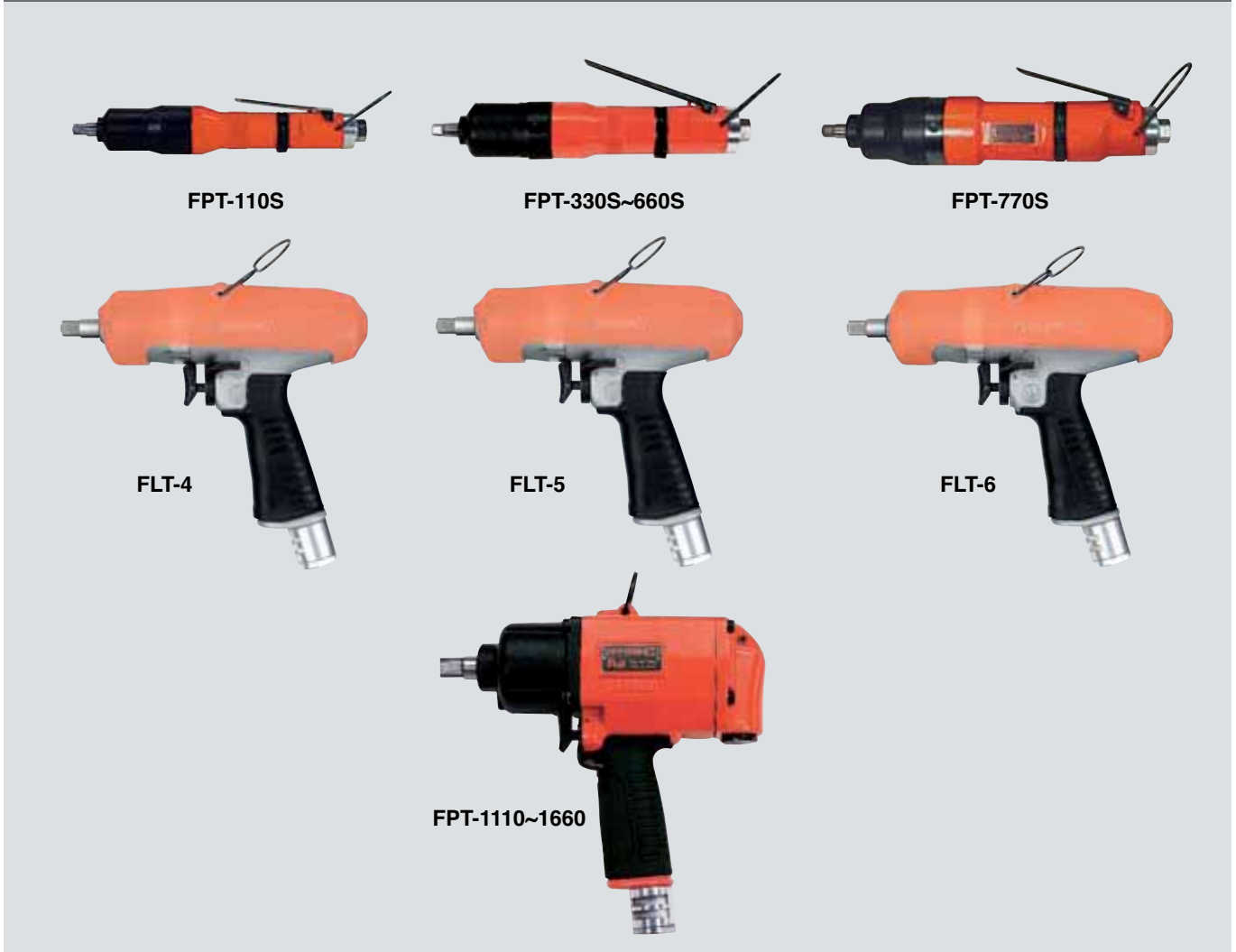


# Pulse Wrenches Shut-off Type

"FPT and FLT Series" are provided with Fuji patented original shut-off control mechanism having a dual chamber motor and 2-blade pulsing mechanism. It is designed for giving high torque at low speed, which gives the best characteristics for fast, reliable and accurate tightening. FPT and FLT Series contribute to high productivity, quality improvement, working environment improvement, and operator fatigue minimization in various industries.

