8" NPT	12	6121057
D1338	13-3/8"	.020 Wire	3/8" NPT	6	6121056
D1312	13-1/2"	.020 Wire	3/8" NPT	12	6121055
D1400	14"	.020 Wire	3/8" NPT	6	6121061
D1514	15-1/4"	.020 Wire	3/8" NPT	8	6121058
D1600	16"	.020 Wire	3/8" NPT	8	6121062
D1800	18"	.020 Wire	3/8" NPT	2	6121077
D2000	20"	.020 Wire	3/8" NPT	8	6121075

Other sizes and wire types also available upon request. Please inquire about special orders.



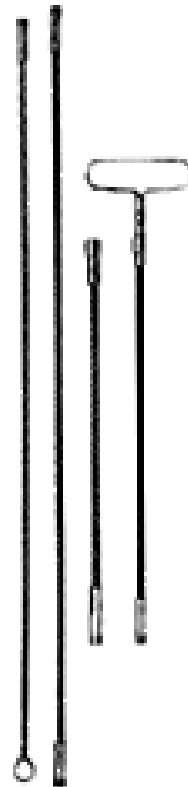
Flue Brushes & Extensions

Nylon DS/SS

Nylon Double-Stem, Single-Spiral (DS/SS)

- Double heavy black nylon twisted-in-wire
- Mounted on rugged galvanized stem wire
- Brush part is 4-1/2"
- Overall length is 8"
- Fitted with 1/4" standard threaded pipe nipple
- All brushes are actual size as listed
- Normally ordered using inside diameter

MFR #	Diameter	Fill Material	Std Pack	Control #
N200	2"	.040 Nylon	50	6131000
N238	2-3/8"	.040 Nylon	50	6131002
N278	2-7/8"	.040 Nylon	50	6131004
N300	3"	.040 Nylon	50	6131005
N312	3-1/2"	.040 Nylon	50	6131006
N334	3-3/4"	.040 Nylon	50	6131008
N400	4"	.040 Nylon	50	6131009
N412	4-1/2"	.040 Nylon	25	6131010
N500	5"	.040 Nylon	50	6131012
N512	5-1/2"	.040 Nylon	50	6131013
N600	6"	.040 Nylon	50	6131014
N700	7"	.040 Nylon	50	6131015
N800	8"	.040 Nylon	20	6131016
N958	9-5/8"	.040 Nylon	12	6131032
N1000	10"	.040 Nylon	12	6131018
N1200	12"	.040 Nylon	12	6131020



Flue Brush Extensions

MFR #	Fill Material	Std Pack	Control #
30001	Flue Brush Extension 1" Handle Only	6	6141002
30002	36" Fiberglass Flue Brush Extension	6	6141000
30007	36" Cable Twist Flue Brush Extension	6	6141001

Other sizes and wire types also available upon request. Please inquire about special orders.

Condenser Tube Brushes



Condenser Tube Brushes

- Expanded to include 1/4" diameter brushes
- Graduated .006" on small diameter brushes to .012" on larger sizes
- Provide consistent cleaning power
- 1/8" standard threaded pipe nipple (NPT)
- 3/8" and 1/4" diameter, have an internal thread of 5/16"-18"
- Brush length is 4-1/4"
- Overall length is 7-1/2"
- All brushes are actual size as listed
- Normally ordered using inside diameter
- Standard packs vary

Brush Dia	Wire Size	High Carbon Steel		Stainless Steel		Brass		Nylon	
		MFG #	Control #	MFG #	Control #	MFG #	Control #	MFG #	Control #
1/4"	.008	C14S	8251000	-	-	C14B	8201043	-	-
3/8"	.008	C38S	8221003	-	-	C38B	8201003	-	-
1/2"	.008	C12S	8221001	-	-	C12B	8201001	C12N	8211001
5/8"	.008	C58S	8221004	-	-	C58B	8201004	C58N	8211004
3/4"	.008	C34S	8221002	T34-SS	8191002	C34B	8201002	C34N	8211002
7/8"	.010	C78S	8221005	T78-SS	8191005	C78B	8201005	-	-
1"	.010	C1S	8221000	T1-SS	8191000	-	-	C1N	8211000
1-1/4"	.010	C114S	8221011	-	-	-	-	-	-
1-1/2"	.010	C112S	8221012	-	-	-	-	-	-
2"	.012	C2S	8221013	-	-	-	-	-	-



Other sizes and wire types also available upon request. Please inquire about special orders.

