

# DRILLS



UD-50-45

Power is controlled by the built-in Air Regulator located on the handle.  
(Pistol handle type only)



UD-50-22



UD-60-29



UD-60-04



UD-80-12

## SPECIFICATIONS

Recommended Air Pressure : 0.6MPa (85psi)

Model	Drilling Capacity		Free Speed (about)	Overall Length (about)		Weight with Chuck (about)		From Center to Outside (about)		Nominal Chuck Size		Type of Spindle	Average Air Consumption	
	mm	in		mm	in	kg	lb	mm	in	mm	in		in-thr'd	m <sup>3</sup> /min
UD-50-200	3	No.5	23000	135	5 5/16	0.70	1.50	21.0	53/64	8	5/16	3/8-24UNF	0.40	14
UD-50-45	6	1/4	5000	145	5 23/32	0.86	1.89	21.0	53/64	8	5/16	3/8-24UNF	0.40	14
UD-50-22	8	5/16	2200	140	5 1/2	0.90	1.98	21.0	53/64	8	5/16	3/8-24UNF	0.40	14
UD-60-29	8	5/16	2900	165	6 1/2	1.10	2.43	22.5	57/64	8	5/16	3/8-24UNF	0.50	18
UD-60-20	8	5/16	2000	180	7 1/8	1.20	2.64	22.5	57/64	8	5/16	3/8-24UNF	0.50	18
UD-60-15	8	5/16	1600	180	7 1/8	1.20	2.64	22.5	57/64	8	5/16	3/8-24UNF	0.50	18
UD-60-07	13	1/2	700	219	8 5/8	1.40	3.08	22.5	57/64	13	1/2	1/2-20UNF	0.50	18
UD-60-04	13	1/2	500	220	8 5/8	1.40	3.08	22.5	57/64	13	1/2	1/2-20UNF	0.50	18
UD-80-12	13	1/2	1200	216	8 1/2	1.80	3.96	26.0	1 1/64	13	1/2	1/2-20UNF	0.65	23
UD-80-07	13	1/2	700	239	9 13/32	2.30	5.06	26.0	1 1/64	13	1/2	1/2-20UNF	0.65	23
UD-80-04	16	5/8	400	247	9 23/32	2.90	6.39	26.0	1 1/64	16	5/8	5/8-16UN	0.65	23

\*Air Hose Size (Inside Diameter) : 9.5mm (3/8") \*Air Inlet Thread : NPT1/4"



UD-50S-45



UD-50S-22



UD-60S-29



UD-60S-04



UD-80S-12

## SPECIFICATIONS

Recommended Air Pressure : 0.6MPa (85psi)

Model	Drilling Capacity		Free Speed (about)	Overall Length (about)		Weight with Chuck (about)		From Center to Outside (about)		Nominal Chuck Size		Type of Spindle	Average Air Consumption	
	mm	in		mm	in	kg	lb	mm	in	mm	in		in-thr'd	m <sup>3</sup> /min
UD-50S-200	3	No.5	23000	200	7 7/8	0.70	1.50	21.0	53/64	8	5/16	3/8-24UNF	0.40	14
UD-50S-45	6	1/4	5000	210	8 9/32	0.85	1.87	21.0	53/64	8	5/16	3/8-24UNF	0.40	14
UD-50S-22	8	5/16	2200	205	8 1/16	0.83	1.83	21.0	53/64	8	5/16	3/8-24UNF	0.40	14
UD-60S-29	8	5/16	2900	227	8 15/16	1.05	2.32	22.5	57/64	8	5/16	3/8-24UNF	0.50	18
UD-60S-20	8	5/16	2000	238	9 3/8	1.15	2.54	22.5	57/64	8	5/16	3/8-24UNF	0.50	18
UD-60S-15	8	5/16	1600	238	9 3/8	1.15	2.54	22.5	57/64	8	5/16	3/8-24UNF	0.50	18
UD-60S-07	13	1/2	700	272	10 23/32	1.35	2.98	22.5	57/64	8	5/16	1/2-20UNF	0.50	18
UD-60S-04	13	1/2	500	279	10 63/64	1.35	2.98	22.5	57/64	8	5/16	1/2-20UNF	0.50	18
UD-80S-12	13	1/2	1200	277	10 29/32	1.60	3.53	26.0	1 1/64	13	1/2	1/2-20UNF	0.65	23
UD-80S-07	13	1/2	700	300	11 13/16	2.10	4.73	26.0	1 1/64	13	1/2	1/2-20UNF	0.65	23
UD-80S-04	16	5/8	400	307	12 23/32	2.70	5.95	26.0	1 1/64	16	5/8	5/8-16UN	0.65	23
UD-80-12G	13	1/2	1200	282	11 7/64	2.30	5.06	26.0	1 1/64	13	1/2	1/2-20UNF	0.65	23
UD-80-07G	13	1/2	700	305	12 1/64	2.80	6.16	26.0	1 1/64	13	1/2	1/2-20UNF	0.65	23
UD-80-04G	16	5/8	400	313	12 21/64	3.40	7.50	26.0	1 1/64	16	5/8	5/8-16UN	0.65	23