## SQUARE DRIVE TYPE



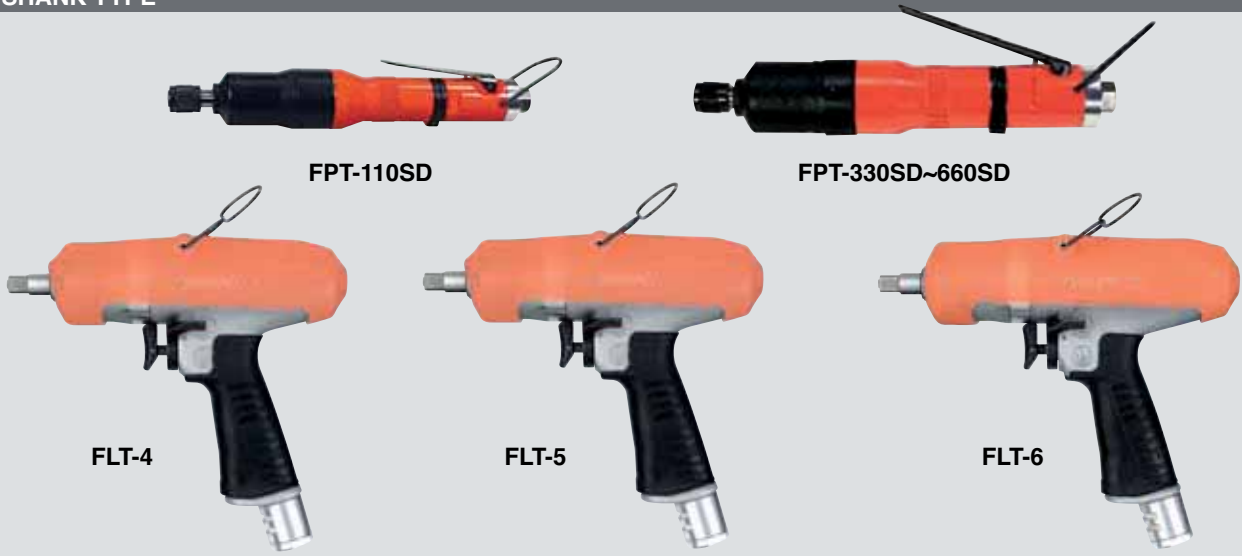
### Models to be operated at air pressure 0.5MPa to 0.6MPa (5.0 to 6.3 bar)

Model	Bolt Size	Recommended Torque Range			Free Speed	Square Drive Size		Overall Length		Weight (without socket)		Air Consumption (at Load)	
		mm	N · m	kgf · m		ft · lb	mm	in	mm	in	kg	lb	m <sup>3</sup> /min
<b>Straight Models</b>													
FPT-110S-1	M4~M5	4~7	0.4~0.7	3.0~5.2	4,500	9.5	3/8	236.5	9 5/16	0.85	1.9	0.20	7.1
FPT-330S-1	M5~M6	6~10	0.6~1.0	4.4~7.4	4,400	9.5	3/8	249	9 13/16	1.1	2.4	0.35	12.3
FPT-440S-1	M5~M6	8~13	0.8~1.3	5.9~9.6	5,000	9.5	3/8	250	9 27/32	1.1	2.4	0.35	12.3
FPT-550S-1	M6~M8	12~20	1.2~2.0	8.9~14.8	5,000	9.5	3/8	250	9 27/32	1.1	2.4	0.35	12.3
FPT-660S-1	M6~M8	20~30	2.0~3.1	14.8~22.1	5,000	9.5	3/8	262	10 21/64	1.1	2.4	0.50	17.6
FPT-770S-1	M8~M10	30~45	3.1~4.6	22.1~33.2	5,500	9.5	3/8	273.5	10 49/64	1.6	3.5	0.45	15.9
<b>Pistol Grip Models</b>													
FPT-110-1	M5~M6	4~7	0.4~0.7	3.0~5.2	6,000	9.5	3/8	194.5	7 21/32	0.95	2.1	0.20	7.1
FLT-4-1	M5~M6	5~12	0.5~1.2	3.6~8.8	6,200	9.5	3/8	181	7 1/8	0.97	2.1	0.40	14.1
FLT-5-1	M6~M8	11~24	1.1~2.4	8.1~17.7	6,500	9.5	3/8	181	7 1/8	0.97	2.1	0.45	15.8
FLT-6-1	M8~M10	22~35	2.2~3.5	16.2~25.8	6,300	9.5	3/8	192	7 19/32	1.00	2.2	0.55	19.4
FLT-7-1	M8~M10	30~60	3.0~6.1	22.1~44.2	6,100	9.5	3/8	189.5	7 29/64	1.10	2.4	0.60	21.1
FLT-9-1	M10	50~85	5.1~8.6	36.8~62.6	5,300	12.7	1/2	209	8 15/64	1.60	3.5	0.68	24.0
FLT-11-1	M10~M12	70~130	7.1~13.2	51.6~95.8	5,000	12.7	1/2	217.5	8 9/16	1.85	4.1	0.80	28.2
FLT-13-1	M12~M14	90~160	9.1~16.3	66.3~118	3,400	12.7	1/2	227.5	8 61/64	2.10	4.6	0.85	30.0
FLT-20S-1	M18~M20	200~400	20.4~40.8	147.5~295	2,500	19.0	3/4	405	15 3/32	8.80	19.4	1.3	45.8
FPT-1660-1	M16~M18	150~210	15.3~21.4	110.6~154.9	2,800	19.0	3/4	266	10 31/64	4.4	9.7	1.2	42.4

