

Fuji

FL *3 Series Non Shut-off Pulse Tools



- 3 Times Longer Service Life
- High Torque Accuracy
- Low Noise/Vibration
- High Productivity
- Ergonomic Design

FL *3 series pulse tools provide longer service life with advanced pulse unit design. It brings you reduction of maintenance cost and improvement of productivity. FL *3 series are ideal fastening tools in various assembly applications.



FL *3 Series Non Shut-off Pulse Tools

FEATURES & BENEFITS

Advanced Pulse Unit Design
Improve durability 3 times longer

Accumulator Mechanism
Minimize torque scatter



Ergonomic Friendly Design
Easily operate with perfect balance

● ACCUMULATOR MECHANISM

The accumulator functions to compensate against the sudden rise of oil pressure when tightening a hard joint. Torque scatter and error are minimized. As the oil temperature increases during consecutive tightening, the accumulator takes in the expanded volume of oil to maintain a consistent oil volume in the pulse unit. This ensures high tightening torque accuracy.

● ADVANCED PULSE UNIT DESIGN

Advanced pulse unit design provides generation of high hydraulic pressure and reduction of oil deterioration speed during consecutive tightening. Oil deterioration and leakage from metal constructed pulse unit with high sealing technology becomes minimized level to ensure long service life.

● ERGONOMIC DESIGN

Compared with conventional tools, weight is kept to a minimum. The grip handle size is optimized to provide enhanced levels of operator comfort. This special grip also absorbs vibration more effectively. Furthermore, reduced noise and vibration levels are standard with FL *3 series due to the optimized dimension.

STANDARD MODELS



FL-4SC, 5SC, 6SC

GLOBAL SPECIFICATIONS

Angle Head Type – Square Drive

Model	Capacity (Bolt Size)	Recommended Torque Range		Free Speed min-1	Square Drive Size		Overall Length (without socket)		Weight (without socket)		Air Consumption (At Load)		Air Inlet Thread	Air Hose Size	
		mm	N.m		ft.lb	mm	in	mm	in	kg	lb	m ³ /min		cfm	in
FL-4SC-3	M5~M6	5 ~ 13	3.7 ~ 9.6	5000	9.5	3/8	238	9.37	1.20	2.65	0.32	11.3	1/4" Rc	6.3	1/4
FL-5SC-3	M6~M8	10 ~ 22	7.4 ~ 16.2	6600	9.5	3/8	238	9.37	1.20	2.65	0.33	11.7	1/4" Rc	6.3	1/4
FL-6SC-3	M8	19 ~ 29	14.0 ~ 21.4	5900	9.5	3/8	252	9.92	1.30	2.89	0.34	12.0	1/4" Rc	9.5	3/8

FL *3 Series Non Shut-off Pulse Tools

STANDARD MODELS



FL-4, 5, 6
Square drive



FL-7, 9, 11, 13
Square drive



FL-4D, 5D, 6D
Bit shank



FL-4S, 5S, 6S
Square drive



FL-4SD, 5SD, 6SD
Bit shank

GLOBAL SPECIFICATIONS

Pistol Type – Square Drive

Model	Capacity (Bolt Size)	Recommended Torque Range		Free Speed	Square Drive Size		Overall Length (without socket)		Weight (without socket)		Air Consumption (At Load)		Air Inlet Thread	Air Hose Size	
	mm	N.m	ft.lb	min-1	mm	in	mm	in	kg	lb	m ³ /min	cfm	in	mm	in
FL-4-3	M6	16 ~ 24	11.8 ~ 17.7	6700	9.5	3/8	140	5.51	0.79	1.74	0.36	12.7	1/4" Rc	6.3	1/4
FL-5-3	M6~M8	20 ~ 40	14.7 ~ 29.5	6300	9.5	3/8	140	5.51	0.79	1.74	0.40	14.1	1/4" Rc	6.3	1/4
FL-6-3	M8	28 ~ 56	20.6 ~ 41.3	6700	9.5	3/8	152	5.98	0.83	1.83	0.42	14.8	1/4" Rc	9.5	3/8
FL-7-3	M8~M10	34 ~ 60	25.1 ~ 44.2	6100	9.5	3/8	155	6.10	1.02	2.25	0.60	21.2	1/4" Rc	9.5	3/8
FL-9-3	M10	52 ~ 96	38.3 ~ 70.8	4600	12.7	1/2	173	6.81	1.45	3.20	0.65	23.0	1/4" Rc	9.5	3/8
FL-11-3	M10~M12	80 ~ 136	59.0 ~ 100.2	5000	12.7	1/2	184	7.24	1.80	3.97	0.80	28.3	1/4" Rc	9.5	3/8
FL-13-3	M12~M14	120 ~ 172	88.4 ~ 126.8	3800	12.7	1/2	192	7.56	2.10	4.63	0.85	30.0	1/4" Rc	9.5	3/8

