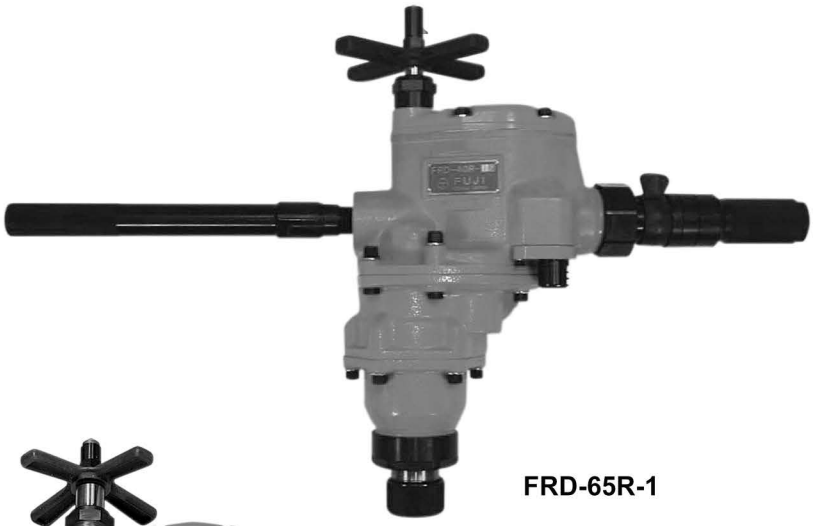
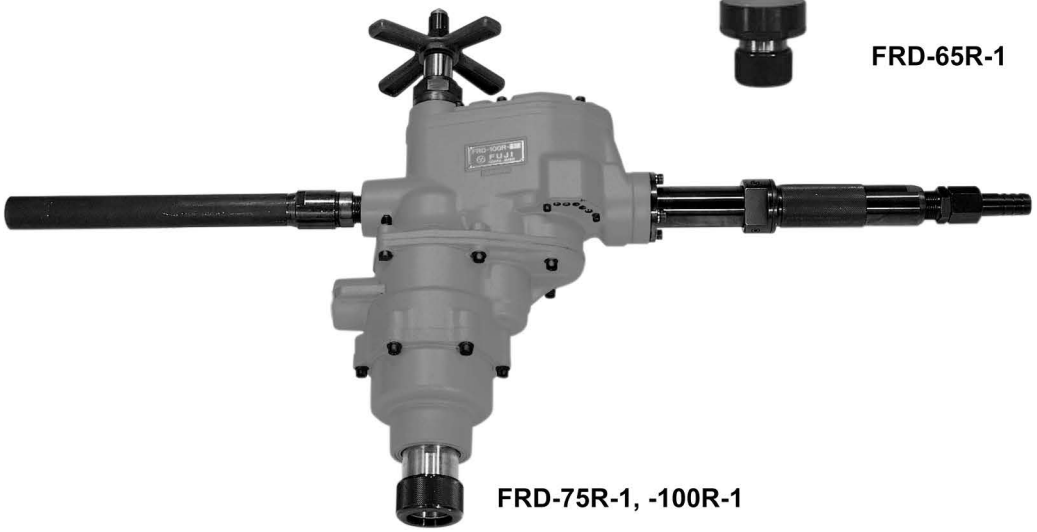
Fuji USER MANUAL

