

# Right Angle Drills

## DOTCO®

320 – 5,600 RPM

0.4 – 0.9 hp (0.30 – 0.67 kW)

- An impressive number of speeds to match your drilling application
- Wide range of angle head designs – 45°, mini 90°, 360°, compact or heavy duty 90°



### New! Ergonomic Safety Lever

Beginning July 2004, all Dotco "S" tools will be shipped with our new comfort grip safety lever.



### Optional Angle Heads

(NOTE: All models not available with all angle heads.)

Termination	Spindle Thread
<b>600 Series Mini Angle Head</b>	
-61	#10-32 Internal
-62	1/4"-28 Internal
-63	9/32"-40 Internal
-64	5/16"-24 Internal

600 Series

Termination	Spindle Thread
<b>700 Series Compact Angle Head</b>	
-72	1/4"-28 Internal
-73	9/32"-40 Internal
-74	5/16"-24 Internal

700 Series

Termination	Spindle Thread
<b>360 Degree Mini Angle Head</b>	
-91	#10-32 Internal
-92	1/4"-28 Internal



360° Series

Termination	Spindle Thread
<b>45 Degree Mini Angle Head</b>	
-42	1/4"-28 Internal
-43	9/32"-40 Internal
-44	5/16"-24 Internal

45° Series

Termination	Spindle Thread
<b>500 Series Heavy Duty Angle Head</b>	
-52	1/4"-28 Internal
-53	9/32"-40 Internal
-54	5/16"-24 Internal
-55	3/8"-24 Internal
-59	1/4" Cap. 3 jaw chuck
-59NC	3/8"-24 Male Thread