Pistol Type – Bit Shank

Model	Capacity (Bolt Size)	Recommended Torque Range		Free Speed	Bit Shank Size		Overall Length (without socket)		Weight (without socket)		Air Consumption (At Load)		Air Inlet Thread	Air Hose Size	
	mm	N.m	ft.lb	min-1	mm	in	mm	in	kg	lb	m ³ /min	cfm	in	mm	in
FL-4D-3	M6	14 ~ 20	10.3 ~ 14.7	6700	6.35	1/4	140	5.51	0.79	1.74	0.36	12.7	1/4" Rc	6.3	1/4
FL-4D-30	M6	14 ~ 20	10.3 ~ 14.7	6700	6.35	1/4	140	5.51	0.79	1.74	0.36	12.7	1/4" Rc	6.3	1/4
FL-5D-3	M6~M8	18 ~ 32	13.3 ~ 23.6	6300	6.35	1/4	140	5.51	0.79	1.74	0.40	14.1	1/4" Rc	6.3	1/4
FL-5D-30	M6~M8	18 ~ 32	13.3 ~ 23.6	6300	6.35	1/4	140	5.51	0.79	1.74	0.40	14.1	1/4" Rc	6.3	1/4
FL-6D-3	M8	25 ~ 42	18.4 ~ 31.0	6700	6.35	1/4	152	5.98	0.83	1.83	0.42	14.8	1/4" Rc	9.5	3/8
FL-6D-30	M8	25 ~ 42	18.4 ~ 31.0	6700	6.35	1/4	152	5.98	0.83	1.83	0.42	14.8	1/4" Rc	9.5	3/8

Straight Type – Square Drive

Model	Capacity (Bolt Size)	Recommended Torque Range		Free Speed	Square Drive Size		Overall Length (without socket)		Weight (without socket)		Air Consumption (At Load)		Air Inlet Thread	Air Hose Size	
	mm	N.m	ft.lb	min-1	mm	in	mm	in	kg	lb	m ³ /min	cfm	in	mm	in
FL-4S-3	M6	6 ~ 14	4.4 ~ 10.3	6000	9.5	3/8	210	8.27	0.85	1.87	0.36	12.7	1/4" Rc	6.3	1/4
FL-5S-3	M6~M8	11 ~ 24	8.1 ~ 17.7	7000	9.5	3/8	210	8.27	0.85	1.87	0.40	14.1	1/4" Rc	6.3	1/4
FL-6S-3	M8	21 ~ 32	15.5 ~ 23.6	6400	9.5	3/8	221	8.70	0.90	1.98	0.42	14.8	1/4" Rc	9.5	3/8

Straight Type – Bit Shank

Model	Capacity (Bolt Size)	Recommended Torque Range		Free Speed	Bit Shank Size		Overall Length (without socket)		Weight (without socket)		Air Consumption (At Load)		Air Inlet Thread	Air Hose Size	
	mm	N.m	ft.lb	min-1	mm	in	mm	in	kg	lb	m ³ /min	cfm	in	mm	in
FL-4SD-3	M6	6 ~ 14	4.4 ~ 10.3	6000	6.35	1/4	210	8.27	0.85	1.87	0.36	12.7	1/4" Rc	6.3	1/4
FL-4SD-30	M6	6 ~ 14	4.4 ~ 10.3	6000	6.35	1/4	210	8.27	0.85	1.87	0.36	12.7	1/4" Rc	6.3	1/4
FL-5SD-3	M6~M8	11 ~ 24	8.1 ~ 17.7	7000	6.35	1/4	210	8.27	0.85	1.87	0.40	14.1	1/4" Rc	6.3	1/4
FL-5SD-30	M6~M8	11 ~ 24	8.1 ~ 17.7	7000	6.35	1/4	210	8.27	0.85	1.87	0.40	14.1	1/4" Rc	6.3	1/4
FL-6SD-3	M8	21 ~ 32	15.5 ~ 23.6	6400	6.35	1/4	221	8.70	0.90	1.98	0.42	14.8	1/4" Rc	9.5	3/8
FL-6SD-30	M8	21 ~ 32	15.5 ~ 23.6	6400	6.35	1/4	221	8.70	0.90	1.98	0.42	14.8	1/4" Rc	9.5	3/8