DRILLS

MODELS : FRD-65R-1, -1S, -75R-1, -1S , 100R-1 , -1S



FRD-65R-1



FRD-75R-1, -100R-1

SPECIFICATIONS

Model	Capacity(Guidance) ・Drilling ・Reaming ・Tapping		Stall Torque			Free Speed	Socket	Feed Length		Side to Center	Overall Length		Mass		Max. Air Consumption		Air Inlet Thread Size	Air Hose Size	
	mm	in	N・m	Kgf・m	ft・lb	min^{-1}	M.T.#	mm	in	mm	mm	in	kg	lb	Nm^3/min	Nft^3/min	in	mm	in
FRD-65R-1(S)	65	2 9/16	608.0	62.0	448.4	190	5	125	4 15/16	69	487	19 11/16	32	70.4	5.5	194.2	PTorNPT 1	25.4	1
FRD-75R-1(S)	75	3	1156.0	118.0	855.0	85	5	128	5 1/16	75	600	23 5/8	43	94.6	5.5	194.2	PTorNPT 1	25.4	1
FRD-100R-1(S)	100	4	1823.0	186.0	1349.0	55	5	128	5 1/16	75	600	23 5/8	43	94.6	5.5	194.2	PTorNPT 1	25.4	1

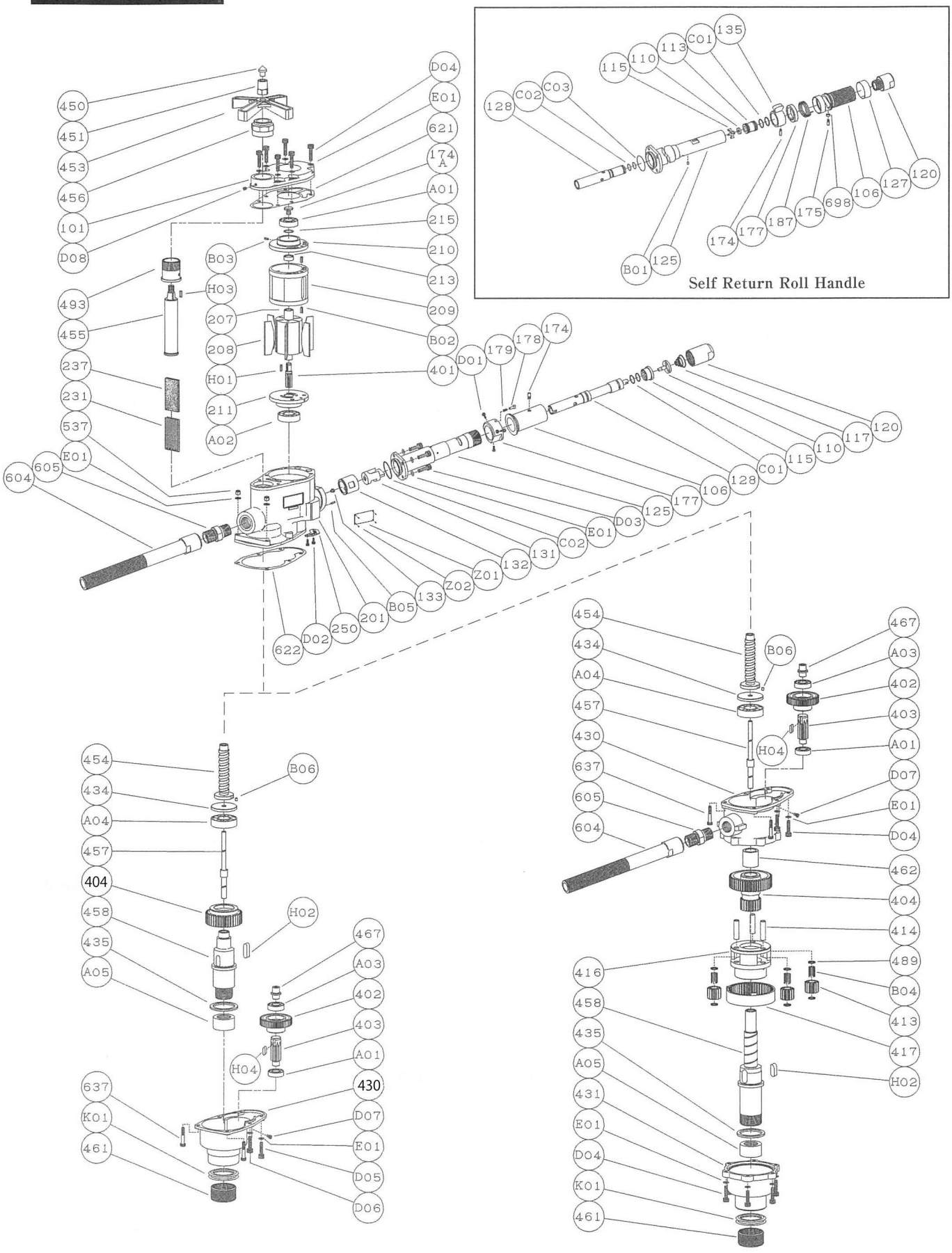
○The performance figures are at 0.63 MPa(6.3bar).
○The models with"S"at the end of model names are Self Return Rolling Throttle types.

