

Fuji USER MANUAL



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ANGLE GRINDERS

MODELS : FA-20X-1, -1F, -3



SPECIFICATIONS

[Scan code to download this document and see this tool on our online catalogue.]

Model	Collet Size	Max. Dia (Grinding Wheel)			Rotational Frequency	Spindle Thread Size	Angle Head Height		Overall Length		Mass		Max.Air Consumption		Air Inlet Thread Size	Air Hose Size	
		Type	mm	mm	in	min ⁻¹	mm	in	mm	in	kg	lb	m ³ /min	cfm		mm	in
FA-20X-1	—	—	50 x 4 x 9.53	2 x 5/32 x 3/8	15,000	1/4-28UNF(F)	40.5	1.59	191	7.5	0.8	1.8	0.51	18.0	Rc 1/4	9.5	3/8
FA-20X-1F	—	—	50 x 4 x 9.53	2 x 5/32 x 3/8	15,000	1/4-28UNF(F)	40.5	1.59	220	8.7	0.8	1.8	0.54	19.1	Rc 1/4	9.5	3/8
FA-20X-1F	N EC	—	50 x 4 x 9.53	2 x 5/32 x 3/8	15,000	1/4-28UNF(F)	40.5	1.59	220	8.7	0.8	1.8	0.54	19.1	NPT 1/4	9.5	3/8
FA-20X-3	6	6	38 x 13 x -	1 1/2 x 1/2 x -	15,000	W3/8-16(M)	83	3.27	191	7.5	0.8	1.8	0.51	18.0	Rc 1/4	9.5	3/8

The performance figures are at 0.63 MPa(6.3bar).

⚠ Refer to "The Instructions and Warning for Safety Use" enclosed in each tool box.

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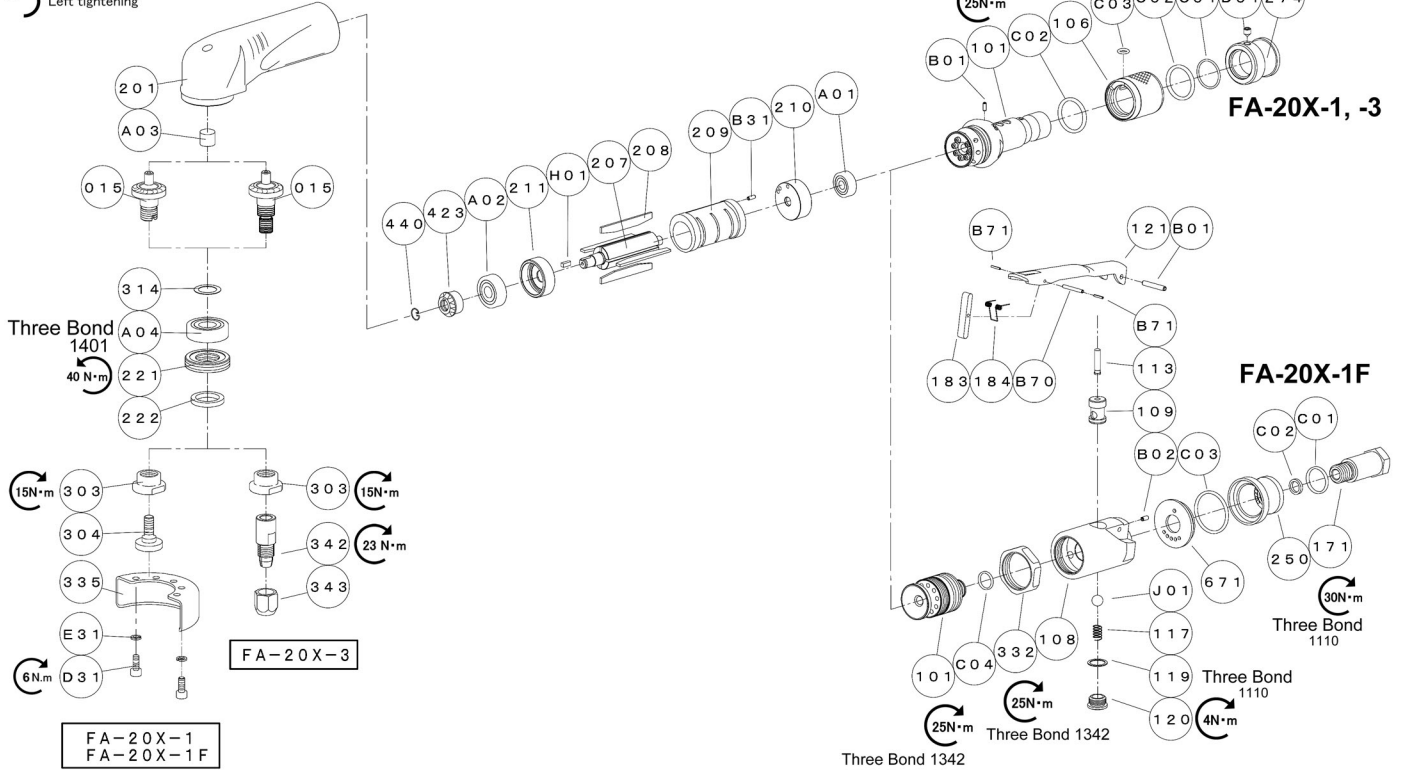
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MODELS : FA-20X-1, -1F, -3

