



PHOTO ; MODEL NO.US-350PW 1985  
STILL USED AT USERS



# SCREW DRIVERS

TORQUE CONTROL SCREWDRIVERS  
CUSHION CLUTCH TYPE SCREWDRIVERS  
OIL-PULSE TYPE SCREWDRIVERS  
IMPACT SCREWDRIVERS  
DIRECT DRIVE SCREWDRIVERS

\* Sound Level measured to ISO 15744  
\* Vibration Level measured to ISO 8662

# SELECTION CHART

Pistol Type



Push-Start Type



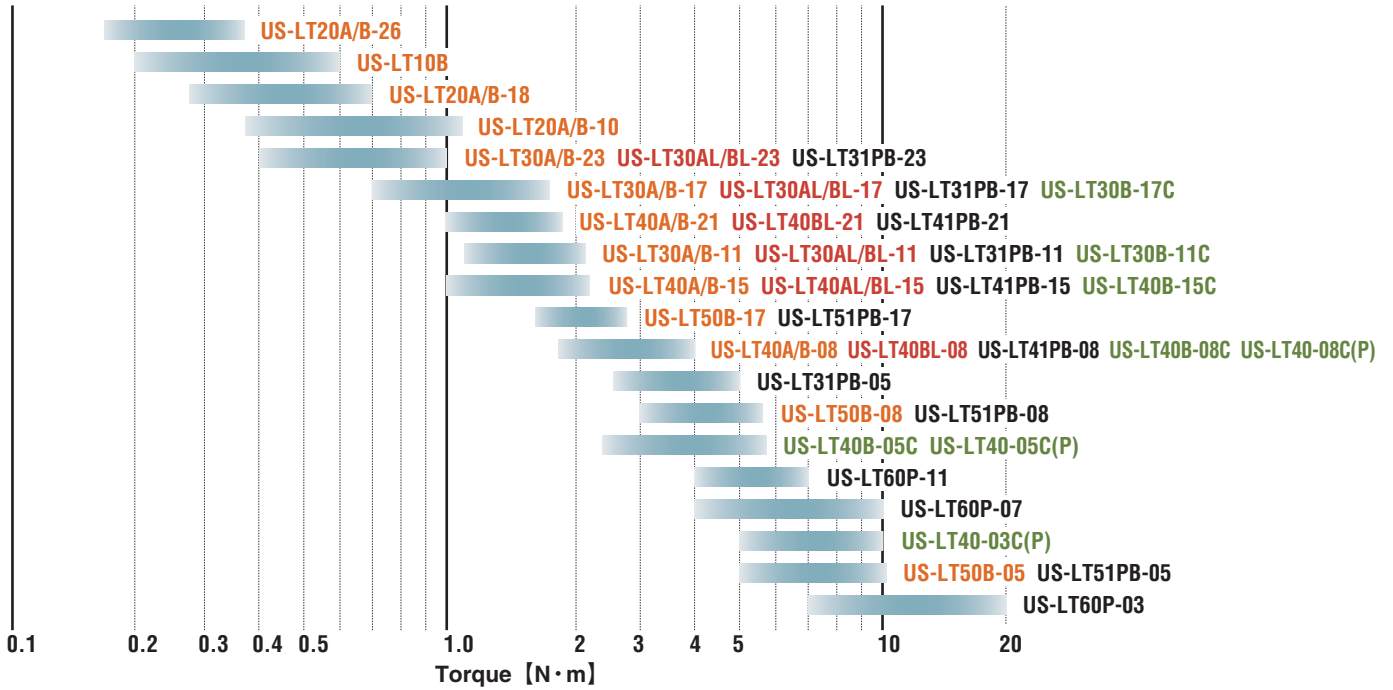
Lever-Start Type



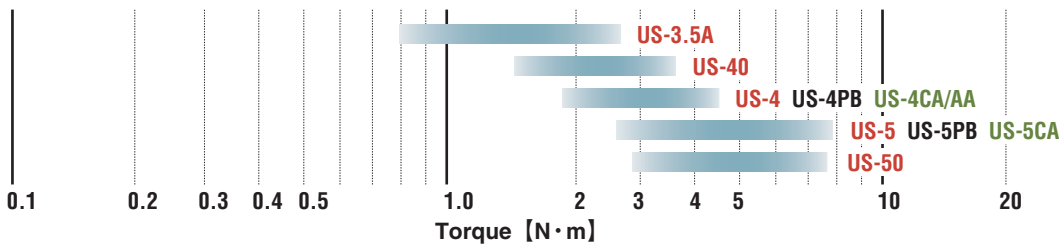
Angle-Head Type



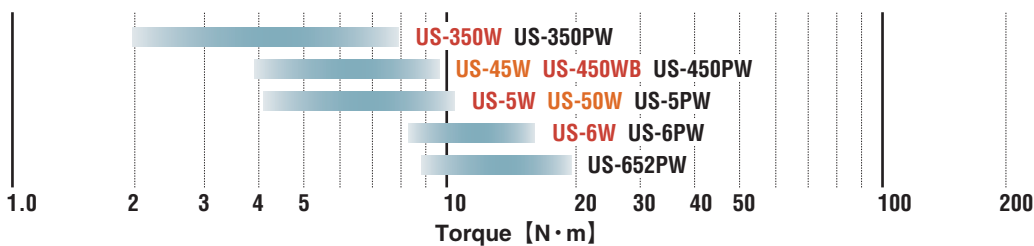
## TORQUE-CONTROL TYPE



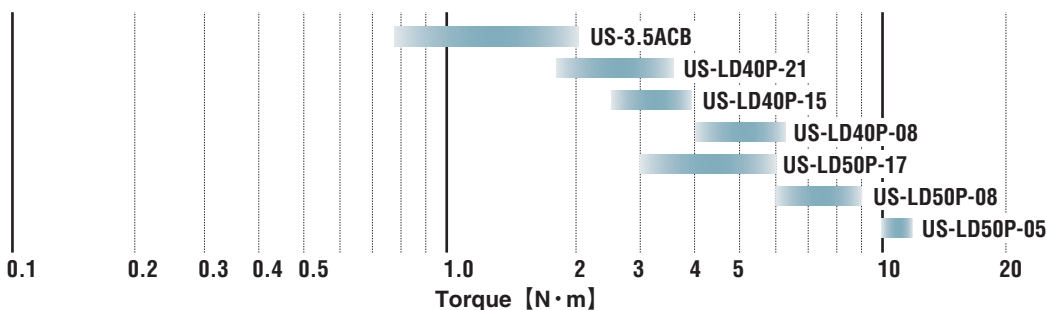
## CUSHION CLUTCH TYPE



## IMPACT TYPE


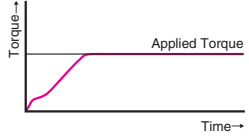
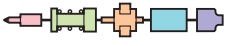
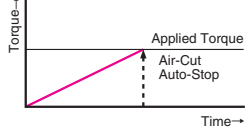
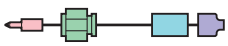
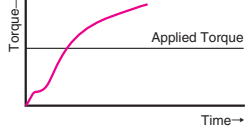
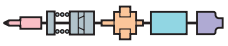
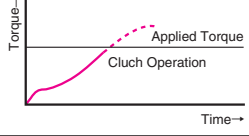
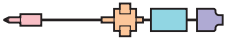
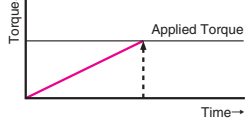


## DIRECT DRIVE TYPE



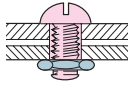
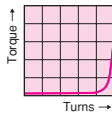

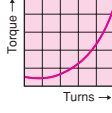
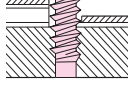
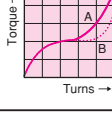
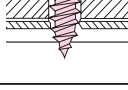
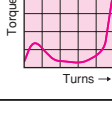
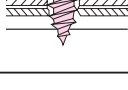
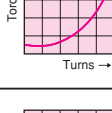

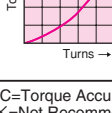
# STRUCTURE & PECULIARITY FOR EACH TYPE

URYU offers a wide range of Screwdrivers to meet every application of screw-fastening in all assembly industries. Following are each feature and torque curve.

