



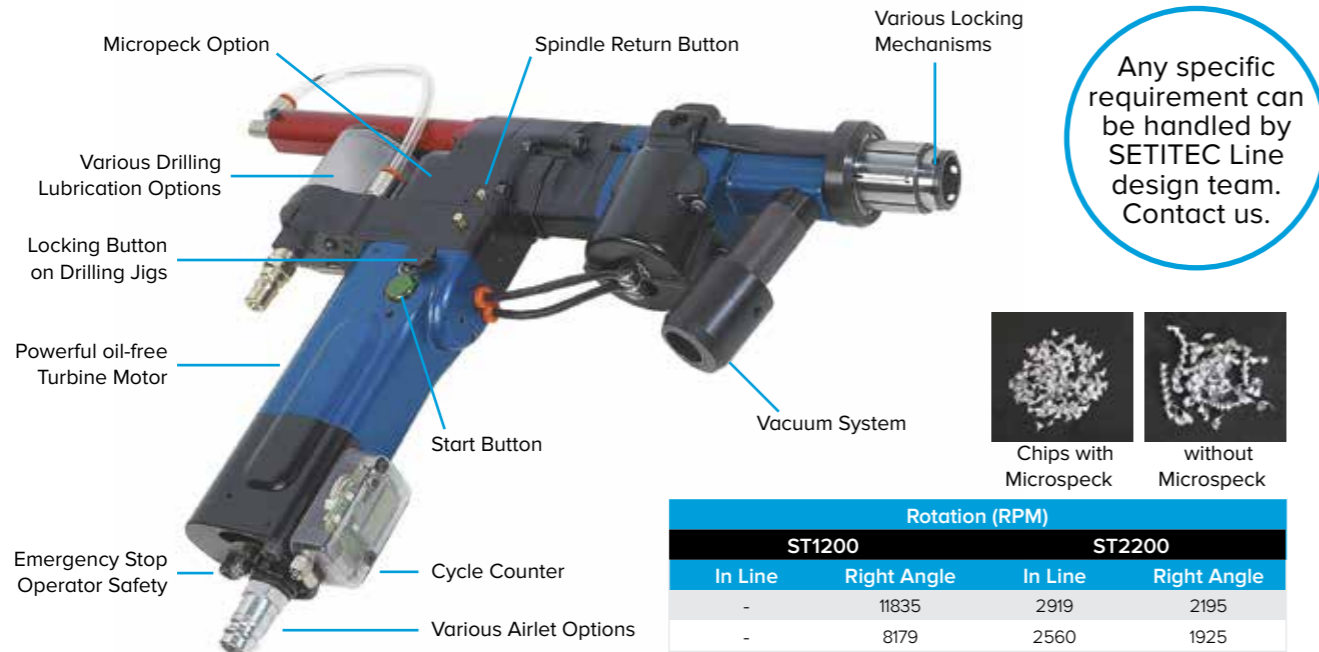
Drilling, Reaming & Cutting

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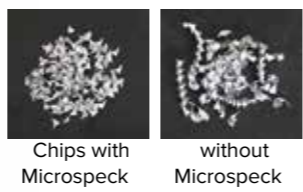
Desoutter Automatic Drilling Unit

The SETITEC line offers best in class performance, quality and reliability for the most demanding drilling applications worldwide. They have already been adopted by all major Aircraft manufacturers worldwide.

Dedicated to highly demanding drilling, reaming, countersinking applications, where quality, precision and repeatability are critical, its innovative design make one step drilling, reaming, countersinking possible, and will help driving down your cycle time. The modular design and the wide variety of clamping options will suit most of your applications.



Any specific requirement can be handled by SETITEC Line design team. Contact us.



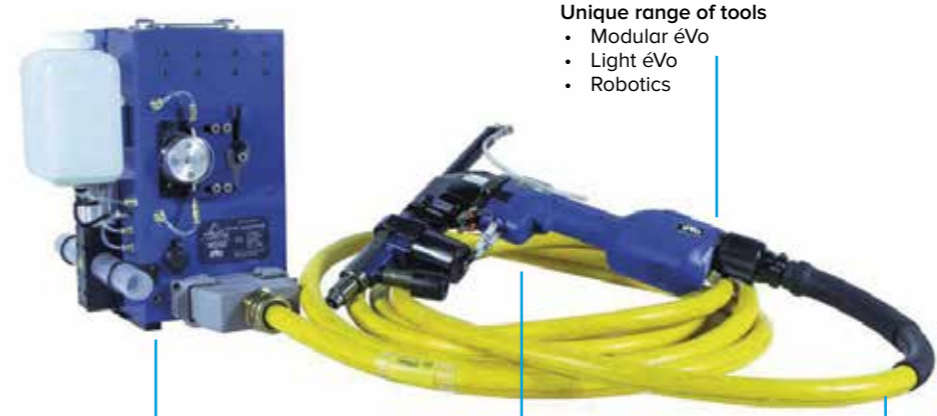
	ST1200	ST2200
Power	2.8 HP, with torque limiter at lower speed	
Weight	1.5kg (3.3 lb)	4.2kg (9.2lb)
Stroke	Unlimited	Unlimited
Feed Rate	0.010 mm/rev	0.032 mm/rev
	0.021 mm/rev	0.047 mm/rev
	0.038 mm/rev	0.059 mm/rev
	0.058 mm/rev	0.095 mm/rev
	0.077 mm/rev	0.120 mm/rev
	0.095 mm/rev	0.146 mm/rev
	0.115 mm/rev	0.182 mm/rev
	0.154 mm/rev	0.200 mm/rev
	0.350 mm/rev	0.315 mm/rev

Rotation (RPM)			
ST1200		ST2200	
In Line	Right Angle	In Line	Right Angle
-	11835	2919	2195
-	8179	2560	1925
-	6543	1717	1291
-	6543	1216	915
-	6000	2017	1517
5550	4674	1770	1331
3514	2959	1187	892
2811	2367	841	632
2428	2045	1614	1214
2008	1691	1416	1065
1943	1636	949	714
1554	1309	672	506
1388	1168	730	549
1110	935	640	481
878	740	429	323
793	668	304	229
703	592	584	439
562	473	512	385
502	423	343	258
402	338	243	183
287	242	174	131

Hole Diameter	Aluminium Composite		Titanium Hard Metal	
	Straight Hole	Countersink Hole	Straight Hole	Countersink Hole
< 4,8mm - 3/16"				
< 6,35mm - 1/4"				
< 7,9mm - 5/16"				
< 9,5mm - 3/8"	ST1200			
< 11,1mm - 7/16"				
< 12,7mm - 1/2"				
< 14,3mm - 9/16"				
< 15,9mm - 5/8"				
< 19,5mm - 3/4"				
< 22,2mm - 7/8"	ST2200	ST2200	ST2200	ST2200
< 25,4mm - 1"				
> 25,4mm - 1"				

	Concentric Collet	Bayonet 1/4 Turn	Croco Clamp	Jack Clamp	Template Foot	Crow-foot
Thick jig	ST1200 ST2200					
Thick jig with rail or screws		ST1200 ST2200				ST1200 ST2200
Thin jig			ST1200	ST1200	ST1200	
No jig (pre-hole)			ST1200	ST1200	ST1200	

Desoutter SETITEC éVo



- Unique range of tools**
- Modular éVo
 - Light éVo
 - Robotics

- Software suite**
- Create and optimize your drilling cycle
 - Setup your tool
 - Setup your maintenance strategy
 - Live visualization of drilling operation

- Full speed range coverage**
- Patented winch system, to cover high speed & high torque applications

- Display**
- Tool/head/drilling cycle information
 - Operator feedback

- Robust and Powerful Motors**
- 2 independent motors for speed & feed

- Control box**
- Open architecture
 - Drilling cycle storage
 - Drilling curves storage
 - Ready for network integration
 - Drilling management of robotics applications

- Heads & Equipments**
- Wide range of heads & equipments covering all drilling applications
 - Full modularity between pneumatic & electric range

- Multi Energy Cable**
Robust and flexible cable for:
- Lubrication
 - Power
 - Air
 - Data



Head	Right Angle	In-Line
Small		
Large		
X Large		

mm	Hole Diameter			
	Ø 4.0 to 6.4	Ø 6.4 to 12.7	Ø 12.7 to 25.4	> Ø 25.4
inch	Ø 4/32" to 1/4"	Ø 5/16" to 1/2"	Ø 1/2" to 1"	> Ø 1"
Alu / Alu	Light	Light	Modular	Modular
CFRP / CFRP	Light	Light	Modular	Modular
CFRP / Alu	Light	Light	Modular	Modular
Stack Titanium & Hard Metal	Light	Modular	Modular	Modular

Hole Diameter	mm	inch	Straight Hole		Countersink Hole	
			Alu/CFRP	Titanium/Hard Metal	Alu/CFRP	Titanium/Hard Metal
<4,8	<3/16"					Small
<6,35	<1/4"					
<7,9	<5/16"					
<9,5	<3/8"					Small + GEAR
<11,1	<7/16"					
<12,7	<12,7"					
<14,3	<14,3"					
<15,9	<15,9"					
<19,05	<19,05"		Small + GEAR	Large / GEAR	Large / GEAR	
<22,2	<22,2"					
<25,4	<25,4"		Large / GEAR	X Large	X Large	X Large
>25,4	>25,4"					

DRILLING, REAMING & CUTTING

DRILLING, REAMING & CUTTING

Desoutter XPB

The aerospace world is transforming from the design phase to the production shopfloor. Robotic solutions, digitalized instructions, augmented reality are now used on a daily basis in all the aerospace plants worldwide.

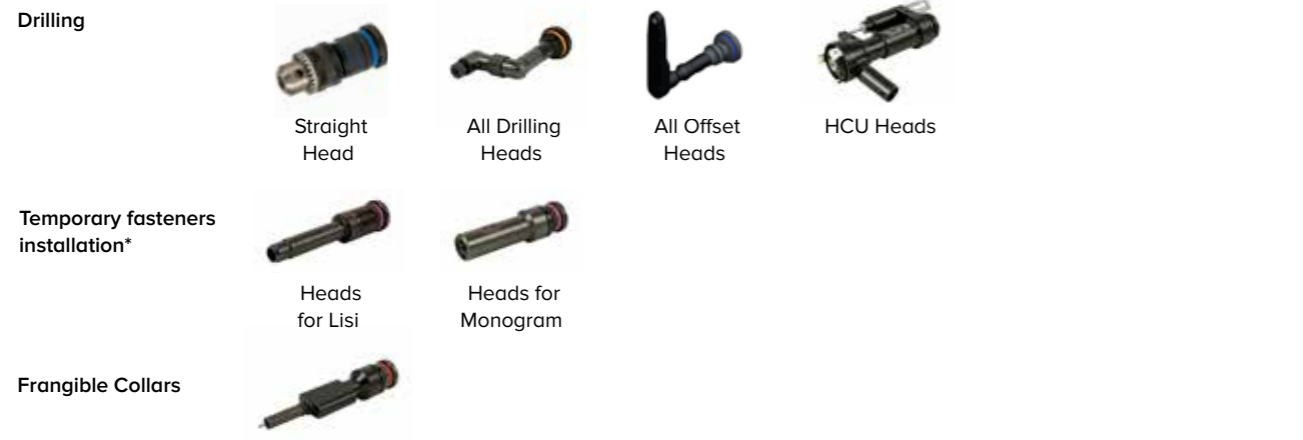
Aerospace players deserve the most advanced technologies, and are looking at solutions to increase their flexibility, up-time & productivity.

As aerospace experts, Desoutter & SETITEC have designed a platform taking manual operation to an advanced level while satisfying today's and tomorrow's most demanding challenges.














- XPB One**
 - Drilling applications only
 - Speeds adjustable via software
- XPB Advanced**
 - Drilling applications only
 - Display screen
 - Up to 6 drilling cycles
- XPB Modular**
 - Multi applications
 - Automatic cycle selection via RFID technology

Multi-applications heads



Desoutter Drill Selection Guide

Tool Type	FREE SPEED	titanium	stainless STEEL	hard cast iron, MEDIUM HARD STEEL	soft cast iron, MILD STEEL	HARD PLASTICS	aluminium, brass, copper, bronze	composite	wood, soft plastics, chipboard
	rpm Drill ø mm		9-15m/min	10-20m/min	20-35m/min	30-40m/min	50-80m/min	50-100m/min	80-120m/min
STRAIGHT CASE									
DR300-T	20000							4.0 (5/32")	2.0 (5/64")
ø 8-10 mm (5/16" - 3/8") cap.	5500						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4500					3.0 (1/8")	6.0 (1/4")		8.0 (5/16")
	3000				4.0 (5/32")	5.0 (3/16")	8.0 (5/16")		
	2000		3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")			
	1000	3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")				
	550	6.0 (1/4")	8.0 (5/16")						
30°, 45°, 90°, 360° COMPACT HEAD									
DR300-QR/-T5-S5	5500	-	-	-	-	3.0 (1/8")	5.0 (3/16")	5.0 (3/16")	5.0 (3/16")
	4500	-	-	-	-	3.0 (1/8")	5.0 (3/16")	5.0 (3/16")	5.0 (3/16")
	3000	3	-	-	3.0 (1/8")	2	5.0 (3/16")	5.0 (3/16")	-
	2000	-	3.0 (1/8")	4.0 (5/32")	5.0 (3/16")	-	-	-	-
	1000	-	4.0 (5/32")	5.0 (3/16")	-	-	-	-	-
45°, 90°, 360° STANDARD HEAD									
DR300-QR/-T6-S6	5500	-	-	-	-	3.0 (1/8")	6.0 (1/4")	5.0 (3/16")	6.5 (1/4")
	4500	-	-	-	-	3.0 (1/8")	6.0 (1/4")	5.0 (3/16")	6.5 (1/4")
	3000	-	-	-	3.0 (1/8")	5.0 (3/16")	6.5 (1/4")	6.5 (1/4")	-
	2000	-	3.0 (1/8")	4.0 (5/32")	6.5 (1/4")	6.5 (1/4")	-	6.5 (1/4")	-
	1000	-	4.0 (5/32")	6.0 (1/4")	6.5 (1/4")	-	-	-	-
	550	6.0 (1/4")	6.5 (1/4")	6.5 (1/4")	-	-	-	-	-
DR450-T6/S6	18500	-	-	-	-	-	-	4.0 (5/32")	2.0 (5/64")
ø 8-13 mm (5/16" - 1/2") cap.	5800	-	-	-	-	-	4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4300	-	-	-	-	3.0 (1/8")	6.0 (1/4")	10.0 (13/32")	12.0 (1/2")
	2700	-	-	3.0 (1/8")	4.0 (5/32")	5.0 (3/16")	8.0 (5/16")	12.0 (1/2")	-
	1800	-	3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")	-	-
	1400	-	4.0 (5/32")	5.0 (3/16")	9.0 (11/32")	11.0 (7/16")	-	-	-
90° HEAVY DUTY									
DR300-THD/SHD	2000	-	3.0 (1/8")	3.0 (1/8")	6.0 (1/4")	8.0 (5/16")	8.0 (5/16")	8.0 (5/16")	8.0 (5/16")
	900	-	7.0 (9/32")	8.0 (5/16")	8.0 (5/16")	-	-	-	-
DR450-THD/SHD	2000	-	3.0 (1/8")	3.0 (1/8")	6.0 (1/4")	6.5 (1/4")	6.5 (1/4")	6.5 (1/4")	6.5 (1/4")
	900	-	7.0 (9/32")	8.0 (5/16")	8.0 (5/16")	-	-	-	-
	600	-	8.0 (5/16")	10.0 (13/32")	10.0 (13/32")	8.0 (5/16")	-	-	-
PISTOL GRIP									
DR350	20000							4.0 (5/32")	2.0 (5/64")
ø 8-10 mm (5/16" - 3/8") cap.	5500						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4500					3.0 (1/8")	6.0 (1/4")		8.0 (5/16")
	3000				4.0 (5/32")	5.0 (3/16")	8.0 (5/16")		
	2000		3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")		
	1000		4.0 (5/32")	6.0 (1/4")	8.0 (5/16")				
	550	6.0 (1/4")	8.0 (5/16")						
DR500	18500							4.0 (5/32")	2.0 (5/64")
ø 8-13 mm (5/16" - 1/2") cap.	5800						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4300					3.0 (1/8")	6.0 (1/4")	10.0 (13/32")	12.0 (1/2")
	2700			3.0 (1/8")	4.0 (5/32")	5.0 (3/16")	8.0 (5/16")	12.0 (1/2")	
	1800		3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")		
	1400		4.0 (5/32")	5.0 (3/16")	9.0 (11/32")	11.0 (7/16")			
	1000		5.0 (3/16")	6.0 (1/4")	10.0 (13/32")				
	600	3.0 (1/8")	7.0 (9/32")	8.0 (5/16")	12.0 (1/3")				
	400	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")					
DR750	20000							2.0 (5/64")	2.0 (5/64")
ø 8-13 mm (5/16" - 1/2") cap.	6000						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4100					3.0 (1/8")	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")
	3300				3.0 (1/8")	4.0 (5/32")	8.0 (5/16")	10.0 (13/32")	12.0* (1/2")
	2700			3.0 (1/8")	4.0 (5/32")	5.0 (3/16")	10.0 (13/32")	13.0* (1/2")	15.0* (19/32")
	1300		4.0 (5/32")	5.0 (3/16")	9.0 (11/32")	11.0* (7/16")	19.0* (3/4")		30.0* (13/16")
	750	3.0 (1/8")	7.0 (9/32")	8.0 (5/16")	15.0* (19/32")	19.0* (3/4")	30.0* (13/16")		
	400	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")					

* above standard chuck capacity

DRILLING, REAMING & CUTTING

DRILLING, REAMING & CUTTING

DESOUTTER QUICK-RELEASE MULTIDRILLS



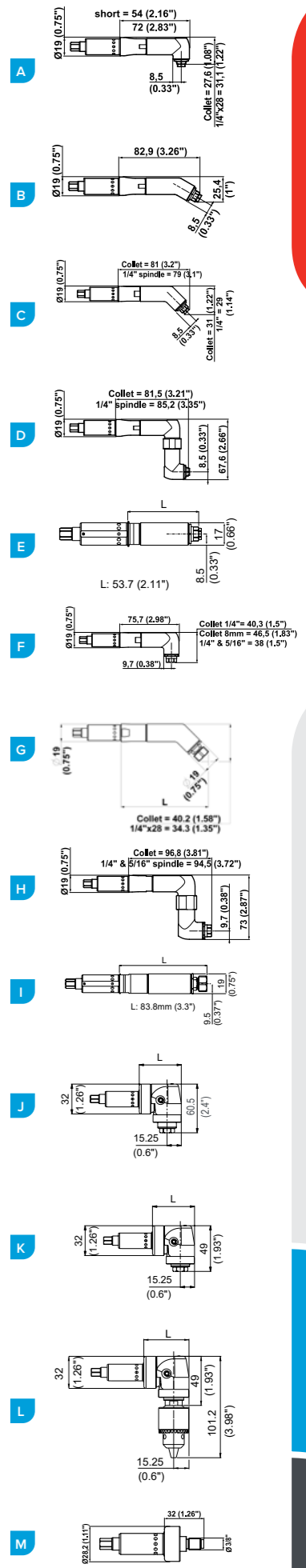
Model	Part No.	Pic Ref	Free Speed rpm	Motor Power W	Motor Power hp	Weight kg	Weight lb	Length mm	Length in.	Air Flow l/s	Air Inlet cfm	Air Inlet in.	Hose int. mm	Hose int. in.
Multi-Drills – Pistol														
DR350-P5500-QR	205 147 984 4	A	5500	350	0.5	0.50	1.10	169	6.65	9.5	20	1/4	6	1/4
DR350-P4500-QR	205 147 983 4	A	4500	350	0.5	0.50	1.10	169	6.65	9.5	20	1/4	6	1/4
DR350-P3000-QR	205 147 528 4	A	3000	350	0.5	0.50	1.10	169	6.65	9.5	20	1/4	6	1/4
DR350-P1000-QR	205 147 981 4	A	1000	350	0.5	0.58	1.27	187	7.36	9.5	20	1/4	6	1/4
DR500-P5800-QR	615 176 190 0	B	5800	500	0.68	0.58	1.25	174	6.85	14	30	1/4	6	1/4
DR500-P4300-QR	615 176 189 0	B	4300	500	0.68	0.58	1.25	174	6.85	14	30	1/4	6	1/4
DR500-P2700-QR	615 176 188 0	B	2700	500	0.68	0.58	1.25	174	6.85	14	30	1/4	6	1/4
DR500-P1800-QR	615 176 187 0	B	1800	500	0.68	0.66	1.45	188	7.40	14	30	1/4	6	1/4
DR500-P1400-QR	615 176 186 0	B	1400	500	0.68	0.66	1.45	188	7.40	14	30	1/4	6	1/4
DR500-P1000-QR	615 176 185 0	B	1000	500	0.68	0.66	1.45	188	7.40	14	30	1/4	6	1/4

Other speed on request (550, 2000 & 4500 rpm)

Model	Part No.	Pic Ref	Free Speed rpm	Motor Power W	Motor Power hp	Weight kg	Weight lb	Length mm	Length in.	Air Flow l/s	Air Inlet cfm	Air Inlet in.	Hose int. mm	Hose int. in.
Multi-Drills – Straight														
DR300-T5500-QR	615 176 071 0	C	5500	300	0.4	0.52	1.14	179	7.05	9.5	20	1/4	6	1/4
DR300-T4500-QR	615 176 070 0	C	4500	300	0.4	0.52	1.14	179	7.05	9.5	20	1/4	6	1/4
DR300-T3000-QR	615 176 069 0	C	3000	300	0.4	0.52	1.14	179	7.05	9.5	20	1/4	6	1/4
DR300-T2000-QR	615 176 068 0	C	2000	300	0.4	0.52	1.14	179	7.05	9.5	20	1/4	6	1/4
DR300-T1000-QR	615 176 067 0	C	1000	300	0.4	0.61	1.34	195.5	7.7	9.5	20	1/4	6	1/4
DR300-T1000-QR - BRB	615 176 118 0	C	1000	300	0.4	0.64	1.41	217.8	8.57	9.5	20	1/4	6	1/4
DR300-T550-QR	615 176 066 0	C	550	300	0.4	0.61	1.34	195.5	7.7	9.5	20	1/4	6	1/4
DR450-T5800-QR	615 176 162 0	D	5800	450	0.6	0.64	1.41	193	7.60	14	30	1/4	6	1/4
DR450-T4300-QR	615 176 161 0	D	4300	450	0.6	0.64	1.41	193	7.60	14	30	1/4	6	1/4
DR450-T2700-QR	615 176 160 0	D	2700	450	0.6	0.64	1.41	193	7.60	14	30	1/4	6	1/4
DR450-T1800-QR	615 176 159 0	D	1800	450	0.6	0.72	1.58	207	8.15	14	30	1/4	6	1/4
DR450-T1400-QR	615 176 158 0	D	1400	450	0.6	0.72	1.58	207	8.15	14	30	1/4	6	1/4
DR450-T1000-QR	615 176 157 0	D	1000	450	0.6	0.72	1.58	207	8.15	14	30	1/4	6	1/4

