

INDUSTRIAL ASSEMBLY TOOLS

INDUSTRIAL AEROSPACE TOOLS



UNIVERSAL[®]
AIR TOOLS

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UT-Tools offers a wide selection of air tools for industrial and MRO applications. Our headquarter is in Jupiter, Florida and 65,000 square foot assembly and distribution facility is located in Jupiter, Florida and High Wycombe, United Kingdom. The Universal Industrial product offering is manufactured at our factories in Pennsylvania. Other products carrying the UT Industrial nameplate are manufactured at partner factories in Asia, where our concepts of quality and reliability are shared.





➤ *Air Impulse Tools*

- Pistol Type- SQ. Drive ■ Pistol Type- Bit Shank
- Straight Type- SQ. Drive ■ Straight Type- Bit Shank
- Angle Type- SQ. Drive ■ Angle Type- Bit Shank

TIGHTENING TORQUE (Nm)

This table shows the recommended tightening torque for common bolt size M2 to M48. According to ISO 898-1.

Bolt Size	Bolt Grade						Bolt Size	Bolt Grade					
	4.6	4.8	5.8	8.8	10.9	12.9		4.6	4.8	5.8	8.8	10.9	12.9
M2	0.13	0.17	0.22	0.35	0.49	0.58	M18	103	121	172	275	386	463
M3	0.46	0.61	0.77	1.20	1.70	2.10	M20	144	170	240	385	541	649
M4	1.10	1.40	1.80	2.90	4.00	4.90	M22	194	230	324	518	728	874
M5	2.20	2.95	3.60	5.70	8.10	9.70	M24	249	295	416	665	935	1120
M6	3.70	4.90	6.10	9.80	14.0	17.0	M27	360	435	600	961	1350	1620
M8	8.9	10.5	15	24	33	40	M30	492	590	819	1310	1840	2210
M10	17	21	29	47	65	79	M36	855	1030	1420	2280	3210	3850
M12	30	36	51	81	114	136	M42	1360		2270	3640	5110	6140
M14	48	58	80	128	181	217	M45	1690		2820	4510	6340	7610
M16	74	88	123	197	277	333	M48	2040		3400	5450	7660	9190

TORQUE RANGE REFERENCE

Torque is a very important reference value while choosing a right tool for tightening. Due to nut sizes, joint types, air pressure and working environment, the actual tightening torque may vary. The table below is only for a reference to choose the right tool. When the working torque is at the mean value of the torque range, the tool provides the best performance.

BOLT GRADE at 8.8

Pistol Type-SQ. Drive

UTI-30 UTIS-30
 UTI-30X UTIS-40
 UTI-40 UTIS-50
 UTI-40X UTIS-60
 UTI-50 UTIS-65
 UTI-50X UTIS-70X
 UTI-60 UTIS-70
 UTI-60X UTIS-80
 UTI-65 UTIS-80H
 UTI-70X UTIS-90
 UTI-70 UTIS-100
 UTI-80 UTIS-130
 UTI-80H UTIS-150
 UTI-90 UTIS-180
 UTI-100 UTIS-200
 UTI-130 UTPS-180
 UTI-150 UTIS-200
 UTI-180
 UTI-200

Pistol Type-Bit Shank

UTI-30D - UTI-30DX UTIS-30D
 UTI-40D - UTI-40DX UTIS-40D
 UTI-50D - UTI-50DX UTIS-50D
 UTI-60D - UTI-60DX UTIS-60D
 UTI-65D UTIS-65D
 UTI-70D UTIS-70D
 UTI-70DX UTIS-70DX

Straight Type-SQ. Drive

UTI-30S UTIS-30S
 UTI-40S UTIS-40S
 UTI-50S UTIS-50S
 UTI-60S UTIS-60S
 UTI-70S UTIS-70S
 UTI-80S UTIS-80S
 UTI-80SH UTIS-80SH

Straight Type-Bit Shank

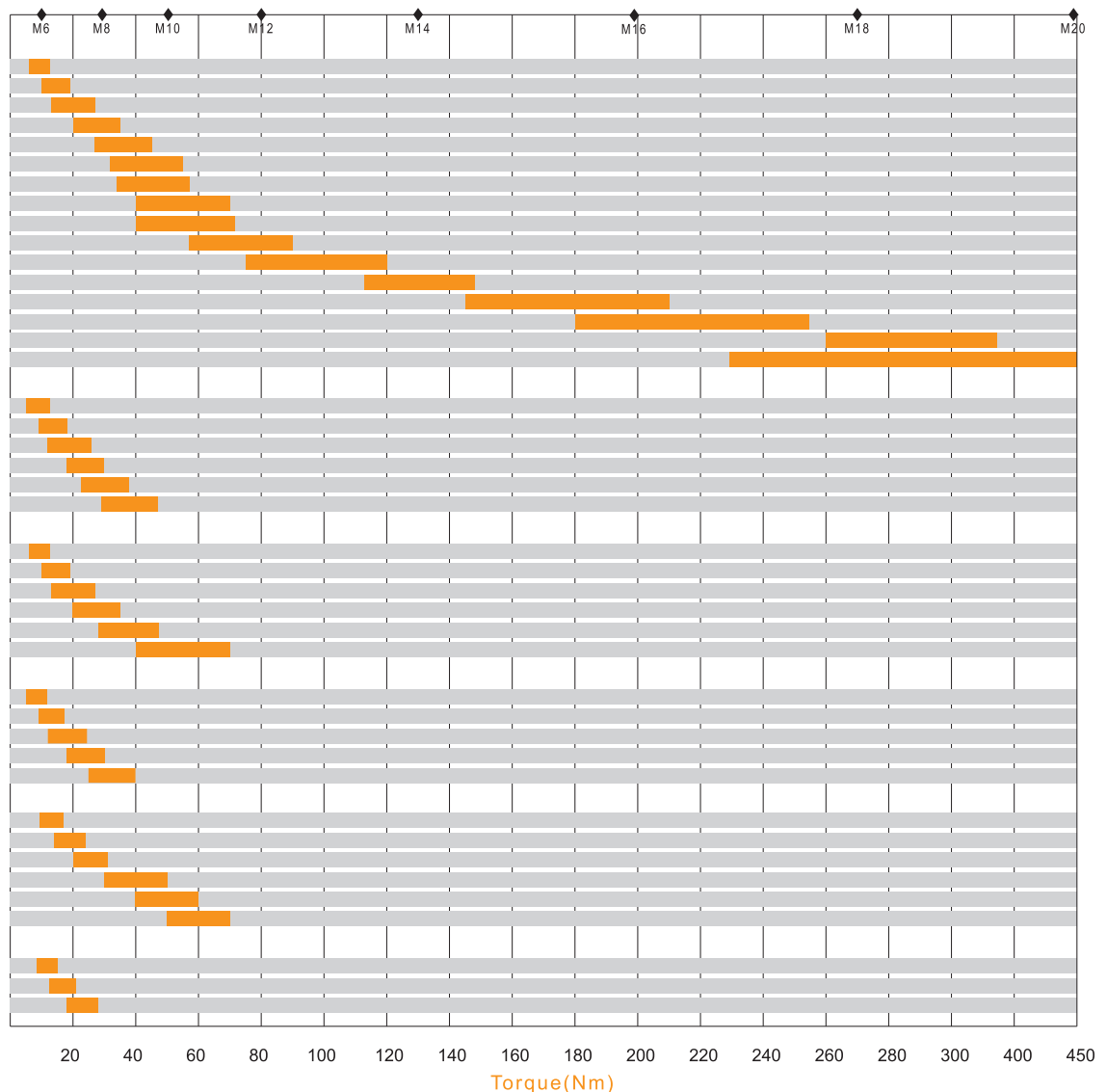
UTI-30SD UTIS-30SD
 UTI-40SD UTIS-40SD
 UTI-50SD UTIS-50SD
 UTI-60SD UTIS-60SD
 UTI-70SD UTIS-70SD

Angle Type-SQ. Drive

UTI-50R UTIS-50R
 UTI-60R UTIS-60R
 UTI-70R UTIS-70R
 UTI-70RG UTIS-70RG
 UTI-70RH UTIS-70RH
 UTI-80RH UTIS-80RH

Angle Type-Bit Shank

UTI-50RD UTIS-50RD
 UTI-60RD UTIS-60RD
 UTI-70RD UTIS-70RD

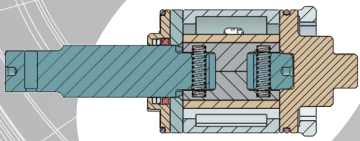


■ Highlights

Air Impulse Tools



Twin Drive Blades reduce noise and vibration and increase impulse frequency

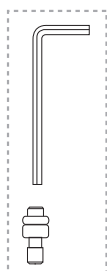
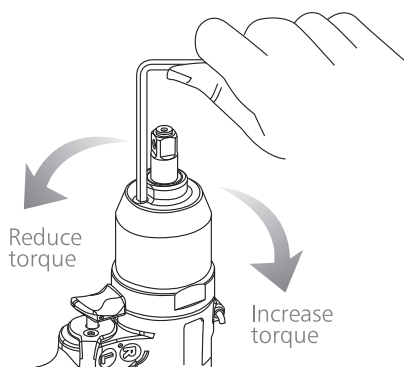


X-Shape Sealing improves better repeatability



One hand reverse operation for Right or Left handed operators

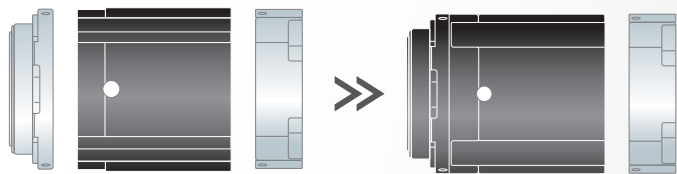
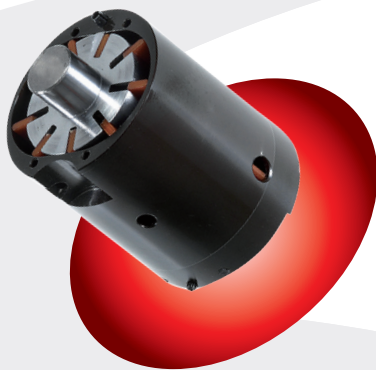
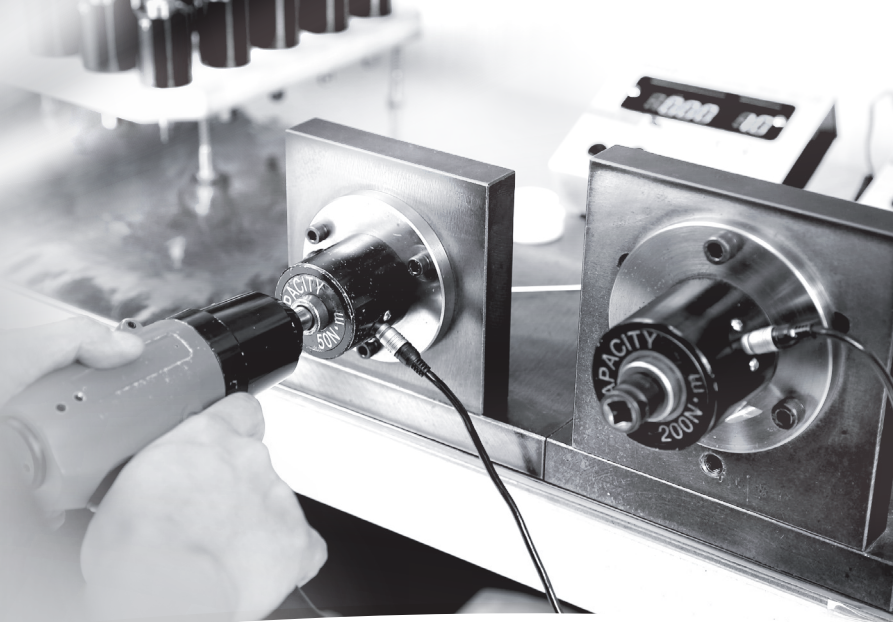
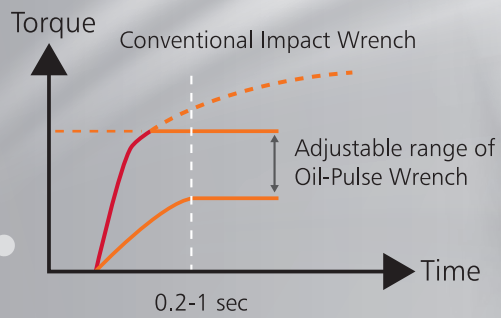
Easy Torque Adjustment



The desired torque can be easily adjusted by turning the adjusting screw through the hole on the pulse unit housing.

360° revolving low noise exhaust device

Handle Rubber Injection: designed ergonomically for operation comfortable



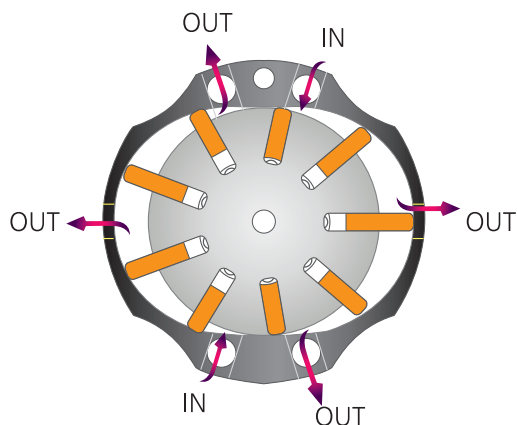
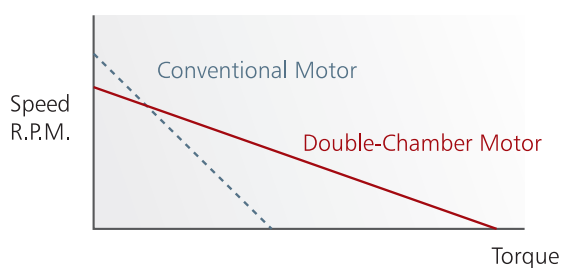
Conventional

New Design

Unibodied Front End Plate & Cylinder advance the Motor Efficiency

Double-Chamber Motor

A smart design of a dual air motor for impulse wrenches. The double chamber air motor reaches the required torque quickly that increases work efficiency.



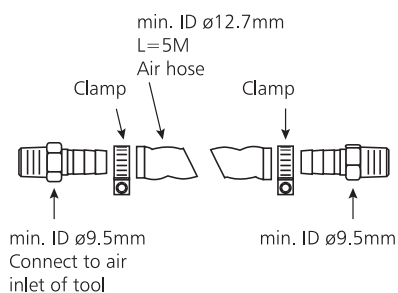
Pistol Type- SQ. Drive

-3/4" Impulse Wrenches-

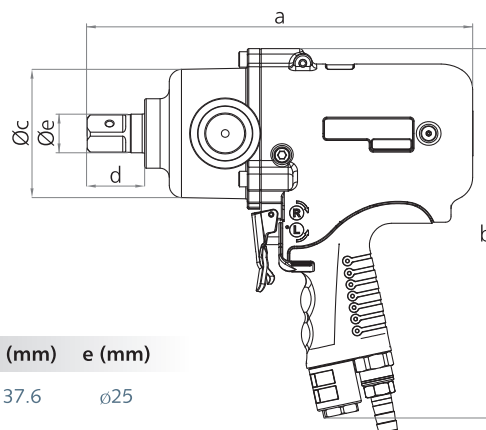
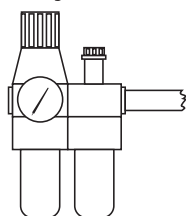


Light Weight:
4.25 kgs
Max. Torque:
450 Nm

UTI-200
UTIS-200



Filtered and regulated air for enough air flow of 22 l/s



Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-200	250.1	239.3	$\varnothing$ 83	37.6	$\varnothing$ 25

Non shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTI-200	19(3/4")	M18-M20	260-385(191-283)	2800	3000	4.2	250.1	88	1.38	48.78	12.7

Air Inlet size : 3/8"(9.5mm)

Recommended Air Pressure: 70-85 PSI(5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

To be sure that the hose size and the nipple are used as recommended, or the tool performance would not be as expected.

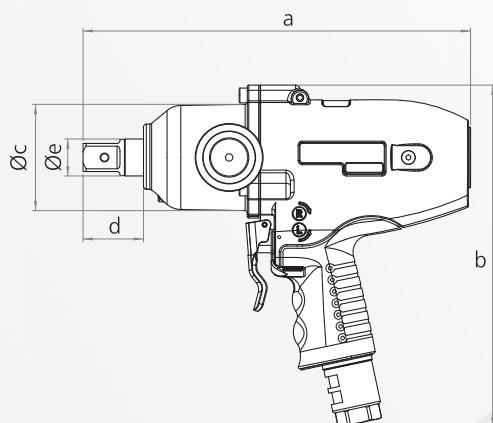
Auto shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 6-7kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	6kg/cm ²	7kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTIS-200	19(3/4")	M18-M20	230-450(170-332)	3000	3100	4.25	250.1	88	1.38	48.78	12.7

Air Inlet size : 3/8"(9.5mm)

Recommended Air Pressure: 85-100 PSI(6kg/cm²~7kg/cm²) / 0.6MPa~0.7MPa

To be sure that the hose size and the nipple are used as recommended, or the tool performance would not be as expected.



