



## ● Complementary Range

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# Tip Dressers

Fuji Tip Dresser FTD-18 series are designed to be compact, light weight and ideal for dressing tips in narrow space between opposing tips on electric spot welders. Patent applied FTD-18A clamp system provides excellent tip center alignment and accurate tip repairing. Various types of welding tips can be dressed by replacing cutter and cutter case.



FTD-18-1



FTD-18A-1

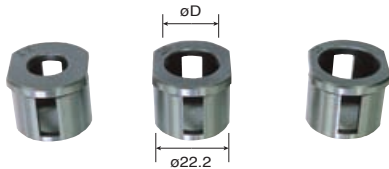
Model	Capacity Tip Size		Max. Clamp Height		Free Speed	Overall Length		Weight		Max. Air Consumption		Air Inlet Thread Size	Air Hose Size	
	mm	in	mm	in		mm	in	kg	lb	m <sup>3</sup> /min	ft <sup>3</sup> /min		in	mm
FTD-18-1	12~16	15/32~5/8	—	—	1,300	290	11 7/16	1.65	3.64	0.5	17.7	BSP or NPT 1/4	9.5	3/8
FTD-18A-1	13~16	33/64~5/8	25	63/64	1,300	307	12 3/32	2.02	4.45	0.5	17.7	BSP or NPT 1/4	9.5	3/8

## CLASSIFICATION TABLE FOR CUTTERS

Type	Item No.	Tip shape (Nominal)	Max. diameter repaired(øD)	Standard
(1)	CUT-1001	6R	ø12	6R x ø12
	CUT-1002	6.5R	ø13	6.5R x ø13
	CUT-1003	8R	ø16	8R x ø16
(2)	CUT-2001	10R~150R	ø16	16R x ø16
(3)	—	øA x 6R	ø12	—
	—	øA x 6.5R	ø13	—
	CUT-3001	—	—	ø5 x 8R x ø16
	CUT-3002	øA x 8R	ø16	ø6 x 8R x ø16
(4)	—	r x øA x 6R	ø12	—
	CUT-1002	r x øA x 6.5R	ø13	—
	CUT-1003	r x øA x 8R	ø16	40r x ø6 x 8R x ø16
(5)	—	5~6r x 60°	ø13	—
	—	3r or more x 90°	ø16	—
(6)	—	7~ø9 x 50°	ø13	—
	—	ø10 or more x 50°	ø16	—
	CUT-6001	5~ø7 x 60°	ø13	ø6 x 60° x ø13
	—	ø8 or more x 60°	ø16	—
	—	3~ø4 x 75°	ø13	—
	CUT-6002	ø5 or more x 75°	ø16	ø6 x 75° x ø16
	CUT-6003	ø3 or more x 90°	ø16	ø4 x 90° x ø16
	CUT-6004	ø3 or more x 90°	ø16	ø6 x 90° x ø16
	—	ø3 or more x 120°	ø16	—
(7)	—	r x øA x ø'	øD	—
(8)	—	øA x r x ø'	øD	—
(9)	—	F	ø16	—

\*Beside item listed above table, minimum 10pcs. per item is required for ordering optional cutters. Specify the nominal dimensions when ordering.  
\*Cutter is not provided as a standard accessory.

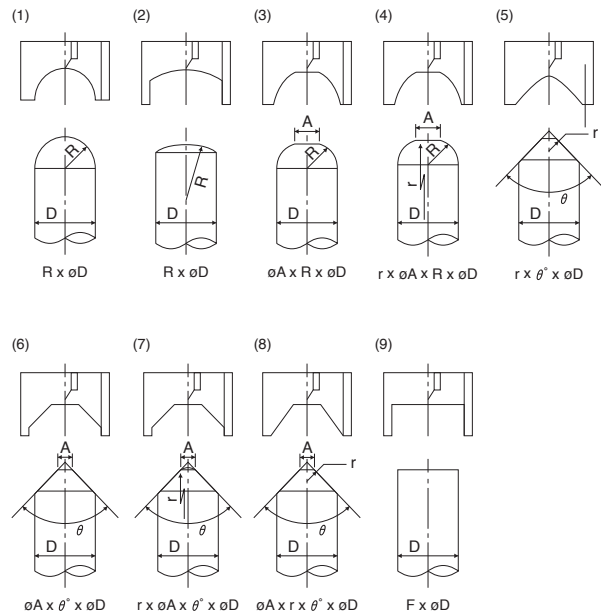
## CUTTER CASES



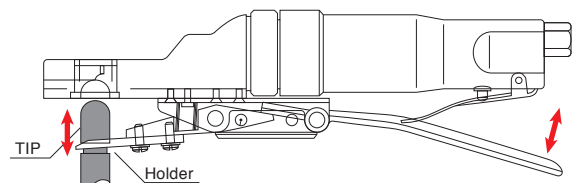
Item No.	øD
S-167716-00	16
S-167716-01	13
S-167716-02	12

\*Cutter dresses Welding Tip correctly as inside diameter (øD) of cutter case act as a guide. Specify cutter case diameter which matches tip size. ø16 cutter case is included as a standard accessory. Specify cutter case ø12 or ø13 otherwise.