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

Specifications are subjects to change without notice.

EXPLODED VIEW MODEL: FRD-65R-1,-1S,-75R-1,-1S,-100R-1,-1S

FRD-65R,-75R,-100R



PARTS LIST MODEL: FRD-65R-1,-1S,-75R-1,-1S,-100R-1,-1S

Index No.	Parts No.	Parts Name	Qt.
		Roll Handle	
CP No.	D-060004-00	Throttle Valve Stem C.P	
106	D-060106-00	Throttle Valve Handle	1
110	D-060110-00	Throttle Valve	1
115	D-060115-00	Throttle Valve Sheet	1
117	D-060117-00	Throttle Valve Spring	1
120	D-060120-00	Throttle Valve Cover	1
125	D-060125-00	Throttle Valve Stem	1
128	D-060128-00	Reverse Valve Rod	1
174	D-060174-00	Small Screw	1
177	D-060177-00	Throttle Handle Step	1
178	D-029178-00	Plunger	1
179	D-029179-00	Plunger Spring	1
C01	O-18	"O"Ring	2
C02	O-G45	"O"Ring	1
D01	CS-510	Cap Screw	3
		Self Return Roll Handle	
CP No.	D-060004-02	Throttle Valve Stem C.P	
106	D-029106-03	Throttle Valve Handle	1
110	D-029110-01	Throttle Valve	1
113	D-029113-02	Throttle Valve Rod	1
115	D-029115-02	Throttle Valve Sheet	1
120	D-060120-02	Throttle Valve Cover <PT>	1
120	D-060120-03	Throttle Valve Cover <NPT>	1
125	D-060125-02	Throttle Valve Stem	1
127	D-029127-00	Throttle Valve Handle Band	1
128	D-060128-01	Reverse Valve Rod	1
135	D-029135-01	Reverse Valve Lever	1
174	D-029174-01	Small Screw	1
175	D-029175-01	Small Screw <B>	1
177	D-029177-03	Throttle Handle Step	1
187	D-029187-00	Throttle Valve Handle Spring	1
698	D-029698-00	Guide Roller	1
B01	NR-56	Needle Roller	1
C01	O-S24	"O"Ring	2
C02	O-14	"O"Ring	2
C03	O-G45	"O"Ring	1
		FRD-65R-1, -1S , -75R-1,-1S , -100R-1,-1S	
101	D-154101-00	Housing Cover	1
131	D-060131-00	Reverse Valve	1
133	D-029133-00	Reverse Valve Sheet	1
174A	D-015174-00	Small Screw	1
201	D-154006-50	Housing	1
(132)	D-154132-00	Reverse Valve Bushing	1
207	D-060207-00	Rotor	1
208	D-060208-00	Rotor Blade	6
209	D-060209-00	Cylinder	1
(B02)	SP-616	Spring Pin	2
210	D-060210-00	Cylinder Upper Plate	1
(B03)	SP-510	Spring Pin	1
211	D-060211-00	Cylinder Lower Plate	1
213	D-060213-00	Adjusting Collar	1
215	D-060215-00	Adjusting Washer <T=0.03>	1
215	D-060215-01	Adjusting Washer <T=0.05>	1
231	D-060231-00	Silencer Plate	1
237	D-060237-01	Muffler Pad	1
250	D-060250-00	Exhaust Cover	1
401	D-060401-00	No.1 Pinion	1
402	D-060402-00	No.1 Gear	1
434	D-060434-00	Bearing Washer	1
435	D-060435-00	Thrust Washer	1