FL *3 Series Non Shut-off Pulse Tools

TOOL SELECTION GUIDE

Pistol Type – Square Drive

Model No.	Part No.	P type anvil	BF type anvil	CE certified
FL-4-3 P	5412105348	x		
FL-4-3 BF	5412105713		x	
FL-4-3 BF EC	5412105714		x	x
FL-5-3 P	5412105351	x		
FL-5-3 BF	5412105715		x	
FL-5-3 BF EC	5412105716		x	x
FL-6-3 P	5412105354	x		
FL-6-3 BF	5412105717		x	
FL-6-3 BF EC	5412105718		x	x
FL-7-3 P	5412105357	x		
FL-7-3 BF	5412105719		x	
FL-7-3 BF EC	5412105720		x	x
FL-9-3 P	5412105604	x		
FL-9-3 BF	5412105605		x	
FL-9-3 BF EC	5412105614		x	x
FL-11-3 P	5412105615	x		
FL-11-3 BF	5412105616		x	
FL-11-3 BF EC	5412105617		x	x
FL-13-3 P	5412105627	x		
FL-13-3 BF	5412105628		x	
FL-13-3 BF EC	5412105629		x	x

Pistol Type – Bit Shank

Model No.	Part No.	Short type	Long type	CE certified
FL-4D-3	5412105349	x		
FL-4D-3 EC	5412105727	x		x
FL-4D-30	5412105350		x	
FL-5D-3	5412105352	x		
FL-5D-3 EC	5412105728	x		x
FL-5D-30	5412105353		x	
FL-6D-3	5412105355	x		
FL-6D-3 EC	5412105729	x		x
FL-6D-30	5412105356		x	

Straight Type – Square Drive

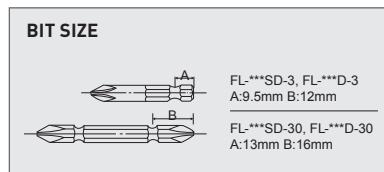
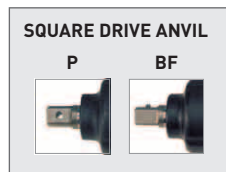
Model No.	Part No.	P type anvil	BF type anvil	CE certified
FL-4S-3 P	5412105358	x		
FL-4S-3 BF EC	5412105721		x	x
FL-5S-3 P	5412105361	x		
FL-5S-3 BF EC	5412105722		x	x
FL-6S-3 P	5412105364	x		
FL-6S-3 BF EC	5412105723		x	x

Straight Type – Bit Shank

Model No.	Part No.	Short type	Long type	CE certified
FL-4SD-3	5412105359	x		
FL-4SD-3 EC	5412105730	x		x
FL-4SD-30	5412105360		x	
FL-5SD-3	5412105362	x		
FL-5SD-3 EC	5412105731	x		x
FL-5SD-30	5412105363		x	
FL-6SD-3	5412105365	x		
FL-6SD-3 EC	5412105732	x		x
FL-6SD-30	5412105366		x	

Angle Head Type – Square Drive

Model No.	Part No.	P type anvil	BF type anvil	CE certified
FL-4SC-3 P	5412105562	x		
FL-4SC-3 BF N EC	5412105563		x	x
FL-5SC-3 P	5412105564	x		
FL-5SC-3 BF N EC	5412105565		x	x
FL-6SC-3 P	5412105566	x		
FL-6SC-3 BF N EC	5412105567		x	x



Fuji Authorized Distributor:



www.fujitools.com