<p><b>OIL-PULSE TYPE</b></p> <p>Combined with air motor and the unique hydraulic system equipped with single or double blade impulse unit, Oil-Pulse types offer high productivity, precise fastening &amp; ergonomic working environment.</p>		
<p><b>TORQUE-CONTROL TYPE</b></p> <p>Featured with unique clutch mechanism patented, US-LT series types are automatically shut off at the pre-set torque assuring precise fastening for high quality control.</p>		
<p><b>IMPACT TYPE</b></p> <p>Impact type screwdrivers of well-balanced Double-Hammer mechanism deliver tremendously high torque per weight and perform fast operation in driving and removing screws.</p>		
<p><b>CUSHION CLUTCH TYPE</b></p> <p>Only air motor starts running when throttle lever is operated. The screw bit rotates when operator's push or axial pressure is applied. The output torque can be adjusted by turning regulator to control spring compression or by changing the springs.</p>		
<p><b>DIRECT DRIVE TYPE</b></p> <p>US-LD series types are direct drive screwdriver which stalls when final torque is reached. Applied torque is controlled by operator and output of the motor. Torque level is adjusted by regulating air pressure.</p>		

 : Bit  
  : Clutch  
  : Hammar  
  : Control  
  : Reduction Gear  
  : Oil-Pulse  
  : Air Motor  
  : Air Inlet

## SELECTION GUIDE

Joint & Torque Curve	Feature	Clutch Type	Model	A	B	C
<b>Free Running Hard Stop</b>  	Turns easily until head seats, then instant resistance to torque build-up.	Oil-Pulse	U,UX & ALPHA	⊙	⊙	○
		Impact	UW & US-○○W	×	○	×
		Torque Control	US-LT series	○	⊙	⊙
		Direct Drive	US-LD series	○	○	○
		Cushion	Other US series	○	○	○
<b>Soft Stop</b>  	Turns easily until head seats, Gradual resistance as material compresses.	Oil-Pulse	U,UX & ALPHA	⊙	⊙	○
		Impact	UW & US-○○W	×	○	×
		Torque Control	US-LT series	○	⊙	⊙
		Direct Drive	US-LD series	○	○	○
		Cushion	Other US series	○	○	○
<b>Self-Tapping Thick Material</b>  	Constant heavy resistance until head seats. Then gradual or sudden build-up.	Oil-Pulse	U,UX & ALPHA	⊙	⊙	⊙
		Impact	UW & US-○○W	×	○	×
		Torque Control	US-LT series	×	×	×
		Direct Drive	US-LD series	○	○	○
		Cushion	Other US series	○	○	○
<b>Self-Tapping Sheet Metal</b>  	Increasing resistance followed by easing then sudden build-up as head seats.	Oil-Pulse	U,UX & ALPHA	⊙	⊙	⊙
		Impact	UW & US-○○W	×	○	×
		Torque Control	US-LT series	×	×	×
		Direct Drive	US-LD series	○	○	○
		Cushion	Other US series	○	○	○
<b>Self-Tapping Plastic</b>  	Constant heavy resistance until head seats. Then gradual or sudden build-up.	Oil-Pulse	U,UX & ALPHA	⊙	⊙	⊙
		Impact	UW & US-○○W	×	×	×
		Torque Control	US-LT series	○	⊙	⊙
		Direct Drive	US-LD series	○	○	○
		Cushion	Other US series	○	○	○
<b>Wood Screws</b>  	Small starting resistance which increases as screw is driven in. Heavier resistance when head seats.	Oil-Pulse	U,UX & ALPHA	○	○	○
		Impact	UW & US-○○W	×	×	×
		Torque Control	US-LT series	×	×	×
		Direct Drive	US-LD series	○	⊙	⊙
		Cushion	Other US series	○	○	○

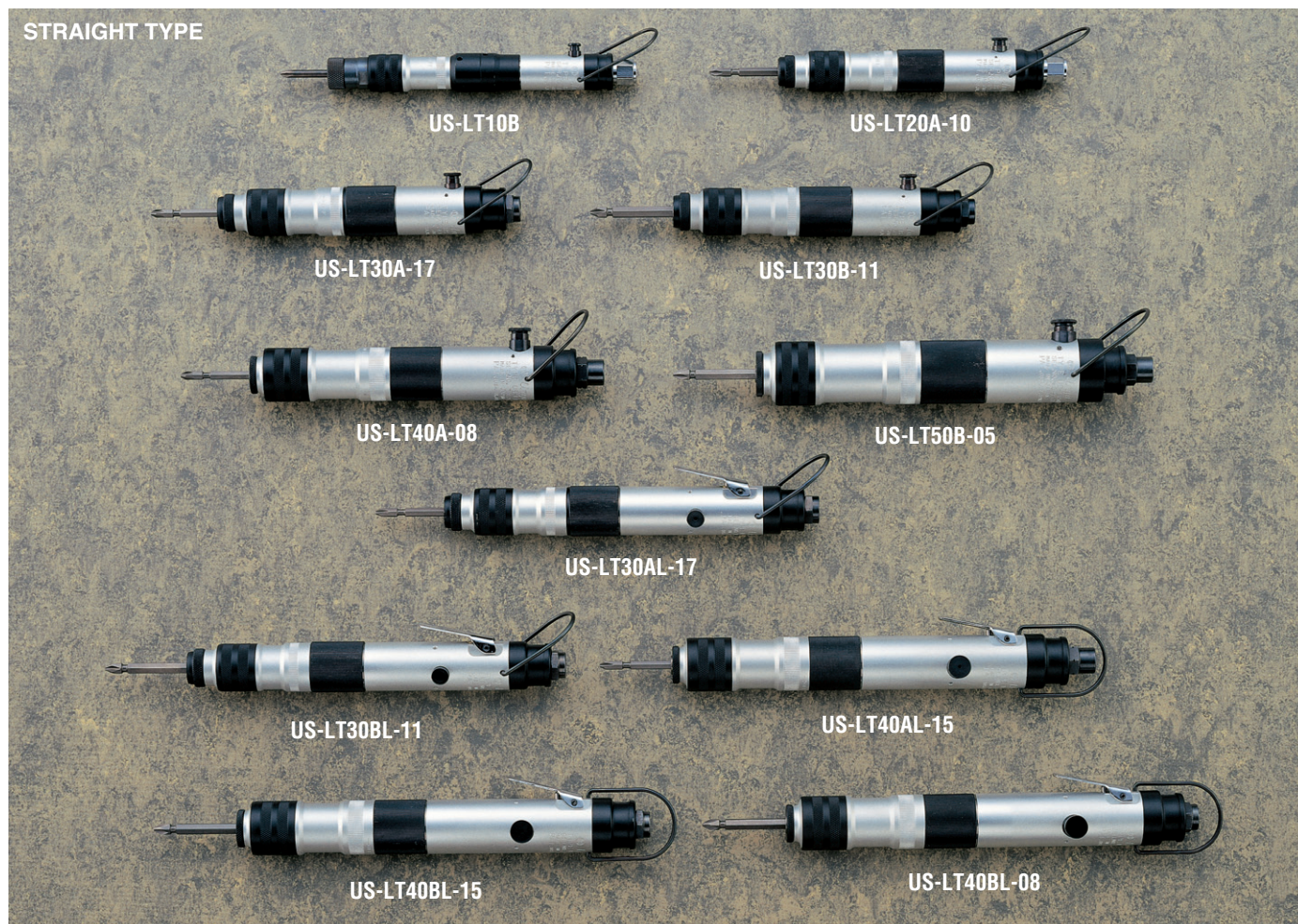
Remarks : A=Ergonomics B=Job Efficiency C=Torque Accuracy  
 Recommendation : ⊙=Excellent ○=Good ×=Not Recommended

SCREWDRIVERS

# TORQUE CONTROL SCREWDRIVERS

The **US-LT series** Screwdrivers offer the most advanced design and engineering concepts ever brought together. Accuracy, durability, comfort, simplicity and flexibility will be some of the benefits you will experience with their use.

## STRAIGHT TYPE



## SPECIFICATIONS

Recommended Air Pressure: 0.6MPa(85psi)