450	D-060450-00	Feed Screw Center	1
451	D-060451-00	Center Holder	1
453	D-060453-00	Feed Screw Handle	1
454	D-060454-00	Feed Screw	1
455	D-060455-00	Feed Sleeve	1
456	D-060456-00	Feed Sleeve Nnt	1
461	D-062461-00	Socket Nut	1
467	D-060467-00	No.1 Gear Spindle	1
493	D-060493-00	Feed Sleeve Bushing	1
537	W-014537-00	Hexagon Nut	2
604	D-060604-00	Dead Handle	1
605	D-060605-00	Dead Handle Joint	1
621	D-154621-00	Packing <A>	1
622	D-060622-00	Packing <B>	1
637	W-028637-00	Half-Cut Head Bolt	2
A01	BB-6304	Ball Bearing	2
A02	BB-6305	Ball Bearing	1
A03	BB-6204	Ball Bearing	1
A04	BB-7306	Ball Bearing	1
A05	NB-NK60/35	Needle Bearing	1
B05	SP-412	Spring Pin <For Roll Handle>	1
B06	P-67	Pin	1
D02	CS-510	Cap Screw	2
D03	CS-822	Cap Screw	4
D07	S-610RS	Screw	1
D08	SS-610C	Set Screw	1
H01	K-4419	Key	1
H03	K-5518	Key	1
H04	K-6622	Key	1
K01	OS-SB60759	Oil Seal	1
Z02	NPN-0×3.2	Screw Rivet	4
		FRD-65R-1, -1S	
403	D-062403-00	No.2 Pinion	1
404	D-062404-00	No.2 Gear	1
430	D-060430-01	No.1 Gear Case	1
457	D-062457-00	Extractor	1
458	D-062458-00	Mt. Socket	1
D04	CS-830	Cap Screw	6
D05	CS-828	Cap Screw	2
D06	CS-830	Cap Screw	2
E01	SW-8	Spring Washer	16
H02	K-12842	Key	1
Z01	NP-4010	Name Plate	1
		FRD-75R-1,-1S , FRD-100R-1,-1S	
403	D-061403-00	No.2 Pinion	1
404	D-063404-00	No.2 Gear <For FRD-75R-1,-1S>	1
404	D-064404-00	No.2 Gear <For FRD-100R-1,-1S>	1
413	D-063413-00	No.1 Planet Gear	3
(B04)	NR-327.8	Needle Roller	51
414	D-063414-00	No.1 Planet Gear Spindle	3
416	D-063416-00	No.1 Planet Gear Frame	1
417	D-063417-00	No.1 Internal Gear	1
430	D-063430-00	No.1 Gear Case	1
431	D-063431-00	No.2 Gear Case	1
457	D-063457-00	Extractor	1
458	D-063458-00	Mt. Socket	1
462	D-063462-00	Socket Collar	1
489	D-063489-00	Needle Roller Spacer	6
D04	CS-830	Cap Screw	16
E01	SW-8	Spring Washer	22
H02	K-151040	Key	1
Z01	NP-4011	Name Plate <For FRD-75R-1,-1S>	1
Z01	NP-4007	Name Plate <For FRD-100R-1,-1S>	1

□ CP No. denotes the assembled parts comprising of more than 1pc. of parts. The related parts are shown in the thick frame.
□ #201,209,210 and 413 are supplied together with parts shown in ( ).
□ Specify parts number and quantity in ordering.
■ Standard Accessory : SJ-33……Swivel Hose Nipple 1.

Fuji Industrial Technique Co.,Ltd.

2-1-14, Kamiji, Higashinari-ku, Osaka, 537-0003 Japan

Tel : 81-6-6972-2335
Fax : 81-6-6972-2380