\*Air Hose Size (Inside Diameter) : 9.5mm (3/8") \*Air Inlet Thread : NPT1/4"



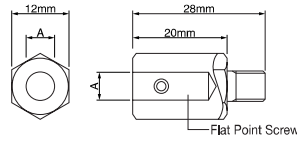
UD-50S-22A



UD-60S-29C

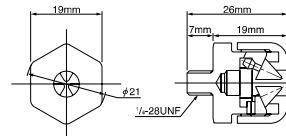
**DRILL ADAPTER** (for UD-50S Series)

Available sizes(A) : 2mm, 3mm, 4mm, 5mm, 6mm  
1/8", 5/32", 1/4"

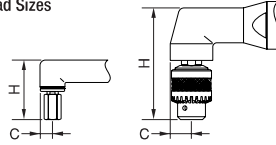


**CONE JAW CHUCK** (for UD-50S Series)

Capacity : up to 1/4" or 6.35mm  
Part Number : 923-100-0



**Head Sizes**



Model	C		H	
	mm	in	mm	in
UD-50S-22A	10.0	25/64	48.0	1 57/64
UD-60S-29C	17.0	43/64	90.0	3 35/64
UD-60S-15C	17.0	43/64	90.0	3 35/64

**SPECIFICATIONS**

Recommended Air Pressure : 0.6MPa (85psi)

Model	Drilling Capacity		Free Speed (about)	Overall Length (about)		Weight with Chuck (about)		Height with Chuck (about)		From Center to Outside (about)		Nominal Chuck Size		Type of Spindle	Average Air Consumption	
	mm	in		mm	in	kg	lb	mm	in	mm	in	mm	in		in-thr'd	m <sup>3</sup> /min
UD-50S-45A	4	No.8	5000	253	9 31/32	0.90	1.98	40	1 57/64	21.0	53/64	-	-	1/4-28UNF	0.40	14
UD-50S-22A	4	No.8	2200	248	9 49/64	0.88	1.94	40	1 57/64	21.0	53/64	-	-	1/4-28UNF	0.40	14
UD-60S-29C	8	5/16	2900	276	10 55/64	1.52	3.34	90	3 35/64	22.5	57/64	8	5/16	3/8-24UNF	0.50	18
UD-60S-15C	8	5/16	1600	283	11 9/64	1.60	3.52	90	3 35/64	22.5	57/64	8	5/16	3/8-24UNF	0.50	18

\*Air Hose Size (Inside Diameter) : 9.5mm (3/8") \*Air Inlet Thread : NPT1/4"