Model	Capacity (Screw Size)		Torque Range		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight less Bit (about)		From Center to Outside (about)		Air Hose Size (inside Dia.)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in	Nm	in-lbs		mm	in	kg	lb	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min		
US-LT10B	2.6	7/64	0.20-0.60	1.8-5.3	1000	190	7 31/64	0.29	0.63	12.0	31/64	6.35	1/4	0.15	5.2	75	0.5
US-LT20A(B)-26	2.2	3/32	0.15-0.35	1.3-3.1	2600	180	7 3/32	0.34	0.68	13.0	33/64	6.35	1/4	0.16	5.6	71	1.0
US-LT20A(B)-18	2.6	7/64	0.25-0.70	2.2-6.2	1800	180	7 3/32	0.34	0.68	13.0	33/64	6.35	1/4	0.16	5.6	70	1.0
US-LT20A(B)-10	3	1/8	0.35-1.10	3.1-9.68	1000	180	7 3/32	0.34	0.68	13.0	33/64	6.35	1/4	0.16	5.6	70	1.0
US-LT30A(B)-23	3	1/8	0.40-1.00	3.5-8.8	2300	187	7 23/64	0.43	0.94	15.5	39/64	6.35	1/4	0.20	7.0	71	1.8
US-LT30A(B)-17	3.5	9/64	0.70-1.50	6.2-13.2	1700	187	7 23/64	0.43	0.94	15.5	39/64	6.35	1/4	0.20	7.0	70	1.8
US-LT30A(B)-11	4	5/32	1.10-2.10	9.7-18.5	1100	187	7 23/64	0.43	0.94	15.5	39/64	6.35	1/4	0.20	7.0	70	1.8
US-LT40A(B)-21	4	5/32	1.00-1.70	6.2-15.0	2100	209	8 15/64	0.65	1.43	16.5	41/64	6.35	1/4	0.30	10.5	74	1.8
US-LT40A(B)-15	4	5/32	1.00-2.20	6.2-19.4	1500	209	8 15/64	0.65	1.43	16.5	41/64	6.35	1/4	0.30	10.5	70	1.8
US-LT40A(B)-08	5	13/64	1.60-4.00	14.1-35.2	800	209	8 15/64	0.65	1.43	16.5	41/64	6.35	1/4	0.30	10.5	70	1.8
US-LT50B-17	4~5	5/32-13/64	1.50-2.60	9.7-23.0	1700	240	9 29/64	1.00	2.20	19.5	49/64	9.50	3/8	0.50	17.5	75	1.8
US-LT50B-08	5~6	13/64-15/64	3.00-5.50	26.4-48.4	800	240	9 29/64	1.00	2.20	19.5	49/64	9.50	3/8	0.50	17.5	75	1.8
US-LT50B-05	5~6	13/64-15/64	5.00-10.5	44.0-92.4	480	240	9 29/64	1.00	2.20	19.5	49/64	9.50	3/8	0.50	17.5	74	1.8
US-LT30A(B)L-23	3	1/8	0.40-1.00	3.52-8.8	2300	229	8 15/64	0.53	1.16	15.0	19/32	6.35	1/4	0.20	5.2	71	1.8
US-LT30A(B)L-17	3.5	9/64	0.70-1.50	6.2-13.2	1700	229	8 15/64	0.53	1.16	15.0	19/32	6.35	1/4	0.20	5.2	70	1.8
US-LT30A(B)L-11	3.5	9/64	1.10-2.10	9.7-18.5	1100	229	8 15/64	0.53	1.16	15.0	19/32	6.35	1/4	0.20	5.2	70	1.8
US-LT40BL-21	4	5/32	1.00-1.70	8.8-15.0	2100	249	9 25/32	0.70	1.54	17.0	21/32	6.35	1/4	0.30	5.6	74	1.8
US-LT40A(B)L-15	4	5/32	1.00-2.20	8.8-19.4	1500	249	9 25/32	0.70	1.54	17.0	21/32	6.35	1/4	0.30	5.6	70	1.8
US-LT40BL-08	5	3/16	1.60-4.00	14.1-35.2	800	249	9 25/32	0.70	1.54	17.0	21/32	6.35	1/4	0.30	5.6	70	1.8

Air Inlet Size : N.P.T. 1/4"

Hex. Size of Bit : 5mm (13/64") for A-Type  
6.35mm (1/4") for B-Type

# TORQUE CONTROL SCREWDRIVERS

PISTOL TYPE



**US-LT60P(P) Series**

Optional 9.5mm (3/8") Sq. Drive Anvil is alternatively available. Suffix each model name with (P) as US-LT60P-11(P) when ordering.



Torque reaction bar should be attached for solid support to absorb the reaction when the tool comes to stall.

SCREWDRIVERS

**SPECIFICATIONS**

Recommended Air Pressure: 0.6MPa(85psi)

Model	Capacity (Screw Size)		Torque Range		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight less Bit (about)		From Center to Outside (about)		Air Hose Size (inside Dia.)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in	Nm	in-lbs		mm	in	kg	lb	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min		
US-LT31PB-23	2.6	7/64	0.40~1.00	3.5~8.8	2300	170	7 1/64	0.71	1.56	16.0	39/64	6.35	1/4	0.20	7.0	70	1.0
US-LT31PB-17	2.2	3/32	0.70~1.50	6.2~13.2	1700	170	7 1/64	0.71	1.56	16.0	39/64	6.35	1/4	0.20	7.0	70	1.0
US-LT31PB-11	2.6	7/64	1.10~2.10	9.7~18.5	1100	170	7 1/64	0.71	1.56	16.0	39/64	6.35	1/4	0.20	7.0	70	1.0
US-LT31PB-05	3	1/8	2.40~5.00	21.1~44.0	500	189	8 3/16	0.85	1.87	16.0	39/64	6.35	1/4	0.20	7.0	70	1.0
US-LT41PB-21	3	1/8	1.00~1.70	8.8~15.0	2500	175	7 23/32	0.87	1.91	17.0	41/64	6.35	1/4	0.30	10.5	74	1.0
US-LT41PB-15	3.5	9/64	1.00~2.20	8.8~19.4	1500	175	7 23/32	0.87	1.91	17.0	41/64	6.35	1/4	0.30	10.5	70	1.0
US-LT41PB-08	4	5/32	1.60~4.00	14.1~35.2	800	175	7 23/32	0.87	1.91	17.0	41/64	6.35	1/4	0.30	10.5	70	1.0
US-LT51PB-17	4	5/32	1.50~2.60	13.2~22.9	1700	198	8 35/64	1.20	2.64	20.0	49/64	9.50	3/8	0.50	17.5	75	1.8
US-LT51PB-08	4	5/32	3.00~5.50	26.4~48.4	800	198	8 35/64	1.20	2.64	20.0	49/64	9.50	3/8	0.50	17.5	75	1.8
US-LT51PB-05	5	13/64	5.00~10.5	44.0~92.4	480	198	8 35/64	1.20	2.64	20.0	49/64	9.50	3/8	0.50	17.5	74	1.8
US-LT60P-11	4~5	5/32~13/64	4.00~7.00	35.2~61.6	1100	230	9 1/16	1.70	3.74	22.0	57/64	9.50	3/8	0.60	21.0	77	2.0
US-LT60P-07	5~6	13/64~15/64	4.00~10.0	35.2~88.0	650	230	9 1/16	1.70	3.74	22.0	57/64	9.50	3/8	0.60	21.0	76	2.5
US-LT60P-03	5~6	13/64~15/64	7.00~20.0	61.6~176	320	230	9 29/64	1.70	3.74	22.0	57/64	9.50	3/8	0.60	21.0	75	2.5

Air Inlet Size : N.P.T. 1/4"

Hex. Size of Bit : 6.35mm (1/4")

**TORQUE-CONTROL MECHANISM**

**1. Neutral**

**2. Operation**

**3. Shut-off**

**External Torque Adjustment (Air Shut-Off)**

Set the hand driver through the slot into the key hole on the Adjusting Gear and turn clockwise to increase torque, and anti-clockwise to decrease.

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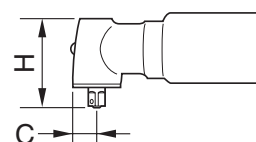
**Locking Reverse Button**

The Reverse Button can be locked during reversing operation. Push the Button and turn clockwise or anti-clockwise for locking.

# TORQUE CONTROL SCREWDRIVERS



Head Sizes



MODEL	C		H	
	mm	in	mm	in
US-LT30B-17C	10	25/64	36.0	1 27/64
US-LT30B-11C	10	25/64	36.0	1 27/64
US-LT40B-15C	10	25/64	36.0	1 27/64
US-LT40B-08C	10	25/64	36.0	1 27/64
US-LT40B-05C	10	25/64	38.5	1 33/64
US-LT40-08C(P)	10	25/64	32.0	1 17/64
US-LT40-05C(P)	13	33/64	35.5	1 25/64
US-LT40-03C(P)	13	33/64	35.5	1 25/64

## SPECIFICATIONS

Recommended Air Pressure:0.6MPa(85psi)

Model	Capacity (Screw Size)		Torque Range		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight less Bit (about)		From Center to Outside (about)		Air Hose Size (inside Dia.)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in	Nm	in-lbs		mm	in	kg	lb	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min		
US-LT30B-17C	2.6	7/64	0.70~1.50	6.2~13.2	1700	295	10 3/4	0.70	1.54	36.0	1 27/64	6.35	1/4	0.20	7.0	73	2.5
US-LT30B-11C	2.2	3/32	1.10~2.10	9.7~18.5	1100	295	10 3/4	0.70	1.54	36.0	1 27/64	6.35	1/4	0.20	7.0	73	2.5
US-LT40B-15C	2.6	7/64	1.00~2.20	8.8~19.4	1500	314	12 25/32	0.90	1.98	36.0	1 27/64	6.35	1/4	0.30	10.5	75	3.2
US-LT40B-08C	3	1/8	1.60~4.00	14.1~35.2	800	314	12 25/32	0.90	1.98	36.0	1 27/64	6.35	1/4	0.30	10.5	75	3.2
US-LT40B-05C	3	1/8	2.30~5.70	20.2~50.2	500	325	13 7/32	0.95	2.09	38.5	1 33/64	6.35	1/4	0.30	10.5	75	3.2
US-LT40-08C(P)	3.5	9/64	1.60~4.00	14.1~35.2	800	314	12 25/32	0.90	1.98	32.0	1 17/64	6.35	1/4	0.30	10.5	75	3.2
US-LT40-05C(P)	4	5/32	2.30~5.70	20.2~50.2	500	325	13 7/32	0.95	2.09	35.5	1 25/64	6.35	1/4	0.30	10.5	75	3.2
US-LT40-03C(P)	4	5/32	5.00~10.0	44~88	300	359	14 11/64	1.10	2.42	35.5	1 25/64	6.35	1/4	0.30	10.5	72	3.2