DESOUTTER QUICK-RELEASE HEADS

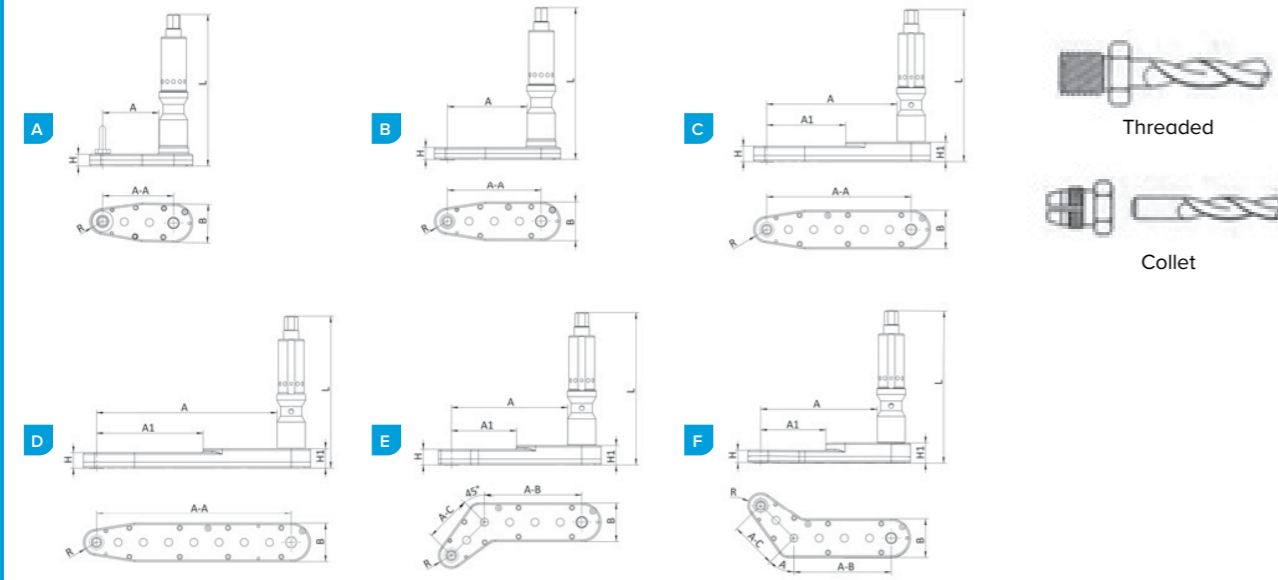
Part No.	Description	Pic Ref	Length mm	Length in.	Collet max. Capacity mm	Collet max. Capacity in.	Weight kg	Weight lb
Compact Angle Heads								
205 053 981 3	Short Compact 90° angle head Collet spindle	A	54.0	2.13	5.0	3/16	0.15	0.33
205 050 331 3	Compact 90° angle head Collet spindle	A	72.0	2.83	5.0	3/16	0.17	0.37
205 050 332 3	Compact 90° angle head 1/4" x 28 spindle	A	72.0	2.83	-	-	0.17	0.37
205 050 329 3	Compact 30° angle head Collet spindle	B	82.9	3.26	5.0	3/16	0.17	0.37
205 050 330 3	Compact 30° angle head 1/4" x 28 spindle	B	82.9	3.26	-	-	0.17	0.37
205 050 335 3	Compact 45° angle head Collet spindle	C	81.0	3.19	5.0	3/16	0.17	0.37
205 050 336 3	Compact 45° angle head 1/4" x 28 spindle	C	79.0	3.11	-	-	0.17	0.37
205 050 333 3	Compact 360° angle head Collet spindle	D	81.5	3.21	5.0	3/16	0.25	0.55
205 050 334 3	Compact 360° angle head 1/4" x 28 spindle	D	85.2	3.35	-	-	0.25	0.55
615 399 569 5	Short compact straight head Collet spindle	E	53.7	2.11	5.0	3/16	0.14	0.31
615 399 570 5	Short compact straight head 1/4"x28 Spindle	E	53.7	2.11	-	-	0.14	0.31
615 399 571 5	Compact straight head Collet spindle	E	71.7	2.82	5.0	3/16	0.16	0.35
615 399 572 5	Compact straight head 1/4"x28 Spindle	E	71.7	2.82	-	-	0.16	0.35
Standard Angle Heads								
205 050 338 3	Standard 90° angle head Collet spindle	F	75.7	2.98	6.4	1/4	0.23	0.51
205 050 353 3	Standard 90° angle head Collet spindle	F	75.7	2.98	8.0	5/16	0.23	0.51
205 050 339 3	Standard 90° angle head 1/4" x 28 spindle	F	75.7	2.98	-	-	0.24	0.53
205 050 340 3	Standard 90° angle head 5/16" x 24 spindle	F	75.7	2.98	-	-	0.23	0.51
615 398 702 5	Standard 45° angle head Collet spindle	G	90.7	3.57	6.4	1/4	0.23	0.51
615 398 704 5	Standard 45° angle head 1/4" x 28 spindle	G	87.9	3.46	-	-	0.23	0.51
205 050 341 3	Standard 360° angle head Collet spindle	H	96.8	3.81	6.4	1/4	0.32	0.70
205 050 342 3	Standard 360° angle head 1/4" x 28 spindle	H	94.5	3.72	-	-	0.32	0.70
205 050 343 3	Standard 360° angle head 5/16" x 24 spindle	H	94.5	3.72	-	-	0.32	0.70
615 399 573 5	Standard straight head Collet spindle	I	83.8	3.3	6.4	1/4	0.2	0.44
615 399 574 5	Standard straight head 1/4"x28 Spindle	I	83.8	3.3	-	-	0.2	0.44
Heavy Duty heads								
615 399 575 5	Heavy Duty 90° head Collet spindle	J	48.8	1.92	8	5/16	0.31	0.68
615 399 576 5	Heavy Duty 90° head 1/4"x28 Spindle	K	48.8	1.92	-	-	0.3	0.66
615 399 577 5	Heavy Duty 90° head Chuck output	L	48.8	1.92	-	-	0.43	0.95
Straight head								
205 050 543 3	Chuck mounting 3/8" x 24	M	32.0	1.26	-	-	0.25	0.55



OPTIONAL ACCESSORIES

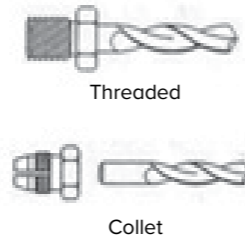
1	2	4	3
Part No.	Description	Ref	
205 050 299 3	Short lever	1	
615 399 266 0	Start button	2	
615 399 265 0	Side handle	3	
205 055 272 3	Keyed chuck C6 - 3/8"x24 (Cap. 0.5 to 6.5mm)		
205 053 013 3	Keyed chuck C8 - 3/8"x24 (Cap. 0.5 to 8mm)		
268263	Flat wrenches 8-9.5mm for Angle heads C, D, E & F		
615 399 313 0	Kit silencer NPT	4	
615 399 311 0	Kit silencer BSP	4	
615 399 312 0	Kit Bumper	4	

DESOUTTER DRILLING OFFSET HEADS



Model		Ref	Drilling	Max	H	H1	A	A1	A-A	A-B	A-C	B	R	L	Angle										
Thread	Thread	Pic	Direction	Capacity	mm	in	mm	in	mm	in	mm	in	mm	in	mm										
DB13S2-CP2	DB13S3-CP2	A	Backward	5.0 3/16"	75	0.29	-	-	376	148	-	-	46.8	184	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB13S2-CP6	DB13S3-CP6	A	Backward	5.0 3/16"	79	0.30	-	-	376	148	-	-	46.8	184	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB23S2-CP2	DB23S3-CP2	A	Backward	6.35 1/4"	100	0.39	-	-	376	148	-	-	46.8	184	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB23S2-CP6	DB23S3-CP6	A	Backward	6.35 1/4"	100	0.39	-	-	376	148	-	-	46.8	184	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB33S2-CP2	DB33S3-CP2	A	Backward	8.0 5/16"	126	0.49	-	-	376	148	-	-	46.8	184	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB33S2-CP6	DB33S3-CP6	A	Backward	8.0 5/16"	126	0.49	-	-	376	148	-	-	46.8	184	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB04S2-CP	-	B	Forward	5.0 3/16"	75	0.29	-	-	32.2	126	-	-	42.7	168	-	-	16.0	0.62	75	0.29	95.4	3.75	-		
DB14S2-CP2	DB14S3-CP2	B	Forward	5.0 3/16"	79	0.30	-	-	52.7	207	-	-	61.9	243	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB14S2-CP6	DB14S3-CP6	B	Forward	5.0 3/16"	75	0.29	-	-	52.7	207	-	-	61.9	243	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB24S2-CP2	DB24S3-CP2	B	Forward	6.35 1/4"	100	0.39	-	-	52.7	207	-	-	61.9	243	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB24S2-CP6	DB24S3-CP6	B	Forward	6.35 1/4"	100	0.39	-	-	52.7	207	-	-	61.9	243	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB34S2-CP2	DB34S3-CP2	B	Forward	8.0 5/16"	126	0.49	-	-	52.7	207	-	-	61.9	243	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB34S2-CP6	DB34S3-CP6	B	Forward	8.0 5/16"	126	0.49	-	-	52.7	207	-	-	61.9	243	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB06S2-CP	-	C	Forward	5.0 3/16"	75	0.29	75	0.29	54.1	213	-	-	64.7	254	-	-	16.0	0.62	75	0.29	95.4	3.75	-		
DB16S2-CP2	DB16S3-CP2	C	Forward	5.0 3/16"	79	0.30	12.6	0.49	86.0	338	52.1	2.05	95.3	375	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB16S2-CP6	DB16S3-CP6	C	Forward	5.0 3/16"	79	0.30	12.6	0.49	86.0	338	52.1	2.05	95.3	375	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB26S2-CP2	DB26S3-CP2	C	Forward	6.35 1/4"	100	0.39	12.6	0.49	86.0	338	52.1	2.05	95.3	375	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB26S2-CP6	DB26S3-CP6	C	Forward	6.35 1/4"	100	0.39	12.6	0.49	86.0	338	52.1	2.05	95.3	375	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB36S2-CP2	DB36S3-CP2	C	Forward	8.0 5/16"	126	0.49	12.6	0.49	86.0	338	-	-	95.3	375	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB36S2-CP6	DB36S3-CP6	C	Forward	8.0 5/16"	126	0.49	12.6	0.49	86.0	338	-	-	95.3	375	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB08S2-CP	-	D	Forward	5.0 3/16"	75	0.29	75	0.29	76.0	299	-	-	86.6	340	-	-	16.0	0.62	75	0.29	95.4	3.75	-		
DB18S2-CP2	DB18S3-CP2	D	Forward	5.0 3/16"	79	0.30	12.6	0.49	119.3	469	70.4	2.77	128.6	506	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB18S2-CP6	DB18S3-CP6	D	Forward	5.0 3/16"	79	0.30	12.6	0.49	119.3	469	70.4	2.77	128.6	506	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB28S2-CP2	DB28S3-CP2	D	Forward	6.35 1/4"	100	0.39	12.6	0.49	119.3	469	70.4	2.77	128.6	506	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB28S2-CP6	DB28S3-CP6	D	Forward	6.35 1/4"	100	0.39	12.6	0.49	119.3	469	70.4	2.77	128.6	506	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB38S2-CP2	DB38S3-CP2	D	Forward	8.0 5/16"	126	0.49	12.6	0.49	119.3	469	-	-	128.6	506	-	-	25.4	1	85	0.33	99.9	3.93	-		
DB38S2-CP6	DB38S3-CP6	D	Forward	8.0 5/16"	126	0.49	12.6	0.49	119.3	469	-	-	128.6	506	-	-	25.4	1	85	0.33	178.8	7.03	-		
DB06R2-CP	-	E	Forward	5.0 3/16"	75	0.29	75	0.29	46.5	183	-	-	-	-	43.3	1.70	21.4	0.84	16.0	0.62	75	0.29	95.4	3.75	50°
DB16R2-CP2	DB16R3-CP2	E	Forward	5.0 3/16"	79	0.30	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	99.9	3.93	45°
DB16R2-CP6	DB16R3-CP6	E	Forward	5.0 3/16"	79	0.30	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	178.8	7.03	45°
DB26R2-CP2	DB26R3-CP2	E	Forward	6.35 1/4"	100	0.39	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	99.9	3.93	45°
DB26R2-CP6	DB26R3-CP6	E	Forward	6.35 1/4"	100	0.39	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	178.8	7.03	45°
DB36R2-CP2	DB36R3-CP2	E	Forward	8.0 5/16"	126	0.49	12.6	0.49	76.9	302	-	-	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	99.9	3.93	45°
DB36R2-CP6	DB36R3-CP6	E	Forward	8.0 5/16"	126	0.49	12.6	0.49	76.9	302	-	-	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	178.8	7.03	45°
DB06L2-CP	-	F	Forward	5.0 3/16"	75	0.29	75	0.29	47.0	185	-	-	-	-	43.3	1.70	21.4	0.84	16.0	0.62	75	0.29	95.4	3.75	50°
DB16L2-CP2	DB16L3-CP2	F	Forward	5.0 3/16"	79	0.30	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	99.9	3.93	45°
DB16L2-CP6	DB16L3-CP6	F	Forward	5.0 3/16"	79	0.30	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	178.8	7.03	45°
DB26L2-CP2	DB26L3-CP2	F	Forward	6.35 1/4"	100	0.39	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	99.9	3.93	45°
DB26L2-CP6	DB26L3-CP6	F	Forward	6.35 1/4"	100	0.39	12.6	0.49	76.9	302	43.1	1.69	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	178.8	7.03	45°
DB36L2-CP2	DB36L3-CP2	F	Forward	8.0 5/16"	126	0.49	12.6	0.49	76.9	302	-	-	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	99.9	3.93	45°
DB36L2-CP6	DB36L3-CP6	F	Forward	8.0 5/16"	126	0.49	12.6	0.49	76.9	302	-	-	-	-	64.3	2.53	31.0	1.22	25.4	1	85	0.33	178.8	7.03	45°

Output



COLLETS FOR ANGLE HEADS: C, D, E & F (30°, 45°, 90° & 360°) AND COMPACT ANGLE DRILLS DR300-T5

Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.
ø 0.8mm	2152	ø 1.8mm	2252	ø 2.8mm	2352	ø 3.8mm	2452	ø 4.8mm	2552
ø 0.9mm	2162	ø 1.9mm	2262	ø 2.9mm	2362	ø 3.9mm	2462	ø 4.9mm	2562
ø 1.0mm	2172	ø 2.0mm	2272	ø 3.0mm	2372	ø 4.0mm	2472	ø 5.0mm	2572
ø 1.1mm	2182	ø 2.1mm	2282	ø 3.1mm	2382	ø 4.1mm	2482		
ø 1.2mm	2192	ø 2.2mm	2292	ø 3.2mm	2392	ø 4.2mm	2492	ø 1/16"	91442
ø 1.3mm	2202	ø 2.3mm	2302	ø 3.3mm	2402	ø 4.3mm	2502	ø 3/32"	91452
ø 1.4mm	2212	ø 2.4mm	2312	ø 3.4mm	2412	ø 4.4mm	2512	ø 1/8"	91462
ø 1.5mm	2222	ø 2.5mm	2322	ø 3.5mm	2422	ø 4.5mm	2522	ø 5/32"	91472
ø 1.6mm	2232	ø 2.6mm	2332	ø 3.6mm	2432	ø 4.6mm	2532	ø 1/64"	108172
ø 1.7mm	2242	ø 2.7mm	2342	ø 3.7mm	2442	ø 4.7mm	2542	ø 3/16"	91482



COLLETS FOR ANGLE HEADS: G, H & J (45°, 90°, 360°) AND STANDARD ANGLE DRILLS DR300-T6

Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.
ø 1.6mm (1/16")	18922	ø 3.0mm	18992	ø 4.4mm (1/16")	19072	ø 5.8mm	19152
ø 1.8mm	18932	ø 3.2mm (1/8")	19002	ø 4.6mm	19082	ø 6.0mm (15/64")	19162
ø 2.0mm (5/64")	18942	ø 3.4mm	19022	ø 4.8mm (3/16")	19092	ø 6.2mm	19172
ø 2.2mm	18952	ø 3.6mm (9/64")	19032	ø 5.0mm	19102	ø 6.4mm (1/4")	19182
ø 2.4mm	18962	ø 3.8mm	19042	ø 5.2mm (13/64")	19122		
ø 2.6mm	18972	ø 4.0mm (5/32")	19052	ø 5.4mm	19132		
ø 2.8mm (7/64")	18982	ø 4.2mm	19062	ø 5.6mm (7/32")	19142		

Each collet covers 0.2mm capacity.
Example: P/N 19092 covers from 4.6 to 4.8mm



COLLETS FOR ANGLE HEAD: P.N. 205 050 353 3

Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.
ø 2.0mm	615 526 066 0	ø 4.0mm	615 526 071 0	ø 5.9mm	615 526 078 0	ø 7.5mm	615 526 084 0
ø 2.4mm	615 526 067 0	ø 4.5mm	615 526 073 0	ø 6.0mm	615 526 079 0	ø 7.7mm	615 526 085 0
ø 2.5mm	615 526 068 0	ø 5.0mm	615 526 075 0	ø 6.3mm	615 526 080 0	ø 7.9mm	615 526 087 0
ø 3.0mm	615 526 069 0	ø 5.2mm	615 526 076 0	ø 6.5mm	615 526 081 0	ø 8.0mm	615 526 088 0
ø 3.5mm	615 526 070 0	ø 5.5mm	615 526 077 0	ø 7.0mm	615 526 083 0		

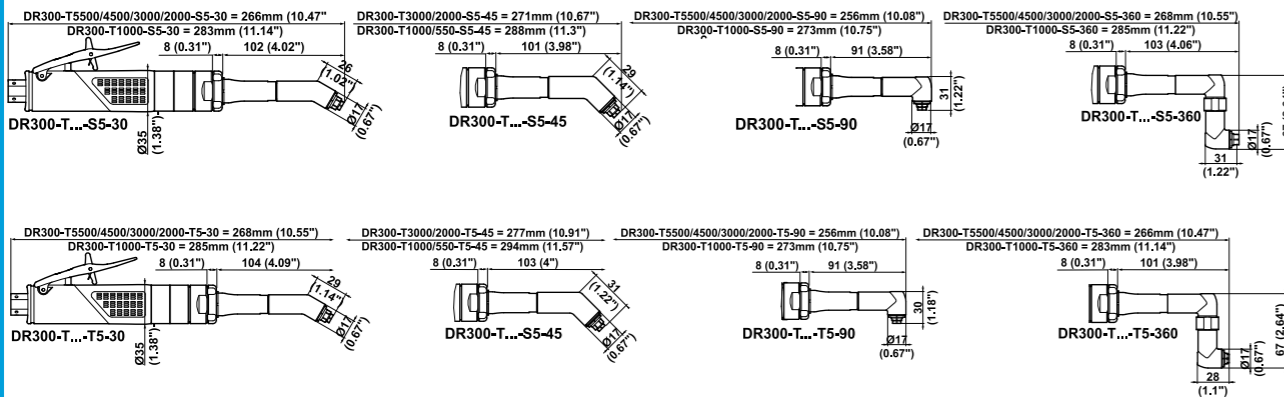


COLLET FOR HEAVY DUTY ANGLE DRILLS DR300-THD.. – MAXIMUM CAPACITY: 8 MM (5/16")

Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.	Collet Capacity	Part No.
ø 2.4mm (3/32")	2592	ø 4.0mm (5/32")	2672	ø 5.6mm	2752	ø 7.2mm	2832
ø 2.6mm	2602	ø 4.2mm	2682	ø 5.8mm	2762	ø 7.4mm	2842
ø 2.8mm (7/64")	2612</						

DESOUTTER COMPACT ANGLE DRILLS – COLLET TYPE

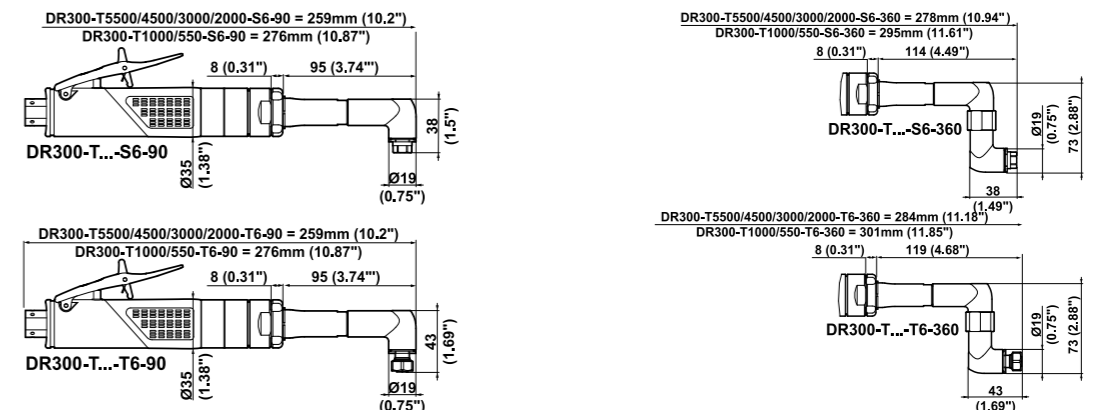
Compact Head - Max capacity: 5mm (3/16")
Collet & 1/4" x 28 Spindle



Model	Part No.	Pic Ref	Model	Part No.	Free Speed rpm	Motor Power W	Motor Power HP	Weight kg	Weight lb
30° – COLLET SPINDLE					30° – 1/4" x 28 SPINDLE				
Max. capacity: 5mm (3/16")									
DR300-T5500-T5-30	615 176 077 0	A	DR300-T5500-S5-30	615 176 133 0	5500	300	0.4	0.66	1.45
DR300-T4500-T5-30	615 176 076 0	A	DR300-T4500-S5-30	615 176 132 0	4500	300	0.4	0.66	1.45
DR300-T3000-T5-30	615 176 074 0	A	DR300-T3000-S5-30	615 176 075 0	3000	300	0.4	0.66	1.45
DR300-T3000-T5-30 - BRB*	615 176 119 0	A			3000	300	0.4	0.66	1.45
DR300-T2000-T5-30	615 176 073 0	A	DR300-T2000-S5-30	615 176 131 0	2000	300	0.4	0.66	1.45
DR300-T1000-T5-30	615 176 072 0	A	DR300-T1000-S5-30	615 176 130 0	1000	300	0.4	0.76	1.67
45° – COLLET SPINDLE					45° – 1/4" x 28 SPINDLE				
Max. capacity: 5mm (3/16")									
DR300-T5500-T5-45	615 176 096 0	B	DR300-T5500-S5-45	615 176 146 0	5500	300	0.4	0.67	1.47
DR300-T4500-T5-45	615 176 095 0	B	DR300-T4500-S5-45	615 176 145 0	4500	300	0.4	0.67	1.47
DR300-T3000-T5-45	615 176 093 0	B	DR300-T3000-S5-45	615 176 094 0	3000	300	0.4	0.67	1.47
DR300-T2000-T5-45	615 176 092 0	B	DR300-T2000-S5-45	615 176 144 0	2000	300	0.4	0.67	1.47
DR300-T1000-T5-45	615 176 091 0	B	DR300-T1000-S5-45	615 176 143 0	1000	300	0.4	0.76	1.67
DR300-T550-T5-45	615 176 090 0	B	DR300-T550-S5-45	615 176 142 0	550	300	0.4	0.76	1.67
90° – COLLET SPINDLE					90° – 1/4" x 28 SPINDLE				
Max. capacity: 5mm (3/16")									
DR300-T5500-T5-90	615 176 083 0	C	DR300-T5500-S5-90	615 176 137 0	5500	300	0.4	0.68	1.5
DR300-T4500-T5-90	615 176 082 0	C	DR300-T4500-S5-90	615 176 136 0	4500	300	0.4	0.68	1.5
DR300-T4500-T5-90 - BRB*	615 176 120 0	C			4500	300	0.4	0.68	1.5
DR300-T3000-T5-90	615 176 080 0	C	DR300-T3000-S5-90	615 176 081 0	3000	300	0.4	0.68	1.5
DR300-T2000-T5-90	615 176 079 0	C	DR300-T2000-S5-90	615 176 135 0	2000	300	0.4	0.68	1.5
DR300-T1000-T5-90	615 176 078 0	C	DR300-T1000-S5-90	615 176 134 0	1000	300	0.4	0.78	1.72
360° – COLLET SPINDLE					360° – 1/4" x 28 SPINDLE				
Max. capacity: 5mm (3/16")									
DR300-T5500-T5-360	615 176 089 0	D	DR300-T5500-S5-360	615 176 141 0	5500	300	0.4	0.74	1.63
DR300-T4500-T5-360	615 176 088 0	D	DR300-T4500-S5-360	615 176 140 0	4500	300	0.4	0.74	1.63
DR300-T3000-T5-360	615 176 086 0	D	DR300-T3000-S5-360	615 176 087 0	3000	300	0.4	0.74	1.63
DR300-T2000-T5-360	615 176 085 0	D	DR300-T2000-S5-360	615 176 139 0	2000	300	0.4	0.74	1.63
DR300-T1000-T5-360	615 176 084 0	D	DR300-T1000-S5-360	615 176 138 0	1000	300	0.4	0.84	1.85