UTI-130
UTIS-130



UTI-150
UTIS-150



UTI-180
UTIS-180

Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-130	216	204	ø64	31	ø16
UTI(S)-150	239	215	ø72	40	ø25
UTI(S)-180	264	232	ø78	41	ø25

Non shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTI-130	12.7(1/2")	M14-M16	113-148(83.2-109)	3300	3600	2.22	216	86	0.73	25.6	11
UTI-150	19(3/4")	M16	145-210(106.8-154.6)	3500	3700	3.05	239	86	0.73	25.6	11
UTI-180	19(3/4")	M16-M18	180-255(132-188)	2500	2700	3.8	264	86	0.73	25.6	11

Auto shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTIS-130	12.7(1/2")	M14-M16	113-148(83.2-109)	3300	3600	2.26	216	86	0.73	25.6	11
UTIS-150	19(3/4")	M16	145-210(106.8-154.6)	3500	3700	3.10	239	86	0.73	25.6	11
UTIS-180	19(3/4")	M16-M18	180-255(132-188)	2500	2700	3.9	264	86	0.73	25.6	11

Air Inlet :UTI(S)-30~150 : 1/4" UTI(S)-180 : 3/8"

Recommended Air Pressure : 70~85 PSI(5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Pistol Type- SQ. Drive

-Air Impulse Tools-

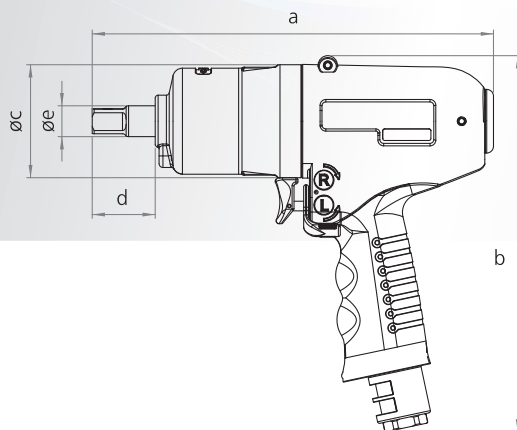


UTI-90
UTIS-90



UTI-80(H)
UTIS-80(H)

UTI-100
UTIS-100



Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-80	194	170	ø47	25	ø12
UTI(S)-80H	200	170	ø47	31	ø16
UTI(S)-90	200	192	ø53.5	31	ø16
UTI(S)-100	209	195	ø59	32	ø16

Non shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)			5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTI-80	9.5(3/8")	M10-M12	40-70(29.5-51.5)	4800	5100	1.19	194	82	0.5	17.6	8
UTI-80H	12.7(1/2")	M10-M12	40-70(29.5-51.5)	4800	5100	1.25	200	82	0.5	17.6	8
UTI-90	12.7(1/2")	M12	57-90(42-66.3)	5000	5400	1.53	200	83	0.53	18.7	8
UTI-100	12.7(1/2")	M12-M14	75-120(55.2-88.4)	5000	5300	1.85	209	84	0.53	19.4	8

Auto shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)			5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTIS-80	9.5(3/8")	M10-M12	40-68(29.5-50.1)	4800	5100	1.21	194	82	0.5	17.6	8
UTIS-80H	12.7(1/2")	M10-M12	40-70(29.5-51.5)	4800	5100	1.27	200	82	0.5	17.6	8
UTIS-90	12.7(1/2")	M12	57-90(42-66.3)	5000	5400	1.55	200	83	0.53	18.7	8
UTIS-100	12.7(1/2")	M12-M14	75-120(55.2-88.4)	5000	5300	1.87	209	84	0.53	19.4	8

Air Inlet : UTI(S)-30~150 : 1/4" UTI(S)-180 : 3/8"

Recommended Air Pressure : 70~85 PSI (5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Non shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTI-65	9.5(3/8")	M10	27-45(19.8-33.1)	4500	4800	1.05	189	82	0.43	15.2	8
UTI-70X	9.5(3/8")	M10-M12	32-55(23.5-40.5)	5200	5400	1.05	189	82	0.45	15.9	8
UTI-70	9.5(3/8")	M10-M12	34-57(25-42)	6900	7200	1.33	194	82	0.45	15.9	8

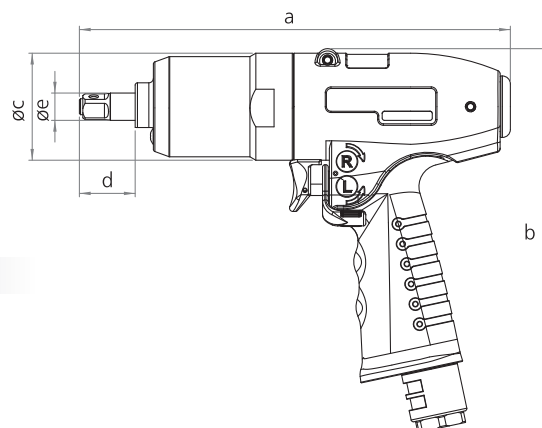
Auto shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTIS-65	9.5(3/8")	M10	27-45(19.8-33.1)	4500	4800	1.08	189	82	0.43	15.2	8
UTIS-70X	9.5(3/8")	M10-M12	32-55(23.5-40.5)	5200	5400	1.08	189	82	0.45	15.9	8
UTIS-70	9.5(3/8")	M10-M12	34-57(25-42)	6900	7200	1.35	194	82	0.45	15.9	8

Air Inlet : UTI(S)-30~150 : 1/4" UTI(S)-180 : 3/8"

Recommended Air Pressure : 70~85PSI(5kg/cm²~6kg/cm²) / 0.5MPa~ 0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

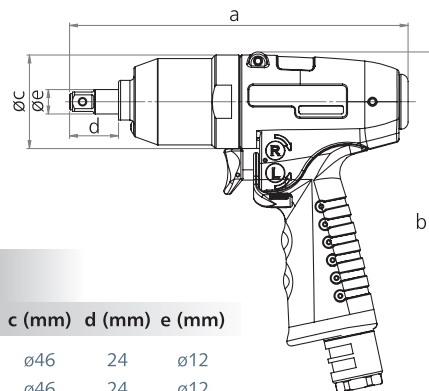


Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-65	189	170	ø47	25	ø12
UTI(S)-70X	189	170	ø47	25	ø12
UTI(S)-70	194	192	ø53.5	25	ø12

Pistol Type- SQ. Drive

-Air Impulse Tools-



Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-30	167	168	ø46	24	ø12
UTI(S)-40	167	168	ø46	24	ø12
UTI(S)-50	167	168	ø46	24	ø12
UTI(S)-60	178	168	ø46	24	ø12

Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI-30X	136	168	ø46	24	ø12
UTI-40X	136	168	ø46	24	ø12
UTI-50X	136	168	ø46	24	ø12
UTI-60X	147	168	ø46	24	ø12



UTI-30 · 40
UTIS-30 · 40



UTI-50
UTIS-50



UTI-30X
UTI-40X
UTI-50X
UTI-60X

UTI-60
UTIS-60

Non shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)			5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTI-30	9.5(3/8")	M6	6.5-13(4.8-9.6)	4300	4600	0.87	167	78	0.25	8.8	6.5
UTI-30X	9.5(3/8")	M6	6.5-13(4.8-9.6)	4300	4600	0.72	136	78	0.25	8.8	6.5
UTI-40	9.5(3/8")	M6-M8	10-19(7.4-14)	4300	4600	0.9	167	78	0.25	8.8	6.5
UTI-40X	9.5(3/8")	M6-M8	10-19(7.4-14)	4300	4600	0.74	136	78	0.25	8.8	6.5
UTI-50	9.5(3/8")	M8	14-28(10.4-20.7)	6800	7200	0.9	167	80	0.35	12.3	6.5
UTI-50X	9.5(3/8")	M8	14-28(10.4-20.7)	6800	7200	0.74	136	80	0.35	12.3	6.5
UTI-60	9.5(3/8")	M8-M10	20-35(14.7-25.8)	5900	6200	0.97	178	82	0.4	14.1	8
UTI-60X	9.5(3/8")	M8-M10	20-35(14.7-25.8)	5900	6200	0.8	147	82	0.4	14.1	8

Auto shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)			5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTIS-30	9.5(3/8")	M6	6.5-13(4.8-9.6)	4300	4600	0.89	167	78	0.25	8.8	6.5
UTIS-40	9.5(3/8")	M6-M8	10-19(7.4-14)	4300	4600	0.92	167	78	0.25	8.8	6.5
UTIS-50	9.5(3/8")	M8	14-28(10.4-20.7)	6800	7200	0.92	167	80	0.35	12.3	6.5
UTIS-60	9.5(3/8")	M8-M10	20-35(14.7-25.8)	5900	6200	1.0	178	82	0.4	14.1	8

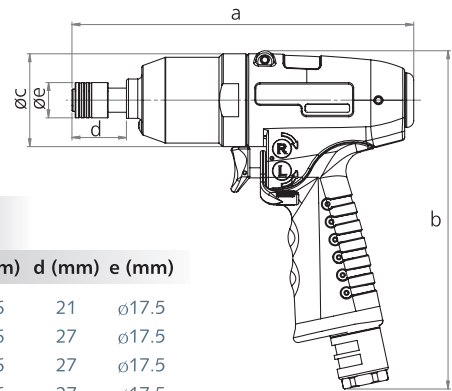
Air Inlet : UTI(S)-30~150 : 1/4" UTI(S)-180 : 3/8"

Recommended Air Pressure : 70~85 PSI(5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Pistol Type- Bit Shank

-Air Impulse Tools-



Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-30D	163	168	ø46	21	ø17.5
UTI(S)-40D	170	168	ø46	27	ø17.5
UTI(S)-50D	170	168	ø46	27	ø17.5
UTI(S)-60D	181	168	ø46	27	ø17.5
UTI(S)-65D	192	170	ø47	28	ø19
UTI(S)-70D	197	192	ø53.5	28	ø19

Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI-30DX	133	168	ø46	21	ø17.5
UTI-40DX	139	168	ø46	27	ø17.5
UTI-50DX	139	168	ø46	27	ø17.5
UTI-60DX	150	168	ø46	27	ø17.5
UTI-70DX	192	170	ø47	28	ø19
UTIS-70DX	192	170	ø47	28	ø19



UTI-30D·40D
UTIS-30D·40D



UTI-50D·60D
UTIS-50D·60D



UTI-30DX
UTI-40DX
UTI-50DX
UTI-60DX

UTI-65D
UTIS-65D
UTI-70DX
UTIS-70DX

Non shut-off

Model	Hex Size	Bolt Capacity	Torque Range 5-6kg/cm ²	Bit Shank	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	mm	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTI-30D	6.35(1/4")	M6	5.5-13(4.1-9.6)	9	4300	4600	0.87	163	78	0.25	8.8	6.5
UTI-30DX	6.35(1/4")	M6	5.5-13(4.1-9.6)	9	4300	4600	0.72	133	78	0.25	8.8	6.5
UTI-40D	6.35(1/4")	M6-M8	9-18(6.6-13.3)	9	4300	4600	0.9	170	78	0.25	8.8	6.5
UTI-40DX	6.35(1/4")	M6-M8	9-18(6.6-13.3)	9	4300	4600	0.74	139	78	0.25	8.8	6.5
UTI-50D	6.35(1/4")	M8	13-26(9.6-19.2)	9	6800	7200	0.9	170	80	0.35	12.3	6.5
UTI-50DX	6.35(1/4")	M8	13-26(9.6-19.2)	9	6800	7200	0.74	139	80	0.35	12.3	6.5
UTI-60D	6.35(1/4")	M8	18-30(13.3-22.1)	9	5900	6200	0.97	181	82	0.4	14.1	8
UTI-60DX	6.35(1/4")	M8	18-30(13.3-22.1)	9	5900	6200	0.8	150	82	0.4	14.1	8
UTI-65D	6.35(1/4")	M8-M10	23-38(16.9-28)	9	4500	4800	1.05	192	82	0.43	15.2	8
UTI-70D	6.35(1/4")	M10	29-47(21.4-34.6)	9	6900	7200	1.33	197	82	0.45	15.9	8
UTI-70DX	6.35(1/4")	M8-M10	26-44(19.1-32.4)	9	5200	5400	1.05	192	82	0.43	15.2	8

Auto shut-off

Model	Hex Size	Bolt Capacity	Torque Range 5-6kg/cm ²	Bit Shank	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	mm	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTIS-30D	6.35(1/4")	M6	5.5-13(4.1-9.6)	9	4300	4600	0.89	163	78	0.25	8.8	6.5
UTIS-40D	6.35(1/4")	M6-M8	9-18(6.6-13.3)	9	4300	4600	0.92	170	78	0.25	8.8	6.5
UTIS-50D	6.35(1/4")	M8	13-26(9.6-19.2)	9	6800	7200	0.92	170	80	0.35	12.3	6.5
UTIS-60D	6.35(1/4")	M8	18-30(13.3-22.1)	9	5900	6200	1.0	181	82	0.4	14.1	8
UTIS-65D	6.35(1/4")	M8-M10	23-38(16.9-28)	9	4500	4800	1.08	192	82	0.43	15.2	8
UTIS-70D	6.35(1/4")	M10	29-47(21.4-34.6)	9	6900	7200	1.35	197	82	0.45	15.9	8
UTIS-70DX	6.35(1/4")	M8-M10	26-44(19.1-32.4)	9	5200	5400	1.08	192	82	0.43	15.2	8

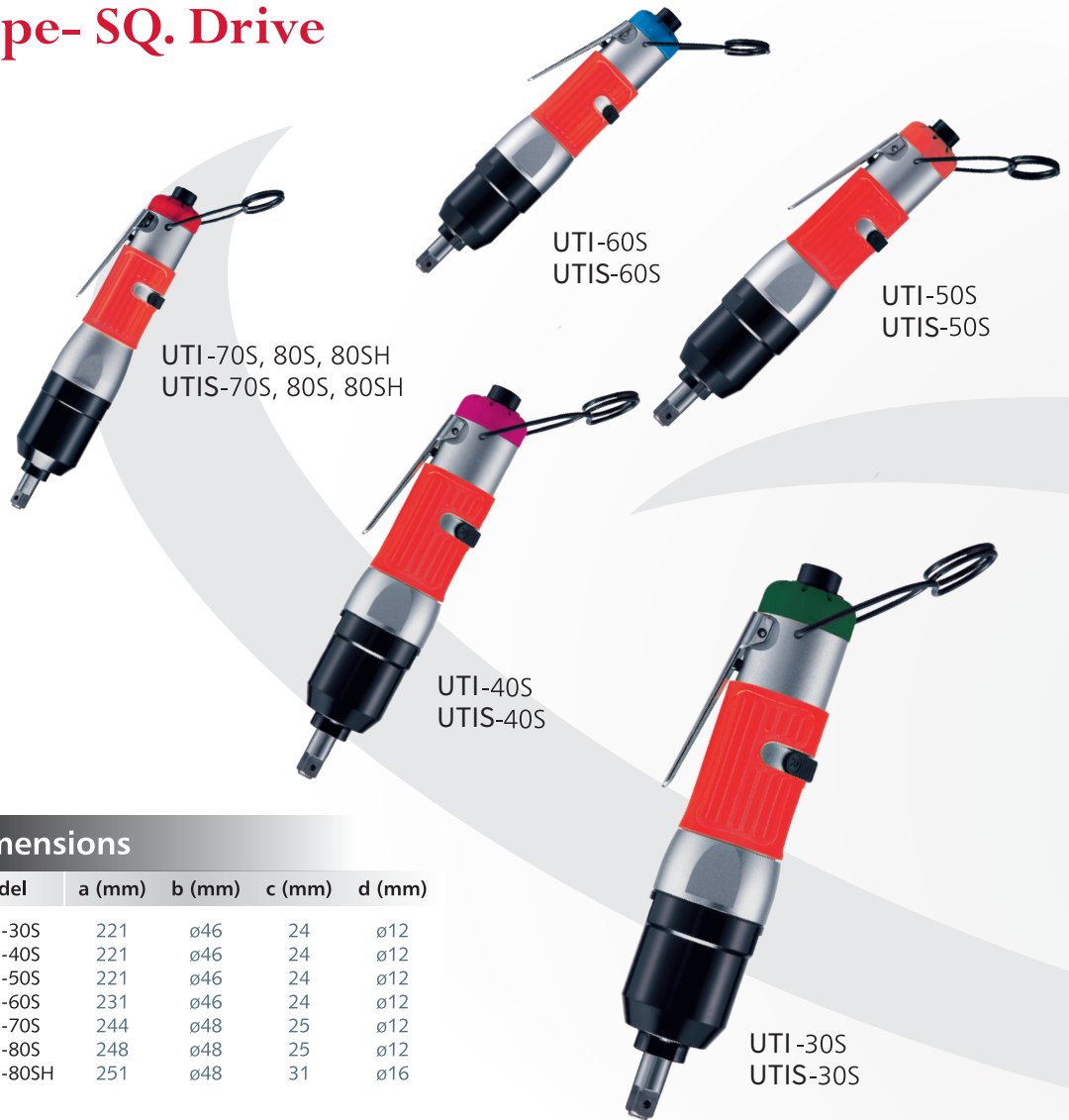
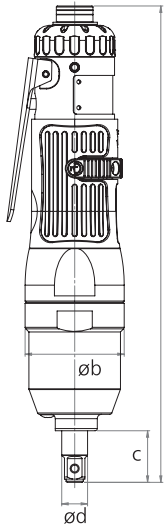
Air Inlet : UTI(S)-30~150 : 1/4" UTI(S)-180 : 3/8"