Air Inlet Size : N.P.T.1/4"

Hex. Size of Bit : 6.35mm (1/4") for B-Type

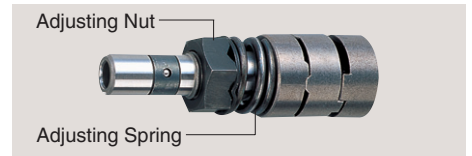
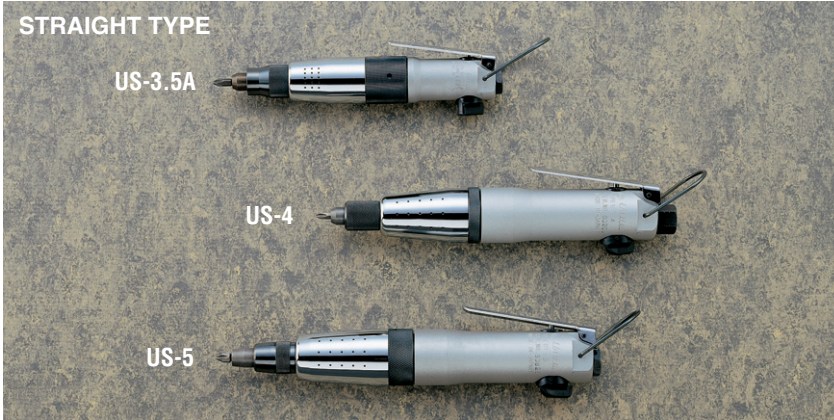
Sq Size of Anvil : 6.35mm (1/4") for US-LT40 Series

## OPTIONAL CLUTCH SPRINGS FOR US-LT SERIES

Model Name	Color of Clutch Spring		Torque Range(soft joint)		Torque Range(hard joint)		Code No.
	Standard	Option	Nm	in.lbs	Nm	in.lbs	
US-LT10B	● Black		0.20~0.60	1.76~5.28	0.20~0.60	1.76~5.28	976-379-0
US-LT20B-10	● Black		0.35~1.10	3.08~9.68	0.34~1.17	3.0~10.3	976-432-0
		● Red ● Yellow	0.20~0.70 0.15~0.35	1.76~6.16 1.32~3.08	0.20~0.70 0.20~0.34	1.76~6.16 1.76~2.99	976-431-0 976-430-0
US-LT20B-18	● Red		0.25~0.70	2.2~6.16	0.34~0.67	3.0~5.9	976-431-0
		● Yellow	0.15~0.35	1.32~3.08	0.29~0.34	2.55~2.99	976-430-0
US-LT20B-26	● Yellow		0.15~0.35	1.32~3.08	0.39~0.44	3.4~3.9	976-430-0
US-LT31PB-05	● Red		2.40~5.00	21.12~44.0	2.40~5.00	21.12~44.0	976-493-0
		● Pink	1.00~2.80	8.8~24.64	1.00~2.80	8.8~24.64	976-471-0
US-LT30B/31PB-11	● Blue		1.10~2.10	9.68~18.48	1.10~2.10	9.68~18.48	976-472-0
		● Red	0.70~1.80	6.16~15.84	0.70~1.80	6.16~15.84	976-493-0
		● Pink	0.40~1.00	3.52~8.8	0.40~1.00	3.52~8.8	976-471-0
US-LT30B/31PB-17	● Red		0.70~1.50	6.16~13.2	0.83~1.76	7.3~15.5	976-493-0
		● Pink	0.40~1.00	3.52~8.8	0.59~0.98	5.19~8.62	976-471-0
US-LT30B/31PB-23	● Pink		0.40~1.00	3.52~8.8	0.78~1.08	6.86~9.5	976-471-0
US-LT40-03C	● Red		5.00~10.0	44.0~88.0	5.00~10.0	44~88	976-516-0
US-LT40B/41PB-08	● Black		1.60~4.00	14.08~35.2	1.60~4.00	14.08~35.2	976-515-0
		● Red	1.00~2.20	8.8~19.36	1.00~2.20	8.8~19.36	976-516-0
		● Yellow	1.00~1.70	8.8~14.96	1.00~1.70	8.8~14.96	976-517-0
US-LT40B/41PB-15	● Red		1.00~2.20	8.8~19.36	1.00~2.20	8.8~19.36	976-516-0
		● Yellow	1.00~1.70	8.8~14.96	1.00~1.70	8.8~14.96	976-517-0
US-LT40B/41PB-21	● Yellow		1.00~1.70	8.8~14.96	1.00~1.70	8.8~14.96	976-517-0
US-LT50B/51PB-05	● Black		5.0~10.5	44.0~92.4	5.0~10.5	44~92.4	976-620-0
		● Red	3.0~5.5	26.4~48.4	3.0~5.5	26.4~48.4	976-614-0
		● Yellow	1.5~2.6	13.2~22.88	1.5~2.6	13.2~22.88	976-588-0
US-LT50B/51PB-08	● Red		3.0~5.5	26.4~48.4	3.0~5.5	26.4~48.4	976-614-0
		● Yellow	1.5~2.6	13.2~22.88	1.5~2.6	13.2~22.88	976-588-0
US-LT50B/51PB-17	● Yellow		1.5~2.6	13.2~22.88	1.5~2.6	13.2~22.88	976-588-0

# CUSHION CLUTCH SCREWDRIVERS

## STRAIGHT TYPE



The output torque can be adjusted by turning the adjusting nut to control spring compression or by changing the suitable spring.



Adjusting Springs of three different tensions are available for wider adjustment of torque.

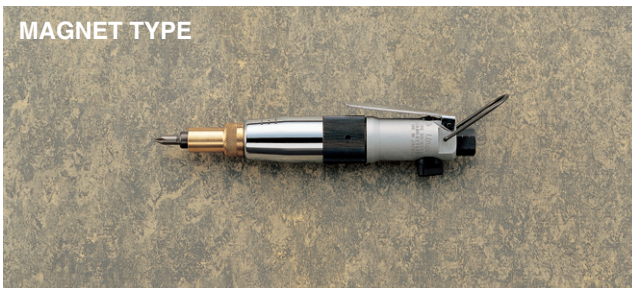
## SPECIFICATIONS

Recommended Air Pressure: 0.4MPa(57psi)

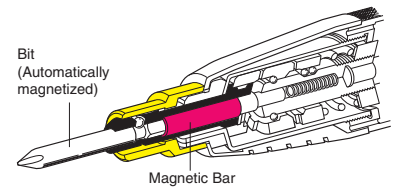
Model	Capacity (Screw Size)		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Socket or Bit (about)		From Center to Outside (about)		Hex. Size of Bit		Air Hose Size		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in		mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min		
US-3.5A	M4	5/32	2000	196	7 31/64	0.60	1.39	17.0	43/64	5.00	13/64	6.35	1/4	0.20	7.0	75	5.6
US-3.5B	M4	5/32	2000	214	8 27/54	0.63	1.39	17.0	43/64	6.35	1/4	6.35	1/4	0.20	7.0	75	5.6
US-4	M4	5/32	1400	236	7 3/32	0.95	2.09	20.0	25/32	5.00	13/64	6.35	1/4	0.20	7.0	75	10.0
US-5	M5	3/16	1400	236	7 3/32	1.10	2.42	21.0	53/64	6.35	1/4	6.35	1/4	0.20	7.0	75	10.0

Air Inlet Size : N.P.T.1/4"

## MAGNET TYPE



## Cutaway view of Magnet type head



The standard bit contacts the built-in Magnetic Bar to be magnetized and holds the screw.

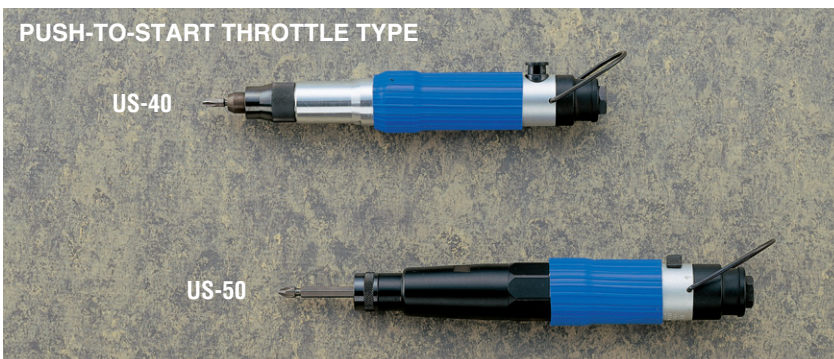
## SPECIFICATIONS

Recommended Air Pressure: 0.4MPa(57psi)

Model	Capacity (Screw Size)		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Socket or Bit (about)		From Center to Outside (about)		Hex. Size of Bit		Air Hose Size		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in		mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min		
US-3.5MA	M4	5/32	2000	198	7 3/32	0.65	0.68	17.0	33/64	6.35	1/4	6.35	1/4	0.20	7.0	75	2.3

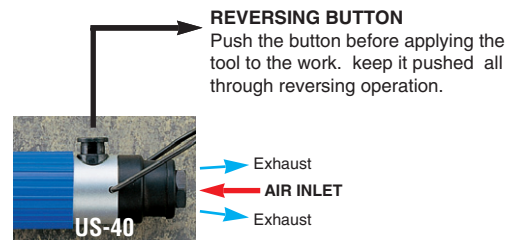
Air Inlet Size : N.P.T.1/4"

## PUSH-TO-START THROTTLE TYPE



## Non-Lever type Throttle

Operator's axial pressure pushes up the operating rod to open the throttle valve automatically.