DESOUTTER STANDARD ANGLE DRILLS – COLLET TYPE

Standard Head - Max capacity: 6.4mm (1/4")
Collet & 1/4" x 28 Spindle
All models: Air flow: 9.5 l/s (20 cfm) - Air inlet 1/4" - Hose int. 6 mm (1/4")



Model	Part No.	Pic Ref	Model	Part No.	Free Speed rpm	Motor Power W	Motor Power HP	Weight kg	Weight lb
90° – COLLET SPINDLE					90° – 1/4" x 28 SPINDLE				
Max. capacity: 6.4mm (1/4")									
DR300-T5500-T6-90	615 176 103 0	A	DR300-T5500-S6-90	615 176 151 0	5500	300	0.4	0.7	1.54
DR300-T4500-T6-90	615 176 102 0	A	DR300-T4500-S6-90	615 176 150 0	4500	300	0.4	0.7	1.54
DR300-T4500-T6-90 - BRB*	615 176 124 0	A	DR300-T3000-S6-90	615 176 101 0	3000	300	0.4	0.7	1.54
DR300-T3000-T6-90	615 176 100 0	A	DR300-T2000-S6-90	615 176 149 0	2000	300	0.4	0.7	1.54
DR300-T3000-T6-90 - BRB*	615 176 123 0	A	DR300-T1000-S6-90	615 176 148 0	1000	300	0.4	0.79	1.74
DR300-T2000-T6-90	615 176 099 0	A	DR300-T550-S6-90	615 176 147 0	550	300	0.4	0.79	1.74
DR300-T2000-T6-90 - BRB*	615 176 122 0	A			1000	300	0.4	0.82	1.81
DR300-T1000-T6-90	615 176 098 0	A			2000	300	0.4	0.72	1.59
DR300-T1000-T6-90 - BRB*	615 176 121 0	A			3000	300	0.4	0.72	1.59
DR300-T550-T6-90	615 176 097 0	A			4500	300	0.4	0.72	1.59
90° – COLLET SPINDLE					90° – 1/4" x 28 SPINDLE				
Max. capacity: 6.4mm (1/4")									
DR450-T5800-T6-90	615 176 167 0	B	DR450-T5800-S6-90	615 176 172 0	5800	450	0.6	0.76	1.67
DR450-T4300-T6-90	615 176 166 0	B	DR450-T4300-S6-90	615 176 171 0	4300	450	0.6	0.76	1.67
DR450-T2700-T6-90	615 176 165 0	B	DR450-T2700-S6-90	615 176 170 0	2700	450	0.6	0.76	1.67
DR450-T1800-T6-90	615 176 164 0	B	DR450-T1800-S6-90	615 176 169 0	1800	450	0.6	0.85	1.87
DR450-T1400-T6-90	615 176 163 0	B	DR450-T1400-S6-90	615 176 168 0	1400	450	0.6	0.85	1.87
360° – COLLET SPINDLE					360° – 1/4" x 28 SPINDLE				
Max. capacity: 5mm (3/16")									
DR300-T5500-T6-360	615 176 110 0	C	DR300-T5500-S6-360	615 176 156 0	5500	300	0.4	0.82	1.81
DR300-T4500-T6-360	615 176 109 0	C	DR300-T4500-S6-360	615 176 155 0	4500	300	0.4	0.82	1.81
DR300-T3000-T6-360	615 176 107 0	C	DR300-T3000-S6-360	615 176 108 0	3000	300	0.4	0.82	1.81
DR300-T3000-T6-360-BRB*	615 176 125 0	C	DR300-T2000-S6-360	615 176 154 0	2000	300	0.4	0.82	1.81
DR300-T2000-T6-360	615 176 106 0	C	DR300-T1000-S6-360	615 176 153 0	1000	300	0.4	0.91	2
DR300-T1000-T6-360	615 176 105 0	C	DR300-T550-S6-360	615 176 152 0	550	300	0.4	0.91	2
DR300-T550-T6-360	615 176 104 0	C			3000	300	0.4	0.72	1.59

DESOUTTER PISTOL GRIP DRILLS

All models DR350: Air Flow: 9.5 l/s (20 cfm) - Air Inlet 1/4" - Hose int. 6 mm (1/4") / * Chuck spindle 3/8" x 24 UNF

All models DR500: Air Flow: 14 l/s (30 cfm) - Air inlet: 1/4" - Hose int. 10 mm (3/8") / * Chuck spindle 3/8" x 24 UNF

All models DR750: Air Flow: 14 l/s (30 cfm) - Air inlet: 1/4" - Hose int. 10 mm (3/8") / Chuck spindle: * 3/8" x 24 UNF / **1/2" x 20 UNF



Color rings to identify your tools speed

Model	Part No.	Pic Ref	Model	Part No.	Free Speed rpm	Motor Power W	HP	Stall Torque Nm	in.lb	Weight w/o Chuck kg	lb	OAL (L) mm	in
DR350 – KEY CHUCK					DR350 – WITHOUT CHUCK								
DR350-P20000-C8	205 147 252 4	A	DR350-P20000*	205 147 359 4	20000	350	0.5	0.6	5.3	0.49	1.1	120	4.72
DR350-P5500-C8	205 147 250 4	A	DR350-P5500*	205 147 358 4	5500	350	0.5	2.3	20.4	0.49	1.1	136	5.35
DR350-P4500-C8	205 147 382 4	A	DR350-P4500*	205 147 384 4	4500	350	0.5	2.7	23.9	0.49	1.1	136	5.35
DR350-P3000-C8	205 147 248 4	A	DR350-P3000*	205 147 357 4	3000	350	0.5	4.0	35.4	0.49	1.1	136	5.35
DR350-P2000-C8	205 147 246 4	A	DR350-P2000*	205 147 356 4	2000	350	0.5	5.4	47.8	0.49	1.1	136	5.35
DR350-P1000-C10	205 147 244 4	A	DR350-P1000*	205 147 355 4	1000	350	0.5	12.7	112.4	0.57	1.3	154	6.06
DR350-P550-C10	205 147 242 4	A	DR350-P550*	205 147 354 4	550	350	0.5	18.6	164.6	0.57	1.3	154	6.06
DR500 – KEY CHUCK					DR500 – WITHOUT CHUCK								
DR500-P18500-C8	205 147 676 4	B	DR500-P18500*	205 147 678 4	18500	500	0.68	1.0	8.85	0.56	1.2	141	5.55
DR500-P5800-C8	205 147 673 4	B	DR500-P5800*	205 147 675 4	5800	500	0.68	3.1	27.4	0.56	1.2	141	5.55
DR500-P4300-C8	205 147 670 4	B	DR500-P4300*	205 147 672 4	4300	500	0.68	4.2	37.2	0.56	1.2	141	5.55
DR500-P2700-C8	205 147 667 4	B	DR500-P2700*	205 147 669 4	2700	500	0.68	6.9	61.1	0.56	1.2	141	5.55
DR500-P1800-C10	205 147 664 4	B	DR500-P1800*	205 147 666 4	1800	500	0.68	9.9	87.6	0.64	1.4	155	6.1
DR500-P1400-C10	205 147 661 4	B	DR500-P1400*	205 147 663 4	1400	500	0.68	13.4	118.6	0.64	1.4	155	6.1
DR500-P1000-C10	205 147 658 4	B	DR500-P1000*	205 147 660 4	1000	500	0.68	18.0	159	0.64	1.4	155	6.1
DR500-P600-C13	205 147 655 4	B	DR500-P600*	205 147 657 4	600	500	0.68	28.7	254	0.64	1.4	155	6.1
DR500-P400-C13	205 147 652 4	B	DR500-P400*	205 147 654 4	400	500	0.68	46.0	407	0.64	1.4	155	6.1
DR750 – KEY CHUCK					DR750 – WITHOUT CHUCK								
DR750-P20000-C8	205 146 659 4	C	DR750-P20000*	205 147 458 4	20000	750	1	1.6	14.2	0.9	2.0	152	5.98
DR750-P6000-C8	1465124	C	DR750-P6000*	205 147 417 4	6000	750	1	5.3	46.9	0.9	2.0	152	5.98
DR750-P4100-C8	1465114	C	DR750-P4100*	205 147 456 4	4100	750	1	7.1	62.8	0.9	2.0	152	5.98
DR750-P3300-C10	1465104	C	DR750-P3300*	205 147 455 4	3300	750	1	9.6	85.0	0.9	2.0	152	5.98
DR750-P2700-C10	1465094	C	DR750-P2700*	205 147 416 4	2700	750	1	11.1	98.2	0.9	2.0	152	5.98
DR750-P1300-C10	1465084	C	DR750-P1300*	205 147 415 4	1300	750	1	23.9	211	1.15	2.5	184	7.24
DR750-P750-C13	1465074	C	DR750-P750**	205 147 452 4	750	750	1	41.0	363	1.15	2.5	184	7.24
DR750-P400-C13	205 146 658 4	C	DR750-P400**	205 147 451 4	400	750	1	55.0	487	1.15	2.5	184	7.24
DR750 – JACOBS TAPER 1 SPINDLE – WITHOUT CHUCK													
		D	DR750-P20000-JT1	205 146 667 4	20000	750	1	1.6	14.2	0.9	2.0	152	5.98
		D	DR750-P6000-JT1	205 146 666 4	6000	750	1	5.3	46.9	0.9	2.0	152	5.98
		D	DR750-P3300-JT1	205 146 664 4	3300	750	1	9.6	85.0	0.9	2.0	152	5.98
		D	DR750-P2700-JT1	205 146 663 4	2700	750	1	11.1	98.2	0.9	2.0	152	5.98
		D	DR750-P1300-JT1	205 146 662 4	1300	750	1	23.9	211	1.15	2.5	184	7.24
		D	DR750-P750-JT1	205 146 661 4	750	750	1	41.0	363	1.15	2.5	184	7.24
		D	DR750-P400-JT1	205 146 660 4	400	750	1	55.0	487	1.15	2.5	184	7.24

CHUCK SELECTION GUIDE FOR DR300-T... / DR350-P... / DR500-P... / DR750-P.

* To use 2JT chuck on DR750, add adaptor P.N. 12243

Part No. Chuck	Chuck Mount	Chuck Capacity		Dimensions				Weight		Part No. Key	DR3...P...C8	DR3...P...C10	DR500-P...C13	DR750-P...JT1
		mm	in	D1 mm	D1 in	D2 mm	D2 in	g	lb		lb	mm	in.	in.
205 055 272 3	3/8"-24	0.5 - 6.5	1/4	29.3	1.15	42.5	1.67	121	0.27	29182	Optional	Optional	Optional	
205 053 013 3	3/8"-24	0.5 - 8	5/16	29.3	1.15	42.5	1.67	120	0.26	410213	Included			
205 052 954 3	3/8"-24	1 - 10	3/8	37	1.46	49.5	1.95	204	0.45	29232		Included		
473113	3/8"-24	1.5 - 13	1/2	42	1.67	59	2.32	371	0.82	895 101 145 3			Included	
29142	1/2"-20	1.5 - 13	1/2	42	1.67	59	2.32	362	0.80	895 101 145 3			Included	
29492	1JT	0.5 - 6.5	1/4	29.3	1.15	42.5	1.67	112	0.25	29182				Optional
29042	1JT	0.8 - 10	3/8	34.5	1.36	48	1.89	231	0.51	29232				Optional
34752	2JT	1 - 10	3/8	42	1.67	61.5	2.4	386	0.85	895 101 145 3				Optional*
34332	2JT	1 - 13	1/2	50	1.97	67.5	2.66	900	1.98					Optional*
473433	3/8"-24	0 - 8	5/16	32	1.26	61.5	2.4	285	0.63		Optional	Optional		
473423	3/8"-24	0.5 - 10	3/8	35.8	1.4	66	2.6	390	0.86			Optional		
205 047 819 3	3/8"-24	1 - 13	1/2	40	1.58	76.3	3	559	1.23				Optional	
205 056 060 3	1/2"-20	1 - 13	1/2	40	1.58	76.3	3	548	1.21				Optional	
524.09	1JT	0 - 6.5	1/4	32	1.26	59.5	2.34	284	0.62					Optional
524.15	1JT	0.5 - 10	3/8	35.8	1.4	66	2.6	390	0.86					Optional
524.10	2JT	0.5 - 10	3/8	40	1.58	87.5	3.4	636	1.4					Optional*
524.16	2JT	1 - 13	1/2	46	1.8	91	3.6	904	1.99					Optional*

DESOUTTER HEAVY DUTY 90° ANGLE DRILLS

Air flow: Hose int. 6 mm (1/4")



Collets can be found on page 51 & 57

Model	Part No.	Pic Ref	Free Speed rpm	Motor Power W	hp	Weight kg	lb	Length mm	in.	Air Flow l/s	cfm	Air Inlet in.	Hose int. mm	in.
90° – Collet Spindle Max Capacity 8mm (5/16")														
DR300-T2000-THD-90	615 176 111 0	A	2000	300	0.4	0.73	1.61	189.5	7.46	9.5	20	1/4	6	1/4
DR300-T900-THD-90	615 176 112 0	A	900	300	0.4	0.83	1.83	206	8.11	9.5	20	1/4	6	1/4
DR300-T600-THD-90	615 176 116 0	A	600	300	0.4	0.83	1.83	206	8.11	9.5	20	1/4	6	1/4
DR450-T3000-THD-90	615 176 176 0	C	3000	450	0.6	0.8	1.76	191.5	7.54	14	30	1/4	6	1/4
DR450-T1800-THD-90	615 176 175 0	C	1800	450	0.6	0.8	1.76	191.5	7.54	14	30	1/4	6	1/4
DR450-T1000-THD-90	615 176 174 0	C	1000	450	0.6	0.89	1.96	205.5	8.09	14	30	1/4	6	1/4
DR450-T650-THD-90	615 176 173 0	C	650	450	0.6	0.89	1.96	205.5	8.09	14	30	1/4		
90° – Key Chuck Max Capacity 8mm (5/16")														
DR300-T2000-SHD-90	615 176 113 0	B	2000	300	0.4	0.86	1.89	189.5	7.46	9.5	20	1/4	6	1/4
DR300-T900-SHD-90	615 176 114 0	B	900	300	0.4	0.96	2.11	206	8.11	9.5	20	1/4	6	1/4
DR300-T600-SHD-90	615 176 117 0	B	600	300	0.4	0.96	2.11	206	8.11	9.5	20	1/4	6	1/4
DR450-T3000-SHD-90	615 176 180 0	D	3000	450	0.6	0.92	2.03	191.5	7.54	14	30	1/4	6	1/4
DR450-T1800-SHD-90	615 176 179 0	D	1800	450	0.6	0.92	2.03	191.5	7.54	14	30	1/4	6	1/4
DR450-T1000-SHD-90	615 176 178 0	D	1000	450	0.6	1.02	2.25	205.5	8.09	14	30	1/4	6	1/4
DR450-T650-SHD-90	615 176 177 0	D	650	450	0.6	1.02	2.25	205.5	8.09	14	30	1/4		

DESOUTTER STRAIGHT GRIP DRILLS

All models DR300: Air Flow: 9.5 l/s (20 cfm) - Air Inlet 1/4" - Hose int. 6 mm (1/4") / Chuck spindle 3/8" x 24 UNF



Model	Part No.	Pic Ref	Model	Part No.	Free Speed rpm	Motor Power W HP	Stall Torque Nm in.lb	Weight w/o Chuck kg lb	OAL (L) w/o Chuck mm in
DR300 - KEY CHUCK					DR300 - WITHOUT CHUCK				
DR300-T20000-C8	615 176 065 0	A	DR300-T20000	615 176 064 0	20000	300 0.4	0.6 5.3	0.44 0.97	138 7.28
DR300-T5500-C8	615 176 063 0	A	DR300-T5500	615 176 062 0	5500	300 0.4	2.3 20.4	0.49 1.08	167 6.57
DR300-T4500-C8	615 176 061 0	A	DR300-T4500	615 176 060 0	4500	300 0.4	2.7 23.9	0.49 1.08	167 6.57
DR300-T3000-C8	615 176 059 0	A	DR300-T3000	615 176 058 0	3000	300 0.4	4.0 35.4	0.49 1.08	167 6.57
DR300-T2000-C8	615 176 057 0	A	DR300-T2000	615 176 056 0	2000	300 0.4	5.4 47.8	0.49 1.08	167 6.57
DR300-T1000-C10	615 176 055 0	A	DR300-T1000	615 176 054 0	1000	300 0.4	12.7 112.4	0.60 1.32	184 7.24
DR300-T550-C10	615 176 053 0	A	DR300-T550	615 176 052 0	550	300 0.4	18.6 164.6	0.60 1.32	184 7.24

Desoutter Controlled Drilling

Full range of solutions for composite drilling applications. Avoid quality issues with thrust limitation device, which eliminates composite delamination, Breakout burrs and excessive wear on cutters

- Easily adaptable to standard Desoutter pistol & straight drills
- Fully customizable (bushing, Vacuum...)
- Easy cutter change



DR500 - P18500 - STR25 - 4.5 NVT

Nose type
N: No tripod, V: Vacuum
T: Tripod

Cutter Size*
Collets Series 200

HCU Unit Stroke
STR25: 25mm (1")
STR37: 37mm (1.5")

Tool Speed

Tool Power & Ergonomics

Pistol tools: see page 206
DR350: 350W (0.5hp)
DR500: 500W (0.68hp)

Straight Tools: see page 206

DR300: 300W (0.4hp)
DR450: 450W (0.6hp)

Part No.	* Cutter Sizes
615 526 061 0	Collet Ø2.4 to 3.2mm
615 526 151 0	Collet Ø3.2 to 4mm
615 526 152 0	Collet Ø3.7 to 4.5mm
615 526 153 0	Collet Ø4.2 to 5mm
615 526 062 0	Collet Ø 5.2 to 6mm
615 526 064 0	Collet Ø7.2 to 8mm
615 526 065 0	Collet Ø 8.7 to 9.5mm
615 526 063 0	Collet Ø1/4" (Ø5.55 to 6.35mm)

Desoutter Tappers

DESOUTTER TAPPERS

All models T500-P:
Hose int. 10 mm (3/8")



Model	Part No.	Pic Ref	Free Speed rpm	Re-verse Speed rpm	Motor Power W hp	Max. Tapping Torque Steel Alu	Weight kg lb	OAL mm in	Air Flow l/s cfm	Air Inlet in.
T500-P400	205 147 995 4	A	400	800	0.5 0.68	M10 M12	0.64 1.4	263 10.35	14 30	1/4
T500-P600	205 147 996 4	A	600	1200	0.5 0.86	M10 M12	0.64 1.4	263 10.35	14 30	1/4
T450-T400	615 176 181 0	B	400	800	0.5 0.68	M10 M12	0.64 1.4	263 10.35	14 30	1/4
T450-T600	615 176 182 0	B	600	1200	0.5 0.86	M10 M12	0.64 1.4	263 10.35	14 30	1/4

OPTIONAL ACCESSORIES



Part No.	Description	Ref
29042	Keyed chuck (1JT) - 0,8 to 10mm (3/8") (with key) T500-P400	1
29492	Keyed chuck (1JT) - 0,5 to 6,5mm (1/4") (with key) T500-P600	1
29232	Chuck key - T500-P400	•
410213	Chuck key - T500-P600	•
29452	Precision collet tap holder (including collet cap. M3 to M8)	2
29482	Collet capacity M3 to M7 (1/8" to 9/32")	•
29472	Collet capacity M4 to M8 (5/32" to 5/16")	•
97982	Collet capacity M6 to M12 (15/64" to 15/32")	3
69922	Tap Holder (1 JT)	4
16852	Quick Release Chuck (1 JT)	5
69872	Quick Release Tap Holder (1 JT)	6

COLLETS FOR TAP HOLDERS

Part No.	Tap Size		BA	Shank Diameter mm
	mm	in		
2612	M2.2 & M2.5		6 & 8	2.8
2632	M3	1/8	5	3.2
2652	M3.5		4	3.6
2672	M4			4.0
2702	M4.5		3	4.5
2722	M5	3/16	2	5.0
2752	M5.5	7/32	1	5.6

Part No.	Tap Size		BA	Shank Diameter mm
	mm	in		
2792	M6	1/4	0	6.3
2832	M7	9/32		7.1
2872	M8 & M11	5/1 & 7/16		8.0
69882	M9 & M12	1/2		9.0
69892	M10	3/8		10.0
29443	*Wrench for Tap Holder collet nut			
206773	*2mm A/F hexagon key for Tap Holder grub screws			

DESOUTTER TAPPERS

All models 2H16-L:
Hose int. 10mm (3/8")



Model	Part No.	Pic Ref	Low Speed Setting rpm	High Speed Setting rpm	Max. Tapping Torque		Weight		Air Flow		Air Inlet in.
					Low Speed Nm ft.lb	High Speed Nm ft.lb	kg lb	l/s cfm			
2H16-L-160/500-B18	1434264	A	160	500	140 103	47 34.7	3.1 6.8	15.6 33	3/8		
2H16-L-90/250-B18	1434344	A	90	250	240 177	90 66.4	3.1 6.8	15.6 33	3/8		

Sioux™ Drills

SIoux™ STRAIGHT CHUCK DRILL 3/8"

- Ergonomic grips
- Rear exhaust



Part No.	RPM	Power	Capacity	Length	Weight
SDR10S26N3	2600	0.75kw	3/8"	211mm	1.05kg

SIoux™ PISTOL DRILLS 1/4"

- Ergonomic comfort grip
- Reversible models available
- Smooth teasing trigger for controlled starts



1410

Part No.	RPM	Power	Capacity	Length	Weight
1410	2600	0.25kw	1/4"	160mm	0.6kg
1410R	2000	0.15kw	1/4"	160mm	0.6kg
1412R	2600	0.15kw	1/4"	160mm	0.6kg

SIoux™ PISTOL DRILLS 3/8" & 1/2" DRIVE

- Moulded ergonomic comfort grip
- 3 Idler gear system for increased life
- Precision motors with runout of less than 0.005" measured at 2.5" from the chuck!