## SHAPES OF TIPS AND CUTTERS

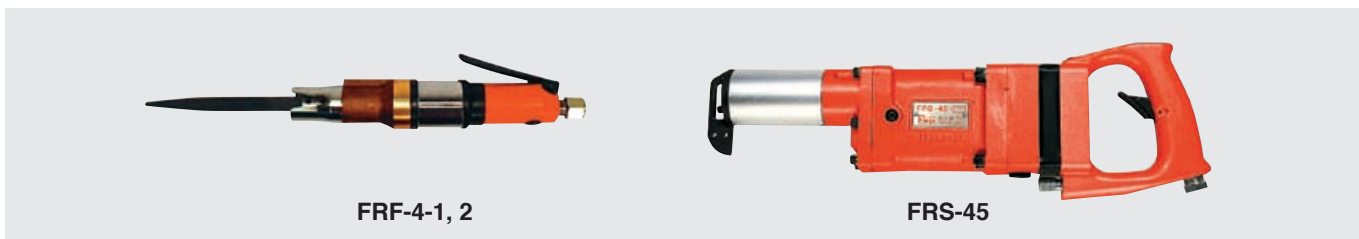


## <FTD-18A-1> PAT.P



Fuji FRF series compact Air File & Saws feature reduced vibration and are designed for deburring, filing and cutting of metal, wood, plastic, and fibreglass.

The FRS-45 Air Saw is equipped with a damper to minimize vibration and, a stroke regulator and blade cooling device. The cutting direction is adjustable to provide optimal operator comfort.



FRF-4-1, 2

FRS-45

Model	Tool Name	Stroke Per Minute SPM	Stroke		Chuck Capacity		Overall Length		Weight		Max. Air Consumption		Air Inlet Thread Size	Air Hose Size	
			mm	in	mm	in	mm	in	kg	lb	m <sup>3</sup> /min	ft <sup>3</sup> /min	BSP or NPT	mm	in
FRF-4-1F	File	1,600	12.0	15/32	4.0 x 13.0 x 20	5/32 x 1/2 x 25/32	229	9 1/32	0.8	1.7	0.28	9.9	1/4	6.3	1/4
FRF-4-2F	Saw	1,600	12.0	15/32	2.0 x 13.0 x 20	5/64 x 1/2 x 25/32	233	9 3/16	0.8	1.7	0.28	9.9	1/4	6.3	1/4
FRS-45	Saw	1,200	45.0	1 25/32	2.5 x 17.7 x 31	3/32 x 45/64 x 1 7/32	419	16 1/2	2.9	6.3	0.40	14.1	1/4	9.5	3/8

\*Models marked 1F, 2F are locking lever handle types.

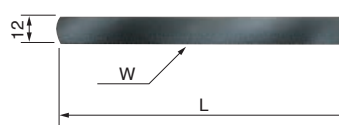
### FILE BLADES FOR FRF-4-1, 1F



Index No.	AC No.	Name	Overall Length
			mm
1	•FILE-4P	Pillar	150
2	FILE-4H	Half Round	
3	FILE-4R	Round	
4	FILE-4C	Triangle	
5	FILE-4S	Square	

\*\* =Accessories included in FRF-4-1, 1F

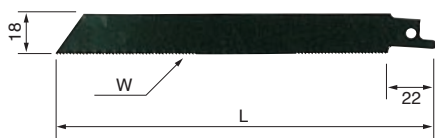
### SAW BLADE FOR FRF-4-2, 2F



AC No.	Size	
	L	W
	mm	
•SAW-4	123	25

\*\* =Accessories included in FRF-4-2, 2F.  
W =The number of teeth per inch.

### SAW BLADES FOR FRS-45



AC No.	Size		Cutting Materials
	L	W	
	mm		
SAW-2014	200	14	steel plate, pipe, copper, brass, plastic, slate
•SAW-2018	200	18	steel plate, pipe
•SAW-2024	200	24	steel plate, pipe
SAW-2514	250	14	steel plate, pipe, copper, brass, plastic, slate
SAW-2518	250	18	steel plate, pipe
SAW-3014	300	14	steel plate, pipe, copper, brass, plastic, slate
SAW-3018	300	18	steel plate, pipe

\*\* =Accessories included in FRS-45. W =The number of teeth per inch.  
\*Using cutting fluid extends life of blade. A mixture of turpentine and kerosene with spindle oil, soapsuds, grease at the rate of 7 to 3 is recommended.