## SPECIFICATIONS

Recommended Air Pressure: 0.4MPa(57psi)

Model	Capacity (Screw Size)		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Socket or Bit (about)		From Center to Outside (about)		Hex. Size of Bit		Air Hose Size		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in		mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min		
US-40	M4	5/32	2200	225	8 55/64	0.56	1.23	17.0	43/64	5.00	13/64	6.35	1/4	0.20	7.0	70	5.6
US-50	M5	3/16	1200	245	9 41/64	0.90	1.98	18.0	45/64	6.35	1/4	6.35	1/4	0.30	10.7	76	10.0

Air Inlet Size : N.P.T.1/4"

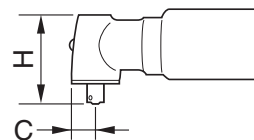
SCREWDRIVERS

# CUSHION CLUTCH SCREWDRIVERS

PISTOL / ANGLE TYPE



Head Sizes



MODEL	C		H	
	mm	in	mm	in
US-3.5ACB	10.0	25/64	36.5	1 33/64
US-4CA	12.0	15/32	45.0	1 25/32
US-5CA	12.0	15/32	45.0	1 25/32

SPECIFICATIONS

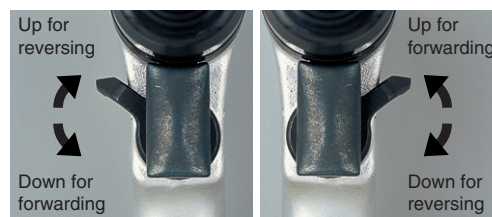
Recommended Air Pressure: 0.4MPa(57psi)

Model	Capacity (Screw Size)		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Bit (about)		From Center to Outside (about)		Air Inlet Size	Hex. Size of Bit		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in		mm	in	kg	lb	mm	in		mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min		
US-3.5PB	M4	5/32	2000	200	7 7/8	0.75	1.65	17.0	43/64	N.P.T.1/4	6.35	1/4	0.20	7.0	75	2.3
US-4PB	M4	5/32	1400	223	8 25/32	1.15	2.53	20.0	49/64	N.P.T.1/4	5.00	13/64	0.20	7.0	75	2.3
US-5PB	M5	3/16	1400	236	9 19/64	1.30	2.86	21.0	33/64	N.P.T.1/4	6.35	1/4	0.20	7.0	75	2.3
*US-3.5ACB	M4	5/32	2000	236	9 19/64	0.65	1.43	10.0	25/64	N.P.T.1/4	6.35	1/4	0.20	7.0	85	5.6
US-4CA	M4	5/32	1400	225	8 7/8	1.10	2.24	12.0	29/64	N.P.T.1/4	6.35	1/4	0.30	10.7	85	3.2
US-5CA	M5	3/16	500	198	7 3/32	1.40	3.08	12.0	29/64	N.P.T.1/4	6.35	1/4	0.30	10.7	85	3.2

\*US-3.5ACB is not the cushion clutch type but the direct drive type. Air Hose Size (Inside Diameter) : 6.35mm (1/4")

# DIRECT DRIVE SCREWDRIVERS

PISTOL TYPE



By replacing Reverse Lever, Operator can use either left or right hand.

SPECIFICATIONS

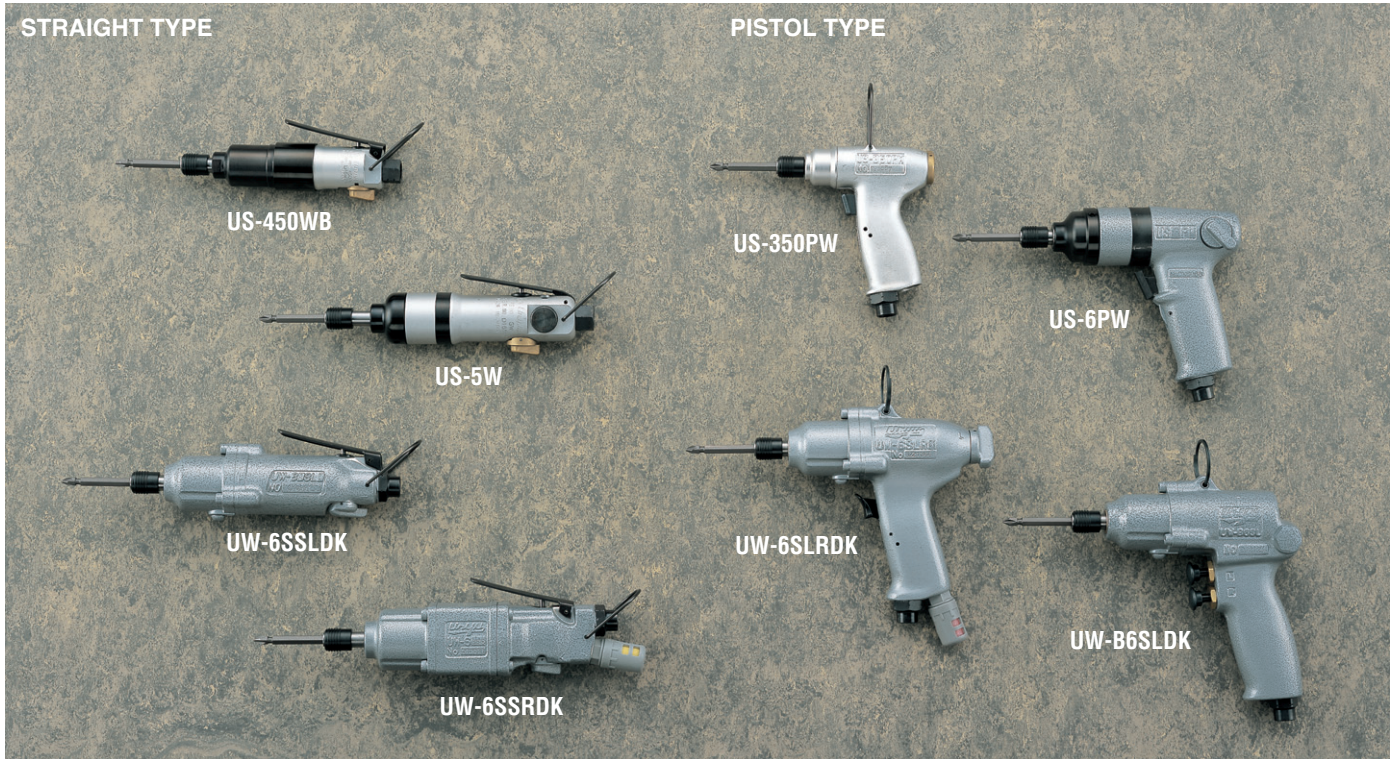
Recommended Air Pressure : 0.5MPa(71psi)

Model	Capacity (Screw Size)		Torque Range				Free Speed (about) r.p.m.	Overall Length (about)		Weight Less Bit (about) kg lb	From Center to Outside (about)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>	
	mm	in	Soft Joint		Hard Joint			mm	in		mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min			
			Nm	ft-lbs	Nm	ft-lbs											
US-LD40P-21	M4	5/32	2.0	1.5	2.8	2.1	2500	130	5 1/14	0.7	1.54	17.0	43/64	0.40	14.0	74	1.0
US-LD40P-15	M4	5/32	3.0	2.2	3.2	2.4	1700	130	5 1/14	0.7	1.54	17.0	43/64	0.40	14.0	70	1.0
US-LD40P-08	M5	3/16	4.8	3.6	5.7	4.2	940	130	5 1/14	0.7	1.54	17.0	43/64	0.40	14.0	70	1.0
US-LD50P-17	M4	5/32	3.5	2.6	5.9	4.4	1900	150	5 29/32	0.9	2.01	20.0	49/64	0.50	17.5	75	2.0
US-LD50P-08	M5	3/16	6.5	4.8	7.8	5.8	900	153	6 1/32	0.9	2.01	20.0	49/64	0.50	17.5	75	2.0
US-LD50P-05	M5	3/16	10.0	7.4	11.2	8.3	500	153	6 1/32	0.9	2.01	20.0	49/64	0.50	17.5	74	2.0