SDR10P26N3

Please contact us for more models and sizes

Part No.	RPM	Power	Capacity	Length	Weight
SDR10P4N4	400	0.75kw	1/2"	215mm	1.5kg
SDR10P7N3	700	0.75kw	3/8"	205mm	1.3kg
SDR10P26N3	2600	0.75kw	3/8"	180mm	1.1kg
SDR10P40N3	4000	0.75kw	3/8"	180mm	1.1kg

SIoux™ is a registered trademark of Sioux Tools, Inc.

Dotco® Drills

DOTCO® ANGLE DRILLS

- Ergonomic safety lever
- Comfortable textured grip
- Rear exhaust
- 0.3kw power



Part No.	RPM (no load)	Head Type	Head Part No.	Spindle Type	OAL
15LF283-62	3300	90°	1025409	1/4" x 28	272mm
15LF283-63	3300	90°	1025313	9/32" x 40	272mm
15LF283-42	3300	45°	1025730	1/4" x 28	276mm
15LF283-43	3300	45°	1025731	9/32" x 40	276mm
15LF283-92	3300	360°	1025694	1/4" x 28	272mm

DOTCO® PISTOL DRILLS 1/4"

- Ergonomically designed for operator comfort
- Ideal for tight quarters and cramped areas
- Heat-treated alloy steel gears
- Non-reversible



14CSL91-38

Part No.	RPM	Power	Capacity	Length	Weight
14CFS93-38	3200	0.30kw	1/4"	146mm	0.7kg
14CFS94-38	2400	0.30kw	1/4"	146mm	0.7kg
14CSL91-38	5200	0.45kw	1/4"	160mm	1.0kg

CLECO® VARIABLE SPEED DRILL

- The only accurately variable speed drill on the market.
- Includes appropriate Size chuck as indicated.
- Speed selection via calibrated dial on rear of tool
- 0.52kw power



135DPV-7B-43

Part No.	Capacity	RPM - governed	RPM - no load
135DPV-7B-43	3/8"	150 to 550	600
135DPV-14B-51	3/8"	400 to 1200	1250
135DPV-28B-51	3/8"	700 to 2400	2600
135DPV-7B-50	1/2"	150 to 550	600
135DPV-14B-50	1/2"	400 to 1200	1250
861006		Handle, Req for 1/2" Models	

CLECO® & DOTCO® are both registered trademarks of Cooper Industries/(Apex Tool Goup)

Henchman Pneumatic Drills

HENCHMAN PISTOL GRIP DRILLS

- Light Weight: Aluminum housing.
- Compact Design: Minimize operator's work during continuous hard drilling operation.
- Air valves can be started slowly during high-speed operation, to protect workpiece.
- Minimal vibration during operation.



Figure 1



Figure 2

Part No.	RPM	Power	Capacity	Reversible	Fig
H-10014	4000	0.6hp	1/4"	No	1
H-10038	2800	0.6hp	3/8"	Yes	2
H-10012	500	1.0hp	1/2"	Yes	2

STRAIGHT DRILL 3/8"

- Ergonomic Grip
- Rear exhaust



Part No.	Description	RPM	Power	Capacity	OAL	Weight
H-20038	Drill 3/8" Reversible	2500	0.4hp	3/8"	215mm	1.04kg

ANGLE DRILL 3/8" – REVERSIBLE

- Reverse at the touch of a button
- Rear exhaust
- Ideal in confined spots



Part No.	Description	RPM	Power	Capacity	OAL	Weight
T-7787R	Taylor Angle Drill 3/8" Reversible	1400	0.5hp	3/8"	209mm	0.91kg

ANGLE DRILL 1/4" x 28

- Supplied with a safety lever
- Rear exhaust
- Ideal for home builder or small maintenance hangar
- 0.33Hp



Part No.	Description	RPM (no load)	Head	Spindle Type	OAL
T-9750	Taylor Angle Drill 1/4" x 28	2800	90°	1/4" x 28	245mm
H-19014	Henchman Angle Drill 1/4" x 28	2800	90°	1/4" x 28	245mm
T-9751	Taylor Angle Drill 1/4" x 28	2800	45°	1/4" x 28	245mm
H-14514	Henchman Angle Drill 1/4" x 28	2800	45°	1/4" x 28	245mm
T-9753	Taylor Angle Drill 1/4" x 28	2800	360°	1/4" x 28	245mm
H-13614	Henchman Angle Drill 1/4" x 28	2800	360°	1/4" x 28	245mm

TAYLOR ANGLE DRILL 1/4" x 28 – EXTENDED

- Supplied with a safety lever
- Extended reach to get into difficult areas
- Ideal for home builder or small maintenance hangar
- 0.33Hp



Part No.	RPM (no load)	Head	Spindle Type	OAL
T-9750EX	2800	0.5hp	1/4" x 28	336mm

Drilling Attachments

PANCAKE THREADED DRILL 1/4-28

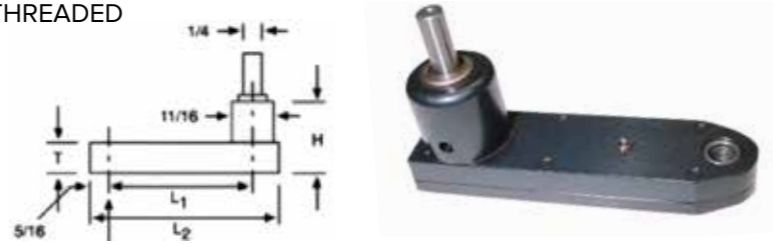
- Housing milled from solid stock
- Low cost option suiting student, kit builder or small maintenance hangar
- Rear exhaust



Part No.	RPM	Power	Reach	OAL	Weight
PC1200	3300	0.5hp	75mm	206mm	0.84kg

PANCAKE DRILL ATTACHMENTS 1/4-28 THREADED

- Offset angle head drilling attachments feature hardened shafts and bearing supported spindle gears
- Straight style with 1/28 Spindle



Part No.	Height (H)	Thickness (T)	L1	OAL (L2)
PC2008	1-1/8"	3/8"	2-7/16"	3-3/16"
PC2010	1-1/8"	3/8"	3-3/4"	4-1/2"

LONG PANCAKE DRILL ATTACHMENT 1/4-28 THREADED

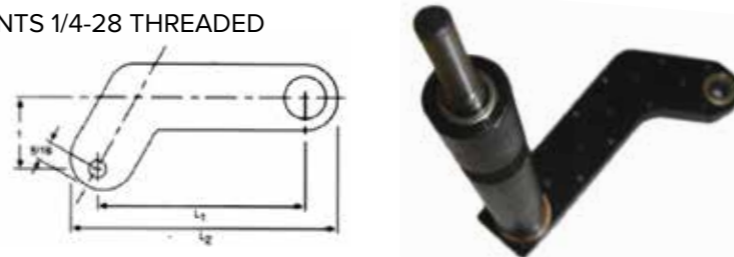
- Offset angle head drilling attachments feature hardened shafts and bearing supported spindle gears
- Straight style with 1/28 Spindle



Part No.	Height (H)	Thickness (T)	L1	OAL (L2)
PC2835	4-9/16"	3/8"	2-7/16"	3-3/16"

LONG OFFSET PANCAKE DRILL ATTACHMENTS 1/4-28 THREADED

- Offset angle head drilling attachments feature hardened shafts and bearing supported spindle gears
- Left hand or right hand 30° offset end (RH shown)



Part No.	Offset	Height (H)	Thickness (T)	L1	OAL (L2)
PC2845	RH	4-9/16"	3/8"	3-1/8"	4"
PC2855	LH	4-9/16"	3/8"	3-1/8"	4"

90° MIDGET DRILL ATTACHMENT 1/4-28 THREADED

- Quickly connects to any drill chuck
- Convenient & inexpensive close-quarter drilling tool attachment with 1/4-28 spindle



Part No.	Description	Diameter	OAL	Overall Height
DA3011	90° Midget Drill Attachment	13mm	155mm	30mm

HEAVY DUTY 90° DRILL ATTACHMENT 1/4-28 THREADED



Part No.	Description	Diameter	OAL	Overall Height
DA3003	90° Heavy Duty Drill Attachment	19mm	181mm	33mm

45° DRILL ATTACHMENT 1/4-28 THREADED

- Quickly connects to any drill chuck
- Convenient & inexpensive close-quarter drilling tool attachment with 1/4-28 spindle



Part No.	Description	Diameter	OAL	Overall Height
DA3345	45° Midget Drill Attachment	19mm	191mm	30mm

360° DRILL ATTACHMENT 1/4-28 THREADED



Part No.	Description
DA3045	360° Drill Attachment
DA3041	360° Drill Attachment - Light Duty

30" HEAVY DUTY 90° FLEX DRILL ATTACH. 1/4-28 THREADED

- 90° Drill Snake Attachment
- Length: 762mm



Part No.	Description	OAL
DA4063	90° Drill Snake Attachment	762mm

LIGHT DUTY 90° DRILL ATTACHMENT 1/4-28 THREADED



Part No.	Description
DA5090	90° Drill Attachment Economy

Aircraft Threaded Drills

COBALT EXTRA STUBBY 1/4"-28 THREADED SHANK ADAPTER DRILLS

Part No.	Size	Dec	OAL
DT41098	#40	.0980	3/8"
DT41128	#30	.1285	3/8"
DT41144	#27	.1440	3/8"
DT41159	#21	.1590	3/8"
DT41161	#20	.1610	3/8"
DT41177	#16	.1770	3/8"
DT41185	#13	.1850	3/8"
DT41193	#10	.1935	3/8"
DT41199	#8	.1990	3/8"
DT41250	1/4"	.2500	3/8"



- Extra Stubby Threaded Cobalt Drill Bits
- Type "D" NAS 965 threaded shank adapter drills are made from cobalt high speed steel and are manufactured to Type "D" specifications with 135° heavy duty split points and surface treated for drilling hard and high tensile strength materials.
- Cobalt Type "D" drills can be used in place of standard HSS for higher tensile drilling applications providing significant extended life to cutting edges of drills.


COBALT STUBBY 1/4"-28 THREADED SHANK ADAPTER DRILLS

- Stubby Threaded Cobalt Drill Bits
- Type "D" NAS 965 threaded shank adapter drills are made from cobalt high speed steel and are manufactured to Type "D" specifications with 135° heavy duty split points and surface treated for drilling hard and high tensile strength materials.
- Cobalt Type "D" drills can be used in place of standard HSS for higher tensile drilling applications providing significant extended life to cutting edges of drills.




Part No.	Size	Dec	OAL
DT31070	#50	.0700	1/2"
DT31093	3/32"	.0938	1/2"
DT31098	#40	.0980	1/2"
DT31125	1/8"	.1250	9/16"
DT31128	#30	.1285	9/16"
DT31136	#29	.1360	9/16"
DT31144	#27	.1440	9/16"
DT31156	5/32"	.1562	9/16"
DT31159	#21	.1590	9/16"
DT31161	#20	.1610	9/16"
DT31166	#19	.1660	9/16"
DT31177	#16	.1770	9/16"
DT31180	#15	.1800	9/16"
DT31185	#13	.1850	9/16"
DT31187	3/16"	.1875	9/16"
DT31189	#12	.1890	9/16"
DT31191	#11	.1910	9/16"

Part No.	Size	Dec	OAL
DT31193	#10	.1935	9/16"
DT31196	#9	.1960	9/16"
DT31199	#8	.1990	9/16"
DT31201	#7	.2010	9/16"
DT31203	13/64"	.2031	9/16"
DT31204	#6	.2040	9/16"
DT31205	#5	.2055	9/16"
DT31213	#3	.2130	9/16"
DT31218	7/32"	.2188	9/16"
DT31221	#2	.2210	9/16"
DT31228	#1	.2280	9/16"
DT31246	"D"	.2460	9/16"
DT31250	1/4"	.2500	9/16"
DT31257	"F"	.2570	9/16"
DT31261	"G"	.2610	9/16"
DT31312	5/16"	.3125	9/16"
DT31375	3/8"	.3750	3/4"



135°



135° Angle Split-Point Drill

- Self centering due to split-point
- Less force required than conventional 118° drills
- Quicker cutting, making a continuous swarf (peeling type shaving) if used at correct RPM for material - typically a slower speed. If run too fast, the efficiency of the cutting edge is lost which leads to blunting
- Better suited to hand portable type drilling

According to NAS 907 Type D specifications Cobalt drills are denoted by Square shanks (stocked). HSS drills are denoted by Hex shanks (available to order)

1/4"-28 THREADED HOLDER

- A convenient way to store up to 30 threaded tools
- Made of HDPE.



Part No.	Description	Dimensions
TDH030	1/4"-28 Threaded Holder	

COBALT SHORT THREADED 1/4"-28 DRILLS

- Short Threaded Cobalt Drill Bits
- Type "D" NAS 965 threaded shank adapter drills are made from cobalt high speed steel and are manufactured to Type "D" specifications with 135° heavy duty split points and surface treated for drilling hard and high tensile strength materials.
- Cobalt Type "D" drills can be used in place of standard HSS for higher tensile drilling applications providing significant extended life to cutting edges of drills.



Part No.	Size	Dec	OAL
DT21070	#50	.0700	1"
DT21093	3/32"	.0938	1"
DT21098	#40	.0980	1"
DT21125	1/8"	.1250	1-1/4"
DT21128	#30	.1285	1-1/4"
DT21136	#29	.1360	1-1/4"
DT21144	#27	.1440	1-1/4"
DT21156	5/32"	.1562	1-1/4"
DT21159	#21	.1590	1-1/4"
DT21161	#20	.1610	1-1/4"
DT21166	#19	.1660	1-1/4"
DT21177	#16	.1770	1-1/4"
DT21180	#15	.1800	1-1/4"
DT21185	#13	.1850	1-1/4"
DT21187	3/16"	.1875	1-1/4"
DT21189	#12	.1890	1-1/4"
DT21191	#11	.1910	1-1/4"

Part No.	Size	Dec	OAL
DT21193	#10	.1935	1-1/4"
DT21196	#9	.1960	1-1/4"
DT21199	#8	.1990	1-1/4"
DT21201	#7	.2010	1-1/4"
DT21203	13/64"	.2031	1-1/4"
DT21204	#6	.2040	1-1/4"
DT21205	#5	.2055	1-1/4"
DT21213	#3	.2130	1-1/4"
DT21218	7/32"	.2188	1-1/4"
DT21221	#2	.2210	1-1/4"
DT21228	#1	.2280	1-1/4"
DT21246	"D"	.2460	1-1/4"
DT21250	1/4"	.2500	1-1/4"
DT21257	"F"	.2570	1-1/4"
DT21261	"G"	.2610	1-1/4"
DT21312	5/16"	.3125	1-1/4"
DT21375	3/8"	.3750	1-1/4"

COBALT LONG 1/4"-28 THREADED SHANK ADAPTER DRILLS

- Long Threaded Cobalt Drill Bits
- Type "D" NAS 965 threaded shank adapter drills are made from cobalt high speed steel and are manufactured to Type "D" specifications with 135° heavy duty split points and surface treated for drilling hard and high tensile strength materials.
- Cobalt Type "D" drills can be used in place of standard HSS for higher tensile drilling applications providing significant extended life to cutting edges of drills.



Part No.	Size	Dec	OAL
DT11070	#50	.0700	2-1/8"
DT11093	3/32"	.0938	2-1/8"
DT11098	#40	.0980	2-1/8"
DT11125	1/8"	.1250	2-1/8"
DT11128	#30	.1285	2-1/8"
DT11136	#29	.1360	2-1/8"
DT11144	#27	.1440	2-1/8"
DT11156	5/32"	.1562	2-1/8"
DT11159	#21	.1590	2-1/8"
DT11161	#20	.1610	2-1/8"
DT11166	#19	.1660	2-1/8"
DT11177	#16	.1770	2-1/8"
DT11180	#15	.1800	2-1/8"
DT11185	#13	.1850	2-1/8"
DT11187	3/16"	.1875	2-1/8"
DT11189	#12	.1890	2-1/8"
DT11191	#11	.1910	2-1/8"

Part No.	Size	Dec	OAL
DT11193	#10	.1935	2-1/8"
DT11196	#9	.1960	2-1/8"
DT11199	#8	.1990	2-1/8"
DT11201	#7	.2010	2-1/8"
DT11203	13/64"	.2031	2-1/8"
DT11204	#6	.2040	2-1/8"
DT11205	#5	.2055	2-1/8"
DT11213	#3	.2130	2-1/8"
DT11218	7/32"	.2188	2-1/8"
DT11221	#2	.2210	2-1/8"
DT11228	#1	.2280	2-1/8"
DT11246	"D"	.2460	2-1/8"
DT11250	1/4"	.2500	2-1/8"
DT11257	"F"	.2570	2-1/8"
DT11261	"G"	.2610	2-1/8"
DT11312	5/16"	.3125	2-1/8"
DT11375	3/8"	.3750	2-1/8"

Aircraft HSS Jobber Drills

HSS JOBBER DRILLS NUMBERS SIZES – NAS907

HSS with 135° split points made according to National Aerospace Standard 907 Type J specifications



Part No.	Drill Dia.	Dec	OAL	FL
DH70001	1	.2280	3 7/8"	2 5/8"
DH70002	2	.2210	3 7/8"	2 5/8"
DH70003	3	.2130	3 3/4"	2 1/2"
DH70004	4	.2090	3 3/4"	2 1/2"
DH70005	5	.2055	3 3/4"	2 1/2"
DH70006	6	.2040	3 3/4"	2 1/2"
DH70007	7	.2010	3 5/8"	2 1/4"
DH70008	8	.1990	3 5/8"	2 1/4"
DH70009	9	.1960	3 5/8"	2 1/4"
DH70010	10	.1935	3 5/8"	2 1/4"
DH70011	11	.1910	3 1/2"	2 1/4"
DH70012	12	.1890	3 1/2"	2 1/4"
DH70013	13	.1850	3 1/2"	2 3/16"
DH70014	14	.1820	3 1/2"	2 3/16"
DH70015	15	.1800	3 3/8"	2 3/16"
DH70016	16	.1770	3 3/8"	2 3/16"
DH70017	17	.1730	3 3/8"	2 3/16"
DH70018	18	.1695	3 1/4"	2 1/8"
DH70019	19	.1660	3 1/4"	2 1/8"
DH70020	20	.1610	3 1/4"	2 1/8"
DH70021	21	.1590	3 1/4"	2 1/8"
DH70022	22	.1570	3 1/8"	2"
DH70023	23	.1540	3 1/8"	2"
DH70024	24	.1520	3 1/8"	2"
DH70025	25	.1490	3"	1 7/8"
DH70026	26	.1470	3"	1 7/8"
DH70027	27	.1440	3"	1 7/8"
DH70028	28	.1405	2 7/8"	1 3/4"
DH70029	29	.1360	2 7/8"	1 3/4"
DH70030	30	.1285	2 3/4"	1 5/8"

Part No.	Drill Dia.	Dec	OAL	FL
DH70031	31	.1200	2 3/4"	1 5/8"
DH70032	32	.1160	2 3/4"	1 5/8"
DH70033	33	.1130	2 5/8"	1 1/2"
DH70034	34	.1110	2 5/8"	1 1/2"
DH70035	35	.1100	2 5/8"	1 1/2"
DH70036	36	.1065	2 1/2"	1 7/16"
DH70037	37	.1040	2 1/2"	1 7/16"
DH70038	38	.1015	2 1/2"	1 7/16"
DH70039	39	.0995	2 3/8"	1 3/8"
DH70040	40	.0980	2 3/8"	1 3/8"
DH70041	41	.0960	2 3/8"	1 3/8"
DH70042	42	.0935	2 1/4"	1 1/4"
DH70043	43	.0890	2 1/4"	1 1/4"
DH70044	44	.0860	2 1/8"	1 1/8"
DH70045	45	.0820	2 1/8"	1 1/8"
DH70046	46	.0810	2 1/8"	1 1/8"
DH70047	47	.0785	2"	1"
DH70048	48	.0760	2"	1"
DH70049	49	.0730	2"	1"
DH70050	50	.0700	2"	1"
DH70051	51	.0670	2"	1"
DH70052	52	.0635	1 7/8"	7/8"
DH70053	53	.0595	1 7/8"	7/8"
DH70054	54	.0550	1 7/8"	7/8"
DH70055	55	.0520	1 7/8"	7/8"
DH70056	56	.0465	1 3/4"	3/4"
DH70057	57	.0430	1 3/4"	3/4"
DH70058	58	.0420	1 5/8"	1 1/16"
DH70059	59	.0410	1 5/8"	1 1/16"
DH70060	60	.0400	1 5/8"	1 1/16"



135°



135° Conventional Angle Drill Point

- General Purpose Use
- Suited better to softer materials
- Not Self-Centering
- Better suited to Stationary Machine drilling

HSS JOBBER DRILLS, FRACTIONAL SIZES – NAS907

HSS with 135° split points made according to National Aerospace Standard 907 Type J specifications



Part No.	Size	Dec	OAL	FL
DH710164	1/64"	.0156	1 3/16"	1 1/32"
DH710132	1/32"	.0313	1 3/16"	1 1/32"
DH710116	1/16"	.0625	1 7/8"	7/8"
DH710564	5/64"	.0781	2"	1"
DH710332	3/32"	.0938	2 1/4"	1 1/4"
DH710764	7/64"	.1094	2 5/8"	1 1/2"
DH710018	1/8"	.1250	2 3/4"	1 5/8"
DH710964	9/64"	.1406	2 7/8"	1 3/4"
DH710532	5/32"	.1563	3 1/8"	2"
DH711164	11/64"	.1719	3 1/4"	2 1/8"
DH710316	3/16"	.1875	3 1/2"	2 5/16"
DH711364	13/64"	.2031	3 5/8"	2 7/16"
DH710732	7/32"	.2188	3 3/4"	2 1/2"
DH711564	15/64"	.2344	3 7/8"	2 5/8"
DH710014	1/4"	.2500	4"	2 3/4"

Part No.	Size	Dec	OAL	FL
DH711764	17/64"	.2656	4 1/8"	2 7/8"
DH710932	9/32"	.2813	4 1/4"	2 15/16"
DH711964	19/64"	.2969	4 3/8"	3 1/16"
DH710516	5/16"	.3125	4 1/2"	3 3/16"
DH712164	21/64"	.3281	4 5/8"	3 5/16"
DH711132	11/32"	.3438	4 3/4"	3 7/16"
DH712364	23/64"	.3594	4 7/8"	3 1/2"
DH710038	3/8"	.3750	5"	3 5/8"
DH712564	25/64"	.3906	5 1/8"	3 3/4"
DH711332	13/32"	.4063	5 1/4"	3 7/8"
DH712764	27/64"	.4219	5 3/8"	3 15/16"
DH710716	7/16"	.4375	5 1/2"	4 1/16"
DH712964	29/64"	.4531	5 5/8"	4 3/16"
DH711532	15/32"	.4688	5 3/4"	4 5/16"
DH713164	31/64"	.4644	5 7/8"	4 3/8"
DH710012	1/2"	.5000	6"	4 1/2"

HSS JOBBER DRILLS, LETTER SIZES – NAS907

HSS with 135° split points made according to National Aerospace Standard 907 Type J specifications



Part No.	Drill Dia.	Dec	OAL	FL
DH72001	A	.2340	3 7/8"	2 5/8"
DH72002	B	.2380	4"	2 3/4"
DH72003	C	.2420	4"	2 3/4"
DH72004	D	.2460	4"	2 3/4"
DH72005	E	.2500	4"	2 3/4"
DH72006	F	.2570	4 1/8"	2 7/8"
DH72007	G	.2610	4 1/8"	2 7/8"
DH72008	H	.2660	4 1/8"	2 7/8"
DH72009	I	.2720	4 1/8"	2 7/8"
DH72010	J	.2770	4 1/8"	2 7/8"
DH72011	K	.2810	4 1/4"	2 15/16"
DH72012	L	.2900	4 1/4"	2 15/16"
DH72013	M	.2950	4 3/8"	3 1/16"

Part No.	Drill Dia.	Dec	OAL	FL
DH72014	N	.3020	4 3/8"	3 1/16"
DH72015	O	.3160	4 1/2"	3 3/16"
DH72016	P	.3230	4 5/8"	3 5/16"
DH72017	Q	.3320	4 3/4"	3 7/16"
DH72018	R	.3390	4 3/4"	3 7/16"
DH72019	S	.3480	4 7/8"	3 1/2"
DH72020	T	.3580	4 7/8"	3 1/2"
DH72021	U	.3680	5"	3 5/8"
DH72022	V	.3770	5"	3 5/8"
DH72023	W	.3860	5 1/8"	3 3/4"
DH72024	X	.3970	5 1/8"	3 3/4"
DH72025	Y	.4040	5 1/4"	3 7/8"
DH72026	Z	.4130	5 1/4"	3 7/8"

Aircraft Cobalt Jobber Drills

COBALT JOBBER DRILLS, NUMBER SIZES – NAS907

- Cobalt Jobber Drills are manufactured according to National Aerospace Standards meeting NAS907 Type J specifications. Surface treated and heavy duty construction for portable or machine drilling for drilling in tough, high tensile strength materials like stainless steel, titanium and inconel
- The self-centering 135° split-point helps to eliminate walking of the drill point thus providing more accurate drilling
- These HSSCO drills are made from heat resistant cobalt steel, with heavy duty construction suited to drilling high strength alloys.