\*Use all above models at 0.5-0.63 MPa (5.0 to 6.3 bar) air pressure but FPT-110 series at 0.4-0.63 MPa (4.0-6.3 bar) air pressure.  
 \*Performance figures are at 0.63 MPa (6.3 bar) air pressure. \*Air Inlet Thread Size: BSP or NPT 1/4", (FPT-1660) BSP or NPT 3/8".  
 \*Air Hose Size: (FPT-110S, 330S, 440S, 550S, FLT-4-1, 5-1) 6.3mm (1/4"). (660S, 770S, 1660-1, FLT-6-1, 7-1, 9-1, 11-1, 13-1) 9.5mm (3/8"), (FLT-20S-1) 12.7mm (1/2").

# Pulse Wrenches Shut-off Type

## BIT SHANK TYPE



Models to be operated at air pressure 0.5MPa to 0.63MPa (5.0 to 6.3 bar)

Model	Bolt Size mm	Recommended Torque Range			Free Speed min <sup>-1</sup>	Bit Shank Size		Overall Length		Weight (without socket)		Air Consumption (at Load)	
		N · m	kgf · m	ft · lb		mm	in	mm	in	kg	lb	m <sup>3</sup> /min	ft <sup>3</sup> /min
<b>Straight Models</b>													
FPT-110SD-1(10)	M4~M5	4~7	0.4~0.7	3.0~5.2	4,500	6.35	1/4	240	9 29/64	0.85	1.9	0.20	7.1
FPT-330SD-1(10)	M5~M6	6~10	0.6~1.0	4.4~7.4	4,400	6.35	1/4	249	9 13/16	1.1	2.4	0.35	12.3
FPT-440SD-1(10)	M5~M6	8~13	0.8~1.3	5.9~9.6	5,000	6.35	1/4	251	9 57/64	1.1	2.4	0.35	12.3
FPT-550SD-1(10)	M6~M8	12~20	1.2~2.0	8.9~14.8	5,000	6.35	1/4	251	9 57/64	1.1	2.4	0.35	12.3
FPT-660SD-1(10)	M6~M8	15~28	1.5~2.9	11.1~20.7	5,000	6.35	1/4	262	10 21/64	1.1	2.4	0.50	17.6
<b>Pistol Grip Models</b>													
FPT-110D-1(10)	M5~M6	4~7	0.4~0.7	3.0~5.2	6,000	6.35	1/4	197.5	7 25/32	0.95	2.1	0.20	7.1
FPT-330-1	M5~M6	6~11	0.6~1.1	4.4~8.1	6,000	9.5	3/8	198	7 51/64	1.2	2.6	0.39	13.8
FPT-440D-1(10)	M6	10~16	1.0~1.6	7.4~11.8	6,700	6.35	1/4	193	7 39/64	1.2	2.6	0.35	12.3
FLT-4D-1	M6	14~20	1.4~2.0	10.3~14.7	6,700	6.35	1/4	140	5 3/64	0.79	1.7	0.36	12.7
FLT-4D-10	M6	14~20	1.4~2.0	10.3~14.7	6,700	6.35	1/4	140	5 3/64	0.79	1.7	0.36	12.7
FLT-5D-1	M6~M8	18~32	1.7~3.2	13.2~23.6	6,300	6.35	1/4	140	5 3/64	0.79	1.7	0.40	14.1
FLT-5D-10	M6~M8	18~32	1.7~3.2	13.2~23.6	6,300	6.35	1/4	140	5 3/64	0.79	1.7	0.40	14.1
FLT-6D-1	M8	25~42	2.5~4.2	18.4~30.9	6,700	6.35	1/4	152	5 63/64	0.83	1.8	0.42	14.8
FLT-6D-10	M8	25~42	2.5~4.2	18.4~30.0	6,700	6.3	1/4	152	5 63/64	0.83	1.8	0.42	14.8