Recommended Air Pressure : 70~85 PSI(5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Straight Type- SQ. Drive

-Air Impulse Tools-



Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)
UTI(S)-30S	221	ø46	24	ø12
UTI(S)-40S	221	ø46	24	ø12
UTI(S)-50S	221	ø46	24	ø12
UTI(S)-60S	231	ø46	24	ø12
UTI(S)-70S	244	ø48	25	ø12
UTI(S)-80S	248	ø48	25	ø12
UTI(S)-80SH	251	ø48	31	ø16

Non shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)			5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTI-30S	9.5(3/8")	M6	6.5-13(4.8-9.6)	3900	4200	0.8	221	78	0.25	8.8	6.5
UTI-40S	9.5(3/8")	M6-M8	10-19(7.4-14)	3900	4200	0.8	221	78	0.25	8.8	6.5
UTI-50S	9.5(3/8")	M8	14-28(10.4-20.7)	6500	6800	0.8	221	80	0.35	12.3	6.5
UTI-60S	9.5(3/8")	M8-M10	20-35(14.7-25.8)	5700	6000	0.86	231	80	0.4	14.1	8
UTI-70S	9.5(3/8")	M10	28-47(20.6-34.6)	4700	5000	0.97	244	80	0.4	14.1	8
UTI-80S	9.5(3/8")	M10-M12	40-70(29.5-51.5)	5800	6100	1.15	248	82	0.5	17.6	8
UTI-80SH	12.7(1/2")	M10-M12	40-70(29.5-51.5)	5800	6100	1.21	251	82	0.5	17.6	8

Auto shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)			5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTIS-30S	9.5(3/8")	M6	6.5-13(4.8-9.6)	3900	4200	0.8	221	78	0.25	8.8	6.5
UTIS-40S	9.5(3/8")	M6-M8	10-19(7.4-14)	3900	4200	0.8	221	78	0.25	8.8	6.5
UTIS-50S	9.5(3/8")	M8	14-28(10.4-20.7)	6500	6800	0.8	221	80	0.35	12.3	6.5
UTIS-60S	9.5(3/8")	M8-M10	20-35(14.7-25.8)	5700	6000	0.86	231	80	0.4	14.1	8
UTIS-70S	9.5(3/8")	M10	28-47(20.6-34.6)	4700	5000	0.97	244	80	0.4	14.1	8
UTIS-80S	9.5(3/8")	M10-M12	40-68(29.5-50.1)	5800	6100	1.15	248	82	0.5	17.6	8
UTIS-80SH	12.7(1/2")	M10-M12	40-70(29.5-51.5)	5800	6100	1.21	251	82	0.5	17.6	8

Air Inlet :UTI(S)-30~150:1/4" UTI(S)-180:3/8"

Recommended Air Pressure : 70~85 PSI (5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Straight Type- Bit Shank

-Air Impulse Tools-

UTI-70SD
UTIS-70SD

UTI-60SD
UTIS-60SD

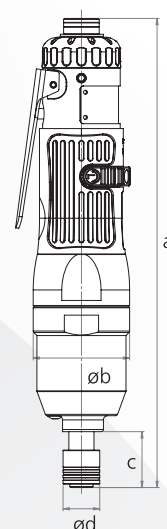
UTI-30SD
UTIS-30SD

UTI-40SD
UTIS-40SD

UTI-50SD
UTIS-50SD

Dimensions

Model	a (mm)	b (mm)	c (mm)	d (mm)
UTI(S)-30SD	219	ø46	21	ø17.5
UTI(S)-40SD	224	ø46	27	ø17.5
UTI(S)-50SD	224	ø46	27	ø17.5
UTI(S)-60SD	235	ø46	27	ø17.5
UTI(S)-70SD	247	ø48	28	ø19



Non shut-off

Model	Hex Size	Bolt Capacity	Torque Range 5-6kg/cm ²	Bit Shank	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)				5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTI-30SD	6.35(1/4")	M6	5.5-12(4.1-8.9)	9	3900	4200	0.77	219	78	0.25	8.8	6.5
UTI-40SD	6.35(1/4")	M6-M8	9-17(6.6-12.5)	9	3900	4200	0.8	224	78	0.25	8.8	6.5
UTI-50SD	6.35(1/4")	M8	13-26(9.6-19.2)	9	6500	6800	0.8	224	80	0.35	12.3	6.5
UTI-60SD	6.35(1/4")	M8	18-30(13.3-22.1)	9	5700	6000	0.86	235	80	0.4	14.1	8
UTI-70SD	6.35(1/4")	M8-M10	25-40(18.4-29.4)	9	4700	5000	0.97	247	80	0.4	14.1	8

Auto shut-off

Model	Hex Size	Bolt Capacity	Torque Range 5-6kg/cm ²	Bit Shank	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)				5kg/cm ²	6kg/cm ²				m ³ /min	ft ³ /min	
UTIS-30SD	6.35(1/4")	M6	5.5-12(4.1-8.9)	9	3900	4200	0.77	219	78	0.25	8.8	6.5
UTIS-40SD	6.35(1/4")	M6-M8	9-17(6.6-12.5)	9	3900	4200	0.8	224	78	0.25	8.8	6.5
UTIS-50SD	6.35(1/4")	M8	13-26(9.6-19.2)	9	6500	6800	0.8	224	80	0.35	12.3	6.5
UTIS-60SD	6.35(1/4")	M8	18-30(13.3-22.1)	9	5700	6000	0.86	235	80	0.4	14.1	8
UTIS-70SD	6.35(1/4")	M8-M10	25-40(18.4-29.4)	9	4700	5000	0.97	247	80	0.4	14.1	8

Air Inlet : UTI(S)-30~150: 1/4" UTI(S)-180: 3/8"

Recommended Air Pressure : 70~85 PSI(5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

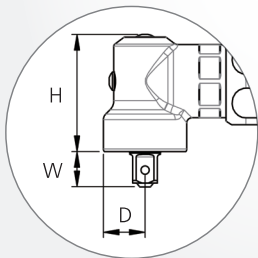
Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Non shut-off

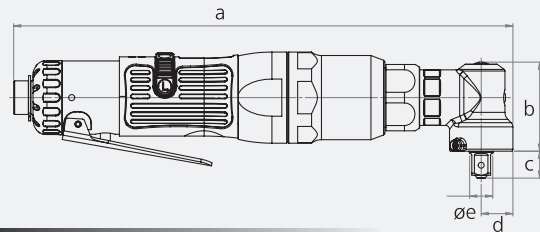
Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTI-50R	9.5(3/8")	M6-M8	9.5-17(7-12.5)	4000	4300	1.2	253	80	0.32	11.3	6.5
UTI-60R	9.5(3/8")	M8	14-24(10.3-17.7)	4400	4700	1.3	264	80	0.4	14.1	8
UTI-70R	9.5(3/8")	M8-M10	20-31(14.7-22.8)	4200	4500	1.4	272	80	0.4	14.1	8
UTI-70RG	9.5(3/8")	M10	30-50(22.1-36.8)	1800	2000	1.6	281	82	0.4	14.1	8
UTI-70RH	12.7(1/2")	M10-M12	40-60(29.5-44.2)	2000	2200	1.6	281	82	0.4	14.1	8
UTI-80RH	12.7(1/2")	M10-M12	50-70(36.8-51.5)	2600	2800	1.7	281	82	0.45	15.9	8

Angle Type- SQ. Drive

-Air Impulse Tools-



UTI-70RG • 70RH • 80RH
UTIS-70RG • 70RH • 80RH



Dimensions

Model	H (mm)	W (mm)	D (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-50R	45	14	16	253	45	14	16	ø12
UTI(S)-60R	45	14	16	264	45	14	16	ø12
UTI(S)-70R	47	18.5	21	272	45	14	16	ø12
UTI(S)-70RG	47	22.5	21	281	47	18.5	21	ø17
UTI(S)-70RH				281	47	22.5	21	ø17
UTI(S)-80RH				281	47	22.5	21	ø17

Auto shut-off

Model	SQ Drive	Bolt Capacity	Torque Range 5-6kg/cm ²	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTIS-50R	9.5(3/8")	M6-M8	9.5-17(7-12.5)	4000	4300	1.2	253	80	0.32	11.3	6.5
UTIS-60R	9.5(3/8")	M8	14-24(10.3-17.7)	4400	4700	1.3	264	80	0.4	14.1	8
UTIS-70R	9.5(3/8")	M8-M10	20-31(14.7-22.8)	4200	4500	1.4	272	80	0.4	14.1	8
UTIS-70RG	9.5(3/8")	M10	30-50(22.1-36.8)	1800	2000	1.6	281	82	0.4	14.1	8
UTIS-70RH	12.7(1/2")	M10-M12	40-60(29.5-44.2)	2000	2200	1.6	281	82	0.4	14.1	8
UTIS-80RH	12.7(1/2")	M10-M12	50-70(36.8-51.5)	2600	2800	1.7	281	82	0.45	15.9	8

Air Inlet : UTI(S)-30~150:1/4" UTI(S)-180:3/8"

Recommended Air Pressure : 70~85 PSI (5 kg/cm²~6 kg/cm²) / 0.5MPa~0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Angle Type- Bit Shank

-Air Impulse Tools-



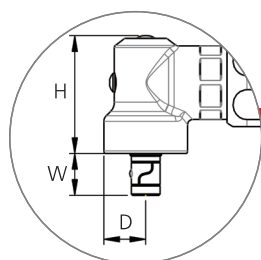
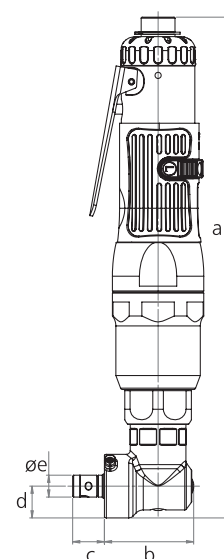
UTI-70RD
UTIS-70RD



UTI-60RD
UTIS-60RD



UTI-50RD
UTIS-50RD



Dimensions

Model	H (mm)	W (mm)	D (mm)
UTI(S)-50RD	45	16	16
UTI(S)-60RD	45	16	16
UTI(S)-70RD	45	16	16

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
UTI(S)-50RD	253	45	16	16	ø11
UTI(S)-60RD	264	45	16	16	ø11
UTI(S)-70RD	272	45	16	16	ø11

Non shut-off

Model	Hex Size	Bolt Capacity	Torque Range 5-6kg/cm ²	Bit Shank	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	mm	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTI-50RD	6.35(1/4")	M6-M8	8.5-16(6.3-11.8)	9	4000	4300	1.2	253	80	0.32	11.3	6.5
UTI-60RD	6.35(1/4")	M8	12.5-22(9.2-16.2)	9	4400	4700	1.3	264	80	0.4	14.1	8
UTI-70RD	6.35(1/4")	M8	18-29(13.3-21.4)	9	4200	4500	1.4	272	80	0.4	14.1	8

Auto shut-off

Model	Hex Size	Bolt Capacity	Torque Range 5-6kg/cm ²	Bit Shank	Free Speed		Weight	Length	Noise Level	Average Air Consumption		Hose Size
	mm(inch)	mm	Nm (ft-lb)	mm	5kg/cm ²	6kg/cm ²	kg	mm	dB(A)	m ³ /min	ft ³ /min	mm
UTIS-50RD	6.35(1/4")	M6-M8	8.5-16(6.3-11.8)	9	4000	4300	1.2	253	80	0.32	11.3	6.5
UTIS-60RD	6.35(1/4")	M8	12.5-22(9.2-16.2)	9	4400	4700	1.3	264	80	0.4	14.1	8
UTIS-70RD	6.35(1/4")	M8	18-29(13.3-21.4)	9	4200	4500	1.4	272	80	0.4	14.1	8

Air Inlet : UTI(S)-30~150: 1/4" UTI(S)-180: 3/8"

Recommended Air Pressure : 70~85 PSI(5kg/cm²~6kg/cm²) / 0.5MPa~0.6MPa

Air Hose Size : 10mm×6.5mm×5m for TDI(S)-30~50 12mm×8mm×5m for TDI(S)-60~100 16mm×11mm×5m for TDI(S)-130~180

Industrial Air Screwdrivers

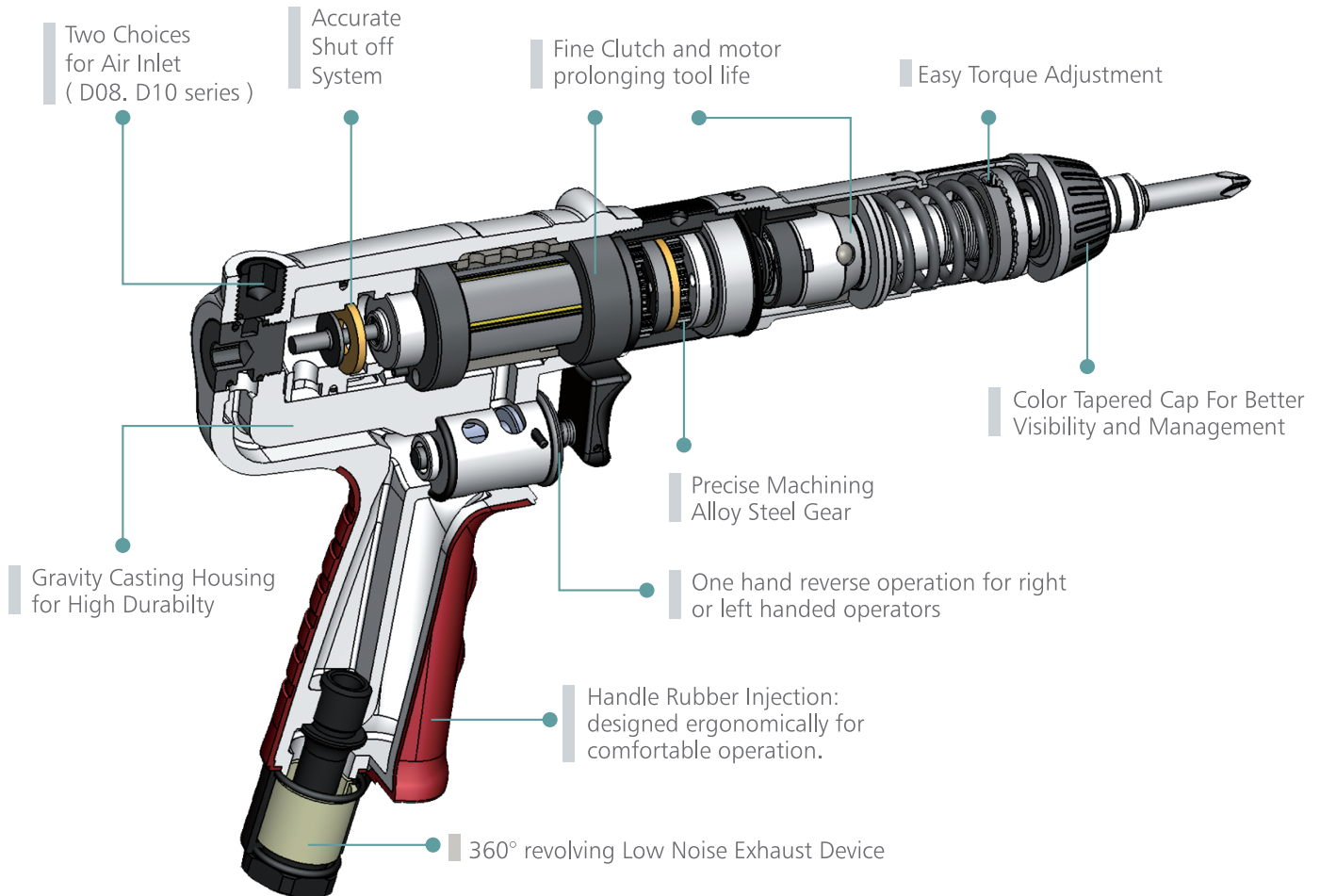


TDCS-D Series

Shut-off Clutch Screwdrivers

■ Pistol Type ■ Angle Type ■ Straight

Highlights



Torque Conversion

Nm	kg-cm	in-lbs	Nm	kg-cm	in-lbs	Nm	kg-cm	in-lbs
0.1	1.02	0.89	1.3	13.26	11.51	7	71.38	61.95
0.2	2.04	1.77	1.4	14.28	12.39	8	81.58	70.81
0.3	3.06	2.66	1.5	15.30	13.28	9	91.77	79.66
0.4	4.08	3.54	1.6	16.32	14.16	10	101.97	88.51
0.5	5.10	4.43	1.7	17.34	15.05	11	112.17	97.36
0.6	6.12	5.31	1.8	18.35	15.93	12	122.37	106.21
0.7	7.14	6.20	1.9	19.37	16.82	13	132.56	115.06
0.8	8.16	7.08	2	20.39	17.70	14	142.76	123.91
0.9	9.18	7.97	3	30.59	26.55	15	152.96	132.76
1	10.20	8.85	4	40.79	35.40	16	163.16	141.61
1.1	11.22	9.74	5	50.99	44.25	17	173.35	150.46
1.2	12.24	10.6	6	61.18	53.10	18	183.55	159.31