### STANDARD ACCESSORIES FOR FRS-45



- SAW-2018 Saw Blade ..... 1
- SAW-2024 Saw Blade ..... 1
- F-704 4mm Hex. Pin Wrench.. 1
- F-706 6mm Hex. Pin Wrench.. 1
- AO-30 Oil ..... 1
- CASE-T431 Steel Case..... 1

## Marking Pen

Fuji Marking Pen features a lower vibration level when compared to conventional marking pens enabling operators to use this tool for a full working day. This tool also requires no lubrication and meets requirements where oil free operation is specified.

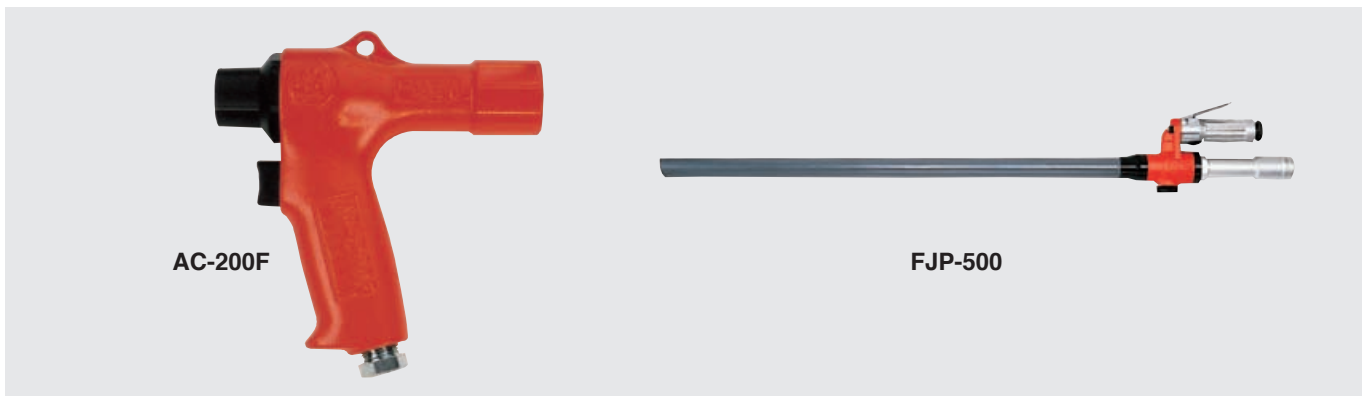


G-400

Model	Diameter		Overall Length		Weight		Air Consumption (at Load)	
	mm	in	mm	in	kg	lb	m <sup>3</sup> /min	ft <sup>3</sup> /min
G-400	20	25/32	140	5 1/2	0.15	0.33	0.03	1.1

## Air Cleaners

Fuji Air Cleaners remove dust, chips, sawdust, water and oil with their powerful vacuum action.

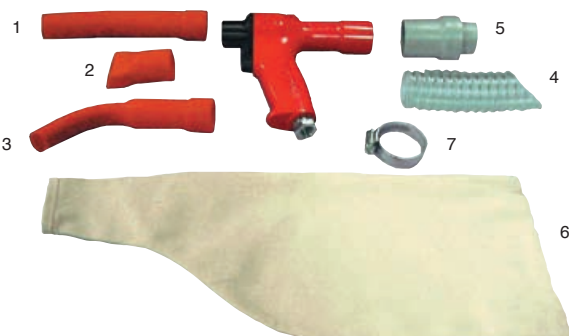


AC-200F

FJP-500

Model	Vacuum Degree		Overall Length		Outside Dia. of Discharge	Weight		Max. Air Consumption		Air Inlet Thread Size	Air Hose Size	
	mm Hg	in Hg	mm	in	mm	kg	lb	m <sup>3</sup> /min	ft <sup>3</sup> /min	BSP or NPT	mm	in
AC-200F	130	5 1/8	145	5 45/64	34	0.5	1.1	0.60	21.2	1/4	9.5	3/8
FJP-500	200	7 7/8	1020	40 5/32	37.5	1.5	3.3	1.10	38.8	3/8	9.5	3/8

### Accessories Provided for AC-200F



Index No.	AC No.	Name
1	ACB-1F	Main Nozzle
2	ACB-2F	Fan Shape Nozzle
3	ACB-3F	Small-Size End Nozzle
4	ACB-4F	Flexible Hose
5	ACB-5F	Rubber Joint
6	ACB-6F	Dust Bag
7	ACB-7F	Hose Band