\*Use all above models at 0.5-0.63 MPa (5.0 to 6.3 bar) air pressure but FPT-110 series at 0.4-0.63 MPa (4.0-6.3 bar) air pressure.

\*Performance figures are at 0.63 MPa (6.3 bar) air pressure. \*Air Inlet Thread Size: or NPT 1/4".

\*Air Hose Size: (FPT-110SD, 330SD, 440SD, 550SD, 110D, 330D, FLT-4D-1, 4D-10, 5D-1, 5D-10) 6.3mm (1/4"). (FPT660SD, FLT-6D-1, FLD-6D-10) 9.5mm (3/8").

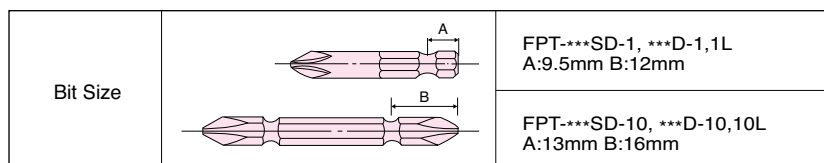
## SQUARE DRIVE TYPE



Models to be operated at air pressure 0.5MPa to 0.63MPa (5.0 to 6.3 bar)

Model	Bolt Size mm	Recommended Torque Range			Free Speed min <sup>-1</sup>	Square Drive Size		Overall Length		Weight (without socket)		Air Consumption (at Load)	
		N · m	kgf · m	ft · lb		mm	in	mm	in	kg	lb	m <sup>3</sup> /min	ft <sup>3</sup> /min
<b>Angle Head Models</b>													
FPT-440SC-1	M5~M6	6~11	0.6~1.1	4.4~8.1	4,500	9.5	3/8	280	11 1/32	1.46	3.2	0.35	12.4
FPT-550SC-1	M6	10~17	1.0~1.7	7.4~12.5	4,800	9.5	3/8	280	11 1/32	1.46	3.2	0.35	12.4
FPT-660SC-1	M6~M8	15~25	1.5~2.6	11.1~18.4	4,700	9.5	3/8	292	11 1/2	1.54	3.4	0.5	17.7
FPT-770SC-1	M8	20~35	2.0~3.6	14.8~25.8	5,500	9.5	3/8	306	12 3/64	2.3	5.1	0.45	15.9

\*Air Inlet Thread Size: BSP or NPT 1/4". \*Air Hose Size: 6.3mm (1/4"). (660SC, 770SC) 9.5mm (3/8").



# Geared Pulse Wrenches Shut-off Type

The Fuji Geared Pulse Wrenches Shut-Off type provides high power in combination with low noise and vibration through the Dual Chamber Air Motor & Gear-drive angle head.

The ergonomic design reduces the reaction forces experienced by the operator throughout the torque range.



FPT-770SCG-1

## Models to be operated at air pressure 0.5MPa to 0.63MPa (5.0 to 6.3 bar)

Model	Bolt Size	Recommended Torque Range			Free Speed	Socket Hex Size		Overall Length		Weight		Air Consumption (at Load)		Air Hose Size	
	mm	N · m	kgf · m	ft · lb	min <sup>-1</sup>	mm	in	mm	in	kg	lb	m <sup>3</sup> /min	ft <sup>3</sup> /min	mm	in
FPT-770SCG-1	M6	17~24	1.7~2.4	12.5~17.7	6,400	12	15/32	378	14 7/8	2.6	5.7	0.45	15.9	9.5	3/8

\*Air Inlet Thread Size: BSP or NPT 1/4".