Air Inlet Size : N.P.T.1/4" Air Hose Size : 6.35mm (1/4") Hex.Size of Bit : 6.35mm (1/4")



# IMPACT TYPE SCREWDRIVERS



## SPECIFICATIONS (STRAIGHT TYPE)

Model	Capacity (Screw Size)		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Bit (about)		From Center to Outside (about)		Hex. Size of Bit		Air Hose Size (inside Dia)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>	Recommended Air Pressure	
	mm	in		mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min			Mpa	psi
US-350W	M4	5/32	14000	168	6 5/8	0.40	0.88	17.0	43/64	6.35	1/4	6.35	1/4	0.20	7.0	80	2.3	0.4	57
US-450WB	M5	3/16	11000	161	6 5/16	0.55	1.21	18.5	47/64	6.35	1/4	6.35	1/4	0.20	7.0	80	2.3	0.4	57
US-45W	M5	3/16	12000	193	7 19/32	0.50	1.10	17.0	43/64	6.35	1/4	6.35	1/4	0.20	7.0	80	2.3	0.4	57
US-5W	M5	3/16	9500	198	7 51/64	0.80	1.60	20.0	27/32	6.35	1/4	6.35	1/4	0.20	7.0	85	5.6	0.4	57
US-6W	M6	1/4	9500	187	7 23/64	0.80	1.76	22.5	57/64	6.35	1/4	6.35	1/4	0.30	10.5	85	3.2	0.4	57
UW-6SSLRDK	M6	1/4	8500	245	9 21/32	0.87	1.98	21.5	27/32	6.35	1/4	9.5	3/8	0.30	10.5	90	10.0	0.6	85
UW-6SSRDK	M6	1/4	7500	241	9 31/64	0.97	2.20	22.0	27/32	6.35	1/4	9.5	3/8	0.30	10.5	90	10.0	0.6	85
UW-6SSHRDK	M8	5/16	7300	265	10 7/16	1.26	2.75	24.0	15/16	6.35	1/4	9.5	3/8	0.35	12.4	91	17.8	0.6	85
UW-6SSLDK	M6	1/4	8500	203	7 63/64	0.90	1.98	21.5	27/32	6.35	1/4	9.5	3/8	0.30	10.5	91	10.0	0.6	85
UW-6SSDK	M6	1/4	7500	202	7 61/64	1.00	2.20	22.0	27/32	6.35	1/4	9.5	3/8	0.30	10.5	91	10.0	0.6	85
UW-6SSHDK	M8	5/16	7500	220	8 21/32	1.25	2.86	24.0	15/16	6.35	1/4	9.5	3/8	0.35	12.4	92	17.8	0.6	85

Air Inlet Size : N.P.T.1/4"

## SPECIFICATIONS (PISTOL TYPE)

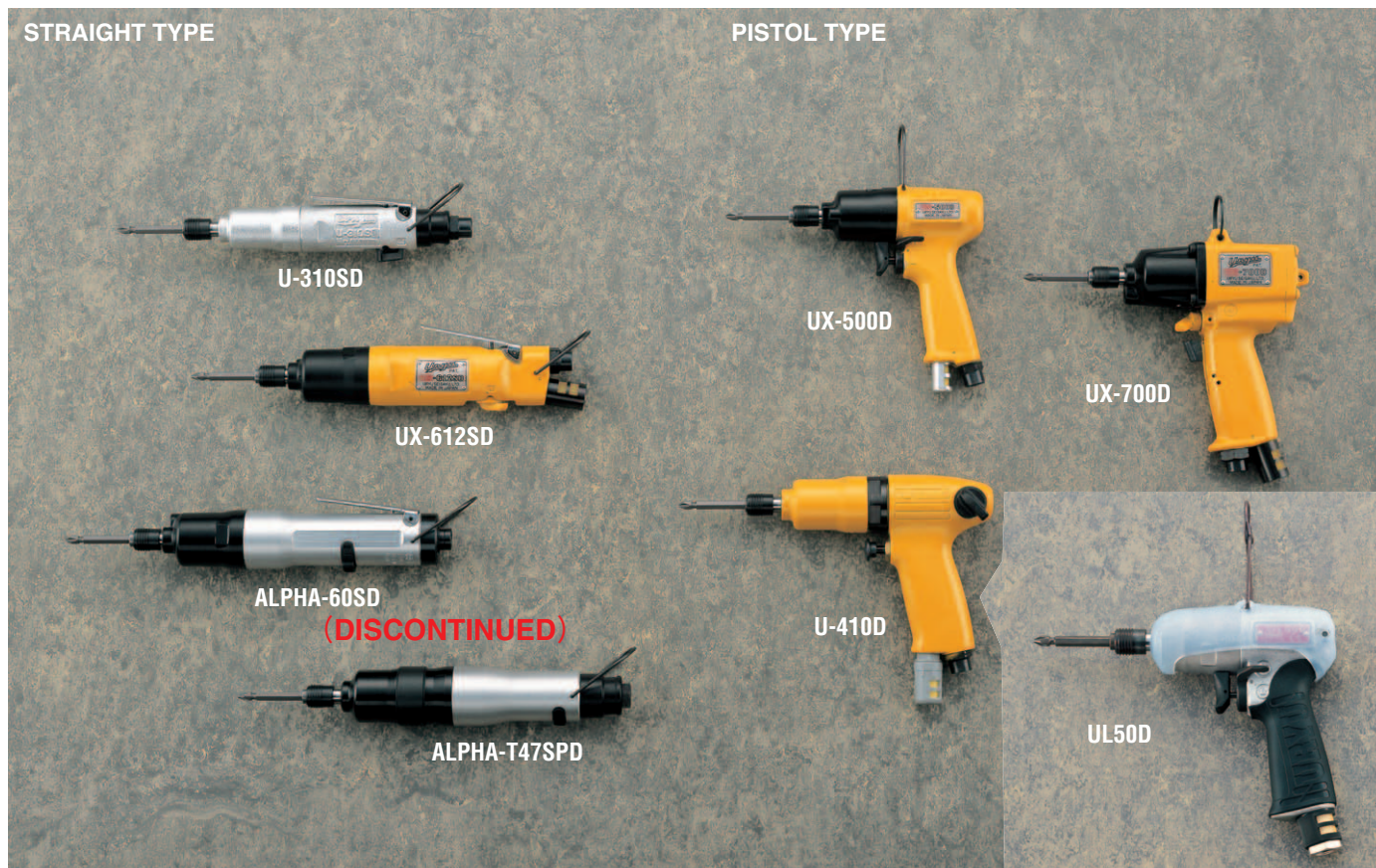
Model	Capacity (Screw Size)		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Bit (about)		From Center to Outside (about)		Hex. Size of Bit		Air Hose Size (inside Dia)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>	Recommended Air Pressure	
	mm	in		mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min			Mpa	psi
US-350PW	M4	5/32	16000	121	4 49/64	0.53	1.16	17.0	43/64	6.35	1/4	6.35	1/4	0.20	7.0	81	2.5	0.4	57
US-450PW	M5	3/16	11000	149	5 55/64	0.75	1.65	17.0	43/64	6.35	1/4	6.35	1/4	0.20	7.0	79	2.5	0.4	57
US-5PW	M5	3/16	9500	173	6 13/16	0.95	2.10	20.0	25/32	6.35	1/4	6.35	1/4	0.30	10.5	85	1.0	0.4	57
US-6PW	M6	15/64	10000	170	6 45/64	1.00	2.20	23.0	57/64	6.35	1/4	6.35	1/4	0.30	10.5	85	1.0	0.4	57
US-652PW	M6	15/64	9300	155	6 7/64	0.85	1.87	23.0	15/16	6.35	1/4	6.35	1/4	0.25	8.8	79	1.8	0.4	57
UW-6SLRDK	M6	1/4	8500	169	6 21/32	0.97	2.13	22.0	27/32	6.35	1/4	9.5	3/8	0.30	10.5	91	5.6	0.6	85
UW-6SHBRDK	M8	5/16	7300	153	6 1/32	1.36	2.99	24.0	15/16	6.35	1/4	9.5	3/8	0.35	12.4	91	5.6	0.6	85
UW-6SLDK	M6	1/4	8500	165	6 1/2	0.97	2.13	22.0	27/32	6.35	1/4	9.5	3/8	0.30	10.5	92	5.6	0.6	85
UW-B6SLDK	M6	1/4	8500	170	6 45/64	1.00	2.20	24.0	61/64	6.35	1/4	9.5	3/8	0.30	10.5	92	5.6	0.6	85
UW-6SDK	M6	1/4	7500	160	6 5/16	1.22	2.68	22.0	27/32	6.35	1/4	9.5	3/8	0.30	10.5	93	5.6	0.6	85
UW-6SADK	M6	1/4	7500	160	6 5/16	1.10	2.47	22.0	27/32	6.35	1/4	9.5	3/8	0.30	10.5	93	5.6	0.6	85
UW-6SHDK	M8	5/16	7500	190	7 31/64	1.45	3.10	24.0	15/16	6.35	1/4	9.5	3/8	0.35	12.4	92	5.6	0.6	85