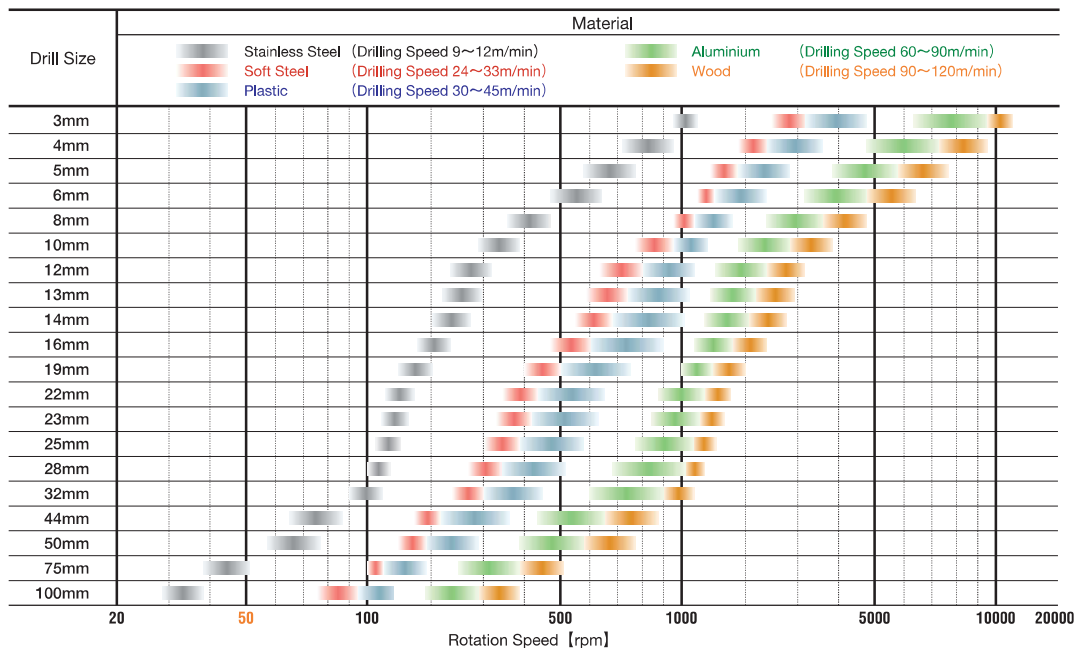
**OPTION**

**Dead Handle Assembly**



For UD-60 series 612-896-0  
For UD-80 series 613-896-0

**SELECTION GUIDE**



**Tap Pilot Hole Size (mm)**

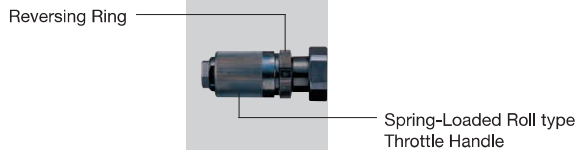
Bolt Size	Pilot Hole Size
M3	2.40
M4	3.25
M5	4.1
M6	5.0
M7	6.0
M8	6.8
M9	7.8
M10	8.5
M12	10.2
M14	12.0

# DRILLS



Smooth and accurate operations for many kinds of applications, such as drilling, tapping, reaming and tube rolling, etc.

## SELF-RETURNING ROLL TYPE THROTTLE HANDLE



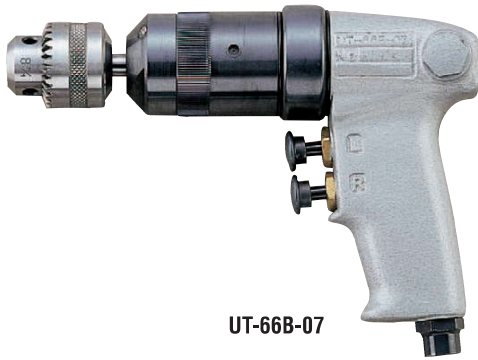
### SPECIFICATIONS

Recommended Air Pressure : 0.6MPa(85psi)

Model	Type	Drilling Capacity		Free Speed (about)	Overall Length (about)		Weight (about)		From Center to Outside (about)		Feed Length (about)		Air Hose Size		Average Air Consumption	
		mm	in	rpm	mm	in	kg	lb	mm	in	mm	in	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min
URD-22RR	Self-Returning	22.0	7/8	600	442	17 13/32	5.8	12.8	39	1 17/32	70	2 3/4	12.7	1/2	1.3	46

Air Inlet Thread : NPT3/8" for URD-22RR

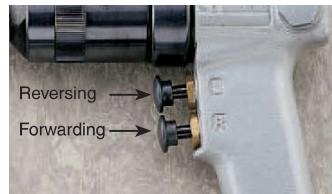
# TAPPERS



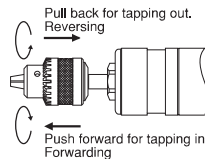
UT-66B-07

### Double-Trigger Handle

UT-66 series reversible drills have the double trigger handle for quick and frequent switchover of rotation.



### "Push-Pull" Auto Reversing Clutches



Power is controlled by the built-in Air Regulator located on the handle.  
UT-60-07  
UT-60-04

### OPTION

Size up of Chuck is possible.



923-060-0



923-053-0



682-732-0



678-732-7

Chuck Adaptor

Name	Part Number
φ13 Chuck	923-060-0
φ13 Taper Adapter	682-732-0
φ10 Chuck	923-053-0
φ10 Taper Adapter	678-732-7

\*Tapping capacity is up to nominal Standard chuck size.



UT-60-04



UT-60S-07

### SPECIFICATIONS

Recommended Air Pressure : 0.6MPa (85psi)

Model	Tapping Capacity		Free Speed (about)	Overall Length (about)		Weight with Chuck (about)		From Center to Outside (about)		Average Air Consumption	
	mm	in	rpm	mm	in	kg	lb	mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min
UT-66B-15	6	1/4	1500	183	7 7/32	1.32	2.90	25.0	31/32	0.4	14.4
UT-66B-07	8	5/16	800	196	7 23/32	1.42	3.12	25.0	31/32	0.4	14.4
UT-60-07	8	5/16	680	244	9 39/64	1.80	3.96	22.5	57/64	0.5	18.0
UT-60-04	8	5/16	400	244	9 39/64	1.80	3.96	22.5	57/64	0.5	18.0
UT-60S-07	8	5/16	680	300	11 13/16	1.65	3.63	22.5	57/64	0.5	18.0
UT-60S-04	8	5/16	400	316	12 7/16	1.65	3.63	22.5	57/64	0.5	18.0

Air Inlet Thread : NPT1/4" for UT-66B-15~UT-60S-04 Air Hose Size : 9.5mm (3/8") for UT-66B-15~UT-60S-04  
Nominal Chuck Size : 8mm (5/16") for UT-66B-07~UT-60S-04