Pistol Type

-Industrial Air Screwdrivers-



3 air inlets for versatile access

- ** Accurate clutch system with 3% deviation of torque, assure the best quality
- ** Wide torque range and longer life cycle of motor
- ** Low noise, low vibration and high accuracy
- ** One-handed operation (turn & change the rotary direction)
- ** With ergonomic grip handle for comfort & easy to grip
- ** Can quickly change the bit by push the bit head
- ** With unique color torque system (for easy visible torque marking at a glance)
- ** With torque fix system for easy to mark the torque through the window
- ** With 3 air inlets for versatile access
- ** With progressive trigger

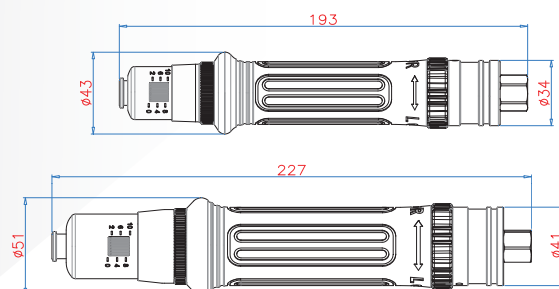
SPECIFICATIONS

Model No.	Free Speed	Torque Range	Weight	Length	Air Hose ID	Air Consumption	Noise	Standard Deviation	Fastening Capacity	
	RPM	Nm	KG	MM	MM	M ³ /min	dBA	%	Machine Screw Dia.	Tapping Screw Dia.
UT8940	1000	0.1-0.8	0.76	192	6	0.28	72	±3	M1.7-M3.3	M1.3-M2.7
UT8945	2000	0.3-1.7	0.76	192	6	0.28	72	±3	M2.2-M4.2	M1.7-M3.2
UT8946	2200	0.3-2.5	0.76	192	6	0.28	72	±3	M2.2-M4.7	M1.7-M3.8
UT8947	1700	0.3-2.5	0.76	192	6	0.28	72	±3	M2.2-M4.7	M1.7-M3.8
UT8948	900	0.5-3.0	0.76	192	6	0.28	72	±3	M2.8-M5.0	M2.2-M4.0
UT8941	700	0.5-4.0	0.76	192	6	0.28	72	±3	M3.3-M5.7	M2.7-M4.4
UT8949	1800	0.5-4.5	1.11	227	8	0.55	72	±3	M2.8-M5.8	M2.2-M4.7
UT8950	1500	0.7-5.0	1.11	227	8	0.55	72	±3	M2.9-M6.0	M2.6-M4.9
UT8942	900	0.7-6.5	1.11	227	8	0.55	72	±3	M2.9-M6.4	M2.6-M5.4
UT8960A	550	1.5-10	1.11	227	8	0.55	72	±3	M4.1-M7.0	M3.1-M6.0
UT8943	300	3.0-18	1.45	231	8	0.55	72	±3	M5.0-M9.3	M3.3-M7.2
UT8944	250	5.0~28	1.45	231	8	0.55	72	±3	M6.0-M11.0	M4.9-M8.7

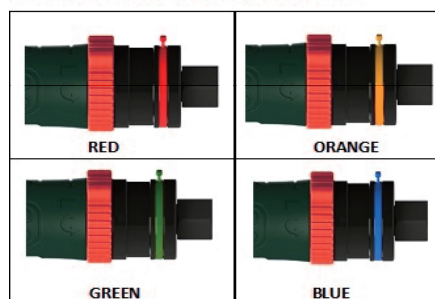
*** Air Pressure: 90 PSI (6.35 KG/CM²)

Straight

-Industrial Air Screwdrivers-



UNIQUE COLOR TORQUE SYSTEM



- ** Accurate clutch system with 3% deviation of torque, assure the best quality
- ** Wide torque range and longer life cycle of motor
- ** Low noise, low vibration and high accuracy
- ** One-handed operation (turn & change the rotary direction)
- ** With ergonomic grip handle for comfort & easy to grip
- ** Can quickly change the bit by push the bit head
- ** With unique color torque system (for easy visible torque marking at a glance)
- ** With torque fix system for easy to mark the torque through the window

SPECIFICATIONS

Model No.	Free Speed	Torque range	Weight	Length	Dia.	Air Hose ID	Air Consumption	Noise	Standard Deviation	Fastening Capacity	
	RPM	Nm	KG	MM	MM	MM	M ³ /min	dBA	%	Machine Screw Dia.	Tapping Screw Dia.
UT8935	1000	0.1-0.8	0.52	193	33	6	0.28	72	±3	M1.7-M3.3	M1.3-M2.7
UT8936	2000	0.3-1.7	0.52	193	33	6	0.28	72	±3	M2.2-M4.2	M1.7-M3.2
UT8937	2200	0.3-2.5	0.52	193	33	6	0.28	72	±3	M2.2-M4.7	M1.7-M3.8
UT8931	1700	0.3-2.5	0.52	193	33	6	0.28	72	±3	M2.2-M4.7	M1.7-M3.8
UT8932	900	0.5-3.0	0.52	193	33	6	0.28	72	±3	M2.8-M5.0	M2.2-M4.0
UT8938	700	0.5-4.0	0.52	193	33	6	0.28	72	±3	M3.3-M5.7	M2.7-M4.4
UT8939	1800	0.5-4.5	0.84	227	41	8	0.55	72	±3	M2.8-M5.8	M2.2-M4.7
UT8940	1500	0.7-5.0	0.84	227	41	8	0.55	72	±3	M2.9-M6.0	M2.6-M4.9
UT8933	900	0.7-6.5	0.84	227	41	8	0.55	72	±3	M2.9-M6.4	M2.6-M5.4
UT8934	550	1.5-10	0.84	227	41	8	0.55	72	±3	M4.1-M7.0	M3.1-M6.0

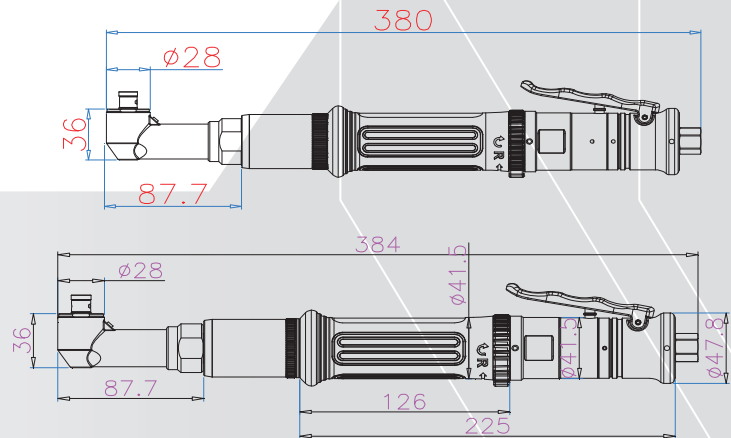
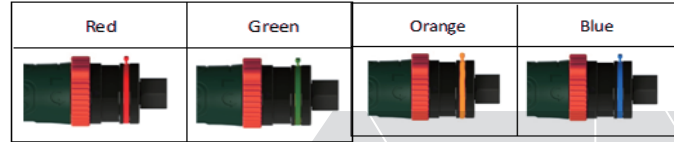
*** Air Pressure: 90 PSI (6.35 KG/CM²)

Angle

-Industrial Air Screwdrivers-



UNIQUE COLOR TORQUE SYSTEM



- ** Accurate clutch system with 3% deviation of torque, assure the best quality
- ** Wide torque range and longer life cycle of motor
- ** Low noise, low vibration and high accuracy
- ** One-handed operation (turn & change the rotary direction)
- ** With ergonomic grip handle for comfort & easy to grip
- ** Can quickly change the bit by push the bit head
- ** With unique color torque system (for easy visible torque marking at a glance)
- ** Precision machined bevel gear and angle head for easy maintenance and longer gear life

SPECIFICATIONS

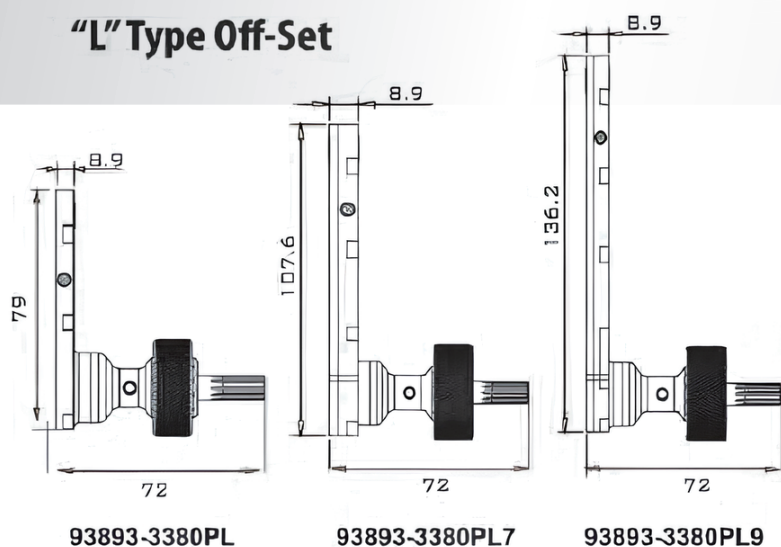
Model No.	Anvil Size	Free Speed	Torque range	Weight	Length	Air Inlet	Air Hose ID	Air Consumption	Noise	Standard Deviation	Fastening Capacity	
	Square Drive	rpm	Nm	Kg	mm	PT	MM	M ³ /MIN	dBA	%	Machine Screw Dia.	Tapping Screw Dia.
UT8919	1/4" HEX	1800	0.5-4.5	1.6	380	1/4"	8	0.55	72	±3	M2.8-M5.8	M2.2-M4.7
UT8921	1/4" HEX	1500	0.7-5.0	1.6	380	1/4"	8	0.55	72	±3	M2.9-M6.0	M2.6-M4.9
UT8920	1/4" HEX	900	0.7-6.5	1.6	380	1/4"	8	0.55	72	±3	M2.9-M6.4	M2.6-M5.4
UT8922	1/4" HEX	550	1.5-10	1.6	380	1/4"	8	0.55	72	±3	M4.1-M7.0	M3.1-M6.0
UT8923	1/4" HEX	300	3.0-18	1.9	384	1/4"	10	0.55	75	±3	M5.0-M9.3	M3.3-M7.2
UT8924	1/4" HEX	250	5.0~28	1.9	384	1/4"	10	0.55	75	±3	M6.0-M11.0	M4.9-M8.7

*** Air Pressure: 90 PSI (6.35 KG/CM²)

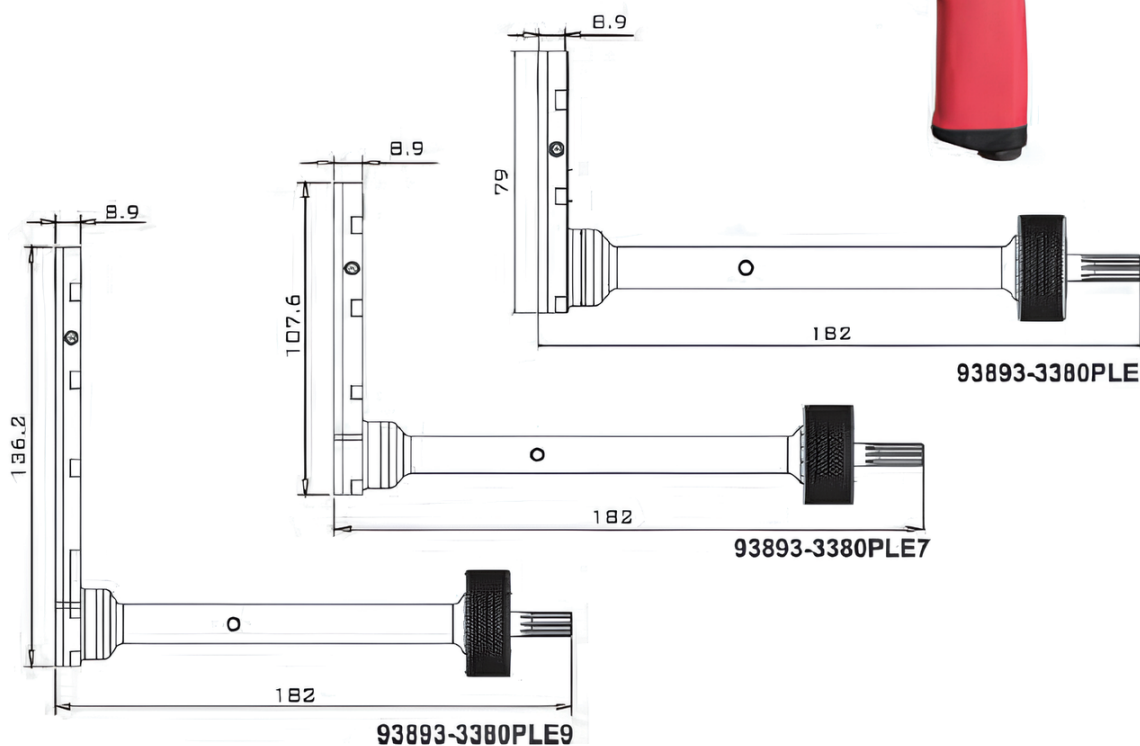
Precision Aircraft Drilling Attachments

Precision aircraft attachments for use with
UT8891 / UT8893 Angle Drills and SP Series Internal Spline Tools

"L" Type Off-Set

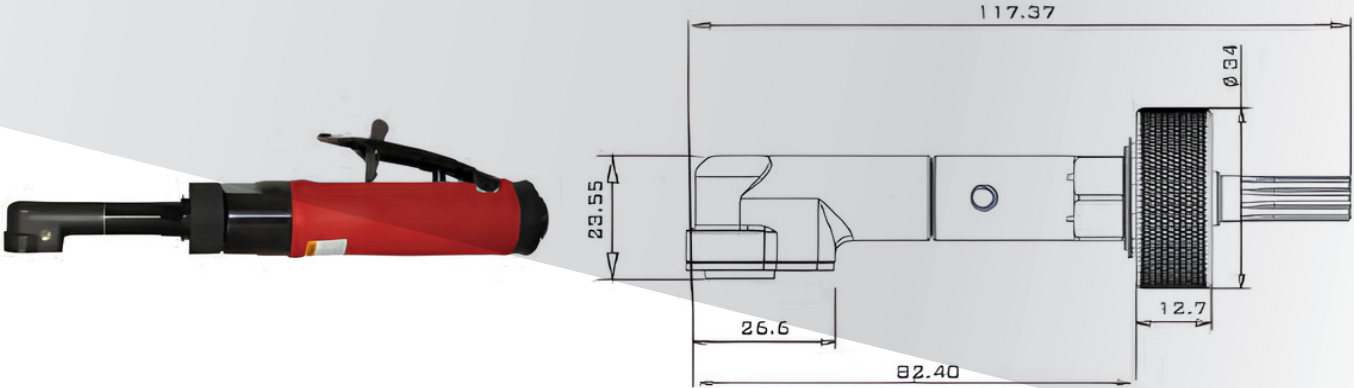


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93893-3380PL7
93893-3380PL9
93893-3380PLE
93893-3380PLE7
93893-3380PLE9

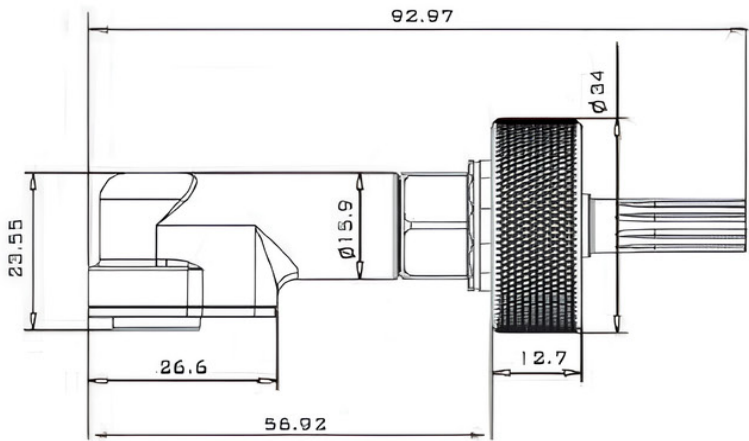


Precision Aircraft Drilling Attachments

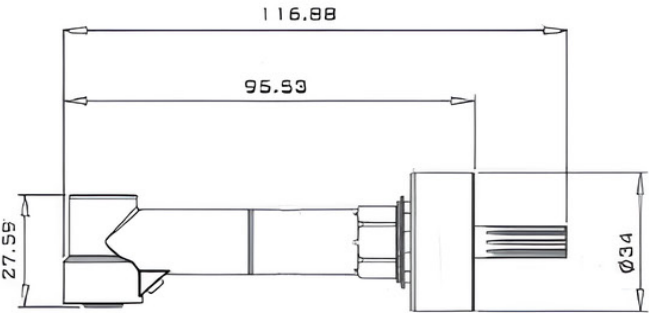
Precision aircraft attachments for use with
UT8891 / UT8893 Angle Drills and SP Series Internal Spline Tools



93893-3348A
90° Angle Drill Attachment



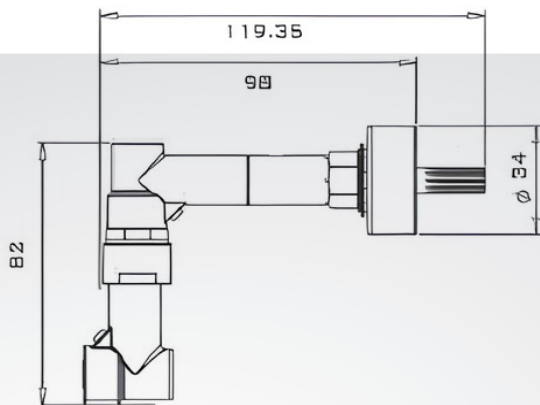
93893-3348AS
90° Short Angle Drill Attachment