Air Inlet Size : N.P.T.1/4"

# OIL-PULSE TYPE SCREWDRIVERS

## STRAIGHT TYPE

## PISTOL TYPE



## SPECIFICATIONS (STRAIGHT TYPE)

Recommended Air Pressure:0.6MPa(85psi)

Model	Capacity (Screw Size)		Torque Range		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Bit (about)		From Center to Outside (about)		Air Hose Size (inside Die)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in	Nm	ft-lbs		mm	in	kg	lb	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min	dB(A)	m/sec <sup>2</sup>		
U-310SD	M3-4	No.8	2.50-3.10	1.8-2.2	11000	222	8 45/64	0.62	1.50	18.0	47/64	9.5	3/8	0.15	5.3	68	1.8
U-350SD	M3-4	No.8	3.50-5.80	2.6-3.1	10500	238	9 3/8	0.71	1.50	22.0	47/64	9.5	3/8	0.15	5.3	74	1.8
U-410SD	M4-5	No.8-10	7.00-10.0	5.2-7.4	10500	240	9 27/32	0.80	1.80	22.0	7/8	9.5	3/8	0.15	5.3	91	2.2
UX-450SD	M5	No.10	8.00-14.0	5.9-10.4	9500	239	9 11/64	0.80	1.80	22.0	7/8	6.35	1/4	0.20	7.0	67	2.2
UX-500SD	M5-6	No.10-1/4	13.0-20.0	9.6-14.8	9300	244	9 39/64	0.92	2.00	22.0	7/8	6.35	1/4	0.25	8.8	70	2.2
UX-612SD	M6-8	1/4-5/16	16.0-28.0	11.9-20.8	9300	253	9 61/64	1.00	2.20	23.0	29/32	6.35	1/4	0.30	10.7	77	2.2
UX-700SD	M8	5/16	20.0-36.0	14.6-26.6	9000	249	9 51/64	1.27	2.80	26.5	1 3/64	6.35	1/4	0.35	12.3	79	2.2
ALPHA-45SD	M4	5/32	13.0-20.0	9.6-14.8	5500	243	9 9/16	0.86	2.53	22.0	7/8	6.35	1/4	0.20	7.0	80	2.3

Air Inlet Size : N.P.T.1/4" Hex. Size of Bit : 6.35mm (1/4")

## SPECIFICATIONS (PISTOL TYPE)

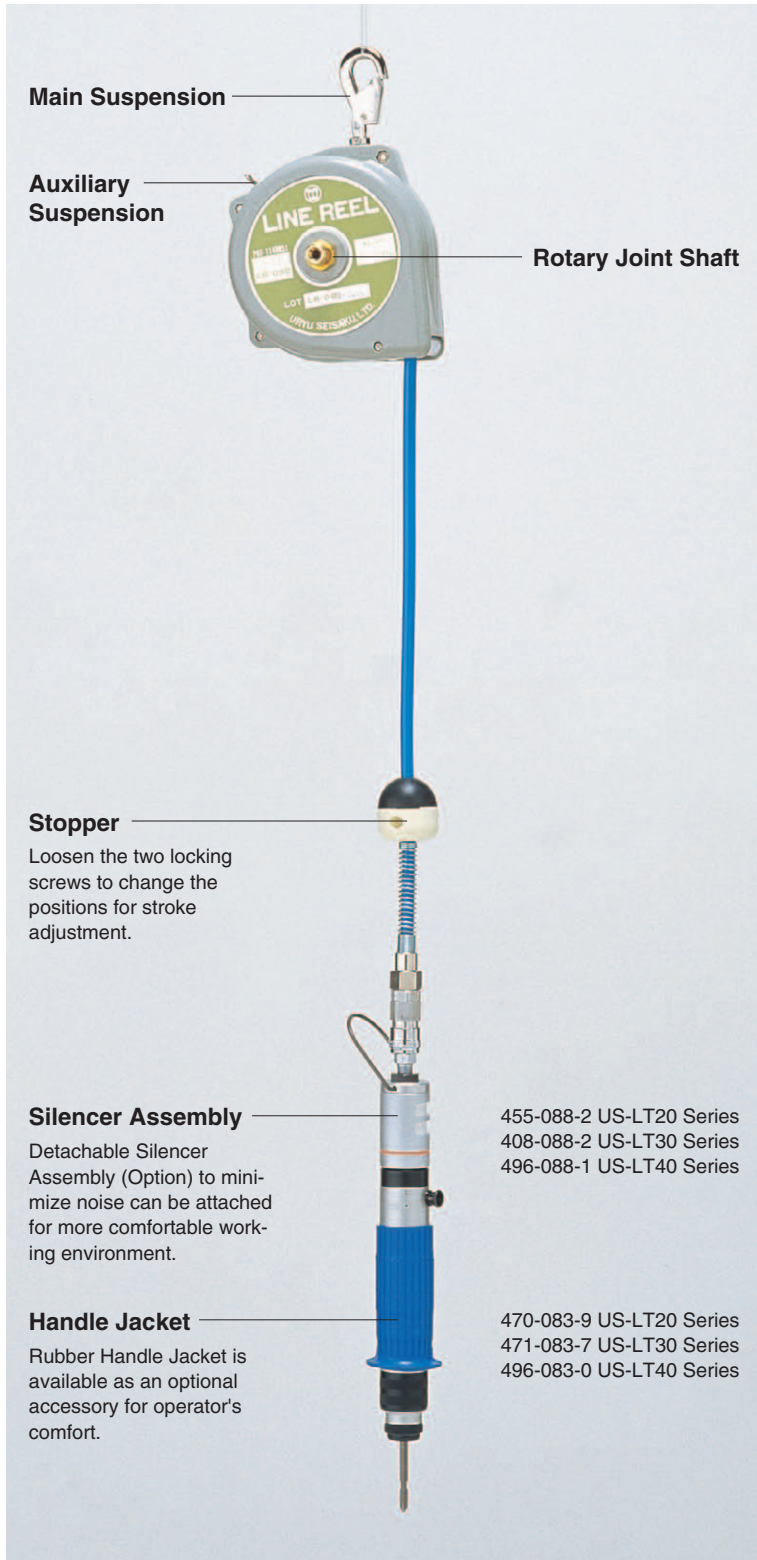
Recommended Air Pressure:0.6MPa(85psi)

Model	Capacity (Screw Size)		Torque Range		Free Speed (Approx.) r.p.m.	Overall Length (about)		Weight Less Bit (about)		From Center to Outside (about)		Air Hose Size (inside Die)		Average Air Consumption		Noise Level dB(A)	Vibration Level m/sec <sup>2</sup>
	mm	in	Nm	ft-lbs		mm	in	kg	lb	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min	dB(A)	m/sec <sup>2</sup>		
UL30D	M5	No.10	6.0~12.0	4.4~8.9	5700	135	5 5/16	0.70	1.5	20.5	13/16	6.35	1/4	0.20	7.0	75	1.2
UL40D	M5-6	No.10-1/4	11.0~20.0	8.1~14.8	6100	135	5 5/16	0.70	1.5	20.5	13/16	6.35	1/4	0.20	7.0	75	1.2
UL50D	M6-8	1/4-5/16	18.0~28.0	13.3~20.7	6500	144	5 43/64	0.77	1.7	22.0	55/64	6.35	1/4	0.30	10.5	78	2.3
UL60D	M8	3/8-7/8	22.0~35.0	16.3~25.9	6700	142	5 19/32	0.82	1.8	22.0	55/64	6.35	1/4	0.40	14.0	80	2.3
U-350D	M3-4	No.8	3.5-5.8	2.6-4.3	11500	155	6 3/32	0.76	1.60	22.0	7/8	6.35	1/4	0.15	5.3	74	1.0
U-410D	M4-5	No.8-10	7.0-10.0	5.2-7.4	10000	188	7 13/32	1.00	2.20	22.0	7/8	6.35	1/4	0.15	5.3	70	1.4
UX-450D	M5	No.10	8.0-14.0	5.9-10.4	9500	151	5 15/16	0.85	1.90	22.0	7/8	6.35	1/4	0.20	7.0	75	1.0
UX-500D	M5-6	No.10-1/4	13.0-20.0	9.6-14.8	9300	152	5 63/64	0.85	1.90	22.0	7/8	6.35	1/4	0.25	8.8	70	1.0
UX-612D	M6-8	1/4-5/16	16.0-28.0	11.8-20.7	9300	164	6 29/64	0.95	2.10	23.0	29/32	6.35	1/4	0.30	10.5	75	1.0
UX-700D	M8	5/16	20.0-36.0	14.8-26.6	9000	171	6 47/64	1.38	3.00	26.0	1.00	6.35	1/4	0.35	12.3	75	0.7

Air Inlet Size : N.P.T.1/4" Hex. Size of Bit : 6.35mm (1/4")

# AIR HOSE BALANCER

The "Line Reel" air hose balancer, without any hampering chain or rope to balance the tool, contributes to keep the work bench and work area uncluttered for safer operation, higher productivity, less operator's fatigue and longer tool life.