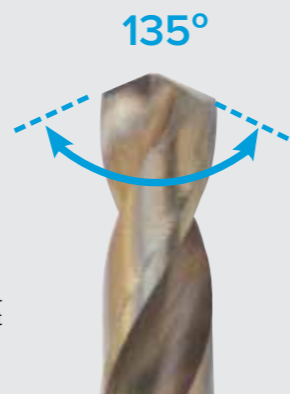
Part No.	Drill Dia.	Dec	OAL	FL
DC70001	1	.2280	3 7/8"	2 5/8"
DC70002	2	.2210	3 7/8"	2 5/8"
DC70003	3	.2130	3 3/4"	2 1/2"
DC70004	4	.2090	3 3/4"	2 1/2"
DC70005	5	.2055	3 3/4"	2 1/2"
DC70006	6	.2040	3 3/4"	2 1/2"
DC70007	7	.2010	3 5/8"	2 1/4"
DC70008	8	.1990	3 5/8"	2 1/4"
DC70009	9	.1960	3 5/8"	2 1/4"
DC70010	10	.1935	3 5/8"	2 1/4"
DC70011	11	.1910	3 1/2"	2 1/4"
DC70012	12	.1890	3 1/2"	2 1/4"
DC70013	13	.1850	3 1/2"	2 3/16"
DC70014	14	.1820	3 1/2"	2 3/16"
DC70015	15	.1800	3 3/8"	2 3/16"
DC70016	16	.1770	3 3/8"	2 3/16"
DC70017	17	.1730	3 3/8"	2 3/16"
DC70018	18	.1695	3 1/4"	2 1/8"
DC70019	19	.1660	3 1/4"	2 1/8"
DC70020	20	.1610	3 1/4"	2 1/8"
DC70021	21	.1590	3 1/4"	2 1/8"
DC70022	22	.1570	3 1/8"	2"
DC70023	23	.1540	3 1/8"	2"
DC70024	24	.1520	3 1/8"	2"
DC70025	25	.1490	3"	1 7/8"
DC70026	26	.1470	3"	1 7/8"
DC70027	27	.1440	3"	1 7/8"
DC70028	28	.1405	2 7/8"	1 3/4"
DC70029	29	.1360	2 7/8"	1 3/4"
DH70030	30	.1285	2 3/4"	1 5/8"

Part No.	Drill Dia.	Dec	OAL	FL
DC70031	31	.1200	2 3/4"	1 5/8"
DC70032	32	.1160	2 3/4"	1 5/8"
DC70033	33	.1130	2 5/8"	1 1/2"
DC70034	34	.1110	2 5/8"	1 1/2"
DC70035	35	.1100	2 5/8"	1 1/2"
DC70036	36	.1065	2 1/2"	1 7/16"
DC70037	37	.1040	2 1/2"	1 7/16"
DC70038	38	.1015	2 1/2"	1 7/16"
DC70039	39	.0995	2 3/8"	1 3/8"
DC70040	40	.0980	2 3/8"	1 3/8"
DC70041	41	.0960	2 3/8"	1 3/8"
DC70042	42	.0935	2 1/4"	1 1/4"
DC70043	43	.0890	2 1/4"	1 1/4"
DC70044	44	.0860	2 1/8"	1 1/8"
DC70045	45	.0820	2 1/8"	1 1/8"
DC70046	46	.0810	2 1/8"	1 1/8"
DC70047	47	.0785	2"	1"
DC70048	48	.0760	2"	1"
DC70049	49	.0730	2"	1"
DC70050	50	.0700	2"	1"
DC70051	51	.0670	2"	1"
DC70052	52	.0635	1 7/8"	7/8"
DC70053	53	.0595	1 7/8"	7/8"
DC70054	54	.0550	1 7/8"	7/8"
DC70055	55	.0520	1 7/8"	7/8"
DC70056	56	.0465	1 3/4"	3/4"
DC70057	57	.0430	1 3/4"	3/4"
DC70058	58	.0420	1 5/8"	1 1/16"
DC70059	59	.0410	1 5/8"	1 1/16"
DC70060	60	.0400	1 5/8"	1 1/16"



135° Angle Split-Point Drill

- Self centering due to split-point
- Less force required than conventional 118° drills
- Cuts a continuous swarf (peeling type shaving) if used at correct RPM for material - typically a slower speed. If run too fast, the efficiency of the cutting edge is lost which leads to blunting
- Better suited to hand portable type drilling



COBALT JOBBER DRILLS, FRACTIONAL SIZES – NAS907

- Cobalt Jobber Drills are manufactured according to National Aerospace Standards meeting NAS907 Type J specifications.
- Surface treated and heavy duty construction for portable or machine drilling for drilling in tough, high tensile strength materials like stainless steel, titanium and inconel
- The self-centering 135° split-point helps to eliminate walking of the drill point thus providing more accurate drilling
- These HSSCO drills are made from heat resistant cobalt steel, with heavy duty construction suited to drilling high strength alloys.



Part No.	Size	Dec	OAL	FL
DC710164	1/64"	.0156	1 3/16"	1 1/32"
DC710132	1/32"	.0313	1 3/16"	1 1/32"
DC710116	1/16"	.0625	1 7/8"	7/8"
DC710564	5/64"	.0781	2"	1"
DC710332	3/32"	.0938	2 1/4"	1 1/4"
DC710764	7/64"	.1094	2 5/8"	1 1/2"
DC710018	1/8"	.1250	2 3/4"	1 5/8"
DC710964	9/64"	.1406	2 7/8"	1 3/4"
DC710532	5/32"	.1563	3 1/8"	2"
DC711164	11/64"	.1719	3 1/4"	2 1/8"
DC710316	3/16"	.1875	3 1/2"	2 5/16"
DC711364	13/64"	.2031	3 5/8"	2 7/16"
DC710732	7/32"	.2188	3 3/4"	2 1/2"
DC711564	15/64"	.2344	3 7/8"	2 5/8"
DC710014	1/4"	.2500	4"	2 3/4"

Part No.	Size	Dec	OAL	FL
DC711764	17/64"	.2656	4 1/8"	2 7/8"
DC710932	9/32"	.2813	4 1/4"	2 15/16"
DC711964	19/64"	.2969	4 3/8"	3 1/16"
DC710516	5/16"	.3125	4 1/2"	3 3/16"
DC712164	21/64"	.3281	4 5/8"	3 5/16"
DC711132	11/32"	.3438	4 3/4"	3 7/16"
DC712364	23/64"	.3594	4 7/8"	3 1/2"
DC710038	3/8"	.3750	5"	3 5/8"
DC712564	25/64"	.3906	5 1/8"	3 3/4"
DC711332	13/32"	.4063	5 1/4"	3 7/8"
DC712764	27/64"	.4219	5 3/8"	3 15/16"
DC710716	7/16"	.4375	5 1/2"	4 1/16"
DC712964	29/64"	.4531	5 5/8"	4 3/16"
DC711532	15/32"	.4688	5 3/4"	4 5/16"
DC713164	31/64"	.4844	5 7/8"	4 3/8"
DC710012	1/2"	.5000	6"	4 1/2"

COBALT JOBBER DRILLS, LETTER SIZES – NAS907

- Cobalt Jobber Drills are manufactured according to National Aerospace Standards meeting NAS907 Type J specifications.
- Surface treated and heavy duty construction for portable or machine drilling for drilling in tough, high tensile strength materials like stainless steel, titanium and inconel
- The self-centering 135° split-point helps to eliminate walking of the drill point thus providing more accurate drilling
- These HSSCO drills are made from heat resistant cobalt steel, with heavy duty construction suited to drilling high strength alloys.



Part No.	Drill Dia.	Dec	OAL	FL
DC72001	A	.2340	3 7/8"	2 5/8"
DC72002	B	.2380	4"	2 3/4"
DC72003	C	.2420	4"	2 3/4"
DC72004	D	.2460	4"	2 3/4"
DC72005	E	.2500	4"	2 3/4"
DC72006	F	.2570	4 1/8"	2 7/8"
DC72007	G	.2610	4 1/8"	2 7/8"
DC72008	H	.2660	4 1/8"	2 7/8"
DC72009	I	.2720	4 1/8"	2 7/8"
DC72010	J	.2770	4 1/8"	2 7/8"
DC72011	K	.2810	4 1/4"	2 15/16"
DC72012	L	.2900	4 1/4"	2 15/16"
DC72013	M	.2950	4 3/8"	3 1/16"

Part No.	Drill Dia.	Dec	OAL	FL
DC72014	N	.3020	4 3/8"	3 1/16"
DC72015	O	.3160	4 1/2"	3 3/16"
DC72016	P	.3230	4 5/8"	3 5/16"
DC72017	Q	.3320	4 3/4"	3 7/16"
DC72018	R	.3390	4 3/4"	3 7/16"
DC72019	S	.3480	4 7/8"	3 1/2"
DC72020	T	.3580	4 7/8"	3 1/2"
DC72021	U	.3680	5"	3 5/8"
DC72022	V	.3770	5"	3 5/8"
DC72023	W	.3860	5 1/8"	3 3/4"
DC72024	X	.3970	5 1/8"	3 3/4"
DC72025	Y	.4040	5 1/4"	3 7/8"
DC72026	Z	.4130	5 1/4"	3 7/8"

Aircraft Extension Drills

COBALT EXTENSION DRILLS NUMBERS SIZES – NAS907

- Cobalt Aircraft Extension Drills are manufactured according to National Aerospace Standards meeting NAS907 Type J specifications. Flute lengths are identical to Jobber drills but with an extended shank for drilling holes in hard to reach places. Surface treated and heavy drilling for drilling in tough, high tensile strength materials like stainless steel, titanium and inconel
- The self-centering 135 degree split-point helps to eliminate walking of the drill point thus providing more accurate drilling
- These HSSCO drills are made from heat resistant cobalt steel, with heavy duty construction suited to drilling high strength alloys.



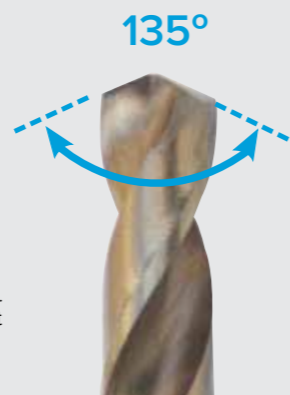
Part No.	Drill Dia.	Dec	OAL	FL
DC80010	10	.1935	6"	2 1/4"
DC80011	11	.1910	6"	2 1/4"
DC80012	12	.1890	6"	2 1/4"
DC80013	13	.1850	6"	2 3/16"
DC80014	14	.1820	6"	2 3/16"
DC80015	15	.1800	6"	2 3/16"
DC80016	16	.1770	6"	2 3/16"
DC80017	17	.1730	6"	2 3/16"
DC80018	18	.1695	6"	2 1/8"
DC80019	19	.1660	6"	2 1/8"
DC80020	20	.1610	6"	2 1/8"
DC80021	21	.1590	6"	2 1/8"
DC80022	22	.1570	6"	2 1/8"
DC80023	23	.1540	6"	2 1/16"
DC80024	24	.1520	6"	2 1/16"
DC80025	25	.1490	6"	2 1/16"
DC80026	26	.1470	6"	2 1/16"
DC80027	27	.1440	6"	2 1/16"
DC80028	28	.1405	6"	1 15/16"
DC80029	29	.1360	6"	1 15/16"
DC80030	30	.1285	6"	1 15/16"
DC80031	31	.1200	6"	1 7/8"
DC80032	32	.1160	6"	1 7/8"
DC80033	33	.1130	6"	1 7/8"
DC80034	34	.110	6"	1 7/8"
DC80035	35	.1100	6"	1 7/8"
DC80036	36	.1065	6"	1 13/16"
DC80037	37	.1040	6"	1 13/16"
DC80038	38	.1015	6"	1 13/16"
DC80039	39	.0995	6"	1 13/16"
DC80040	40	.0980	6"	1 13/16"
DC80041	41	.0960	6"	1 13/16"

Part No.	Drill Dia.	Dec	OAL	FL
DC90010	10	.1935	12"	2 1/4"
DC90011	11	.1910	12"	2 1/4"
DC90012	12	.1890	12"	2 1/4"
DC90013	13	.1850	12"	2 3/16"
DC90014	14	.1820	12"	2 3/16"
DC90015	15	.1800	12"	2 3/16"
DC90016	16	.1770	12"	2 3/16"
DC90017	17	.1730	12"	2 3/16"
DC90018	18	.1695	12"	2 1/8"
DC90019	19	.1660	12"	2 1/8"
DC90020	20	.1610	12"	2 1/8"
DC90021	21	.1590	12"	2 1/8"
DC90022	22	.1570	12"	2 1/8"
DC90023	23	.1540	12"	2 1/16"
DC90024	24	.1520	12"	2 1/16"
DC90025	25	.1490	12"	2 1/16"
DC90026	26	.1470	12"	2 1/16"
DC90027	27	.1440	12"	2 1/16"
DC90028	28	.1405	12"	1 15/16"
DC90029	29	.1360	12"	1 15/16"
DC90030	30	.1285	12"	1 15/16"
DC90031	31	.1200	12"	1 7/8"
DC90032	32	.1160	12"	1 7/8"
DC90033	33	.1130	12"	1 7/8"
DC90034	34	.110	12"	1 7/8"
DC90035	35	.1100	12"	1 7/8"
DC90036	36	.1065	12"	1 13/16"
DC90037	37	.1040	12"	1 13/16"
DC90038	38	.1015	12"	1 13/16"
DC90039	39	.0995	12"	1 13/16"
DC90040	40	.0980	12"	1 13/16"
DC90041	41	.0960	12"	1 13/16"
DC90042	42	.0935	12"	2 1/4"
DC90043	43	.0890	12"	2 1/4"
DC90044	44	.0860	12"	2 1/8"



135° Angle Split-Point Drill

- Self centering due to split-point
- Less force required than conventional 118° drills
- Cuts a continuous swarf (peeling type shaving) if used at correct RPM for material - typically a slower speed. If run too fast, the efficiency of the cutting edge is lost which leads to blunting
- Better suited to hand portable type drilling



COBALT EXTENSION DRILLS FRACTIONAL SIZES – NAS907

- Cobalt Aircraft Extension Drills are manufactured according to National Aerospace Standards meeting NAS907 Type J specifications. Flute lengths are identical to Jobber drills but with an extended shank for drilling holes in hard to reach places. Surface treated and heavy drilling for drilling in tough, high tensile strength materials like stainless steel, titanium and inconel
- The self-centering 135 degree split-point helps to eliminate walking of the drill point thus providing more accurate drilling
- These HSSCO drills are made from heat resistant cobalt steel, with heavy duty construction suited to drilling high strength alloys.



Part No.	Drill Dia.	Dec	OAL	FL
DC810116	1/16"	.0625	6"	7/8"
DC810564	5/64"	.0781	6"	1"
DC810332	3/32"	.0938	6"	1 1/4"
DC810764	7/64"	.1094	6"	1 1/2"
DC810018	1/8"	.1250	6"	1 5/8"
DC810964	9/64"	.1406	6"	1 3/4"
DC810532	5/32"	.1562	6"	2"
DC811164	11/64"	.1719	6"	2 1/8"
DC810316	3/16"	.1875	6"	2 5/16"
DC811364	13/64"	.2031	6"	2 7/16"
DC810732	7/32"	.2188	6"	2 1/2"
DC811564	15/64"	.2344	6"	2 5/8"
DC810014	1/4"	.2500	6"	2 3/4"
DC811764	17/64"	.2656	6"	2 7/8"
DC810932	9/32"	.2812	6"	2 15/16"
DC811964	19/64"	.2969	6"	3 1/16"
DC810516	5/16"	.3125	6"	3 3/16"
DC812164	21/64"	.3281	6"	3 5/16"
DC811132	11/32"	.3438	6"	3 7/16"
DC812364	23/64"	.3594	6"	3 1/2"
DC810038	3/8"	.3750	6"	3 5/8"
DC812564	25/64"	.3906	6"	3 3/4"
DC811332	13/32"	.4062	6"	3 7/8"
DC812764	27/64"	.4219	6"	3 15/16"
DC810716	7/16"	.4375	6"	4 1/16"
DC812964	29/64"	.4531	6"	4 3/16"
DC811532	15/32"	.4688	6"	4 5/16"
DC813164	31/64"	.4844	6"	4 3/8"
DC810012	1/2"	.5000	6"	4 1/2"

Part No.	Drill Dia.	Dec	OAL	FL
DC910116	1/16"	.0625	12"	7/8"
DC910564	5/64"	.0781	12"	1"
DC910332	3/32"	.0938	12"	1 1/4"
DC910764	7/64"	.1094	12"	1 1/2"
DC910018	1/8"	.1250	12"	1 5/8"
DC910964	9/64"	.1406	12"	1 3/4"
DC910532	5/32"	.1562	12"	2"
DC911164	11/64"	.1719	12"	2 1/8"
DC910316	3/16"	.1875	12"	2 5/16"
DC911364	13/64"	.2031	12"	2 7/16"
DC910732	7/32"	.2188	12"	2 1/2"
DC911564	15/64"	.2344	12"	2 5/8"
DC910014	1/4"	.2500	12"	2 3/4"
DC911764	17/64"	.2656	12"	2 7/8"
DC910932	9/32"	.2812	12"	2 15/16"
DC911964	19/64"	.2969	12"	3 1/16"
DC910516	5/16"	.3125	12"	3 3/16"
DC912164	21/64"	.3281	12"	3 5/16"
DC911132	11/32"	.3438	12"	3 7/16"
DC912364	23/64"	.3594	12"	3 1/2"
DC910038	3/8"	.3750	12"	3 5/8"
DC912564	25/64"	.3906	12"	3 3/4"
DC911332	13/32"	.4062	12"	3 7/8"
DC912764	27/64"	.4219	12"	3 15/16"
DC910716	7/16"	.4375	12"	4 1/16"
DC912964	29/64"	.4531	12"	4 3/16"
DC911532	15/32"	.4688	12"	4 5/16"
DC913164	31/64"	.4844	12"	4 3/8"
DC910012	1/2"	.5000	12"	4 1/2"

Due to the range and combinations of sizes, a min. order quantity (MOQ) may apply.

Specialist Drills

LEFT HAND DRILLS 118° HSS

For use in left hand spindle rotation typically for use in screw extraction when drilling out broken studs or fasteners



Part No.	Drill Diameter	OAL (Nom.)
300LH-5/64	5/64	50mm
300LH-3/32	3/32	57mm
300LH-7/64	7/64	66mm
300LH-1/8	1/8	70mm
300LH-9/64	9/64	73mm
300LH-5/32	5/32	78mm

Part No.	Drill Diameter	OAL (Nom.)
300LH-11/64	11/64	82mm
300LH-3/16	3/16	89mm
300LH-13/64	13/64	91mm
300LH-7/32	7/32	95mm
300LH-15/64	15/64	97mm
300LH-1/4	1/4	101mm

SOLID CARBIDE STUBBY DRILL

For drilling abrasive type materials when drilling accuracy must be maintained. Used in high temperature applications. Typically used to drill cast iron, aluminium, copper, plastics, bronze and other similar materials. Not recommended for drilling steel.



Part No.	Drill Diameter	OAL (Nom.)
C600-3/32	3/32	44mm
C600-7/64	7/64	46mm
C600-1/8	1/8	47mm
C600-9/64	9/64	49mm
C600-5/32	5/32	52mm
C600-11/64	11/64	54mm

Part No.	Drill Diameter	OAL (Nom.)
C600-3/16	3/16	55mm
C600-13/64	13/64	57mm
C600-7/32	7/32	60mm
C600-15/64	15/64	62mm
C600-1/4	1/4	64mm

SOLID CARBIDE DRILL

For drilling abrasive type materials when drilling accuracy must be maintained. Used in high temperature applications. Typically used to drill cast iron, aluminium, copper, plastics, bronze and other similar materials. Not recommended for drilling steel.