500 Series

Model Number	Free Speed	Drill Diameter Capacity	Type Housing	Weight		Length		Spindle Size	Air Inlet Size
	rpm			lbs.	kgs	in.	mm		
<b>Light Duty Head – 15LF Series – 0.4 hp (0.30 kW) – Rear Exhaust</b>									
15LF281-62	5,300	1/4"	C	1.6	0.75	10.7	272	1/4"-28*	1/4"
 15LF282-62	4,000	1/4"	C	1.6	0.75	10.7	272	1/4"-28*	1/4"
 15LF283-62	3,300	1/4"	C	1.6	0.75	10.7	272	1/4"-28*	1/4"
 15LF284-62	2,400	1/4"	C	1.8	0.85	11.1	282	1/4"-28*	1/4"
15LF285-62	1,000	1/4"	C	1.9	0.85	11.8	300	1/4"-28*	1/4"
15LF286-62	750	1/4"	C	1.9	0.85	11.8	300	1/4"-28*	1/4"
15LF287-62	600	1/4"	C	1.9	0.85	11.8	300	1/4"-28*	1/4"
<b>Light Duty Head – 15LS Series – 0.6 hp (0.45 kW) – Rear Exhaust</b>									
15LS281-62	5,430	1/4"	C	2.3	1.05	11.5	292	1/4"-28*	1/4"
15LS282-62	3,370	1/4"	C	2.3	1.05	11.5	292	1/4"-28*	1/4"
15LS283-62	2,010	1/4"	C	2.3	1.05	11.5	292	1/4"-28*	1/4"
15LS284-62	1,660	1/4"	C	1.8	0.85	12.4	315	1/4"-28*	1/4"
15LS285-62	1,360	1/4"	C	1.9	0.85	12.7	323	1/4"-28*	1/4"
15LS286-62	840	1/4"	C	1.9	0.85	12.7	323	1/4"-28*	1/4"
15LS287-62	500	1/4"	C	1.9	0.85	12.7	323	1/4"-28*	1/4"
<b>Light Duty Head – 15LN Series – 0.9 hp (0.67 kW) – Rear Exhaust</b>									
15LN288-62	5,600	1/4"	C	2.5	1.15	12.0	305	1/4"-28*	1/4"
15LN281-62	5,000	1/4"	C	2.5	1.15	12.0	305	1/4"-28*	1/4"
15LN282-62	3,100	1/4"	C	2.5	1.15	12.0	305	1/4"-28*	1/4"
15LN284-62	1,530	1/4"	C	2.5	1.15	12.0	305	1/4"-28*	1/4"
<b>Heavy Duty Head – 15LF Series – 0.4 hp (0.30 kW) – Rear Exhaust</b>									
15LF281-52	3,700	1/4"	C	1.7	0.75	11.0	280	1/4"-28*	1/4"
15LF282-52	2,800	1/4"	C	1.7	0.75	11.0	280	1/4"-28*	1/4"
15LF283-52	2,300	1/4"	C	1.7	0.75	11.0	280	1/4"-28*	1/4"
15LF285-52	700	1/4"	C	2.0	0.95	12.0	305	1/4"-28*	1/4"
15LF286-52	525	1/4"	C	2.0	0.95	12.0	305	1/4"-28*	1/4"
15LF287-52	420	1/4"	C	2.0	0.95	12.0	305	1/4"-28*	1/4"
<b>Heavy Duty Head – 15LS Series – 0.6 hp (0.45 kW) – Rear Exhaust</b>									
15LS281-52	3,800	1/4"	C	2.4	1.05	11.0	297	1/4"-28*	1/4"
15LS282-52	2,360	1/4"	C	2.4	1.05	11.0	297	1/4"-28*	1/4"
15LS283-52	1,410	1/4"	C	2.4	1.05	11.0	297	1/4"-28*	1/4"
15LS287-52	350	1/4"	C	2.8	1.25	12.3	330	1/4"-28*	1/4"
<b>Heavy Duty Head – 15LN Series – 0.9 hp (0.67 kW) – Rear Exhaust</b>									
15LN288-52	3,900	1/4"	C	2.6	1.15	11.5	310	1/4"-28*	1/4"
15LN281-52	3,500	1/4"	C	2.6	1.15	11.5	310	1/4"-28*	1/4"
15LN282-52	2,170	1/4"	C	2.6	1.15	11.5	310	1/4"-28*	1/4"
15LN283-52	1,300	1/4"	C	2.6	1.15	11.5	310	1/4"-28*	1/4"
15LN284-52	1,070	1/4"	C	3.0	1.35	12.8	343	1/4"-28*	1/4"
15LN285-52	870	1/4"	C	3.0	1.35	12.8	343	1/4"-28*	1/4"
15LN286-52	540	1/4"	C	3.0	1.35	12.8	343	1/4"-28*	1/4"
15LN287-52	320	1/4"	C	3.0	1.35	12.8	343	1/4"-28*	1/4"

Housing Guide: A=Aluminum, C=Composite, S=Steel  
 \* Internal Thread

**GENERAL:**

Minimum Hose I.D.– 15LF, 15LS, 15LN Series: 1/4" (6.4mm)  
 All Tools performance rated @ 90psi (620 kPa) air pressure.

**STANDARD EQUIPMENT:**

Light Duty Tools: 600 Series Mini Angle Head with 1/4"-28 internal thread  
 Heavy Duty Tools: 500 Series Heavy Duty Angle Head with 1/4"-28 internal thread

**EXTRA EQUIPMENT:**

For lock-off safety lever, substitute "S" for "L" in model number.  
 Overhose (rear exhaust): See page 63  
 Collets for 9/32"-40 terminations: See page 48

**OPTIONAL CHUCK TERMINATIONS:**

NOTE: The Light Duty model numbers shown in the above table are equipped with the 600 series (-62) angle head with 1/4"-28 internal thread. The Heavy Duty model numbers are equipped with the 500 series (-52) angle head with 1/4"-28 internal thread. To order other angle head configurations, the proper termination code from the charts on page 49 must be specified, in place of the standard -62 or -52 termination, when ordering. All models not available with all angle heads.

 Refer to Page 7 for description of Rapid Select.