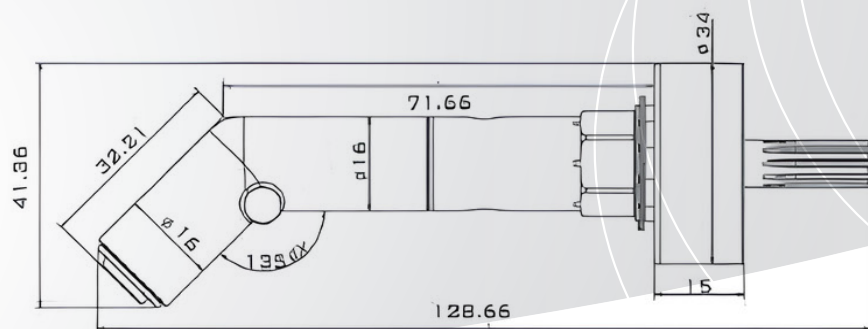
93893-3349
90° Heavy Duty Drill Attachment

Precision Aircraft Drilling Attachments

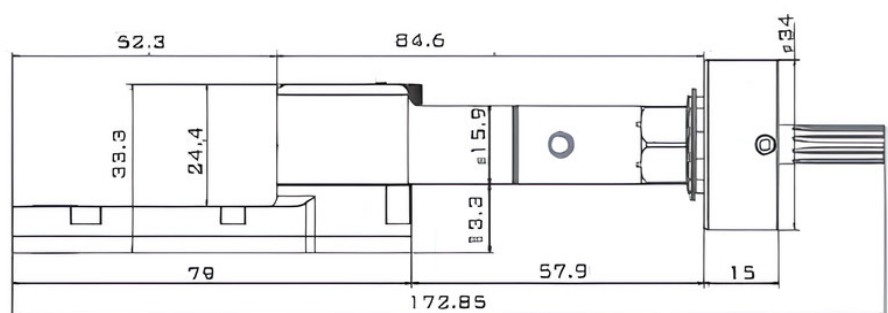
Precision aircraft attachments for use with
UT8891 / UT8893 Angle Drills and SP Series Internal Spline Tools



93893-3360
360° Drill Attachment



93893-4580
45° Angle Drill Attachment



93893-3380PS
Indovable Drill Attachment

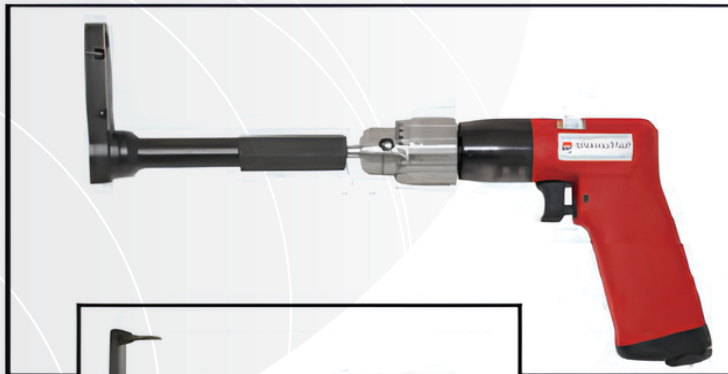
Precision Aircraft Drilling Attachments

FD Series "L" Type Off-set Attachments
For Use With Standard 3 Jaw Drill Chucks (1/4-in.-1/2-in.)

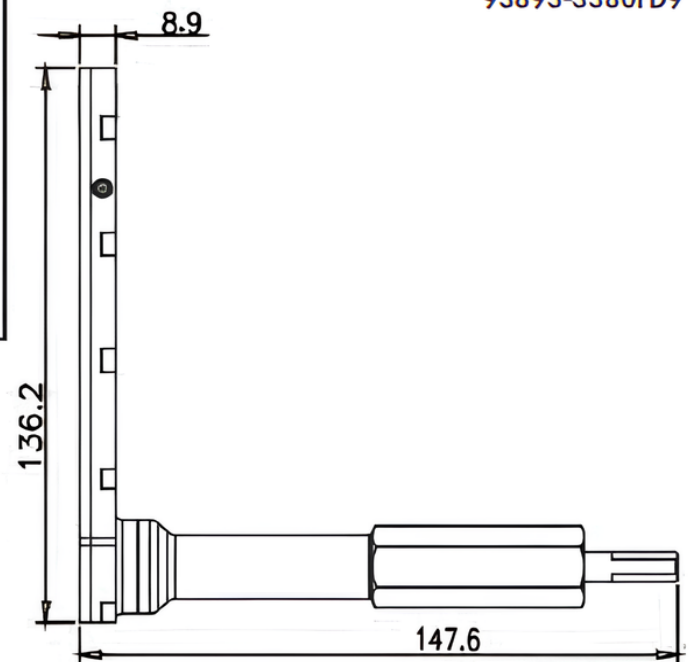
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93893-3380FD7

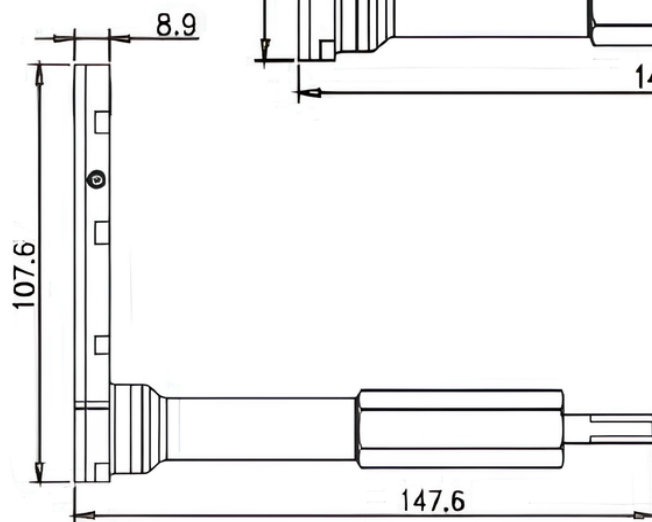
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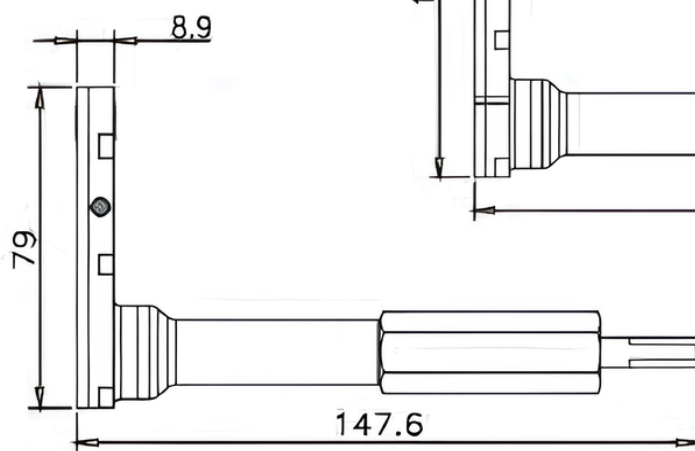
Can be used with reversible drills
for back drilling applications.



93893-3380FD9

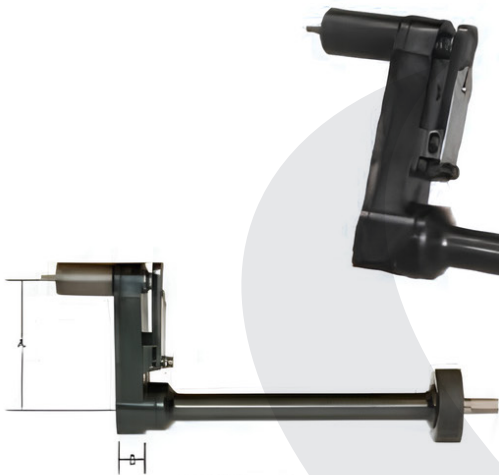


93893-3380FD7



93893-3380FD5

9300 Series Hi-Lok® Modular Installation Tools



9301 Attachment

HD5-9301-3125-785

Features

- New modular and indexable installation tool for –5 thru –8 diameter Hi-Lok/Hi-Lite® pin and collar combinations.
- Modular attachment design lends itself to point-of-use kits and travel repair kits for airframe maintenance.
- Offset attachment indexes and locks at 30° increments—allows operator maximum comfort for handle position.
- A = 2.375" B = .500"
- Available socket lengths of 1/2" and 1". Soon to have 1/4" lengths available.
- Attachment and socket assemblies interchange with other major manufacturers.
- Also available in 9301 extended version.
- **HD2.5-9300 250 rpm version also available!**



HD5-9300-3125-785



9300 Attachment

- .45 HP Motor Only for Modular & Indexable Hi-Lok® Installation Attachments
- Lubrication free
- Ported throttle for precise control
- 75 dBa



Model Number	RPM	Max Torque @ 90 psi	Weight	Length
UT8892HD-5*	500	200 in-lbs. **	1.05 lbs.	6.1"
UT8892HD-2.5*	250	250 in-lbs. **	1.05 lbs.	6.1"

9300 Series Selection Charts on the Following Pages

- ** Tool will accept Jiffy® modular Hi-Lok/Hi-Lite® installation attachments
 * Installation attachment is rated at lower torque value than motor

Hi-Lok[®]

Modular Installation Tools

9300 Series Selection Chart



HD5-9300-3125-785



HD5-9301-3125-785

Complete Tool Number	RPM	Modular Attachment Only	Socket Hex	Socket Length	Hex Tip Size	OAL	Socket Assembly Part Number
HD5-9300-2505-625	500	9300-2505-625	1/4"	1/2"	1/16"	8.250"	2505-625
HD5-9301-2505-625	500	9301-2505-625	1/4"	1/2"	1/16"	12.250"	2505-625
HD5-9300-2501-621	500	9300-2501-621	1/4"	1"	1/16"	8.750"	2501-621
HD5-9301-2501-621	500	9301-2501-621	1/4"	1"	1/16"	12.750"	2501-621
HD5-9300-2505-785	500	9300-2505-785	1/4"	1/2"	5/64"	8.250"	2505-785
HD5-9301-2505-785	500	9301-2505-785	1/4"	1/2"	5/64"	12.250"	2505-785
HD5-9300-2501-781	500	9300-2501-781	1/4"	1"	5/64"	8.750"	2501-781
HD5-9301-2501-781	500	9301-2501-781	1/4"	1"	5/64"	12.750"	2501-781
HD5-9300-3125-625	500	9300-3125-625	5/16"	1/2"	1/16"	8.250"	3125-625
HD5-9301-3125-625	500	9301-3125-625	5/16"	1/2"	1/16"	12.250"	3125-625
HD5-9300-3121-621	500	9300-3121-621	5/16"	1"	1/16"	8.750"	3121-621
HD5-9301-3121-621	500	9301-3121-621	5/16"	1"	1/16"	12.750"	3121-621
HD5-9300-3125-785	500	9300-3125-785	5/16"	1/2"	5/64"	8.250"	3125-785
HD5-9301-3125-785	500	9301-3125-785	5/16"	1/2"	5/64"	12.250"	3125-785
HD5-9300-3121-781	500	9300-3121-781	5/16"	1"	5/64"	8.750"	3121-781
HD5-9301-3121-781	500	9301-3121-781	5/16"	1"	5/64"	12.750"	3121-781
HD5-9300-3125-945	500	9300-3125-945	5/16"	1/2"	3/32"	8.250"	3125-945
HD5-9301-3125-945	500	9301-3125-945	5/16"	1/2"	3/32"	12.250"	3125-945
HD5-9300-3121-941	500	9300-3121-941	5/16"	1"	3/32"	8.750"	3121-941
HD5-9301-3121-941	500	9301-3121-941	5/16"	1"	3/32"	12.750"	3121-941

To order complete tool with 250 RPM use HD2.5 in the prefix. Tool Selection Chart Continues on Next Page.

9300 Series Tool Selection Chart

Complete Tool Number	RPM	Modular Attachment Only	Socket Hex	Socket Length	Hex Tip Size	OAL	Socket Assemb Part Number
HD5-9300-3435-625	500	9300-3435-625	11/32"	1/2"	1/16"	8.250"	3435-625
HD5-9301-3435-625	500	9301-3435-625	11/32"	1/2"	1/16"	12.250"	3435-625
HD5-9300-3431-621	500	9300-3431-621	11/32"	1"	1/16"	8.750"	3431-621
HD5-9301-3431-621	500	9301-3431-621	11/32"	1"	1/16"	12.750"	3431-621
HD5-9300-3435-785	500	9300-3435-785	11/32"	1/2"	5/64"	8.250"	3435-785
HD5-9301-3435-785	500	9301-3435-785	11/32"	1/2"	5/64"	12.250"	3435-785
HD5-9300-3431-781	500	9300-3431-781	11/32"	1"	5/64"	8.750"	3431-781
HD5-9301-3431-781	500	9301-3431-781	11/32"	1"	5/64"	12.750"	3431-781
HD5-9300-3435-945	500	9300-3435-945	11/32"	1/2"	3/32"	8.250"	3435-945
HD5-9301-3435-945	500	9301-3435-945	11/32"	1/2"	3/32"	12.250"	3435-945
HD5-9300-3431-941	500	9300-3431-941	11/32"	1"	3/32"	8.750"	3431-941
HD5-9301-3431-941	500	9301-3431-941	11/32"	1"	3/32"	12.750"	3431-941
HD5-9300-3755-785	500	9300-3755-785	3/8"	1/2"	5/64"	8.250"	3755-785
HD5-9301-3755-785	500	9301-3755-785	3/8"	1/2"	5/64"	12.250"	3755-785
HD5-9300-3751-781	500	9300-3751-781	3/8"	1"	5/64"	8.750"	3751-781
HD5-9301-3751-781	500	9301-3751-781	3/8"	1"	5/64"	12.750"	3751-781
HD5-9300-3755-945	500	9300-3755-945	3/8"	1/2"	3/32"	8.250"	3755-945
HD5-9301-3755-945	500	9301-3755-945	3/8"	1/2"	3/32"	12.250"	3755-945
HD5-9300-3751-941	500	9300-3751-941	3/8"	1"	3/32"	8.750"	3751-941
HD5-9301-3751-941	500	9301-3751-941	3/8"	1"	3/32"	12.750"	3751-941
HD5-9300-4385-785	500	9300-4385-785	7/16"	1/2"	5/64"	8.250"	4385-785
HD5-9301-4385-785	500	9301-4385-785	7/16"	1/2"	5/64"	12.250"	4385-785
HD5-9300-4381-781	500	9300-4381-781	7/16"	1"	5/64"	8.750"	4381-781
HD5-9301-4381-781	500	9301-4381-781	7/16"	1"	5/64"	12.750"	4381-781
HD5-9300-4385-945	500	9300-4385-945	7/16"	1/2"	3/32"	8.250"	4385-945
HD5-9301-4385-945	500	9301-4385-945	7/16"	1/2"	3/32"	12.250"	4385-945
HD5-9300-4381-941	500	9300-4381-941	7/16"	1"	3/32"	8.750"	4381-941
HD5-9301-4381-941	500	9301-4381-941	7/16"	1"	3/32"	12.750"	4381-941

Assemblies and Components Tool Selection Chart Continues on Next Page

9300 Socket Assembly, Socket & Hex Tip Selection Chart

Socket Assembly	Socket Hex	Socket Length	Hex Tip Size	Spring	Replacement Socket	Replacement Hex Tip
2505-625	1/4"	1/2"	1/16"	SC-100	S-2505	HT-625
2501-621	1/4"	1"	1/16"	SC-100	S-2501	HT-621
2505-785	1/4"	1/2"	5/64"	SC-100	S-2505	HT-785
2501-781	1/4"	1"	5/64"	SC-100	S-2501	HT-781
3125-625	5/16"	1/2"	1/16"	SC-100	S-3125	HT-625
3121-621	5/16"	1"	1/16"	SC-100	S-3121	HT-621
3125-785	5/16"	1/2"	5/64"	SC-100	S-3125	HT-785
3121-781	5/16"	1"	5/64"	SC-100	S-3121	HT-781
3125-945	5/16"	1/2"	3/32"	SC-100	S-3125	HT-945
3121-941	5/16"	1"	3/32"	SC-100	S-3121	HT-941
3435-625	11/32"	1/2"	1/16"	SC-100	S-3435	HT-625
3431-621	11/32"	1"	1/16"	SC-100	S-3431	HT-621
3435-785	11/32"	1/2"	5/64"	SC-100	S-3435	HT-785
3431-781	11/32"	1"	5/64"	SC-100	S-3431	HT-781
3435-945	11/32"	1/2"	3/32"	SC-100	S-3435	HT-945
3431-941	11/32"	1"	3/32"	SC-100	S-3431	HT-941
3755-785	3/8"	1/2"	5/64"	SC-100	S-3755	HT-785
3751-781	3/8"	1"	5/64"	SC-100	S-3751	HT-781
3755-945	3/8"	1/2"	3/32"	SC-100	S-3755	HT-945
3751-941	3/8"	1"	3/32"	SC-100	S-3751	HT-941
4385-785	7/16"	1/2"	5/64"	SC-100	S-4385	HT-785
4381-781	7/16"	1"	5/64"	SC-100	S-4381	HT-781
4385-945	7/16"	1/2"	3/32"	SC-100	S-4385	HT-945
4381-941	7/16"	1"	3/32"	SC-100	S-4381	HT-941