Part No.	Drill Diameter	OAL (Nom.)
C800-3/64	3/64	38mm
C800-1/16	1/16	38mm
C800-5/64	5/64	44mm
C800-3/32	3/32	51mm
C800-7/64	7/64	57mm
C800-1/8	1/8	57mm
C800-9/64	9/64	64mm

Part No.	Drill Diameter	OAL (Nom.)
C800-5/32	5/32	64mm
C800-11/64	11/64	70mm
C800-3/16	3/16	70mm
C800-13/64	13/64	76mm
C800-7/32	7/32	76mm
C800-15/64	15/64	83mm
C800-1/4	1/4	83mm

COBALT AIRCRAFT STOVE BURNER DRILLS

Part No.	Drill Diameter	OAL	FL
DSB96008	#8	6"	7/8"
DSB96010	#10	6"	1"
DSB96011	#11	6"	1 1/4"
DSB96012	#12	6"	1 1/2"
DSB96013	#13	6"	1 5/8"
DSB96015	#15	6"	1 3/4"
DSB96016	#16	6"	2"
DSB96020	#20	6"	2 1/8"
DSB96021	#21	6"	2 5/16"
DSB96027	#27	6"	2 7/16"
DSB96030	#30	6"	2 1/2"
DSB96040	#40	6"	2 5/8"
DSB96065	1/8"	6"	2 3/4"
DSB96067	5/32"	6"	2 7/8"
DSB96069	3/16"	6"	2 15/16"
DSB96093	D	6"	3 1/16"
DSB96073	1/4"	6"	3 3/16"
DSB96077	5/16"	6"	3 5/16"



Cobalt HSS in jobber sizes, 135° split point, uncleared for improved roundness

135° Angle Split-Point Drill

- Self centering due to split-point
- Less force required than conventional 118° drills
- Cuts a continuous swarf (peeling type shaving) if used at correct RPM for material - typically a slower speed. If run too fast, the efficiency of the cutting edge is lost which leads to blunting
- Better suited to hand portable type drilling

COBALT AIRCRAFT GUN BARREL DRILLS

Cobalt HSS in jobber sizes, 165° point uncleared for improved roundness

Part No.	Drill Diameter	OAL	FL
DGB96008	#8	92mm	62mm
DGB96010	#10	92mm	62mm
DGB96011	#11	89mm	59mm
DGB96012	#12	89mm	59mm
DGB96013	#13	89mm	59mm
DGB96015	#15	86mm	59mm
DGB96016	#16	86mm	56mm
DGB96020	#20	83mm	54mm
DGB96021	#21	83mm	54mm
DGB96027	#27	76mm	48mm
DGB96030	#30	70mm	42mm
DGB96040	#40	61mm	35mm
DGB96065	1/8"	70mm	42mm
DGB96067	5/32"	79mm	51mm
DGB96069	3/16"	89mm	59mm
DGB96093	D	102mm	70mm
DGB96073	1/4"	102mm	70mm
DGB96077	5/16"	114mm	81mm



165° Angle Split-Point Drill

- Self centering due to split-point
- Less force required than conventional 118° drills
- Cuts a continuous swarf (peeling type shaving) if used at correct RPM for material - typically a slower speed. If run too fast, the efficiency of the cutting edge is lost which leads to blunting
- Better suited to hand portable type drilling

COBALT AIRCRAFT GUN BARREL DRILLS 1/4 – 28 THREADED

Threaded cobalt HSS Drill, 165° point uncleared for improved roundness hole.

Part No.	Drill Diameter	OAL (Nom.)
DGB97008	#8	54mm
DGB97010	#10	54mm
DGB97011	#11	54mm
DGB97012	#12	54mm
DGB97013	#13	54mm
DGB97015	#15	54mm
DGB97016	#16	54mm
DGB97020	#20	54mm
DGB97021	#21	54mm
DGB97027	#27	54mm
DGB97030	#30	54mm
DGB97040	#40	54mm
DGB97065	1/8"	54mm
DGB97067	5/32"	54mm
DGB97069	3/16"	54mm
DGB97093	D	54mm
DGB97073	1/4"	54mm
DGB97077	5/16"	54mm
DGB981250	0.1250"	54mm
DGB981256	0.1256"	54mm
DGB981562	0.1562"	54mm
DGB981610	0.1610"	3-1/8"
DGB981850	0.1850"	54mm
DGB981870	0.1870"	54mm
DGB981875	0.1875"	54mm
DGB981900	0.1900"	54mm
DGB981990	0.1990"	54mm
DGB982000	0.2000"	54mm
DGB982090	0.2090"	54mm
DGB982150	0.2150"	54mm



165° Angle Split-Point Drill

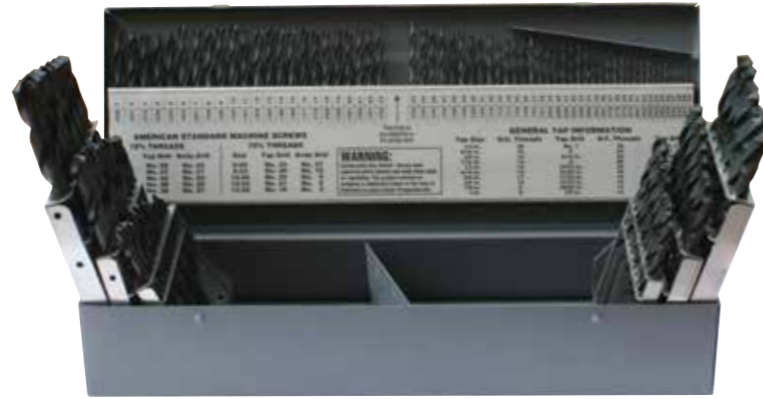
- Self centering due to split-point
- Less force required than conventional 118° drills
- Cuts a continuous swarf (peeling type shaving) if used at correct RPM for material - typically a slower speed. If run too fast, the efficiency of the cutting edge is lost which leads to blunting
- Better suited to hand portable type drilling

Part No.	Drill Diameter	OAL (Nom.)
DGB982160	0.2160"	54mm
DGB982460	0.2460"	54mm
DGB982470	0.2470"	54mm
DGB982480	0.2480"	54mm
DGB982630	0.2630"	54mm
DGB983090	0.3090"	54mm
DGB983100	0.3100"	54mm
DGB983410	0.3410"	54mm
DGB983430	0.3430"	54mm
DGB983750	0.3750"	54mm

Other sizes available – please enquire.

DRILL SETS – NUMBER, LETTER & FRACTIONAL SIZES – NAS907

- HSS & Cobalt Drill Sets with 135° split points.
- Strong, rugged metal case



Part No.	Description	Type	No. of Drills	Size Range
DHS 7115	Jobber Drill Set	HSS	135pce	1/16-1/2 (64ths), A-Z, #1-#80
DCS 7115	Jobber Drill Set	Cobalt	135pce	1/16-1/2 (64ths), A-Z, #1-#80

STANDARD DRILL SETS – IMPERIAL

- HSS Titanium Nitride coated with 135° split points.
- Strong, rugged metal case



Part No.	No. of Drills	Size Range
SI13	13	1/16 - 1/4"
SI21	21	1/16 - 3/8"
SI29	29	1/16 - 1/2" Straight Shank
SI29R	29	1/16 - 1/2" Reduced Shank

STANDARD DRILL SETS – METRIC

- HSS Titanium Nitride coated with 135° split points.
- Strong, rugged metal case



Part No.	No. of Drills	Size Range
SM13	13	1.5 - 6.5mm
SM19	19	1.0 - 10.0mm
SM25	25	1.0 - 13.0mm Straight Shank
SM25R	25	1.0 - 13.0mm Reduced Shank

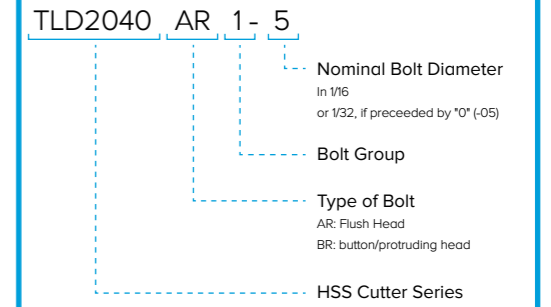
Taper-Lok Cutters

TAPER-LOK CUTTERS

Taper-Lok drills and reamers are manufactured to the most stringent tolerances for precision hole preparation. Standard in HSS or M7 high speed steel, they are also available in cobalt and carbide. A complete line of Taper-Lok gauging tools is also available.



Part No.	Part No.	Part No.	Part No.
TLD2040AR1-04	TLD2040BR1-04	TLD2060AR1-04	TLD2060BR1-04
TLD2040AR1-05	TLD2040BR1-05	TLD2060AR1-05	TLD2060BR1-05
TLD2040AR1-3	TLD2040BR1-3	TLD2060AR1-3	TLD2060BR1-3
TLD2040AR1-07	TLD2040BR1-07	TLD2060AR1-07	TLD2060BR1-07
TLD2040AR1-4	TLD2040BR1-4	TLD2060AR1-4	TLD2060BR1-4
TLD2040AR1-5	TLD2040BR1-5	TLD2060AR1-5	TLD2060BR1-5
TLD2040AR1-6	TLD2040BR1-6	TLD2060AR1-6	TLD2060BR1-6
TLD2040AR1-7	TLD2040BR1-7	TLD2060AR1-7	TLD2060BR1-7
TLD2040AR1-8	TLD2040BR1-8	TLD2060AR1-8	TLD2060BR1-8
TLD2040AR1-9	TLD2040BR1-9	TLD2060AR1-9	TLD2060BR1-9
TLD2040AR2-3	TLD2040BR2-3	TLD2060AR2-3	TLD2060BR2-3
TLD2040AR2-4	TLD2040BR2-4	TLD2060AR2-4	TLD2060BR2-4
TLD2040AR2-5	TLD2040BR2-5	TLD2060AR2-5	TLD2060BR2-5
TLD2040AR2-6	TLD2040BR2-6	TLD2060AR2-6	TLD2060BR2-6
TLD2040AR2-7	TLD2040BR2-7	TLD2060AR2-7	TLD2060BR2-7
TLD2040AR2-8	TLD2040BR2-8	TLD2060AR2-8	TLD2060BR2-8
TLD2040AR2-9	TLD2040BR2-9	TLD2060AR2-9	TLD2060BR2-9
TLD2040AR2-10	TLD2040BR2-10	TLD2060AR2-10	TLD2060BR2-10
TLD2040AR3-3	TLD2040BR3-3	TLD2060AR3-3	TLD2060BR3-3
TLD2040AR3-4	TLD2040BR3-4	TLD2060AR3-4	TLD2060BR3-4
TLD2040AR3-5	TLD2040BR3-5	TLD2060AR3-5	TLD2060BR3-5
TLD2040AR3-6	TLD2040BR3-6	TLD2060AR3-6	TLD2060BR3-6
TLD2040AR3-7	TLD2040BR3-7	TLD2060AR3-7	TLD2060BR3-7
TLD2040AR3-8	TLD2040BR3-8	TLD2060AR3-8	TLD2060BR3-8
TLD2040AR3-9	TLD2040BR3-9	TLD2060AR3-9	TLD2060BR3-9
TLD2040AR3-10	TLD2040BR3-10	TLD2060AR3-10	TLD2060BR3-10
TLD2040AR3-12	TLD2040BR3-12	TLD2060AR3-12	TLD2060BR3-12
TLD2040AR3-14	TLD2040BR3-14	TLD2060AR3-14	TLD2060BR3-14
TLD2040AR4-3	TLD2040BR4-3	TLD2060AR4-3	TLD2060BR4-3
TLD2040AR4-4	TLD2040BR4-4	TLD2060AR4-4	TLD2060BR4-4
TLD2040AR4-5	TLD2040BR4-5	TLD2060AR4-5	TLD2060BR4-5
TLD2040AR4-6	TLD2040BR4-6	TLD2060AR4-6	TLD2060BR4-6
TLD2040AR4-7	TLD2040BR4-7	TLD2060AR4-7	TLD2060BR4-7
TLD2040AR4-8	TLD2040BR4-8	TLD2060AR4-8	TLD2060BR4-8
TLD2040AR4-9	TLD2040BR4-9	TLD2060AR4-9	TLD2060BR4-9
TLD2040AR4-10	TLD2040BR4-10	TLD2060AR4-10	TLD2060BR4-10
TLD2040AR4-12	TLD2040BR4-12	TLD2060AR4-12	TLD2060BR4-12
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TLD2040AR4-16	TLD2040BR4-16	TLD2060AR4-16	TLD2060BR4-16
TLD2040AR5-3	TLD2040BR5-3	TLD2060AR5-3	TLD2060BR5-3
TLD2040AR5-4	TLD2040BR5-4	TLD2060AR5-4	TLD2060BR5-4
TLD2040AR5-5	TLD2040BR5-5	TLD2060AR5-5	TLD2060BR5-5
TLD2040AR5-6	TLD2040BR5-6	TLD2060AR5-6	TLD2060BR5-6
TLD2040AR5-7	TLD2040BR5-7	TLD2060AR5-7	TLD2060BR5-7
TLD2040AR5-8	TLD2040BR5-8	TLD2060AR5-8	TLD2060BR5-8
TLD2040AR5-9	TLD2040BR5-9	TLD2060AR5-9	TLD2060BR5-9
TLD2040AR5-10	TLD2040BR5-10	TLD2060AR5-10	TLD2060BR5-10
TLD2040AR5-12	TLD2040BR5-12	TLD2060AR5-12	TLD2060BR5-12
TLD2040AR5-14	TLD2040BR5-14	TLD2060AR5-14	TLD2060BR5-14
TLD2040AR5-16	TLD2040BR5-16	TLD2060AR5-16	TLD2060BR5-16



CUSTOM KITS AVAILABLE ON REQUEST



Drilling Accessories

DRILL STOPS

Drill stops with coiled spring to prevent surface damage from uncontrolled break-through when drilling. The Drill stops feature a positive stop and cushioned spring contact while the rounded smooth face eliminates marking and prevents the drill chuck from marring the surface.



Part No.	Drill Size	Length	Colour
DS1050	#50	33mm	
DS1041	#41	33mm	
DS1040	#40	33mm	Zinc
DS1030	#30	33mm	Copper
DS1028	#28	33mm	
DS1027	#27	33mm	
DS1021	#21	38mm	Black
DS1020	#20	38mm	Zinc
DS1017	#17	38mm	
DS1016	#16	38mm	
DS1012	#12	38mm	
DS1011	#11	38mm	
DS1010	#10	38mm	Brass
DS1006	#6	38mm	
DS1001	#1	38mm	

Part No.	Drill Size	Length	Colour
DS1973	7/32"	54mm	70mm
DS1993	9/32"	54mm	81mm
DS1938	3/8"	54mm	
DS1971	7/16"	54mm	

5 PIECE DRILL STOP SET – NO-MAR

"NO-MAR" Drill Stops feature a plastic nose piece where you want to reduce the chance of material damage: ideally suited for use on composite surfaces, polished/painted surfaces, or any sensitive type area.

Contents:
#40; #30; #20; #10; 1/4"



Part No.	Description
DS2000	5 Piece Drill Stop Set No-Mar

SMALL OD DRILL BUSHINGS

Press-fit drill bushings are characterized by the tight dimensional and positional tolerances in connection with the hardened and precision machined surface

Can be supplied as a kit of 17 PCS
Part no: **DB4500**:



Part No.	Size OD	Decimal OD	Size ID	Decimal ID
DB4481	#21	0.1590	#40	0.0980
DB4482	#13	0.1850	#40	0.0980
DB4483	#10	0.1935	#40	0.0980
DB4484	#10	0.1935	#30	0.1285
DB4485	#8	0.1990	#40	0.0980
DB4486	#8	0.1990	#30	0.1285
DB4487	#3	0.2130	#30	0.1285
DB4488	D	0.2460	#30	0.1285
DB4489	D	0.2460	#10	0.1935
DB4490	1/4"	0.2500	#40	0.0980
DB4491	1/4"	0.2500	#30	0.1285
DB4492	1/4"	0.2500	#10	0.1935
DB4493	0.2600	0.2600	#30	0.1285
DB4494	0.2600	0.2600	#10	0.1935
DB4495	5/16"	0.3125	#30	0.1285
DB4496	5/16"	0.3125	#10	0.1935
DB4497	5/16"	0.3125	1/4"	0.2500

RIVET FAN SPACING TOOL

- Accordion fan spacing tool easily marks from 1/2" to 2" spacing in 1/4" increments
- Marked for standard rivet spacing increments
- Spacing Sizes are stamped on the tool for easy reference
- Quick, accurate layout of even spaced rivet holes



Part No.	Description
RS4002	Rivet Fan Spacing Tool 20 Hole
RS4001	Rivet Fan Spacing Tool 10 Hole

DRILL BLOCK

- Drill block, 94 x 38 x 25mm with drill bushings
- Set up with #40, #30, #21, #10 Drill Sizes
- Profile is has "feet" on the bottom, permitting quick chip ejection



Part No.	Description
DB1000	Drill Block 4 Hole

COLLET CHUCKS 1/4"-28

- Chuck holds one Size, as per specified Size
- 1/4"-28 thread standard



Part No.	Description	Size
CC4040	Collet Chuck	#40
CC4030	Collet Chuck	#30
CC4027	Collet Chuck	#27
CC4021	Collet Chuck	#21
CC4019	Collet Chuck	#19
CC4016	Collet Chuck	#16
CC4013	Collet Chuck	#13
CC4011	Collet Chuck	#11
CC4010	Collet Chuck	#10
CC4008	Collet Chuck	#8
CC4933	Collet Chuck	3/32"
CC4918	Collet Chuck	1/8"
CC4953	Collet Chuck	5/32"
CC4914	Collet Chuck	1/4"

DRILL COLLETS 9/32-40

For use on all 9/32-40 internal spindle angle drills. collets are made to the highest standard. Designed for use on Atlas Copco, Desoutter (D375, D370, D331, D321, D33, D32) and Ingersoll Rand angle drills.



Part No.	Size	Decimal Eq.	Closest Metric
DC1052	#52	.0635"	1.6mm
DC1051	#51	.0670"	1.7mm
DC1050	#50	.0700"	1.8mm
DC1049	#49	.0730"	1.9mm
DC1048	#48	.0760"	1.9mm
DC1047	#47	.0785"	2.0mm
DC1046	#46	.0810"	2.1mm
DC1045	#45	.0820"	2.1mm
DC1044	#44	.0860"	2.2mm
DC1043	#43	.0890"	2.3mm
DC1042	#42	.0935"	2.4mm
DC1041	#41	.0960"	2.4mm
DC1040	#40	.0980"	2.5mm
DC1039	#39	.0995"	2.5mm
DC1038	#38	.1015"	2.6mm
DC1037	#37	.1040"	2.6mm
DC1034	#36	.1065"	2.7mm
DC1035	#35	.1110"	2.8mm
DC1034	#34	.1110"	2.8mm
DC1033	#33	.1130"	2.9mm
DC1032	#32	.1160"	2.9mm
DC1031	#31	.1200"	3.0mm
DC1030	#30	.1285"	3.3mm
DC1029	#29	.1360"	3.5mm
DC1028	#28	.1405"	3.6mm

THREADED PAINT CUTTERS 1/4"-28

- Designed to remove a small ring of paint around the head of screws that have been painted over
- Reduces paint chipping during screw removal
- Ideally used in Chuck to Threaded Drill Adapter Extensions



Part No.	Fastener Size	Cutter Diameter	Colour
PC1003	3/32"	3.17mm / 0.187"	Silver
PC1004	1/8"	6.45mm / 0.254"	Copper
PC1006	5/32"	7.13mm / 0.281"	Black
PC1007	3/16"	8.33mm / 0.328"	Brass
PC1009	1/4"	11.5mm / 0.453"	Copper

COLLET HOLDER

- A convenient way to store up to 12 threaded COLLETS
- 9/32-40 threaded holes to securely hold your COLLETS.
- Made of Aluminium



Part No.	Description	Dimensions
DCH012	Collet Holder	80 x 50 x 12 mm

Part No.	Size	Decimal Eq.	Closest Metric
DC1027	#27	.1440"	3.7mm
DC1026	#26	.1470"	3.7mm
DC1025	#25	.1495"	3.8mm
DC1024	#24	.1520"	3.9mm
DC1023	#23	.1540"	3.9mm
DC1022	#22	.1570"	4.0mm
DC1021	#21	.1590"	4.0mm
DC1020	#20	.1610"	4.1mm
DC1019	#19	.1660"	4.2mm
DC1018	#18	.1695"	4.3mm
DC1017	#17	.1730"	4.4mm
DC1016	#16	.1770"	4.5mm
DC1015	#15	.1800"	4.6mm
DC1014	#14	.1820"	4.6mm
DC1013	#13	.1850"	4.7mm
DC1911	1/16"	.0625"	1.6mm
DC1956	5/64"	.0781"	2.0mm
DC1933	3/32"	.0937"	2.4mm
DC1976	7/64"	.1094"	2.8mm
DB 1918	1/8"	.1250"	3.2mm
DC1996	9/64"	.1406"	3.6mm
DC1953	5/32"	.1562"	4.0mm
DC1964	11/64"	.1719"	4.4mm
DC1931	3/16"	.1875"	4.8mm

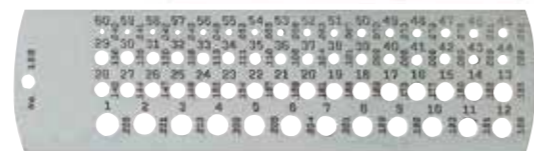
DRILL GAGES

- High quality, heavy gauge drill gages for easy identification of Drill Sizes.
- Machined and ground to close tolerances with hole Sizes permanently etched into the face of each gauge.

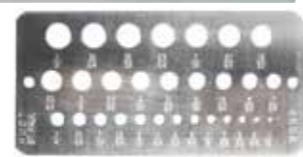
DG0198



DG0186



DG0187



Part No.	Description	Drill Type	Finish
DG0198	Drill Gage	A-Z	satn finish
DG0186	Drill Gage	1-60	matt black
DG0187	Drill Gage	1/16 - 1/2	satn finish

MINI CHUCK 1/4-28

Fits most angle drills with female 1/4" - 28 threaded spindle to use as an alternative to threaded shank adapter drills. (preferable to use threaded drills)



Part No.	Description	Capacity
CT1428	Mini Chuck	1/4"

MINI DRILL CHUCK THREADED 1/4-28 WITH CHUCK KEY

- Fits most angle drills with female 1/4" - 28 thread
- Use straight shank drills with any threaded spindle tool



Part No.	Description	Capacity
CM 1428	Mini Chuck	1/4"

CHUCK TO THREADED DRILL ADAPTER EXTENSIONS

Convert a standard chuck drill to accept 1/4 - 28 threaded drills



Part No.	Size
DA1247	Chucking Drill Extension 50mm
DA1248	Chucking Drill Extension 100mm
DA1249	Chucking Drill Extension 150mm
DA1250	Chucking Drill Extension 200mm

THREADED DRILL TO THREADED DRILL EXTENSION

Male 1/4-28 to female 1/4-28 extension, 50mm long



Part No.	Description
DA1246	Extension 1/4-28

SLIP BUSHING DRILL STAND – "EGG CUP"

- A guide assembly for keeping drills or taps at 90° to work surface.
- The guide housing is made in the USA of GE Lexan®, which is virtually unbreakable, No-Mar and ensures a well-lit work surface.
- Accepts industry standard 1/2" OD slip bushings



Part No.	Description
SBS1000	Drill Stand for Slip Bushings

CHIP CHASER – HEAVY DUTY

- For hooking out chips between sheets after drilling, easily forming to curves.
- With molded plastic handle, flexible steel blade with hook.
- Also great for removing screws and other items stuck in difficult to reach spots.



