

# 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		Code
	mm	in	min <sup>-1</sup>	mm	in	kg	lb	mm	in	mm	in	in-thr'd	m <sup>3</sup> /min	ft <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	61172
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	61142
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	61102
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	61252
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	61242
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	61232
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	61212
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	61202
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	61372
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	61342
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	61302

\*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		Code
	mm	in	min <sup>-1</sup>	mm	in	kg	lb	mm	in	mm	in	in-thr'd	m <sup>3</sup> /min	ft <sup>3</sup> /min	
UD-50S-200	3	No.5	23000	193	7 7/8	0.70	1.50	21.0	53/64	8	5/16	3/8-24UNF	0.40	14	61972
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	61942
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	61902
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	61772
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	61742
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	61732
UD-60S-07	13	1/2	700	272	10 23/32	1.35	2.98	22.5	57/64	13	1/2	1/2-20UNF	0.50	18	61702
UD-60S-04	13	1/2	500	279	10 63/64	1.35	2.98	22.5	57/64	13	1/2	1/2-20UNF	0.50	18	61712
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	61392
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	61352
UD-80S-04	16	5/8	400	307	12 3/32	2.70	5.95	26.0	1 1/64	16	5/8	5/8-16UN	0.65	23	61332
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	61382
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	61362
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	61322

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



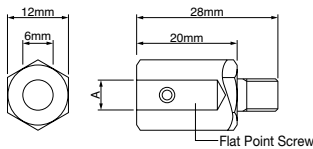
UD-50S-22A



UD-60S-29C

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

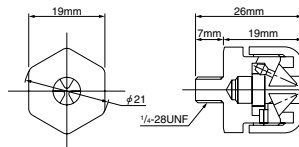
Part Number : 924-015-0



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

Capacity : up to 1/4" or 6.35mm

Part Number : 923-100-0



**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		Code
	mm	in		mm	in	kg	lb	mm	in	mm	in	mm	in		m <sup>3</sup> /min	ft <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	62042
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	62002
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	61872
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	61832

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

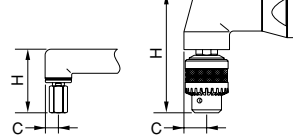
**OPTION**

**Dead Handle & Dead Handle Connector**



For UD-60 series : 613-720-0 Dead Handle / 612-730-0 Dead Handle Connector  
 For UD-80 series : 613-720-0 Dead Handle / 613-730-0 Dead Handle Connector