➤ *Aerospace Tool*

- Aero Riveting Hammer ■ Pistol Drill Series
- Spline Drive Tool Series ■ Aircraft Drill Series
- Angle Drill Series ■ Rivet Shavers ■ Motors



UT8662-TC

UT8663-TC

UT8665-TC

- * Tungsten carbide piston provides more powerful blows... smaller tool for the same application
 - * Contoured ergonomic handle design
 - * Precision engineered spool valve for precision control on the job
 - * Triple heat treated alloy steel cylinder
 - * All metal trigger and throttle valve for durability
- Best for: MRO and general Repair**

SPECIFICATIONS

Model No.	Retainer	Housing Material	Bushing (in)	Blows Per Minute	Bore (in)	Stroke (in)	Capacity Aluminum Steel (in)	Weight (kg)	Length (mm)	Air Inlet (npt)	Rec. Hose (id. in)	Air Cons. (cfm)
UT8662-TC	Spring	Aluminum	0.401	2,600	1/2	2-1/4	3/16 1/8	1.2	140	1/4"	3/8"	28.0
UT8663-TC	Spring	Aluminum	0.401	2,160	1/2	2-7/8	1/4 3/16	1.3	177	1/4"	3/8"	28.0
UT8665-TC	Spring	Aluminum	0.401	2,000	1/2	3-7/8	5/16 1/4	1.6	240	1/4"	3/8"	28.0

Recommended Air Pressure of 90 psi - 6.2 bar



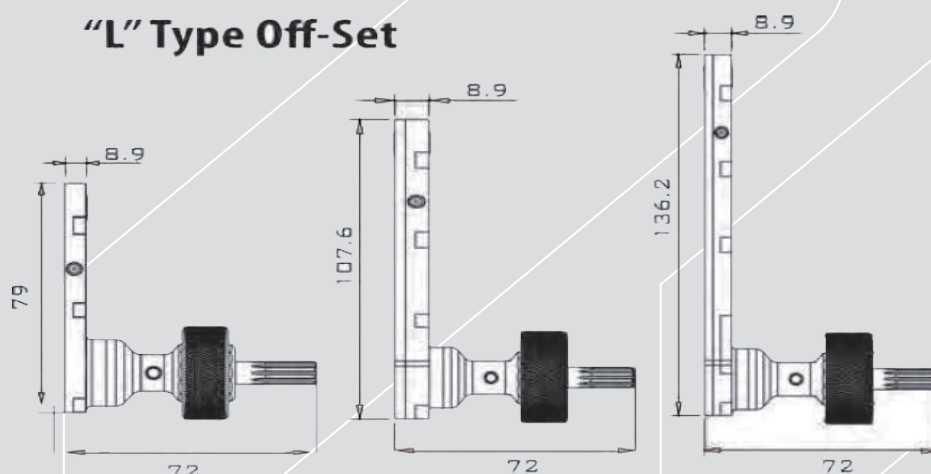
UT8892-5
UT8892-10
UT8892-24
UT8892-33
UT8892-45
UT8892-60
UT8892-200



UT8892SP - 5
UT8892SP - 10
UT8892SP - 24
UT8892SP - 33



"L" Type Off-Set



SPECIFICATIONS

Model No.	Motor (Hp)	Gear Ratio	Throttle Style	Speed (rpm)	Exhaust	Chuck	Weight (kg)	Length (mm)	Air Inlet (npt)	Rec. Hose (id. in)	Air Cons. (cfm)
UT8892-5	0.45	40:1	Ported	500	Rear	1/4"	0.60	191	1/4"	3/8"	16.0
UT8892-10	0.45	20:1	Ported	1,000	Rear	1/4"	0.60	191	1/4"	3/8"	16.0
UT8892-24	0.45	9:1	Ported	2,400	Rear	1/4"	0.54	188	1/4"	3/8"	16.0
UT8892-33	0.45	6:1	Ported	3,300	Rear	1/4"	0.54	188	1/4"	3/8"	16.0
UT8892-45	0.45	5:1	Ported	4,500	Rear	1/4"	0.54	188	1/4"	3/8"	16.0
UT8892-60	0.45	3.3:1	Ported	6,000	Rear	1/4"	0.54	188	1/4"	3/8"	16.0
UT8892-200	0.45	1:1	Ported	20,000	Rear	1/4"	0.54	188	1/4"	3/8"	16.0
UT8892SP-5	0.45	40:1	Ported	500	Rear	Internal Spline	0.50	159	1/4"	3/8"	16.0
UT8892SP-10	0.45	20:1	Ported	1,000	Rear	Internal Spline	0.50	159	1/4"	3/8"	16.0
UT8892SP-24	0.45	9:1	Ported	2,400	Rear	Internal Spline	0.48	159	1/4"	3/8"	16.0
UT8892SP-33	0.45	6:1	Ported	3,300	Rear	Internal Spline	0.48	159	1/4"	3/8"	16.0

Recommended Air Pressure of 90 psi - 6.2 bar

SPECIFICATIONS

Model No.	Motor (Hp)	Throttle Style	Speed (rpm)	Exhaust	Chuck	Weight (kg)	Length (mm)	Air Inlet (npt)	Rec. Hose (id. in)	Air Cons. (cfm)
UT8898-3	0.70	Ported	300	Handle	1/4"	0.90	201	1/4"	3/8"	22.0
UT8898-5	0.70	Ported	500	Handle	1/4"	0.90	201	1/4"	3/8"	22.0
UT8898-13	0.70	Ported	1,300	Handle	1/4"	0.90	201	1/4"	3/8"	22.0
UT8898-26	0.70	Ported	2,600	Handle	1/4"	0.85	183	1/4"	3/8"	22.0
UT8898-33	0.70	Ported	3,300	Handle	1/4"	0.85	183	1/4"	3/8"	22.0
UT8898-60	0.70	Ported	6,000	Handle	1/4"	0.75	183	1/4"	3/8"	22.0

Recommended Air Pressure of 90 psi - 6.2 bar



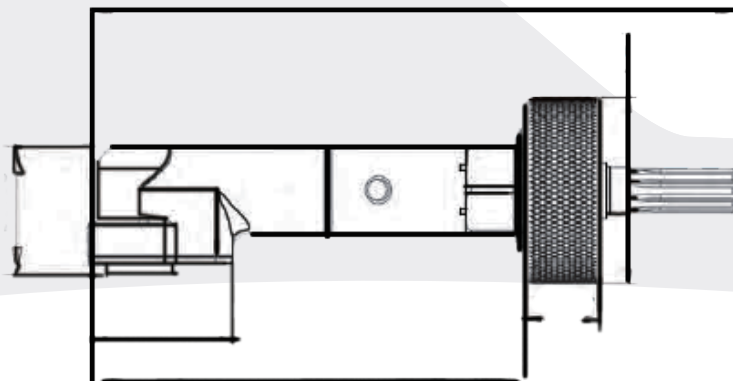
UT8898-3
UT8898-5
UT8898-13
UT8898-26
UT8898-33
UT8898-60



UT8891HD-5
UT8891HD-10
UT8891HD-24
UT8891HD-33
UT8891HD-45
UT8891HD-60



UT8891-5
UT8891-10
UT8891-24
UT8891-33
UT8891-45
UT8891-60



SPECIFICATIONS

Model No.	Motor (Hp)	Gear Ratio	Speed (rpm)	Exhaust	Chuck	Weight (kg)	Length (mm)	Air Inlet (npt)	Rec. Hose (id. in)	Air Cons. (cfm)
UT8891-5	0.45	40:1	500	Rear	1/4" x 28 TPI	0.85	260	1/4"	3/8"	16.0
UT8891-10	0.45	20:1	1,000	Rear	1/4" x 28 TPI	0.85	260	1/4"	3/8"	16.0
UT8891-24	0.45	9:1	2,400	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0
UT8891-33	0.45	6:1	3,300	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0
UT8891-45	0.45	5:1	4,500	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0
UT8891-60	0.45	3.3:1	6,000	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0
UT8891HD-5	0.45	40:1	500	Rear	1/4" x 28 TPI	0.85	260	1/4"	3/8"	16.0
UT8891HD-10	0.45	20:1	1,000	Rear	1/4" x 28 TPI	0.85	260	1/4"	3/8"	16.0
UT8891HD-24	0.45	9:1	2,400	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0
UT8891HD-33	0.45	6:1	3,300	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0
UT8891HD-45	0.45	5:1	4,500	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0
UT8891HD-60	0.45	3.3:1	6,000	Rear	1/4" x 28 TPI	0.75	248	1/4"	3/8"	16.0

Recommended Air Pressure of 90 psi - 6.2 bar

Aerospace Tool

Spline, Rivet Shavers & Motors

UT8893-5
UT8893-26
UT8893-60



UT8893-26S
UT8893-60S
UT8893M-5
UT8893M-26
UT8893M-60



UT8895RSP
UT8895RSP-30
UT8896RSP

UT8891M-5
UT8891M-10
UT8891M-24
UT8891M-33
UT8891M-45
UT8891M-60



UT8897RS-1/4
UT8897RS-5/16
UT8897RS-3/8
UT8897RS-7/16
UT8897RS-1/2
UT8897RS-9/16
UT8897RS-5/8



SPECIFICATIONS

Model No.	Motor (Hp)	Gear Ratio	Speed (rpm)	Exhaust	Weight (kg)	Length (mm)	Air Inlet (npt)	Rec. Hose (id. in)	Air Cons. (cfm)
UT8891M-5	0.80	9:1	500	Rear	0.60	191	1/4"	3/8"	16.0
UT8891M-10	0.80	6.6:1	1,000	Rear	0.60	191	1/4"	3/8"	16.0
UT8891M-24	0.80	N/A	2,400	Rear	0.54	188	1/4"	3/8"	16.0
UT8891M-33	0.90	40:1	3,300	Rear	0.54	188	1/4"	3/8"	16.0
UT8891M-45	0.90	8:1	4,500	Rear	0.54	188	1/4"	3/8"	16.0
UT8891M-60	0.90	3.3:1	6,000	Rear	0.54	188	1/4"	3/8"	16.0

Model No.	Motor (Hp)	Gear Ratio	Speed (rpm)	Exhaust	Chuck	Weight (kg)	Length (mm)	Air Inlet (npt)	Rec. Hose (id. in)	Air Cons. (cfm)
UT8896RSP	0.80	8:1	1,800	Rear	Internal Spline	1.00	178	1/4"	3/8"	18
UT8895RSP-30	0.80	6.6:1	3,000	Handle	Internal Spline	1.00	178	1/4"	3/8"	18
UT8895RSP	0.80	N/A	400	Handle	Internal Spline	1.10	197	1/4"	3/8"	18
UT8893-5	0.90	40:1	500	Rear	1/4" x 28 TPI	1.13	278	1/4"	3/8"	18
UT8893-26	0.90	8:1	2,600	Rear	1/4" x 28 TPI	1.08	278	1/4"	3/8"	18
UT8893-60	0.90	3.3:1	6,000	Rear	1/4" x 28 TPI	1.08	278	1/4"	3/8"	18
UT8893-26S	0.90	8:1	2,600	Rear	3/8"	1.08	260	1/4"	3/8"	18
UT8893-60S	0.90	3.3:1	6,000	Rear	3/8"	1.08	260	1/4"	3/8"	18
UT8893M-5	0.90	40:1	500	Rear	N/A	1.04	224	1/4"	3/8"	18
UT8893M-26	0.90	8:1	2,600	Rear	N/A	0.82	193	1/4"	3/8"	18
UT8893M-60	0.90	3.3:1	6,000	Rear	N/A	0.82	193	1/4"	3/8"	18

Model No.	Motor (Hp)	Gear Ratio	Throttle Style	Speed (rpm)	Exhaust	Skirt (in)	Weight (kg)	Length (mm)	Air Inlet (npt)	Rec. Hose (id. in)	Air Cons. (cfm)
UT8897RS-1/4	0.9	1:1	Ported	20,000	Handle	1/4	1.10	197	1/4"	3/8"	22
UT8897RS-5/16	0.9	1:1	Ported	20,000	Handle	5/16	1.10	197	1/4"	3/8"	22
UT8897RS-3/8	0.9	1:1	Ported	20,000	Handle	3/8	1.10	197	1/4"	3/8"	22
UT8897RS-7/16	0.9	1:1	Ported	20,000	Handle	7/16	1.10	197	1/4"	3/8"	22
UT8897RS-1/2	0.9	1:1	Ported	20,000	Handle	1/2	1.10	197	1/4"	3/8"	22
UT8897RS-9/16	0.9	1:1	Ported	20,000	Handle	9/16	1.10	197	1/4"	3/8"	22
UT8897RS-5/8	0.9	1:1	Ported	20,000	Handle	5/8	1.10	197	1/4"	3/8"	22

Recommended Air Pressure of 90 psi - 6.2 bar

Industrial Cordless Tools



■ UTSO Series ■ UTAS Series ■ UTBA Series
■ UTCI Series ■ UTIW Series

Tool Selection Chart

BOLT

GRADE at 8.8

UTSO SERIES:

UTSO-03H2
UTSO-03H2-H1
UTSO-06H2
UTSO-09H2
UTSO-12H2

UTSA SERIES:

UTAS-10
UTAS-10S2
UTAS-10S3
UTAS-16
UTAS-16S2
UTAS-16S3
UTAS-30S3
UTAS-35S3
UTAS-50S3(4)
UTAS-60S3(4)
UTAS-70S3(4)
UTAS-90S4

UTBA SERIES:

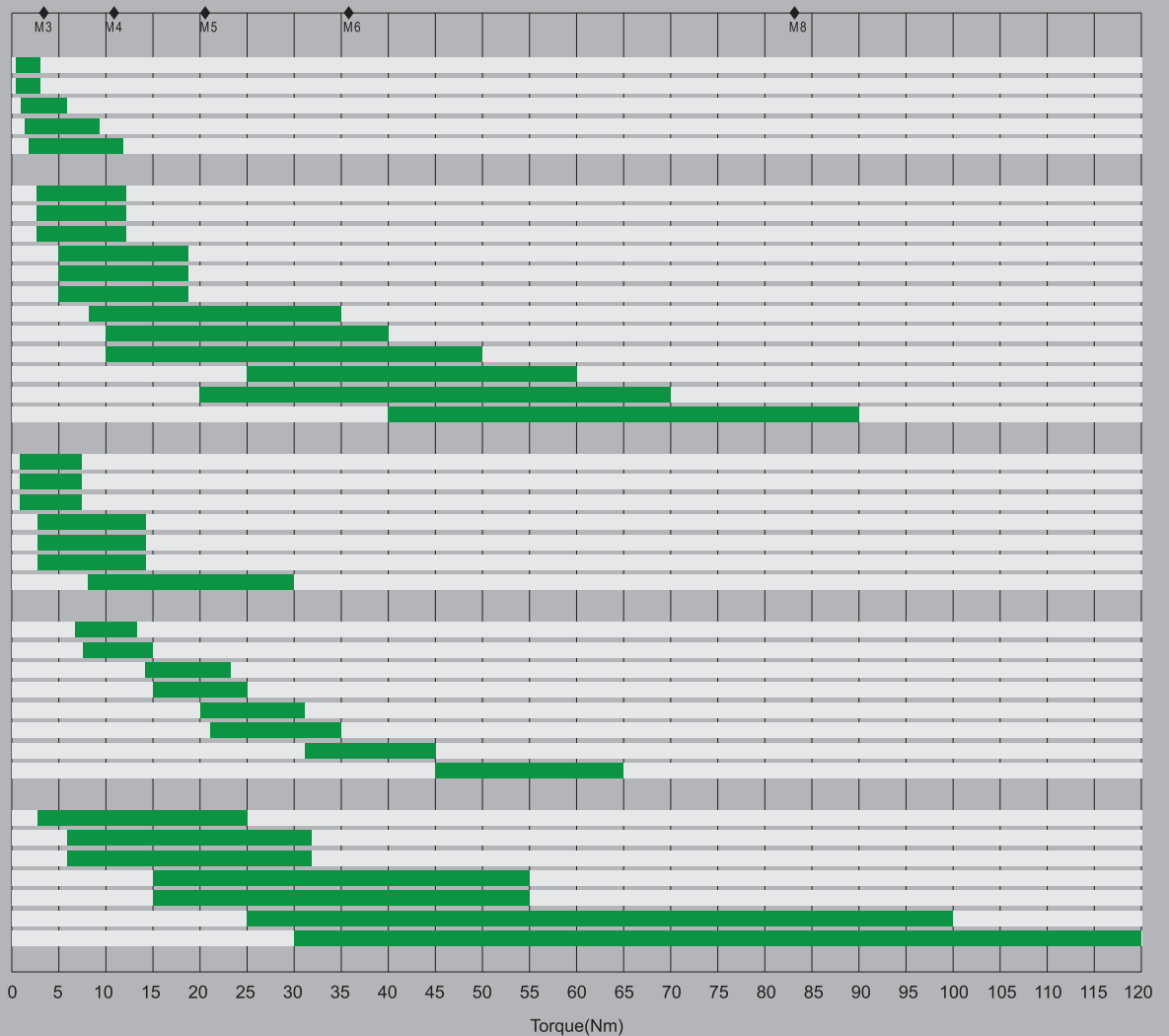
UTBA-07H2
UTBA-07S2
UTBA-07S3
UTBA-14H2
UTBA-14S2
UTBA-14S3
UTBA-30S3

UTCi SERIES:

UTCi-15
UTCi-15S3
UTCi-25
UTCi-25S3
UTCi-35
UTCi-35S3
UTCi-45S3
UTCi-65S4

UTIW SERIES:

UTIW-025H2
UTIW-032H2
UTIW-032S3
UTIW-055S3
UTIW-055S4
UTIW-100S4
UTIW-120S4



TORQUE RANGE REFERENCE

Torque is a very important reference value while choosing a right tool for tightening. Due to nut sizes, joint types, air pressure and working environment, the actual tightening torque may vary. The table above is only for a reference to choose the right tool. When the working torque is at the mean value of the torque range, the tool provides the best performance.