EXPLODED VIEW

Right tightening
Left tightening



PARTS LIST

Index No	Fuji No.	Parts No.	Parts Name	Qty	Index No	Fuji No.	Parts No.	Parts Name	Qty	Index No	Fuji No.	Parts No.	Parts Name	Qty
FA-20X-1 (Wheel Grinder)					FA-20X-1F (Wheel Grinder)					FA-20X-3 (Die Grinder)				
The parts except following are common with FA-20X-1.					The parts except following are common with FA-20X-1.					The parts except following are common with FA-20X-1. (#304,335,E31,D31 are unnecessary.)				
—	A-205001-00	5412105176	Housing Cover Ass'y	1	—	A-205001-01	5412105245	Housing Cover Ass'y (Rc)	1	303	A-005303-01	4112154233	Wheel Flange (A)	1
106	G-137106-00	5412053906	Throttle Valve Handle	1	—	A-205001-02	5412105257	Housing Cover Ass'y (NPT)	1	342	A-122342-01	5412050648	Collet	1
274	A-205274-00	5412105336	Exhaust Hose Joint	1	101	A-205101-02	5412104868	Housing Cover	1	343	G-162343-00	5412054103	Collet Nut	1
C01	O-S18	5412055225	"O"Ring	1	332	A-204332-00	5412105167	Lock Nut	1	—	A-204091-02	5412105220	Bevel Gear Kit	1
C02	O-P20	5412055193	"O"Ring	2	C04	O-S11.2	5412055218	"O"Ring	1	015	A-204015-02	5412105191	Wheel Spindle Ass'y	1
C03	O-4	5412055309	"O"Ring	1	—	A-205003-00	5412105179	Throttle Valve Body Ass'y (Rc)	1	423	A-122423-00	5412050649	Bevel Pinion	1
D01	SS-56C	5412056394	Set Screw	1	—	A-205003-01	5412105256	Throttle Valve Body Ass'y (NPT)	1	—	A-205006-03	5412105209	Housing Ass'y	1
—	A-205001-50	5412105242	Housing Cover semi Ass'y	1	113	G-144113-00	5412053936	Throttle Valve Rod	1	201	A-205201-03	5412105201	Housing	1
101			Housing Cover	1	117	D-021117-00	5412051392	Throttle Valve Spring	1	A03	NB-TLAM69	5412104900	Needle Bearing	1
B01	SP-26	5412056272	Spring Pin	1	119	D-021119-00	5412051393	T. V. Cover Packing	1	—	NP-0740	5412060277	Warning Sticker	1
—	A-205006-00	5412105174	Housing Ass'y	1	171	W-100171-00	5412056900	Inlet Bushing (Rc)	1	—	NP-0742	5412060282	Warning Sticker	1
201	A-205201-00	5412105173	Housing	1	W-100171-01	5412056901	Inlet Bushing (NPT)	1						
A03	NB-TLAM69	5412104900	Needle Bearing	1	120	D-021120-00	5412051394	Throttle Valve Cover	1					
—	NP-0740	5412060277	Warning Sticker	1	250	G-209250-00	5412054216	Exhaust Cover	1					
—	NP-0742	5412060282	Warning Sticker	1	671	G-143671-00	5412053930	Exhaust Cover Joint	1					
207	A-204207-00	5412104851	Rotor	1	B01	SP-320	5412056282	Spring Pin	1					
—	A-204090-00	5412105007	Blade Set	1	B02	SP-2.56	5412056262	Spring Pin	1					
208	A-204208-00	5412104852	Rotor Blade	4	C01	O-S16	5412055223	"O"Ring	1					
209	A-204209-00	5412104853	Cylinder	1	C02	O-S10	5412055217	"O"Ring	1					