Part No.	Description	Blade Length
CC4100	Chip Chaser	75mm
CC4200	Chip Chaser	109mm
CC4300	Chip Chaser Set of 2	-

15 PIECE DRILL BUSHING KIT -SLIP TYPE

Contents:

- Slip bushings: #40, #30, #27, 5/32", #21, #20, #16, #13, 3/16", #10, #8, 1/4", D and 5/16"
- Drill Stand



Part No.	Description
SBK1000	15 Piece Drill Bushing Kit

SLIP BUSHINGS 1/2" OD

- Hardened steel to provide maximum wear and extended life
- For use with our "Egg Cup" Bushing Holder or our Slotted Bushing Holder (Snatch Block)



Part No.	Size	Closest Decimal
SB1040	#40	.0980
SB1918	1/8	.1250
SB1030	#30	.1285
SB1027	#27	.1440
SB1953	5/32	.1562
SB1021	#21	.1590
SB1020	#20	.1610
SB1019	#19	.1660
SB1016	#16	.1770
SB1013	#13	.1850
SB1931	3/16	.1875
SB1012	#12	.1890
SB1011	#11	.1910
SB1010	#10	.1935
SB1198	.198	.1980
SB1008	#8	.1990
SB1007	#7	.2010

Part No.	Size	Closest Decimal
SB1006	#6	.2040
SB1005	#5	.2055
SB1003	#3	.2130
SB1973	7/32	.2188
SB1001	#1	.2280
SB1915	15/64	.2344
SB1704	D	.2460
SB1914	1/4	.2500
SB1706	F	.2570
SB1707	G	.2610
SB1710	J	.2770
SB1993	9/32	.2812
SB1309	.309	.3090
SB1951	5/16	.3125
SB1938	3/8	.3750
SB1971	7/16	.4375

PRECISION OPTICAL HOLE LOCATOR "BOMBSITE"

- Made of virtually unbreakable optical grade clear acrylic
- Permanently etched crosshairs provide an extremely accurate and magnified reference point accurate to 0.001" dead centre
- Works with all standard 1/2" diameter slip bushing tools



Part No.	Description	Diameter
H72-349	Optical Hole Locator	1/2" / 12.7mm

CHANNEL DRILL STAND ONE HOLE

- Use in seat channels or other small areas
- Maintains your drill 90 degrees to the surface
- Made of clear plastic for easy viewing of hole location



Part No.	Description	Size (LxWxH)
H72-186	Channel Drill Stand	1-1/8 x 0.6 x 1 in

SLOTTED BUSHING HOLDER – SNATCH BLOCK

- Accepts 1/2" slip bushings
- Slip bushings are locked in place with a grub screw
- Use draw clecos or bolts through slotted body to position the holder over a mis-matched hole. Then drill through slip bushing to rectify
- Also affectionately known as known as "Steam Boat"



Part No.	Description
SBH1000	Slotted Bushing Holder"

DRILL BAR

- Adjustable, slip-type, includes lock screw and liner
- Provides accurate placement and alignment of drilled holes
- Use with the spotter to centre the drill bar within 0.001", then replace the spotter with a slip bushing and drill.



Part No.	Description	Size (LxWxH)
H72-346	Drill Bar	6 x 1-1/2 x 3/4 in

THREADED BUSHING DRILL STAND – "EGG CUP"

- A guide assembly for keeping drills or taps at 90° to work surface.
- The guide housing is made in the USA of GE Lexan®, which is virtually unbreakable, No-Mar and ensures a well-lit work surface.
- Accepts 1/2"-13 threaded drill bushings,



Part No.	Description
TBS1000	Drill Stand for Threaded Slip Bushings

15 PIECE DRILL BUSHING KIT – THREADED TYPE

Contents:

- Slip bushings: #40, #30, #27, 5/32", #21, #20, #16, #13, 3/16", #10, #8, 1/4", D & 5/16"
- Drill Stand



Part No.	Description
TBK1000	15 Piece Drill Bushing Kit Threaded

Nut Plate Drill Jigs

Anchor Nuts, or Nut Plate Jigs are manufactured to precise tolerances to facilitate accurate rivet hole drilling, reduction of wear and assurance of consistent hole-spacing. Optimum design of pins and pilots make the tool much easier to use. Ergonomically designed handles fitted to flexible stainless steel spring blades provides clearance while the drill jig is in use.

Minimum order quantity may apply.

CORNER WING STANDARD (CWS)



Part No.	Spacing (A)	Pilot Dia. (C)	Drill Size (D)
NPJ518MB	.344	.1425	#40
NPJ518MC	.344	.1675	#40
NPJ518MD	.344	.192	#40
NPJ518MF	.500	.3145	#30
NPJ518MK	.344	.1645	#40
NPJ518ML	.344	.1875	#40
NPJ518MN	.500	.311	#30
NPJ518MP	.500	.373	#30
NPJ518MR	.562	.435	#30
NPJ518MT	.344	.2265	#40
NPJ518NAS-C-A5	.358	.312	#30
NPJ518R	.344	.139	#40
NPJ518S	.344	.164	#40
NPJ518T	.344	.191	#40
NPJ518U	.500	.248	#40
NPJ518V	.500	.312	#30
NPJ518W	.500	.372	#30
NPJ518X	.562	.4375	#30

CORNER WING MINIATURE (CWM)



Part No.	Spacing (A)	Pilot Dia. (C)	Drill Size (D)
NPJ518NAS-C-A02	.125	.086	#51
NPJ518NAS-C-A03	.138	.099	#51
NPJ518NAS-C-A04	.148	.112	#51
NPJ518SA	.203	.112	#40
NPJ518SB	.218	.139	#40
NPJ518SC	.234	.164	#40
NPJ518SD	.250	.191	#40
NPJ518SE	.281	.248	#40
NPJ518SF	.312	.312	#30
NPJ518SJ	.250	.1875	#40
NPJ518UA	.203	.14	#40
NPJ518UB	.218	.166	#40
NPJ518UC	.234	.193	#40
NPJ518UD	.250	.218	#40
NPJ518UE	.281	.281	#40
NPJ518UF	.312	.343	#30

SINGLE WING STANDARD (SWS)



Part No.	Nut Thread	Spacing (A)	Pilot Dia. (C)	Drill Size (D)
NPJ518G	#6	.344	.139	#40
NPJ518H	#8	.344	.164	#40
NPJ518J	#10	.344	.191	#40
NPJ518K	1/4"	.344	.248	#40
NPJ518NAS-D-A5	5/16"	.359	.312	#30
NPJ518NAS-D-A6	3/8"	.414	.372	#30
NPJ518RP	5/16"	.500	.3105	#30
NPJ518RG	5/16"	.500	.3145	#30
NPJ518FH	5/16"	.500	.372	#30
NPJ518RH	3/8"	.500	.373	#30
NPJ518RJ	7/16"	.500	.435	#30
NPJ518RB	#6	.344	.1425	#40
NPJ518RL	#8	.344	.1645	#40
NPJ518RC	#8	.344	.1675	#40
NPJ518RM	#10	.344	.1875	#40
NPJ518RD	#10	.344	.192	#40
NPJ518L	#10	.344	.213	#40
NPJ518RU	#8	.344	.2265	#40
NPJ518RE	1/4"	.344	.2555	#40
NPJ518LF	#8/#10	.344	.281	#40
NPJ518RW	1/4"	.344	.3105	#40
NPJ518RO	1/4"	.500	.248	#40
NPJ518RF	1/4"	.500	.2555	#40
NPJ518RX	1/4"	.500	.3105	#40
NPJ518YF	1/4"	.500	.343	#40

SINGLE WING MINIATURE (SWM)



Part No.	Nut Thread	Spacing (A)	Pilot Dia. (C)
NPJ518JA	#4	.203	.14
NPJ518JB	#6	.218	.166
NPJ518JC	#8	.234	.193
NPJ518JD	#10	.250	.218
NPJ518JE	1/4"	.281	.281
NPJ518NAS-B-A02	#2	.125	.086
NPJ518NAS-B-A03	#3	.133	.099
NPJ518NAS-B-A04	#4	.148	.112
NPJ518NAS-B-A06	#6	.171	.139
NPJ518PA	#4	.203	.112
NPJ518PB	#6	.218	.139
NPJ518PC	#8	.234	.164
NPJ518PD	#10	.250	.191
NPJ518PE	1/4"	.281	.248
NPJ518PF	-	.250	.1875

TWO-LUG DOUBLE WING MINIATURE (DWM)



Part No.	Spacing (A)	Spacing (B)	Pilot Dia. (C)	Drill Size (D)
NPJ518AA	.203	.406	.14	#40
NPJ518AB	.219	.437	.166	#40
NPJ518AC	.234	.468	.193	#40
NPJ518AD	.250	.500	.218	#40
NPJ518AE	.281	.562	.281	#40
NPJ518AF	.313	.625	.343	#30
NPJ518BA	.203	.406	.18	#40
NPJ518BB	.219	.437	.2055	#40
NPJ518BC	.234	.468	.234	#40
NPJ518BD	.250	.500	.257	#40
NPJ518BE	.281	.562	.323	#40
NPJ518BG	.359	.718	.373	#30
NPJ518NA	.203	.406	.112	#40
NPJ518NAS-1474A3	.295	.590	.191	#40
NPJ518NAS-A-A02	.125	.250	.086	#51
NPJ518NAS-A-A03	.133	.265	.099	#51
NPJ518NAS-A-A04	.148	.296	.112	#51
NPJ518NAS-A-A06	.172	.343	.139	#51
NPJ518NB	.218	.436	.139	#40
NPJ518NC	.234	.468	.164	#40
NPJ518ND	.250	.500	.191	#40
NPJ518NE	.281	.562	.248	#40
NPJ518NF	.313	.625	.312	#30
NPJ518NG	.234	.468	.1925	#40
NPJ518NH	.234	.468	.227	#40
NPJ518NJ	.250	.500	.1875	#40
NPJ518ZX	.539	.270	.248	#40

TWO-LUG DOUBLE WING STANDARD (DWS)



Part No.	Spacing (A)	Spacing (B)	Pilot Dia. (C)	Drill Size (D)
NPJ518A	.344	.688	.139	#40
NPJ518B	.344	.688	.164	#40
NPJ518BF	.344	.688	.281	#40
NPJ518C	.344	.688	.191	#40
NPJ518D	.500	1.00	.248	#40
NPJ518DF	.500	1.00	.343	#40
NPJ518E	.500	1.00	.312	#30
NPJ518F	.500	1.00	.372	#30
NPJ518GA	.500	1.00	.702	#30
NPJ518GB	.500	1.00	.593	#30
NPJ518GC	.687	.718	.718	#30
NPJ518GD	.500	1.00	.375	#30
NPJ518GE	.687	.500	.500	#30
NPJ518GF	.375	.750	.437	#40
NPJ518GG	.500	1.00	.656	#40
NPJ518GH	.375	.750	.397	#40
NPJ518GJ	.500	1.00	.281	#40
NPJ518GK	.500	1.00	.343	#30
NPJ518GL	.344	.688	.218	#40

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Part No.	Spacing (A)	Spacing (B)	Pilot Dia. (C)	Drill Size (D)
NPJ518GM	.344	.688	.312	#40
NPJ518GN	.625	.592	.592	#30
NPJ518GP	.562	.438	.4375	#30
NPJ518GR	.500	1.00	.271	#40
NPJ518GS	.500	1.00	.2955	#40
NPJ518GT	.438	.875	.373	#40
NPJ518HA	.687	.749	.749	#30
NPJ518HB	.687	.191	.191	#30
NPJ518HC	.687	.405	.405	#30
NPJ518HD	.500	1.00	.500	#30
NPJ518HE	.313	.625	.187	#40
NPJ518HF	.500	1.00	.191	#30
NPJ518HG	.500	1.00	.389	#30
NPJ518HH	.375	.750	.372	#40
NPJ518HJ	.500	1.00	.248	#30
NPJ518HK	.687	.656	.656	#30
NPJ518HL	.344	.688	.29	#40
NPJ518HM	.313	.625	.218	#40
NPJ518HN	.375	.750	.467	#40
NPJ518HO	.375	.750	.248	#40
NPJ518HP	.375	.750	.281	#40
NPJ518HS	.500	1.00	.561	#30
NPJ518HT	.500	1.00	.624	#30
NPJ518HU	.687	1.375	.938	#30
NPJ518HW	.592	.811	.811	#30
NPJ518HX	.450	.900	.372	#40
NPJ518HY	.700	1.40	.85	#30
NPJ518KA	.344	.688	.1185	#40
NPJ518KB	.344	.688	.1425	#40
NPJ518KC	.344	.688	.1675	#40
NPJ518KD	.344	.688	.192	#40
NPJ518KE	.500	1.00	.2555	#40
NPJ518KF	.500	1.00	.3145	#30
NPJ518KG	.500	1.00	.373	#30
NPJ518KH	.687	.435	.435	#30
NPJ518KJ	.687	.498	.498	#30
NPJ518KL	.344	.688	.1875	#40
NPJ518KM	.500	1.00	.248	#40
NPJ518KN	.500	1.00	.3105	#30
NPJ518KP	.500	1.00	.457	#30
NPJ518KT	.344	.688	.2265	#40
NPJ518KU	.344	.688	.2555	#40
NPJ518KV	.500	1.00	.3105	#40
NPJ518M	.375	.750	.4375	#40
NPJ518N	.500	1.00	.6875	#30
NPJ518P	.687	1.375	.811	#30

MINIATURE ANCHOR NUT (SLM)



Part No.	Spacing (A)	Spacing (B)	Pilot Dia. (C)
NPJ518TA	.250	.219	.191
NPJ518TB	.281	.219	.248
NPJ518TC	.312	.250	.312
NPJ518TD	.359	.269	.3125
NPJ518NAS-D-A5	.359	.269	.312
NPJ518NAS-D-A6	.414	.269	.372
NPJ518NAS-D-A08	.234	.219	.164
NPJ518TE	.250	.219	.1875

Holefinders and Manual Deburring

Minimum order quantity (MOQ) may apply.

PUNCH TYPE STRAP DUPLICATORS

The pin end locates into the hole below the panel. Duplication is performed by lightly tapping with a hammer to centre punch new panel.



Part No.	OAL	Drill Size & Pilot Dia.
SD1040	158mm	#40
SD1030	158mm	#30
SD1021	158mm	#21
SD1019	158mm	#19
SD1010-1	158mm	#10
SD1005	158mm	#5
SD1914	158mm	1/4
SD1704	158mm	F

Part No.	OAL	Drill Size & Pilot Dia.
SD4040	337mm	#40
SD4030	337mm	#30
SD4021	337mm	#21
SD4019	337mm	#19
SD4010	337mm	#10
SD4005	337mm	#5
SD4914	337mm	1/4
SD4704	337mm	F

BUSHING TYPE STRAP DUPLICATORS



Part No.	OAL	Drill Size & Pilot Dia.
SD2040	158mm	#40
SD2030	158mm	#30
SD2021	158mm	#21
SD2019	158mm	#19
SD2010	158mm	#10
SD2005	158mm	#5
SD2914	158mm	1/4
SD2704	158mm	F

Part No.	OAL	Drill Size & Pilot Dia.
SD5040	337mm	#40
SD5030	337mm	#30
SD5021	337mm	#21
SD5019	337mm	#19
SD5010	337mm	#10
SD5005	337mm	#5
SD5914	337mm	1/4
SD5704	337mm	F

BUSHING TYPE STRAP DUPLICATORS – INVERTED

Similar to bushing type except the pin end locates the hole to be duplicated from underneath.



Part No.	OAL	Drill Size & Pilot Dia.
SD3040	158mm	#40
SD3030	158mm	#30
SD3021	158mm	#21
SD3019	158mm	#19
SD3010	158mm	#10
SD3005	158mm	#5
SD3914	158mm	1/4
SD3704	158mm	F

Part No.	OAL	Drill Size & Pilot Dia.
SD6040	337mm	#40
SD6030	337mm	#30
SD6021	337mm	#21
SD6019	337mm	#19
SD6010	337mm	#10
SD6005	337mm	#5
SD6914	337mm	1/4
SD6704	337mm	F

TRANSFER PUNCH SETS

- Punches with Sharp point for transferring holes
- Punches are heat treated and about 124mm long



Part No.	Description	Drill Type	Pcs
TPS1328	Transfer Punch Set	3/32 - 1/2"	28
TPS1428	Transfer Punch Set, Economy	3/32 - 1/2"	28
TPS1326	Transfer Punch Set	A - Z	26
TPS1360	Transfer Punch Set	1 - 60	60

TRANSFER SCREW SETS

- Similar to Blind Hole Spotters, but threaded for use when you have existing nutplates
- Hollow handle stores six screws when not in use



Part No.	Description	Threaded Size
BHT0832	Transfer Screw Set	8-32
BHT1032	Transfer Screw Set	10-32
BHT1428	Transfer Screw Set	1/4-28

BLIND HOLE SPOTTERS

- Used to "spot" holes quickly
- High quality, heat treated



Part No.	Description	Diameter	Pcs
BHS1918	Blind Hole Spotter	1/8	6
BHS1030	Blind Hole Spotter	#30	6
BHS1953	Blind Hole Spotter	5/32	6
BHS1021	Blind Hole Spotter	#21	6
BHS1016	Blind Hole Spotter	#16	6
BHS1931	Blind Hole Spotter	3/16	6
BHS1010	Blind Hole Spotter	#10	6
BHS1914	Blind Hole Spotter	1/4	6
BHS1951	Blind Hole Spotter	5/16	6
BHS1938	Blind Hole Spotter	3/8	6
BHS1971	Blind Hole Spotter	7/16	6
BHS1912	Blind Hole Spotter	1/2	6

DEBURRING TOOLS – HEAVY DUTY

- Telescopic extension
- Curved blades swivel freely for easier reach
- Blades are stored in lightWeight plastic handle
- Includes four blades, also available individually for replacement



Part No.	Description
DT-5C-MK	Deburring Tool with 4 Blades
C10	3.2mm Blade for Steel, Copper, Aluminium, Zinc & Plastic
C20	3.2mm Blade for Brass & Cast Iron
P1	2.6mm Blade light duty/small components (materials C10)
P2	2.6mm Blade light duty/small components (materials C20)

EDGE BREAKER TOOL WITH SAFETY SHIELD



Part No.	Description
DB00514	Edge Breaker Tool

LIGHTWEIGHT DEBURRING TOOL

- Very popular all metal body with pocket clip
- Fitted with universal C10 swivel blade



Part No.	Description
DB6005	Economy Deburring Tool

BURNISHING TOOL

- Removes surface blemishes and scratches in sheet metal
- Comfortable-to-grip plastic handle



Part No.	Description
DB00103	Burnishing Tool

THREADED ROSEBUD DEBURRING BIT

- Six flute design reduces chattering and is ideal for quick deburring of holes from 1/16" - 3/8"
- Fits Dogleg Deburring tools and all 1/4-28 spindles



Part No.	Description
DB00525	Rosebud Deburring Bit

SPEED DRIVER DOG LEG DEBURRER

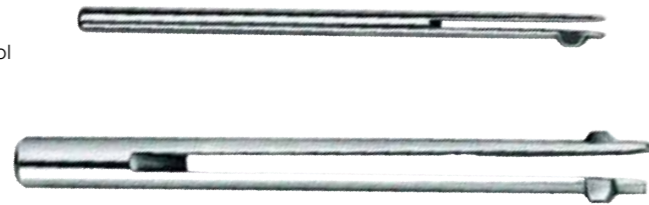
Permits quick deburring operations, accepting 1/4-28 threaded Rosebud deburring bits



Part No.	Description
DB06005	Dog Leg Deburring Handle (with tip)

BURR-OFF® DEBURRING TOOLS

- Deburr both sides in one pass
- Deburr 5 to 15 thousand holes per grind, up to four grinds per tool
- Handles tough jobs: interrupted/interference cuts, holes close to shoulders etc.



Part No.	Range	Shank	OAL
CP-4	0.062" - 0.078"	0.061"	3" (76.2mm)
CP-5	0.078" - 0.094"	0.077"	3" (76.2mm)
CP-6	0.093" - 0.109"	0.092"	4" (102mm)
CP-7	0.140" - 0.156"	0.139"	4" (102mm)
CP-8	0.125" - 0.140"	0.124"	4" (102mm)
CP-9	0.140" - 0.156"	0.139"	4" (102mm)
CP-10	0.156" - 0.172"	0.155"	4" (102mm)
CP-11	0.172" - 0.187"	0.171"	4" (102mm)
CP-12	0.187" - 0.203"	0.186"	4" (102mm)
CP-13	0.203" - 0.219"	0.202"	4" (102mm)
CP-14	0.219" - 0.234"	0.218"	4" (102mm)
CP-15	0.234" - 0.250"	0.233"	4" (102mm)
CP-16	0.250" - 0.266"	0.249"	4" (102mm)
CP-17	0.266" - 0.281"	0.265"	4" (102mm)
CP-18	0.281" - 0.297"	0.280"	4" (102mm)
CP-19	0.297" - 0.313"	0.296"	4" (102mm)
CP-20	0.313" - 0.328"	0.315"	4" (102mm)
CP-21	0.328" - 0.343"	0.327"	4" (102mm)
CP-22	0.093" - 0.109"	0.092"	4" (102mm)

Part No.	Range	Shank	OAL
CP-23	0.359" - 0.375"	0.358"	4" (102mm)
CP-24	0.375" - 0.390"	0.374"	4-1/2" (114mm)
CP-25	0.390" - 0.406"	0.389"	4-1/2" (114mm)
CP-26	0.406" - 0.422"	0.405"	4-1/2" (114mm)
CP-27	0.422" - 0.437"	0.420"	4-1/2" (114mm)
CP-28	0.437" - 0.453"	0.436"	5-1/2" (140mm)
CP-29	0.453" - 0.468"	0.452"	5-1/2" (140mm)
CP-30	0.468" - 0.484"	0.467"	5-1/2" (140mm)
CP-31	0.484" - 0.500"	0.483"	5-1/2" (140mm)
CP-32	0.500" - 0.515"	0.499"	7" (178mm)
CP-33	0.515" - 0.531"	0.514"	7" (178mm)
CP-34	0.531" - 0.547"	0.530"	7" (178mm)
CP-35	0.547" - 0.563"	0.545"	7" (178mm)
CP-36	0.563" - 0.578"	0.562"	7.5" (190.5mm)
CP-37	0.578" - 0.594"	0.577"	7.5" (190.5mm)
CP-38	0.594" - 0.609"	0.593"	7.5" (190.5mm)
CP-39	0.609" - 0.625"	0.608"	7.5" (190.5mm)
CP-40	0.625" - 0.641"	0.624"	7.5" (190.5mm)

BURRAWAY® DEBURRING TOOLS

- Deburr both sides in one pass
- Set screw adjustment controls depth of cut and releases blade for replacement
- Type A tools (inch program; for hole sizes from .093 through .203 in.) and Type MA tools (metric program; sizes from 2 to 5mm) are a two-piece construction (arbor assembly and adapter). All Type A and MA arbor assemblies are interchangeable with their respective shank adapters.
- Type B tools (inch program; for hole sizes from .218 through .750 in.) and Type MB tools (metric program; sizes from 5.5 through 19mm) are a single-piece construction.



Other sizes are available upon request.