Tightening Torque (Nm)

This table shows the recommended tightening torque for common bolt size M2 to M16. According to ISO 898-1

Bolt Size	Bolt Grade							Bolt Size	Bolt Grade					
mm	3.6	4.6	4.8	5.8	8.8	10.9	12.9	mm	4.6	4.8	5.8	8.8	10.9	12.9
M2	0.10	0.13	0.17	0.22	0.35	0.49	0.58	M8	8.9	10.5	15	24	33	40
M3	0.35	0.46	0.61	0.77	1.20	1.70	2.10	M10	17	21	29	47	65	79
M4	0.81	1.10	1.40	1.80	2.90	4.00	4.90	M12	30	36	51	81	114	136
M5	1.60	2.20	2.95	3.60	5.70	8.10	9.70	M14	48	58	80	128	181	217
M6	2.80	3.70	4.90	6.10	9.80	14.0	17.0	M16	74	88	123	197	277	333

Torque Conversion

Nm	Ft-lbs	Nm	Ft-lbs	Nm	Ft-lbs	Nm	Ft-lbs	Nm	Ft-lbs
0.8	0.59	1.7	1.25	8	5.90	17	12.53	30	22.11
0.9	0.66	1.8	1.33	9	6.63	18	13.26	35	25.79
1	0.74	1.9	1.40	10	7.37	19	14.00	40	29.48
1.1	0.81	2	1.47	11	8.11	20	14.74	45	33.16
1.2	0.88	3	2.21	12	8.84	21	15.48	50	36.85
1.3	0.96	4	2.95	13	9.58	22	16.21	55	40.53
1.4	1.03	5	3.68	14	10.32	23	16.95	60	44.22
1.5	1.11	6	4.42	15	11.05	24	17.69	65	47.90
1.6	1.18	7	5.16	16	11.79	25	18.42	70	51.68

Industrial Cordless Tools

-Cordless Shut-off Screwdrivers-



Mini USB Connector:

LED indicator provides simple process information to the operator.



Blue light indicates that the tool is in reverse operation.



Green light indicates that the preset torque is reached and tightening is completed.



Red light with a long beep sound indicates that the tightening was failed.



Yellow light with a beep sound indicates that the battery is dead. Must change the battery pack immediately.



Yellow Flashing light with five short beep sounds indicates low battery.

SPECIFICATIONS

Model	Drive Size	Volt.	Screw Size	Torque Range (Nm)		Free Speed	Weight w/o Battery	Vibration Value	Noise Level
	inch	V	mm	Hard joint	Soft joint	rpm	kg	m/s ²	dB(A)
UTSO-03H2	1/4" Hex.	20	M3~M4	0.8~3	0.8~3	200~500	1.0	<2.5	<75
UTSO-03H2-H1	1/4" Hex.	20	M3~M4	0.8~3	0.8~3	500~1,550	1.0	<2.5	<75
UTSO-06H2	1/4" Hex.	20	M3~M5	1.5~6	1.5~6	300~1000	1.0	<2.5	<75
UTSO-09H2	1/4" Hex.	20	M3~M5	2~9	2~9	300~800	1.0	<2.5	<75
UTSO-12H2	1/4" Hex.	20	M4~M6	2.5~12	2.5~12	250~800	1.0	<2.5	<75

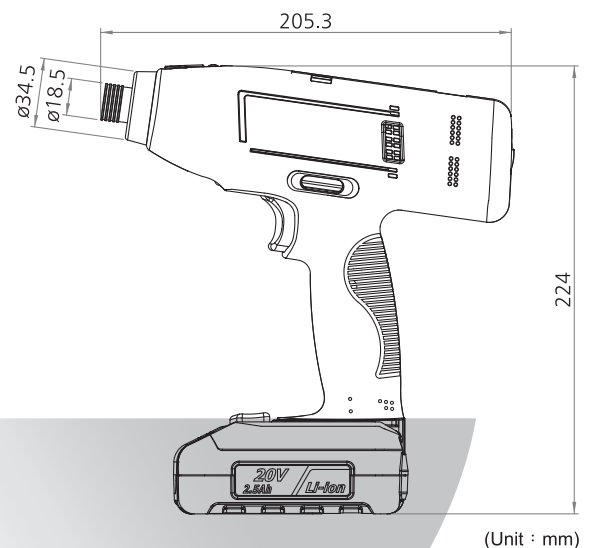
Adjustment screwdriver is included in the tool box.

Applications

- Assembly applications where torque accuracy is required.
- Areas where pneumatic or electric tools are impractical to use due to hoses/cables.
- Especially used on car interior assembly.
- Attaching components to the dashboard.
- Hose clips on turbo chargers and air intakes, heating and climate systems and coolant circuits.

Product Strengths

- Adopting with the innovative Lithium-ion battery technology that extends the operating time of one fully charged battery to be longer than the Ni-Cad and the Ni-MH battery.
- Lithium-ion battery has no memory effect which extends the cycle life of the battery.
- The unique design of low battery warning that reminds operators the time to change the battery.
- Brushless motor has longer life time and wear-free parts that lower maintenance and spare part costs.
- Tool speed can be adjusted for different applications.
- Soft grip handle reduces vibration and fatigue.
- Torque accuracy : Meets ISO 5393 Cmk>1.67 at $\pm 10\%$ tolerance.



Industrial Cordless Tools

-Cordless Shut-off Angle Wrenches/Screwdrivers-



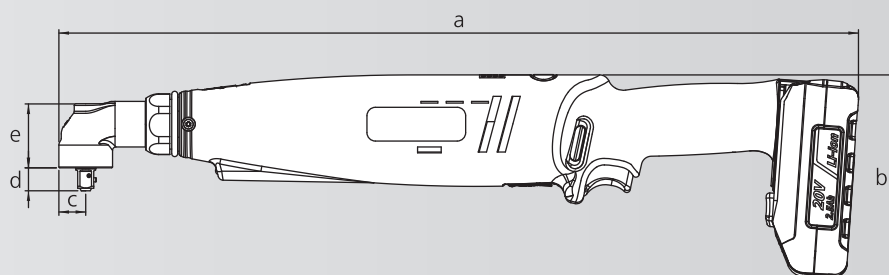
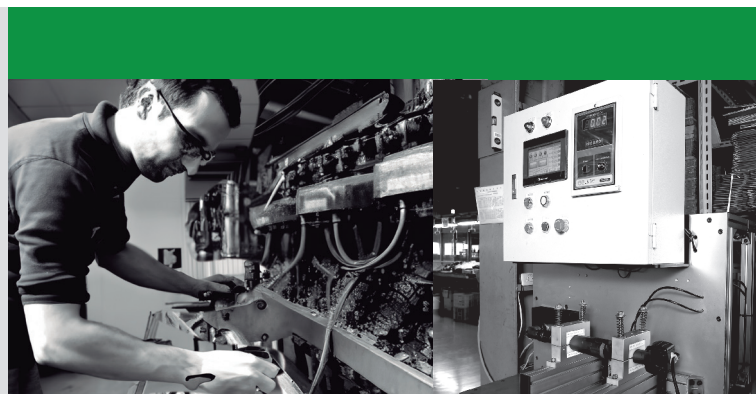
Applications

- Assembly applications where torque accuracy is required.
- Areas where pneumatic or electric tools are impractical to use due to hoses/cables.
- Especially used in cramped spaces.

Product Strengths

- The high performance brushless motor reduces the harm of environment and provides more fastening cycles per battery charge.
- To use innovative 5.0A.h Li-ion battery makes working time longer than Ni-Cad and Ni-MH batteries.
- Li-ion battery without memory effect so the battery life can be last longer.
- The common use 30 N.m tool is lighter and shorter than other brands , it makes the operation much easier and less fatiguing.
- Torque accuracy : Meets ISO 5393 Cmk>1.67 at $\pm 10\%$ tolerance.

- Blue light indicates that the tool is in reverse operation.
- Green light indicates the preset torque is reached and the tightening is OK.
- Red light with a long beep sound indicates that the preset torque is not reached.
- Yellow flashing with five short "beep" sounds indicates low battery.
- Yellow light with a long "beep" sound indicates that the battery is dead. Must change the battery immediately.



Dimensions

Model No.	a (mm)	b(mm)	c (mm)	d (mm)	e (mm)
UTAS-10(16)	469	120	16	20	39
UTAS-10(16)S2	469	120	16	9	39
UTAS-10(16)S3	469	120	16	12	39
UTAS-30(35)S3	474	120	16	13.5	38

SPECIFICATIONS

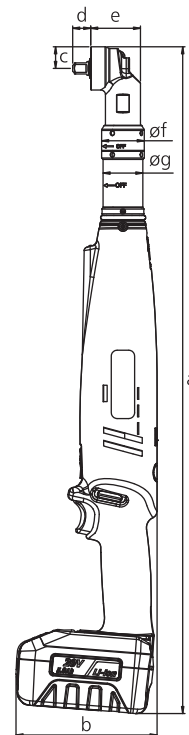
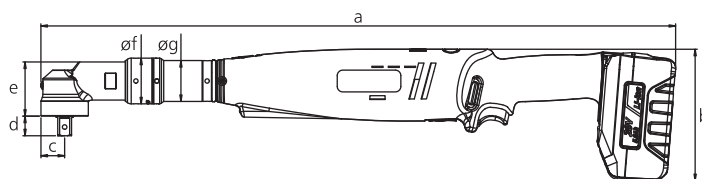
Model	Volt.	Drive Size	Screw Size	Weight w/o Batt.		Vibration Value	Noise Level	Free Speed	Torque Range (Nm)	
	V	in	mm	kg	lb	m/s ²	dB(A)	rpm	Hard joint	Soft joint
UTAS-10	20	1/4" Hex.	M4~M5	1.5	3.3	<2.5	<75	400-1000	3-12	3-10
UTAS-10S2		1/4" Sq.								
UTAS-10S3		3/8" Sq.								
UTAS-16	20	1/4" Hex.	M5~M6	1.5	3.3	<2.5	<75	300-600	5-18	5-16
UTAS-16S2		1/4" Sq.								
UTAS-16S3		3/8" Sq.								
UTAS-30S3	20	3/8" Sq.	M6~M8	1.5	3.3	<2.5	<75	250-450	8-30	8-22
UTAS-35S3	20	3/8" Sq.	M6~M8	1.6	3.52	<2.5	<75	200-350	10-35	10-30

Adjustment screwdriver, spanner, marking color ring are included with the tool.

Industrial Cordless Tools

-Cordless Shut-off Angle Wrenches-

UP TO 90 Nm



Dimensions

(unit:mm)

Model	a	b	c	d	e	øf	øg
UTAS-50S3	570.6	120.7	18.5	15.4	42.5	36.5	34.0
UTAS-50S4	570.6	120.7	18.5	18.5	42.5	36.5	34.0
UTAS-70S3	583.3	120.7	21.7	12.0	50.0	42.0	37.6
UTAS-70S4	583.3	120.7	21.7	18.0	50.0	42.0	37.6

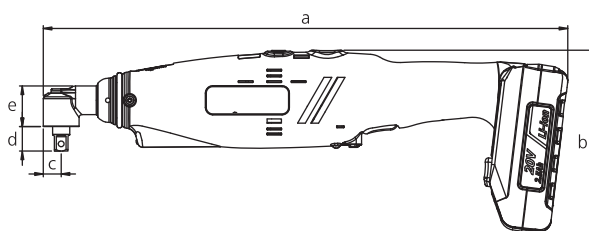
SPECIFICATIONS

Model	Volt.	Drive Size	Screw Size	Weight w/o Batt.		Vibration Value	Noise Level	Free Speed	Torque Range (Nm) W/5.0 A.h Battery Pack	
	V	in	mm	kg	lb	m/s ²	dB(A)	rpm	Hard joint	Soft joint
UTAS-50S3	20	3/8" Sq.	M6~M10	2.0	4.4	<2.5	<75	200	22~50	22~50
UTAS-50S4	20	1/2" Sq.	M6~M10	2.0	4.4	<2.5	<75	200	22~50	22~50
UTAS-60S3	20	3/8" Sq.	M8~M12	2.0	4.4	<2.5	<75	160	25~60	25~60
UTAS-60S4	20	1/2" Sq.	M8~M12	2.0	4.4	<2.5	<75	160	25~60	25~60
UTAS-70S3	20	3/8" Sq.	M8~M12	2.5	5.5	<2.5	<75	160	30~70	30~70
UTAS-70S4	20	1/2" Sq.	M8~M12	2.5	5.5	<2.5	<75	160	30~70	30~70
UTAS-90S3	20	1/2" Sq.	M10~M14	2.5	5.5	<2.5	<75	90	40~90	40~90
UTAS-90S4	20	1/2" Sq.	M10~M14	2.5	5.5	<2.5	<75	90	40~90	40~90

Adjustment screwdriver, spanner, marking color ring are included with the tool.

Industrial Cordless Tools

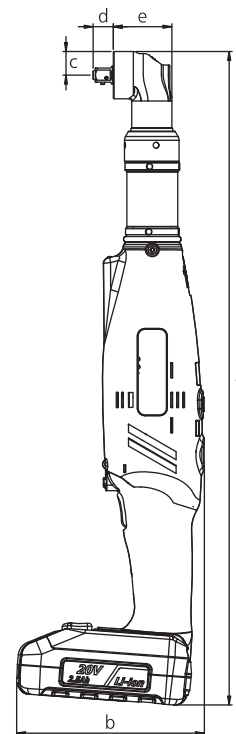
-Cordless Shut-off Angle Wrenches/Screwdrivers-



Dimensions

(unit:mm)

Model	a	b	c	d	e
UTBA-07(14)H2	367	126.5	12.5	3	26
UTBA-07(14)S2	367	126.5	12.5	9	26
UTBA-07(14)S3	367	126.5	12.5	12	26
UTBA-30S3	439	126.5	16	13.6	39



SPECIFICATIONS

Model	Volt.	Drive Size	Screw Size	Weight w/o Batt.		Vibration Value	Noise Level	Free Speed	Torque Range (Nm)	
	V	inch	mm	kg	lb	m/s ²	dB(A)	rpm	Hard joint	Soft joint
UTBA-07H2	20	1/4" Hex.	M3 - M5	1.2	2.6	<2.5	<75	400 - 800	1.8 - 7	1.8 - 7
UTBA-07S2	20	1/4" Sq.								
UTBA-07S3	20	3/8" Sq.								
UTBA-14H2	20	1/4" Hex.	M4 - M6	1.2	2.6	<2.5	<75	200 - 500	3.5 - 14	3.5 - 14
UTBA-14S2	20	1/4" Sq.								
UTBA-14S3	20	3/8" Sq.								
UTBA-30S3	20	3/8" Sq.	M5 - M8	1.68	3.7	<2.5	<75	200	8 - 30	8 - 30

Adjustment Screwdrivers, Open End Wrench(For SQ type) / Hex L-Wrench(For Hex.Type) Marking Coloring Ring, are Included with the tool.

Industrial Cordless Tools

-Cordless Shut-off Impulse Tools-

Max. Torque 65 Nm

Patented Unique Shut off system

Patent Pending

Special Damper Mechanism.

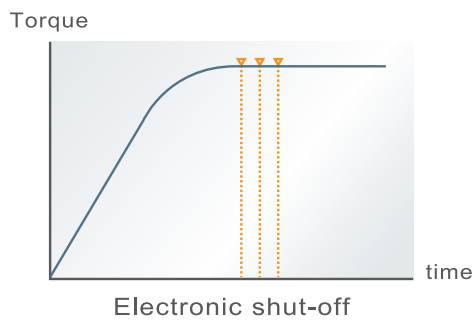


SPECIFICATIONS

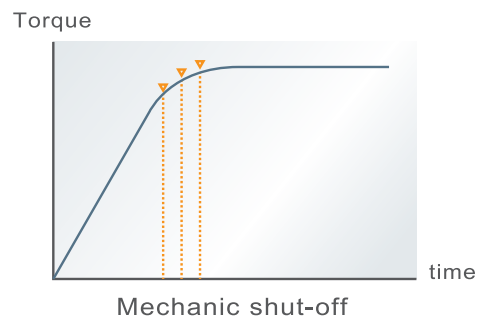
Model	Volt.	Drive Size	Weight w/o Batt.	Noise level	Free Speed	Torque range (Nm)		Pulse unit Type
	V	in	kg	dB(A)	rpm	Hard joint	Soft joint	
UTCI-15	20	1/4" Hex.	1.15	<80	4500	7-13	5-9	Shut-off
UTCI-15S3	20	3/8" Sq.	1.14	<80	4500	8-15	6-10	Shut-off
UTCI-25	20	1/4" Hex.	1.25	<80	4500	14-23	10-16	Shut-off
UTCI-25S3	20	3/8" Sq.	1.24	<80	4500	15-25	11-17	Shut-off
UTCI-35	20	1/4" Hex.	1.35	<80	3500	20-31	14-21	Shut-off
UTCI-35S3	20	3/8" Sq.	1.34	<80	3500	22-35	15-24	Shut-off
UTCI-45S3	20	3/8" Sq.	1.41	<80	3500	32-45	22-31	Shut-off
UTCI-65S4	20	1/2" Sq.	1.92	<80	3000	45-65	31-45	Shut-off

- This tool is suitable on hard joint(A joint) and medium soft joint(B joint), i.e. the tightening angle is less than 180 degrees.
- Set the shut-off point(1-9) as short as possible with stabilized torque on the application; 2-4 for hard joint and 3-7 for medium joint.
- The usage of a maximum of 6 bolts per minute is recommended.