(B31)	SP-26	5412056272	Spring Pin	1	C03	O-S28	5412055238	"O"Ring	1					
210	A-204210-00	5412104860	Cylinder Upper Plate	1	J01	B-5/16U	5412050924	Ball	1					
211	A-204211-00	5412104855	Cylinder Lower Plate	1	—	A-205003-50	5412105247	Throttle Valve Body semi Ass'y	1					
221	A-005221-00	5412050306	Spindle Bearing Cover	1	108			Throttle Valve Body	1					
(222)	A-005222-00	5412050307	Felt Ring	1	109			Throttle Valve Bushing	1					
303	A-005303-00	5412050308	Wheel Flange (A)	1	—	A-122019-01	5412050634	(F) Lock Lever Ass'y	1					
304	A-122304-01	5412050646	Wheel Flange (B)	1	121	A-122121-00	5412050637	Throttle Valve Lever	1					
314	A-005314-00	5412050309	Wheel Spindle Washer	1	183	G-144183-02	5412053938	Lock Key	1					
440	A-122440-00	5412050651	Ring	1	184	G-144184-00	5412053939	Lock Spring	1					
A01	BB-606ZZ	5412060642	Ball Bearing	1	B70	SP-218	5412056268	Spring Pin	1					
A02	BB-608ZZ	5412070214	Ball Bearing	1	B71	SP-1.28	5412104771	Spring Pin	2					
A04	BB-6001ZZ	5412050968	Ball Bearing	1	—	A-205006-01	5412105181	Housing Ass'y	1					
H01	K-2.52.57F	5412054559	Key	1	—	A-205006-02	5412105208	Housing Ass'y (EC model)	1					
—	A-204091-00	5412105008	Bevel Gear Kit	1	201	A-205201-01	5412105180	Housing	1					
015	A-204015-00	5412105009	Wheel Spindle Ass'y	1	A03	NB-TLAM69	5412104900	Needle Bearing	1					
423	A-122423-00	5412050649	Bevel Pinion	1	—	NP-0740	5412060277	Warning Sticker	1					
—	A-204072-00	5412105006	Wheel Guard Ass'y	1	—	NP-0742	5412060282	Warning Sticker	1					
335	A-204335-00	5412104857	Wheel Guard	1	—	NP-0445	5412104436	CE Sticker (EC model only)	1					
D31	CS-410	5412051150	Cap Screw	2										
E31	SW-4	5412056413	Spring Washer	2										
—	PKO-NP38	9502000026	Label	1										
—	NP-0741	5412060281	Warning Sticker	1										

- The related parts are shown in a thick frame.
- #209 and #221 are supplied together with parts shown in ().
- Specify parts number and quantity when ordering.
- Spare parts without part number are not sold separately.

Standard Accessories(FA-20X-1,-1F)

AC No.	Parts No.	Description	Qty
F-107	5412052058	19mm Open-End Wrench	1
F-703	5412052206	3mm Hex. Pin Wrench	1
F-705	5412052208	5mm Hex. Pin Wrench	1
IH-8B	5412054508	Inlet Hose (Rc)	1
IH-8BN	5412054509	Inlet Hose (NPT)	1
EH-50A	5412052040	Exhaust Hose	1

Standard Accessories(FA-20X-3)

AC No.	Parts No.	Description	Qty
F-105	5412052056	14mm Open-End Wrench	1
F-106	5412052057	17mm Open-End Wrench	1
IH-8B	5412054508	Inlet Hose (Rc)	1
EH-50A	5412052040	Exhaust Hose	1