**Main Suspension**

**Auxiliary Suspension**

**Rotary Joint Shaft**

**Stopper**

Loosen the two locking screws to change the positions for stroke adjustment.

**Silencer Assembly**

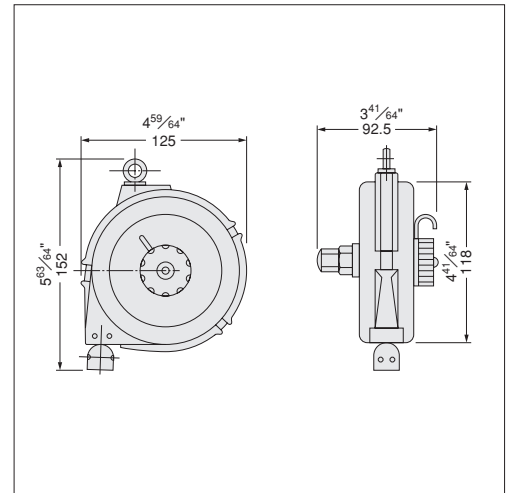
Detachable Silencer Assembly (Option) to minimize noise can be attached for more comfortable working environment.

**Handle Jacket**

Rubber Handle Jacket is available as an optional accessory for operator's comfort.

455-088-2 US-LT20 Series  
408-088-2 US-LT30 Series  
496-088-1 US-LT40 Series

470-083-9 US-LT20 Series  
471-083-7 US-LT30 Series  
496-083-0 US-LT40 Series



**Locking Spring**

Push to release the Adjustment Dial for anti-clockwise turn.



**Adjustment Dial Turn**

clockwise for heavier load and counter-clockwise for lighter load.

## SPECIFICATIONS

Model	Max Suspending Capacity		Air Hose Size I.D.xO.D.xLength		Weight (about)		Max Stroke		Max Air Pressure	
	Kg	lb	mm	in	kg	lb	mm	in	Mpa	psi
LR-09B(200)	1.4	3.08	5 x 8.5 x 2000	<sup>13</sup> / <sub>64</sub> X <sup>21</sup> / <sub>64</sub> X 78 <sup>47</sup> / <sub>64</sub>	1.89	0.86	700	27 <sup>9</sup> / <sub>16</sub>	1	142

GROUP OF TOOLS	A	US-LT20A, LT30A & 40A, US-3.5A, US-40, US-4, US-3.5PA, US-4PB
	B	US-○○, UW-○○D, ALPHA/UX/U-○○D, US-LT10B, LT30B, LT40B, LT50B & LT60, US-5, US-50, US-3, US-3.5PB, US-5PB
	C	US-LT10B
	D	US-3.5MA
	E	US-LT30B-11C & 17C, US-LT40B-08C & 15C, US-3.5ACB, US-4CA, US-4AA, US-5AA, US-5CA

PHILLIPS BITS

Group	Bit	Phillips No.1			Phillips No.2			Phillips No.3		
		mm (L) in	Code No.		mm (L) in	Code No.		mm (L) in	Code No.	
A		70	2 3/4	916-300-0	70	2 3/4	916-310-0	75	2 61/64	916-320-0
		100	3 15/16	916-301-0	100	3 15/16	916-311-0	120	4 23/32	916-321-0
		120	4 23/32	916-306-0	120	4 23/32	916-316-0	150	5 29/32	916-323-0
		150	5 29/32	916-302-0	150	5 29/32	916-312-0	200	7 7/8	916-322-0
A		70	2 3/4	916-700-0	70	2 3/4	916-710-0	70	2 3/4	916-710-0
		100	3 15/16	916-701-0	100	3 15/16	916-711-0	100	3 15/16	916-793-0
		120	4 23/32	916-704-0	120	4 23/32	916-714-0	125	4 59/64	916-794-0
		150	5 29/32	916-702-0	150	5 29/32	916-712-0			
B		75	2 61/64	916-400-0	75	2 61/64	916-410-0	75	2 61/64	916-420-0
		100	3 15/16	916-401-0	100	3 15/16	916-411-0	100	3 15/16	916-421-0
		120	4 23/32	916-405-0	120	4 23/32	916-416-0	120	4 23/32	916-426-0
		150	5 29/32	916-402-0	150	5 29/32	916-412-0	150	5 29/32	916-422-0
B		75	2 61/64	916-800-0	75	2 61/64	916-810-0	75	2 61/64	916-820-0
		100	3 15/16	916-801-0	100	3 15/16	916-811-0	100	3 15/16	916-821-0
		120	4 23/32	916-804-0	120	4 23/32	916-814-0	120	4 23/32	916-824-0
		150	5 29/32	916-802-0	150	5 29/32	916-812-0	150	4 29/32	916-822-0
C		Phillips No.0	1 31/32	916-135-0	-	-	-	-	-	-
		Phillips No.0	2 3/4	916-136-0	-	-	-	-	-	-
		50	1 31/32	916-137-0	-	-	-	-	-	-
		70	2 3/4	916-138-0	-	-	-	-	-	-
D		Phillips No.0	1 37/64	916-530-0	40	1 37/64	916-550-0	40	1 37/64	916-560-0
		40	1 37/64	916-540-0						
E		23	1 37/64	916-500-0	23	29/32	916-510-0	23	29/32	916-520-0
		30	1 37/64	916-501-0	30	1 3/16	916-511-0	30	13/16	916-521-0

\* Bits are available in five different hardness to meet every application.

Suffix the code number of required bit with following identification letter : C (54-58HRC) is standard, A (46-50 HRC), B (50-54 HRC), D (58-62 HRC) and E (over 62 HRC)

\* Double ended Phillips No.3 Bits listed in B-2 can be used only with US-6series and UW-6series with special Driver Anvil for these models.

SLOTTED HEAD BITS & FINDERS

Group	Bit	Overall Length(L)		Code No.	FINDER	Overall Length(L)		Code No.	FINDER	Code No.
		mm	in			mm	in			
A		51	2 1/4	916-020-0		19	3/4	917-300-0		917-299-0
		75	2 61/64	916-021-0		43	1 11/16	917-301-0		
		100	3 15/16	916-022-0		68	2 43/64	917-302-0		
		150	5 29/32	916-023-0		118	4 41/64	917-304-0		
B		56	2 13/64	916-030-0		23	29/32	917-400-0		917-350-0
		75	2 61/64	916-031-0		42	1 21/32	917-401-0		
		100	3 15/16	916-032-0		67	2 41/64	917-402-0		
		150	5 29/32	916-033-0		117	4 39/64	917-403-0		
C		49.2	1 15/16	916-084-0		16	5/8	917-031-0	-	-

HEXAGONAL SOCKET BITS

Group	Hex. Socket Bit	Nominal Screw Size	Dimensions										Code No.	
			A		B		C		D		E			
			mm	in	mm	in	mm	in	mm	in	mm	in		
A		M3.5	10.0	25/64	100	3 15/16	3.0	1/8	6.0	16/64	30	1 13/16	918-104-0	
			11.0	7/16	100	3 15/16	3.0	1/8	7.0	9/32	30	1 13/16	918-107-0	
			11.0	7/16	100	3 15/16	3.5	9/64	7.5	19/64	30	1 13/16	918-108-0	
			12.0	15/32	100	3 15/16	4.0	5/32	8.0	5/16	30	1 13/16	918-109-0	
			12.0	15/32	100	3 15/16	4.0	5/32	9.0	23/64	30	1 13/16	918-111-0	
			13.0	33/64	100	3 15/16	4.5	11/64	9.5	3/8	30	1 13/16	918-112-0	
B		M3	9.5	3/8	100	3 15/16	3.0	1/8	5.5	7/32	30	1 13/16	918-202-0	
			10.0	25/64	100	3 15/16	3.0	1/8	6.0	15/64	30	1 13/16	918-205-0	
			11.0	7/16	100	3 15/16	3.2	1/8	7.0	9/32	30	1 13/16	918-206-0	
			12.0	15/32	100	3 15/16	4.5	11/64	8.0	5/16	30	1 13/16	918-208-0	
			12.0	15/32	100	3 15/16	4.5	11/64	9.0	23/64	27	1 1/16	918-212-0	
			13.0	33/64	100	3 15/16	4.5	11/64	10.0	25/64	27	1 1/16	918-216-0	
C		M6	15.0	19/32	100	3 15/16	5.5	7/32	11.0	7/16	27	1 1/16	918-220-0	
			M4	11.0	7/16	28	17/64	3.2	1/8	7.0	9/32	7	9/32	918-304-0
				12.0	15/32	28	17/64	4.5	11/64	8.0	5/16	7	5/16	918-305-0
15.0	19/32	31		17/32	5.5	7/32	10.0	25/64	10	25/64	918-307-0			