-Superior Electronic Shut-off System-



The final torque acquired by electronic shut-off with the impulse setting function is more stable and accurate.



The final torque acquired by mechanic shut-off is easily affected by the change of oil temperature and becomes unstable and inaccurate.

FEATURES

- The Shut off Point can be adjusted according to different applications and joint types to reach the best performance and work efficiency.
- The Shut off Point setting can be locked to avoid the operators changing uncarefully.
- Reduce the influence of oil temperature inside the pulse unit to improve the torque accuracy.
- Reverse Locked mode keeps the tool always run at forward direction
- Non-contact Switch provides longer switch life.
- Advanced brushless motor provides longer motor life and better efficiency.
- Ergonomical handle design makes user feel more comfortable.



LED Indicators

Shut off Point Setting to apply various joint types.



FLASHING YELLOW + FLASHING GREEN = REVERSE OPERATION



GREEN = TIGHTENING OK



RED = TIGHTENING NG



FLASHING YELLOW = LOW BATTERY WARNING



YELLOW = CHANGE BATTERY

Industrial Cordless Tools

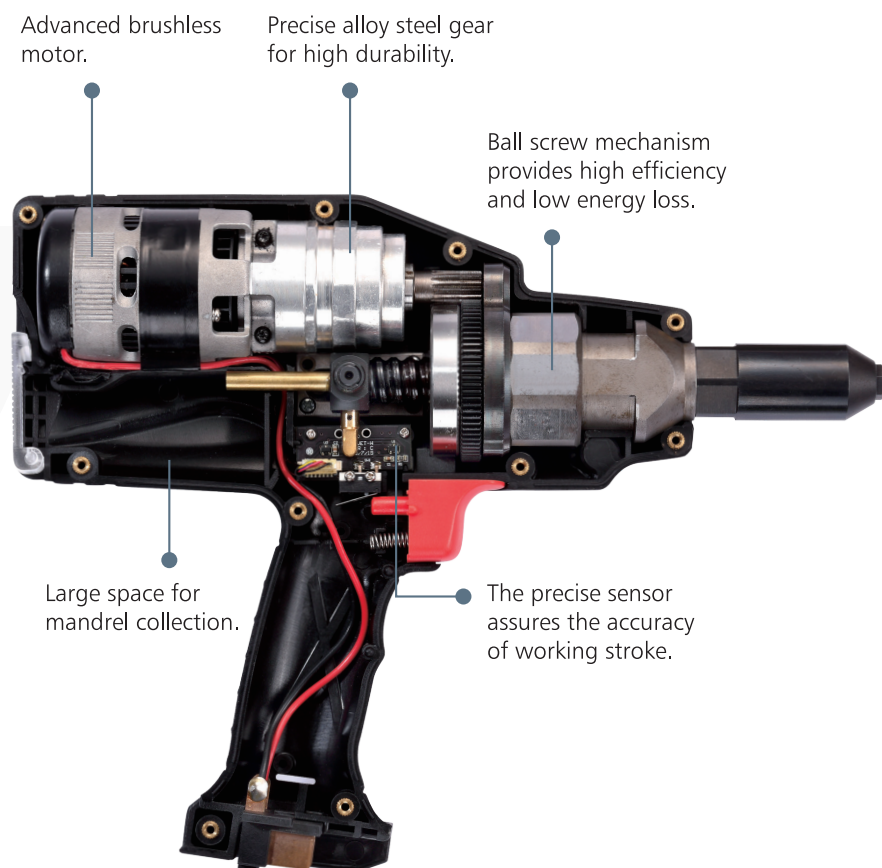
-Cordless Riveters-

Ball Screw Mechanism

RI180CBH



RI180CBH



SPECIFICATIONS

Model	Volt.	Motor type	Battery type	Rivets capacity	Stroke length	Traction power	Pulling time per unit	Weight with 2.5Ah battery		Weight with 5.0Ah battery		Charging time(2.5Ah)	Charging time(5.0Ah)
	V	-	Ah	mm	mm	lb	sec	kg	lb	kg	lb	minute	minute
RI180CBH	20	Brushless motor	Li-ion 2.5/5.0	4.8~6.4	20	2900	1.0	2.1	4.62	2.42	5.54	Approx. 60	Approx. 120

FEATURES

- Ball screw mechanism provides highest power.
- Short cycle times at full stroke.
- Brushless motor reduce the maintenance cost.
- Precision IC board control.
- Advanced, long-life Li-ion battery.
- Alloy steel gear box for high durability.
- Balanced, ergonomical handle.

Applications

- Boat
- Construction
- Display shelves
- Furniture
- Heating, Air conditioning
- Lighting fixtures
- Restaurant equipment
- Signs
- Trailers, Cargo container
- Vending machines

Industrial Cordless Tools

Cordless Shut off Impact Wrenches

UNIQUE PATENTED SHUT OFF SYSTEM

Advanced, stable impact shut-off mechanism.

LED light for work area illumination.

F/R button for ease of ergonomic operation.

1. Non-contact switch provides longer life with less downtime.
2. 2-speed control trigger / soft start.

Li-ion battery offers longer life with no memory effect.

Advanced brushless motor provides longer motor life and greater efficiency.

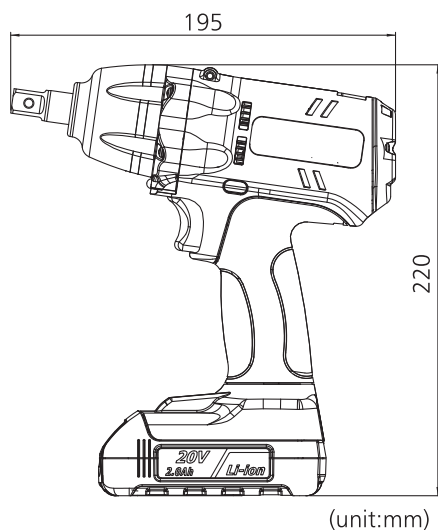
LED Indicators:

- REVERSE
- OK
- NOK
- LOW BATTERY WARNING
- CHANGE BATTERY

Mini USB port for downloading data from the motor.

Shock absorbing, ergonomic grip provides less fatigue with well-balanced operation.

Smart battery with capacity indicator.



SHUT OFF SYSTEM

Torque control function:
50 programmable stage settings.

Torque stage & error display
Torque setting button



Model	Volt.	Drive Size	Screw Size	Working Torque Range (0.2~3 secs)		Max. Torque (Non-shut off)		Free Speed	Weight w/o Battery		Noise Level
	V	Inch	mm	Nm	ft-lb	Nm	ft-lb	rpm	kg	lb	dB(A)
UTIW-025H2	20	1/4" Hex.	M5,M6,M8	3-25	2-18	40	30	2400	1.0	2.2	<75
UTIW-032H2	20	1/4" Hex.	M6,M8	6-32	4-24	90	66	2400	1.0	2.2	<75
UTIW-032S3	20	3/8" Sq.									
UTIW-055S3	20	3/8" Sq.	M8,M10	15-55	11-41	120	90	2400	1.1	2.4	<75
UTIW-055S4	20	1/2" Sq.									
UTIW-100S4	20	1/2" Sq.	M10,M12	25-100	18-74	180	133	2400	1.1	2.4	<75
UTIW-120S4	20	1/2" Sq.	M12,M14	30-120	22-89	210	155	2400	1.3	2.9	<75

Accessories

- Industrial Cordless Tools -

Li-ion Battery Packs



UTB200D-325



UTB200D-350



UTB200E-320



UTB200E-340

Part No.	Description	Size (L × W × H)	Charging Time	Weight
UTB200D-325	20V 2.5 A.h	117 × 77 × 47 mm	60 min.	0.4 kg (0.88 lb)
UTB200D-350	20V 5.0 A.h	117 × 77 × 67 mm	120 min.	0.67 kg (1.48 lb)
UTB200E-320	20V 2.0 A.h	117 × 77 × 46 mm	45 min.	0.38 kg (0.84 lb)
UTB200E-340	20V 4.0 A.h	117 × 77 × 64 mm	85 min.	0.64 kg (1.41 lb)



E86B-UL



E86B-AS



E86B-VD



E86B-UK

Power cords

Part No.	Region	Weight
E86B-UL	USA	62 g (0.13 lb)
E86B-VD	Europe	79 g (0.17 lb)
E86B-AS	Australia	105 g (0.23 lb)
E86B-UK	England	151 g (0.33 lb)

Chargers

UTCG01

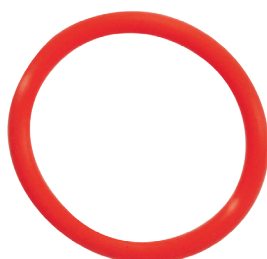


UTCG02

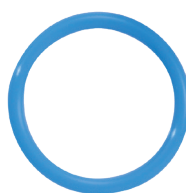


Part No.	Description	Weight
UTCG01	Input: 100~240 VAC Output: 18~20 V DC	0.54 kg (0.19 lb)
UTCG02	Input: 100~240 VAC Output: 18~20 V DC	0.68 kg (1.5 lb)

Marking color rings



000-4120R / Red ●



000-4120B / Blue ●



000-4120W / White ●



000-4120Y / Yellow ●

Adjustment screwdrivers

Suspension bails

(To suspend the tool on a balancer.)



» Part No. D39SC180B-1



» Part No. 33257-WRBA-01



» Part No. 430-SW40-283-0102



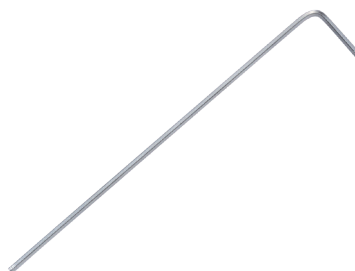
» Part No. D57SC108B-1
(For All series)

Spanner



» Part No. 33257-WRAA-01B

Adjustment Allen Wrenches



» Part No. 000-4610



» Part No. 000-4621

Programmer

-Cordless tools-

Model No. UTP01

More useful functions can be referred to the Programmer Instruction Manual.



- Easy to set the tool speed.
 - 1.High speed for metallic assemblies.
 - 2.Medium speed for plastic assemblies.
 - 3.Low speed for special assemblies.

- Total used time display function.



- Total operation count display function.



- Trip operation count display function.

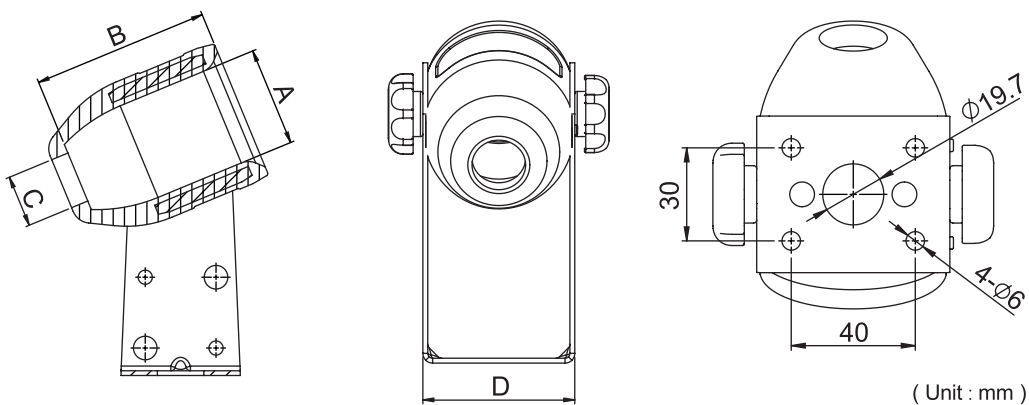


Tool Holsters

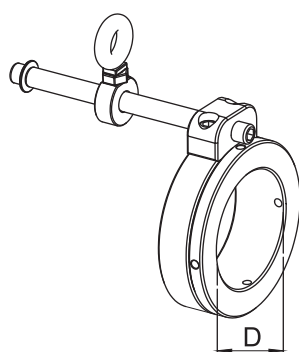
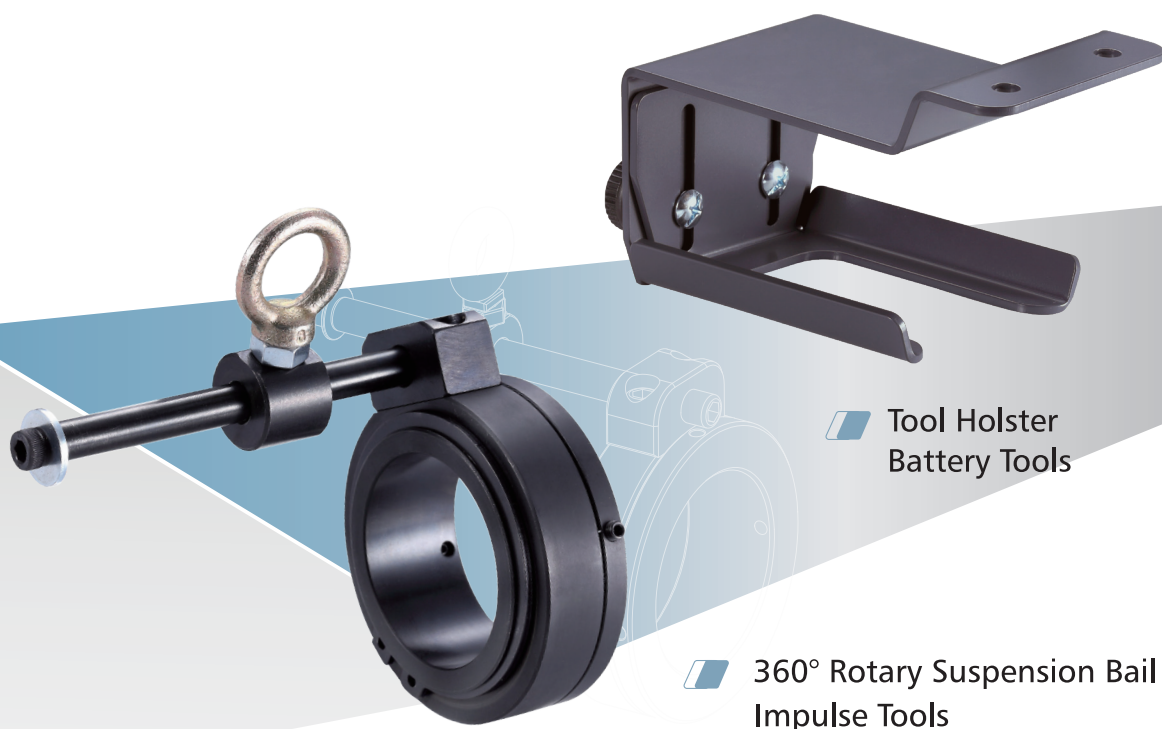
- Pistol and Straight type tools-



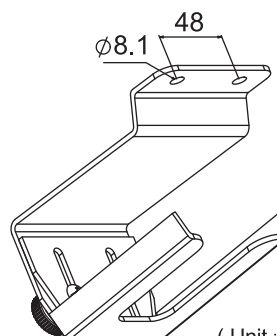
Part No. 61022-TH001



Part No.	Dimension "A"	Dimension "B"	Dimension "C"	Dimension "D"
61022-TH001	Ø 42mm	75mm	Ø 22mm	62.3mm
61022-TH002	Ø 47mm	30mm	Ø 26mm	69.3mm
61022-TH003	Ø 58mm	55mm	Ø 33mm	80.3mm
61022-TH004	Ø 73mm	45mm	Ø 45mm	95.3mm



3D view



(Unit : mm)



3D view

360° Rotary Suspension Bails Impulse Tools			Tool Holster Battery Tools	
Part No.	D (mm)	Apply to	Part No. 61022-TH005	
61022-SB001	51.3	UTI(S)-90	Apply to	
61022-SB002	55.3	UTI(S)-100	UTCI-15 ` UTCI-25 ` UTCI-35 ` UTCI-45 ` UTCI-65D4 ` UTAS-10	
61022-SB003	61.3	UTI(S)-130	UTAS-15 ` UTAS-16 ` UTAS-30 ` UTAS-36 ` UTAS-50 ` UTAS-60	
61022-SB004	69.3	UTI(S)-150	UTAS-70 ` UTAS-90 ` RI180CBH ` UTSO-03 ` UTSO-06 `	
61022-SB005	70	UTI(S)-180	UTSO-09 ` UTSO-12	