Condenser Tube Brush Accessories

- Best utilized with our 36" aluminum or fiberglass handle and extensions
- Lightweight and very sturdy
- Connect to any desired multiple length of 36," permitting condenser tube cleaning with relative ease
- Available with 1/8" or 1/4" connections

MFR #	Description	Threading	Std Pack	Control #
65015	36" Extension	Fiberglass 1/8" NPT	6	4111002
65001	"T" Handle	3"	6	4111001



Power Driven Tube Brushes "Series 200"

- Double-stem, double-spiral tube brush
- Straight shank end for use with power tools
- Highly effective for heavy duty cleaning and deburring
- Brush part is 2-1/2"
- Overall length is 5-1/2"
- Mounted on tempered steel wire
- Best selected with a brush size of slightly smaller or equal diameter than the tube to be cleaned

MFR #	Diameter	Fill Material	Std Pack	Control #
20014	1/4"	.005 Wire	100	8261002
20038	3/8"	.005 Wire	50	8261004
20012	1/2"	.006 Wire	100	8261001
20058	5/8"	.008 Wire	100	8261005
20034	3/4"	0.10 Wire	100	8261003
20078	7/8"	0.10 Wire	100	8261006
2001	1"	0.10 Wire	100	8261000
200114	1-1/4"	0.10 Wire	25	8261008
200112	1-1/2"	0.10 Wire	25	8261007



Gun Brushes

- Stout bristles allow for an efficient cleaning
- Bristles are made of bronze
- Overall length is 3-9/32"
- Brush part 2-1/4"

MFR #	Description	Std Pack	Control #
01850	Brush for .38 Caliber Rifle	100	9461001
01860	Brush for .45 Caliber Rifle	24	8251009



Other sizes and wire types also available upon request. Please inquire about special orders.

Hand Tube Brushes - Sight Glass Brushes

- Single stem, single spiral
- Most effective for manual or hand cleaning applications
- Horsehair filled
- Effective in cleaning sight glasses
- All hand tube brushes have a wire loop handle
- All brushes are actual size as listed
- Normally ordered using inside diameter

MFG #	Diameter Length	Brush Length	Overall Length	Std Pack	Control #
21533	1/4"	4-1/2"	26"	1	9291133
21534	3/8"	4-1/2"	26"	1	9291134
21535	1/2"	4-1/2"	26"	1	9291102
21537	5/8"	4-1/2"	42"	1	9291100
21538	3/4"	4-1/2"	42"	1	9291103



Twisted Wire - Tubing Brushes

- Double-stem, double spiral tube brushes
- Tampico filled
- Effective in manual cleaning applications
- All hand tube brushes have a wire loop handle

MFG #	Diameter Length	Brush Length	Overall Length	Std Pack	Control #
90100	1"	4"	16"	100	6011001
90212	2-1/2"	4-1/2"	20"	50	6011000



Hand Pipe Cleaning Brushes

- Manufactured for the plumbing industry
- Also perfect for hand cleaning ID or OD pipe threads
- Single spiral with crimped wire

MFR #	Pipe Dia	Brush Dia	Std Pack	Control #
61000	1/8"	1/4"	12	9301001
61070	1/4"	3/8"	12	9301002
61150	3/8"	1/2"	12	9301003
61210	1/2"	5/8"	12	9301004
61270	5/8"	3/4"	12	9301005
61330	3/4"	7/8"	12	9301006

MFR #	Pipe Dia	Brush Dia	Std Pack	Control #
61390	7/8"	1"	12	9301007
61450	1"	1-1/8"	12	9301008
61500	1-1/4"	1-3/8"	12	9301009
61560	1-1/2"	1-5/8"	6	9301010
61620	2"	2-1/8"	6	9301011



Tight



Spiral Wound Strip Brushes

Mounted or unmounted and custom made to meet your specifications. Please inquire about special orders.

Open



Other sizes and wire types also available upon request. Please inquire about special orders.

PSA Refacing Discs

PSA (*pressure sensitive adhesive*) discs provide a fast, efficient method for refacing rotary shouldered connections on drill pipe, drill collars, etc...Adhesive-backed discs adhere to face plates, but remove quickly and easily to speed changing time. These discs are stocked in 36 grit aluminum oxide papers to resist loading and shelling under certain operating conditions.



Item #	Description	Std Pkg
1072302	PSA-6 3/4" Shoulder Refacing	50 box / 250 CS
1072301	PSA-8" Shoulder Refacing	50 box / 250 CS
1072303	PSA-11" Shoulder Refacing	50 CS

Other sizes and wire types also available upon request. Please inquire about special orders.