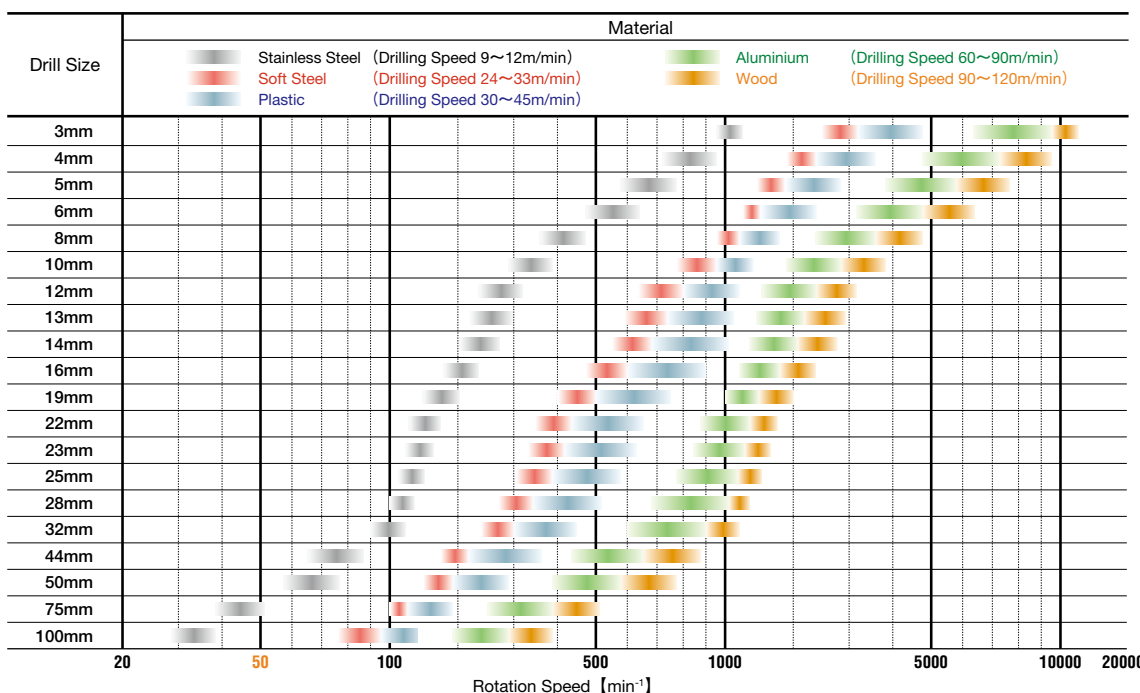
**Head Sizes**



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

DRILLS & TAPERS

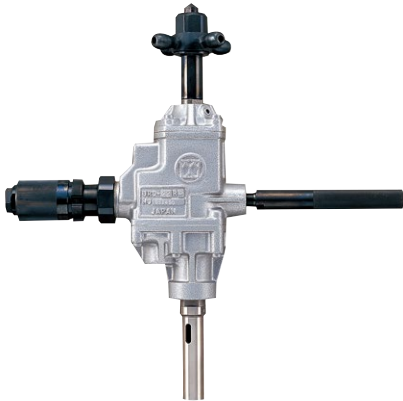
**SELECTION GUIDE**



**Tap Pilot Hole Size (mm)**

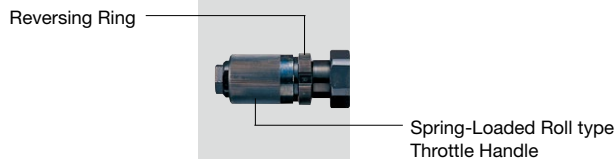
Bolt Size	Pilot Hole Size
M3	2.40
M4	3.25
M5	4.1
M6	5.0
M7	6.0
M8	6.8
M9	7.8
M10	8.5
M12	10.2
M14	12.0

# 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



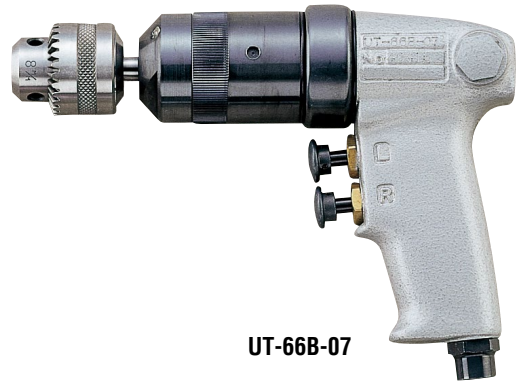
### SPECIFICATIONS

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		Code
		mm	in		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	63242

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

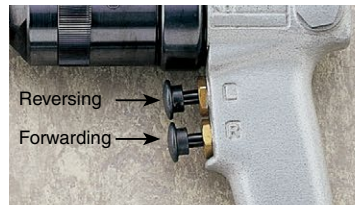
# TAPPERS



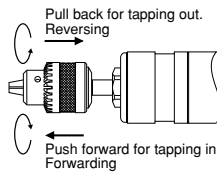
UT-66B-07

### 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



UT-60-04



UT-60S-07

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
φ 13 Chuck	923-060-0
φ 13 Taper Adapter	682-732-0
φ 10 Chuck	923-053-0
φ 10 Taper Adapter	678-732-7

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

### 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		Code
	mm	in		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	68102
UT-66B-07	8	5/16	800	196	7 23/32	1.42	3.12	25.0	31/32	0.4	14.4	68132
UT-60-07	8	5/16	680	244	9 39/64	1.80	3.96	22.5	57/64	0.5	18.0	67852
UT-60-04	8	5/16	400	244	9 39/64	1.80	3.96	22.5	57/64	0.5	18.0	67872
UT-60S-07	8	5/16	680	316	12 7/16	1.65	3.63	22.5	57/64	0.5	18.0	68022
UT-60S-04	8	5/16	400	316	12 7/16	1.65	3.63	22.5	57/64	0.5	18.0	68002

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