Part No.	Hole Size	Decimal	Pilot Length	Overall Length	Shank Type	Replacement Blade
BA 0938	3/32"	0.0938"	0.45"	3-3/8" (86mm)	Type A: 1/4" Shank	BA 0938-1
BA0109	7/64"	0.1094"	0.45"	3-3/8" (86mm)	Type A: 1/4" Shank	BA0109-1
BA0125	1/8"	0.1250"	0.45"	3-3/8" (86mm)	Type A: 1/4" Shank	BA0125-1
BA0156	5/32"	0.1562"	0.45"	3-3/8" (86mm)	Type A: 1/4" Shank	BA0156-1
BA0187	3/16"	0.1875"	0.72"	4-1/8" (105mm)	Type A: 1/4" Shank	BA0187-1
BA0218	7/32"	0.2188"	0.87"	4-1/2" (114mm)	Type B: Straight Shank	BA0218-1
BA0250	1/4"	0.2500"	0.87"	4-1/2" (114mm)	Type B: Straight Shank	BA0250-1
BA0281	9/32"	0.2812"	0.87"	4-1/2" (114mm)	Type B: Straight Shank	BA0281-1
BA0312	5/16"	0.3125"	0.96"	4-1/2" (114mm)	Type B: Straight Shank	BA0312-1
BA0343	11/32"	0.3438"	0.96"	4-1/2" (114mm)	Type B: Straight Shank	BA0343-1
BA0375	3/8"	0.3750"	1.00"	5" (127mm)	Type B: Straight Shank	BA0375-1
BA0406	13/32"	0.4062"	1.00"	5" (127mm)	Type B: Straight Shank	BA0406-1
BA0437	7/16"	0.4375"	1.09"	5-1/2" (140mm)	Type B: Straight Shank	BA0437-1
BA0468	15/32"	0.4688"	1.09"	5-1/2" (140mm)	Type B: Straight Shank	BA0468-1
BA0500	1/2"	0.5000"	1.09"	5-1/2" (140mm)	Type B: Straight Shank	BA0500-1
BA0531	17/32"	0.5312"	1.09"	5-1/2" (140mm)	Type B: Straight Shank	BA0531-1
BA0562	9/16"	0.5625"	1.31"	6-1/2" (165mm)	Type B: Straight Shank	BA0562-1
BA0593	19/32"	0.5938"	1.31"	6-1/2" (165mm)	Type B: Straight Shank	BA0593-1
BA0625	5/8"	0.6250"	1.31"	6-1/2" (165mm)	Type B: Straight Shank	BA0625-1
BA0656	21/32"	0.6562"	1.31"	6-1/2" (165mm)	Type B: Straight Shank	BA0656-1
BA0687	11/16"	0.6875"	1.31"	6-1/2" (165mm)	Type B: Straight Shank	BA0687-1
BA 0750	3/4"	0.7500"	1.31"	6-1/2" (165mm)	Type B: Straight Shank	BA 0750-1

BURRAWAY® 5 PIECE DEBURRING SET

- Includes 1/8", 5/32", 3/16", 7/32", 1/4" tools and replacement blades in a fitted plastic case.



Part No.	Description
BA70938	5 Piece Deburring Set

UNIBIT STEP DRILLS

- Single-flute cutting edge for greater control through steps
- Hex shank prevents slipping in drill chuck
- New SpeedPoint tip penetrates faster than previous Unibits and prevents walking
- Ideal for drilling holes into thin materials such as stainless steel, copper, brass, aluminum, plastic and laminates



Part No.	Hole Sizes	No. of Holes	Mat. Thckn.
10231	1/8 - 1/2 in	13	1/8 in
10232	3/16 - 1/2 in	6	3/8 in
10233	1/4 - 3/4 in	9	1/8 in

COUNTERSINK 100° THREADED 1/4"-28

- Step drill that produces true, round holes
- Non-skid tip means no need for centre punches
- 3 flatted shanks prevent drill chuck slipping
- Made from durable heat-treated molybdenum steel



Part No.	Description	Shank Dia.
DB00525	Two Flute Countersink HSS	3/8"

CROSS HOLE COUNTERSINK 90° (general purpose)

- Most universal product suiting the widest range of materials.
- Optimum results in softer materials such as wood or plastic, however fluted countersinks are more suited for countersinking hard metals.



Part No.	Head Diameter	Shank Dia.
CSCH-10	5/16	6
CSCH-14	35/64	8
CSCH-21	27/32	10
CSCH-28	17/64	12
CSCH-35	13/8	15
CSCH-44	147/64	15

3 PIECE STEP DRILL SET

- Supplied in robust metal case
- Individual drills supplied in sealed plastic tube
- HSS Titanium Nitride coated
- Self-start points
- Automatically deburs holes



Part No.	Description	Size Range
STPSET3	3 Piece Step Drill Set	4-12, 4-20, 6-30mm

STEP DRILLS HSS TITANIUM NITRIDE COATED

- Self-start points
- Automatically deburs holes
- Individual drills supplied in sealed plastic tube



Part No.	No. of Steps	Size Range
9STM4-12	9 steps	4-12mm
9STM4-20	9 steps	4-20mm
9STM6-30	13 steps	6-30mm
9STI14-34	9 steps	1/4" - 3/4"

COUNTERSINK 100° CHATTERLESS



Part No.	Head Dia.	Flutes	Shank Dia.
498-1/4	1/4	6	1/4
498-5/16	5/16	6	1/4
498-3/8	3/8	6	1/4
498-1/2	1/2	6	1/4
498-5/8	5/8	6	1/2
498-3/4	3/4	6	1/2
498-1	1	6	1/2
498-1-1/4	1-1/4	6	3/4
498-1-1/2	1-1/2	6	3/4
498-1-3/4	1-3/4	6	1
498-2	2	6	1
498-2-1/2	2-1/2	6	1
498-3	3	6	1

COUNTERSINK 100°

High Speed Steel & Cobalt



Part No.	Head Dia.	Flutes	Shank Dia.
483-1/4	1/4	3	3/16
483-3/8	3/8	3	1/4
483-1/2	1/2	3	3/8
483-5/8	5/8	3	3/8
483-3/4	3/4	3	1/2
483-1	1	3	1/2
483-1-1/2	1-1/2	3	3/4
483-1-1/4	1-1/4	3	1/2
483-1/4x1/4	1/4	3	1/4
483-7/8x3/8	7/8	3	3/8
483-7/8x1/2	7/8	3	1/2

Carbide Burrs

CYLINDRICAL BURR 1/4" SHANK WITH END CUT



Part No.	OD x L	Style	OAL
CB44926	4 x 13mm	SB-11	55mm
CB44971	6 x 16mm	SB-14	55mm
CB45022	8 x 20mm	SB-1	60mm
CB45305	10 x 20mm	SB-3	60mm
CB45176	12 x 25mm	SB-5	65mm
CB45251	16 x 25mm	SB-6	65mm

CYLINDRICAL BURR 1/4" SHANK NO END CUT



Part No.	OD x L	Style	OAL
CB45435	4 x 3mm	SA-11	55mm
CB45480	6 x 16mm	SA-14	55mm
CB45541	8 x 20mm	SA-1	60mm
CB45879	10 x 20mm	SA-3	60mm
CB45695	12 x 25mm	SA-5	65mm
CB45800	16 x 25mm	SA-6	65mm

BALL SHAPED BURR 1/4" SHANK



Part No.	OD x L	Style	OAL
CB46791	4 x 3.6mm	SD-14	45mm
CB46821	6 x 5.4mm	SD-1	45mm
CB46883	8 x 7.0mm	SD-2	47mm
CB46951	10 x 9.0mm	SD-3	49mm
CB47033	12 x 10.8mm	SD-5	50mm
CB47132	16 x 14.3mm	SD-6	54mm
CB47224	20 x 18.0mm	SD-7	58mm

CONICAL BURR 1/4" SHANK WITH RADIUS END



Part No.	OD x L	Style	Radius	OAL
CB48481	10 x 20mm	SC-3	2.9mm	55mm
CB48634	12 x 30mm	SC-4	2.6mm	60mm
CB48719	16 x 30mm	SC-6	4.8mm	65mm

INVERTED TAPER BURR 1/4" SHANK



Part No.	OD x L	Style	OAL
CB40481	10 x 10mm	SN-2	60mm

OVAL BURR 1/4" SHANK



Part No.	OD x L	Style	Radius	OAL
CB48771	6 x 10mm	SE-1	2.8mm	50mm
CB48832	10 x 16mm	SE-3	4.0mm	56mm
CB48962	12 x 20mm	SE-5	5.0mm	60mm
CB49099	16 x 25mm	SE-6	6.5mm	65mm

POINTED TREE SHAPED BURR 1/4" SHANK



Part No.	OD x L	Style	OAL
CB47941	6 x 18mm	SG-1	55mm
CB48023	10 x 20mm	SG-3	60mm
CB48146	12 x 25mm	SG-5	65mm
CB48276	16 x 30mm	SG-6	70mm

TREE SHAPED BURR 1/4" SHANK WITH RADIUS END



Part No.	OD x L	Style	Radius	OAL
CB47606	6 x 18mm	SF-1	1.5mm	55mm
CB47705	10 x 20mm	SF-3	2.5mm	60mm
CB47781	12 x 25mm	SF-5	2.5mm	65mm
CB47873	16 x 30mm	SF-6	3.6mm	70mm

CONE POINTED BURR 1/4" SHANK



Part No.	OD x L	Angle	Style	OAL
CB47041	6 x 12mm	22°	SM-1	55mm
CB47023	6 x 20mm	14°	SM-2	60mm

CYLINDRICAL BURR 1/8" SHANK WITH END CUT



Part No.	OD x L	Style	OAL
CB49469	1.6 x 6mm	SA-41	40mm
CB49471	2.4 x 13mm	SA-42	40mm
CB49501	3.1 x 13mm	SA-43	40mm

POINTED CONE BURR 1/8" SHANK



Part No.	OD x L	Style	OAL
CB49853	3.1 x 11mm	SM-42	41mm

TAPER SHAPED BURR 1/8" SHANK



Part No.	OD x L	Style	OAL
CB49802	3.1 x 11mm	SL-42	41mm

INVERTED CONE SHAPED BURR 1/8" SHANK WITH END CUT



Part No.	OD x L	Style	OAL
CB49716	3.1 x 7mm	SN-42	37mm

BALL SHAPED BURR 1/8" SHANK



Part No.	OD x L	Style	OAL
CB49778	2.38mm	SD-41	33mm
CB49792	3.17mm	SD-42	34mm
CB49815	6.35mm	SD-51	35mm

CYLINDRICAL BURR 1/8" SHANK WITH RADIUS END



Part No.	OD x L	Style	OAL
CB49631	2.4 x 13mm	SC-41	40mm
CB49662	3.1 x 15mm	SC-42	43mm

TREE SHAPED BURR 1/8" SHANK



Part No.	OD x L	Style	OAL
CB49891	3.1 x 13mm	SF-42	37mm

POINTED TREE SHAPED BURR 1/8" SHANK



Part No.	OD x L	Style	OAL
CB49090	3.1 x 13mm	SG-43	37mm

12 PIECE BURR SET 1/4"

Contents:

- SA-1, SA-14, SC-1, SC-14, SD-1, SD-14, SE-1, SF-1, SG-1, SM-1, SM-2, SN-2



Part No.	Description
H79-028	12 Piece Burr Set 1/4" Shank

12 PIECE MINIATURE BURR SET 1/8" SHANK

Contents:

- SA-42, SA-43, SC-41, SC-42, SD-42, SE-41, SF-42, SG-43, SH-41, SL-42, SM-42, SN-42



Part No.	Description
H79-029	12 Piece Burr Set 1/8" Shank

OVAL BURR 1/8" SHANK



Part No.	OD x L	Style	OAL
CB49754	3.1 x 5mm	SE-41	40mm

FLAME SHAPED BURR 1/8" SHANK



Part No.	OD x L	Style	OAL
CB49704	3.1 x 6.35mm	SH-41	40mm

REVERSE SPOTFACE CUTTERS – HSS



Part No.	Cutter Dia.	Pilot Hole	Pilot Ref.
RC4051	1/4"	3/32"	PS-285-1
RC4052	1/4"	1/8"	PS-258-2
RC4053	5/16"	1/8"	PS-285-2
RC4054	5/16"	5/32"	PS-285-3
RC4055	3/8"	5/32"	PS-285-3
RC4056	3/8"	3/16"	PS-285-4
RC4057	7/16"	5/32"	PS-285-3
RC4058	7/16"	3/16"	PS-285-4

Part No.	Cutter Dia.	Pilot Hole	Pilot Ref.
RC4059	1/2"	3/16"	PS-285-4
RC4060	1/2"	1/4"	PS-285-5
RC4061	9/16"	3/16"	PS-285-4
RC4062	9/16"	1/4"	PS-285-5
RC4063	5/8"	1/4"	PS-285-5
RC4064	5/8"	5/16"	PS-285-6
RC4065	3/4"	5/16"	PS-285-7

14 PIECE REVERSE SPOTFACE CUTTER KIT

Contents:

- 9 Spotface Cutters: 3/32" x 1/4", 1/8" x 1/4", 5/16" x 1/8", 5/32" x 3/8", 5/32" x 7/16", 3/16" x 1/2", 1/4" x 1/2", 3/16" x 9/16", 1/4" x 5/8"
- 5 Pilots: 3/32", 1/8", 5/32", 3/16", 1/4"
- In polyethylene case



Part No.	Description
RC4080	14 Piece Reverse Spotface Cutter Kit

10 PIECE REVERSE COUNTERSINK CUTTER SET

Contents:

- 5 Spotface Cutters: 3/32" x 1/4", 1/8" x 1/4", 5/32" x 3/8", 3/16" x 1/2", 1/4" x 1/2"
- 5 Pilots: 3/32", 1/8", 5/32", 3/16", 1/4"
- In polyethylene case



Part No.	Description
RC4090	10 Piece Reverse Countersink Cutter Kit

REVERSE COUNTERSINK CUTTERS – 100° HSS

For machining the back of a hole with limited access



Part No.	Cutter Dia.	Pilot Hole	Pilot Ref.
RC4041	1/4"	3/32"	PS-285-1
RC4042	1/4"	1/8"	PS-258-2
RC4043	5/16"	1/8"	PS-285-2
RC4044	5/16"	5/32"	PS-285-3
RC4045	3/8"	5/32"	PS-285-3

Part No.	Cutter Dia.	Pilot Hole	Pilot Ref.
RC4046	3/8"	3/16"	PS-285-4
RC4047	7/16"	5/32"	PS-285-3
RC4048	7/16"	3/16"	PS-285-4
RC4049	1/2"	3/16"	PS-285-4
RC4050	1/2"	1/4"	PS-285-5

REVERSE SPOTFACER & REVERSE COUNTERSINK PILOTS

Pilot, Straight Shank for Back Countersinks or Reverse Counterbores (Back Spotface Cutters)



Part No.	Pilot Diameter	OAL
RP4061	3/32"	150mm
RP4062	1/8"	150mm
RP4063	5/32"	150mm
RP4064	3/16"	150mm
RP4065	1/4"	150mm
RP4066	5/16"	150mm
RP4067	3/8"	150mm
RP4068	1/2"	150mm

Due to the range and combinations of sizes, a min. order quantity (MOQ) may apply.

Solid carbide and carbide-tipped counterbores, reverse countersinks, and reverse spotfacers are also available on request.

COUNTERBORES

High speed steel aircraft counterbores with 1/4" shanks to accept interchangeable pilots. Used to assure a flat seating surface for fasteners or mating parts that are 90° to the axis of the hole. A pilot is used to assure concentricity of the counterbore with the hole.

Counterbores are furnished without a "corner radius" unless specified.



Part No.	OD x L	OAL
CB390014	1/4"	3/32"
CB3900516	5/16"	3/32"
CB390038	3/8"	3/32"
CB390716	7/16"	1/8"
CB392964	29/64"	1/8"
CB391532	15/32"	1/8"
CB490012	1/2"	1/8"
CB491732	17/32"	1/8"
CB490916	9/16"	1/8"

Part No.	OD x L	OAL
CB490058	5/8"	1/8"
CB 591116	11/16"	3/16"
CB 590034	3/4"	3/16"
CB 590078	7/8"	3/16"
CB 591316	13/16"	3/16"
CB 592932	29/32"	3/16"
CB 591516	15/16"	3/16"
CB 590001	1"	3/16"

COUNTERBORE PILOTS

- to be used with the Counterbores above



Part No.	Pilot Diameter	Shank Size
CB600040	#40	3/32"
CB690018	1/8"	3/32"
CB600030	#30	3/32"
CB600021	#21	3/32"
CB690316	3/16"	3/32"
CB600010	#10	3/32"
CB690014	1/4"	3/32"
CB700030	#30	1/8"
CB700021	#21	1/8"

Part No.	Pilot Diameter	Shank Size
CB790316	3/16"	1/8"
CB700010	#10	1/8"
CB790014	1/4"	1/8"
CB790516	5/16"	1/8"
CB890316	3/16"	3/16"
CB800010	#10	3/16"
CB890014	1/4"	3/16"
CB890516	5/16"	3/16"
CB890038	3/8"	3/16"

9 PIECE RIVET REMOVAL KIT

- Enables easy drilling out and removal of button head rivets
- Adjustable drill depth to avoid drilling beyond rivet head
- Includes guides and threaded drills to remove 3/32", 1/8", 5/32" and 3/16" rivets
- Replacement drills can be ordered using our long series threaded drills



Part No.	Description
RR3131	9 Piece Rivet Removal Kit

9 PIECE COUNTERSINK CAGE & CUTTER KIT

Contents:

- CC2001 adjustable microstop
- 8 Piloted Countersink Cutters: #40, 1/8", #30, 5/32", #21, 3/16", #10 & 1/4"



Part No.	Description
CCK1000	9 Piece Cage and Cutter Kit

COUNTERSINK CAGE – ADJUSTABLE

- Precise adjustment in increments of 0.01"
- Accepts 1/4 x 28 threaded countersinks



Part No.	Description	Mfr Ref No	Cutting Capacity	Rated At
CC1001	Microstop – Zephyr Brand	ZT680	5/8"	3 000 RPM
CC2001	Microstop – Economy	-	5/8"	3 000 RPM

COUNTERSINK CAGE – HEAVY DUTY

- Features ball bearings for ultra smooth operation and spindle support
- Precise adjustment in increments of 0.01"
- Accepts 1/4" x 28 threaded countersinks



Part No.	Description	Capacity	Rated At
CC1363	Made in USA	5/8"	10 000 RPM
CC2363	Economy	5/8"	10 000 RPM

COUNTERSINK CAGE – "NO-MAR"

Includes a no-mar footpiece to reduce scratching and marking of surface.



Part No.	Description	Capacity	Max RPM
CC1002	Made in USA	5/8"	10 000
CC2002	Economy	5/8"	10 000

COUNTERSINK CAGE – EXTENDED FOOTPIECE

Designed to give extra reach, especially when working close to obstructions.



Part No.	Description	OAL	Capacity
CC1003	Extended Footpiece	6-1/4 in	5/8"

COUNTERSINK CUTTERS HSS 1/4"-28 WITH INTEGRAL PILOT – 3 FLUTE

- 3 Flute 100° angle countersink cutter with integral Pilots
- Used to make precision countersinks to accept Flush-head fasteners
- Cutters may be used in any micro-stop countersink cage that accepts 1/4" x 28 threaded shank cutters
- Typically used for countersinking holes for 1/4" or smaller Diameter fasteners
- Fits all 1/4" x 28 threaded adapters.
- Made of hardened high speed steel (HSS).



Carbide countersinks available to order.

Part No.	Description	Pilot Dia.	OAL Dia.
CS4933	Pilot Cutter	3/32"	7/16"
CS4918	Pilot Cutter	1/8"	7/16"
CS4953	Pilot Cutter	5/32"	7/16"
CS4931	Pilot Cutter	3/16"	7/16"
CS4973	Pilot Cutter	7/32"	7/16"
CS4914	Pilot Cutter	1/4"	7/16"
CS4040	Pilot Cutter	#40	7/16"
CS4030	Pilot Cutter	#30	7/16"
CS4021	Pilot Cutter	#21	7/16"
CS4010	Pilot Cutter	#10	7/16"
CS4706	Pilot Cutter	F	7/16"
CS3933	Pilot Cutter	3/32"	1/2"

Part No.	Description	Pilot Dia.	OAL Dia.
CS3918	Pilot Cutter	1/8"	1/2"
CS3953	Pilot Cutter	5/32"	1/2"
CS3931	Pilot Cutter	3/16"	1/2"
CS3973	Pilot Cutter	7/32"	1/2"
CS3914	Pilot Cutter	1/4"	1/2"
CS3040	Pilot Cutter	#40	1/2"
CS3030	Pilot Cutter	#30	1/2"
CS3021	Pilot Cutter	#21	1/2"
CS3019	Pilot Cutter	#19	1/2"
CS3012	Pilot Cutter	#12	1/2"
CS3010	Pilot Cutter	#10	1/2"
CS3706	Pilot Cutter	F	1/2"

COUNTERSINK CAGE – JUMBO

- Features dual bearings for upper and lower spindle support
- Accepts 3/8" x 24 threaded countersinks



Part No.	Description	Capacity	Rated At
CC1655	Jumbo Countersink Cage	1-1/4"	3 000 RPM

COUNTERSINK CAGE – SEAT TRACK

Diameter designed to fit inside most seat track cutouts.



Part No.	Description	Capacity	Max RPM
CC1361	Made in USA	1/2"	3 000
CC2361	Economy	1/2"	3 000

COUNTERSINK CAGE – MINIATURE TIGHT SPACE

Has a 1/4-28 threaded shank for use with a threaded drill motor in extremely tight areas.



Part No.	Description	OAL	Capacity
CC1362	Miniature Countersink Cage	1.65 in	1/2"

JUMBO PILOT CUTTERS 3/8"-24 WITH INTEGRAL PILOT

2 Flute 100° HSS Pilot Cutters



Part No.	Description	Pilot Dia.	OAL Dia.
CS39516	Jumbo Pilot Cutter	7/8"	5/16"
CS39038	Jumbo Pilot Cutter	7/8"	3/8"
CS39716	Jumbo Pilot Cutter	7/8"	7/16"
CS39012	Jumbo Pilot Cutter	7/8"	1/2"

CARBIDE TIPPED COUNTERSINK WITH 3/32" PILOT BORE

- Features a 3/32" through-hole to accept a pilot
- Pilots lock into place by means of a grub screw
- Two Flute, 1/2" Diameter, 100°



Part No.	Description
CS4405	Carbide Tipped Countersink Cutter

COUNTERSINK PILOT WITH 3/32" SHANK



Part No.	Description	Pilot Size
CS10040	Countersink Pilot	#40
CS19018	Countersink Pilot	1/8"
CS10030	Countersink Pilot	#30
CS10027	Countersink Pilot	#27
CS19532	Countersink Pilot	5/32"
CS10021	Countersink Pilot	#21
CS10020	Countersink Pilot	#20
CS10019	Countersink Pilot	#19
CS10016	Countersink Pilot	#16
CS10013	Countersink Pilot	#13
CS19316	Countersink Pilot	3/16"
CS10012	Countersink Pilot	#12
CS10011	Countersink Pilot	#11
CS10010	Countersink Pilot	#10
CS10008	Countersink Pilot	#8
CS17004	Countersink Pilot	D
CS19014	Countersink Pilot	1/4"

COUNTERSINKS FOR MS14218 & MS14219 RIVETS THREADED

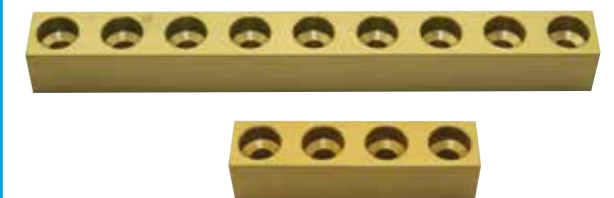
- Cuts a counterbore and countersink in the same hole – 120°
- Countersink to prepare holes for MS14218/9 rivets and Boeing BAC15/FV



Part No.	Accordance with	Pilot Size
CSB-3/32	MS14218/BACR15FV	3/32"
CSB-1/8	MS14218/BACR15FV	1/8"
CSB-5/32	MS14218/BACR15FV	5/32"
CSB-3/16	MS14218/BACR15FV	3/16"
CSB-7/32	MS14218/BACR15FV	7/32"
CSB-1/4	MS14218/BACR15FV	1/4"
CSB-9/32	MS14218/BACR15FV	9/32"
CSB-5/16	MS14218/BACR15FV	5/16"
CSBT-3/32	MS14219/BACR15	3/32"
CSBT-1/8	MS14219/BACR15	1/8"
CSBT-5/32	MS14219/BACR15	5/32"
CSBT-3/16	MS14219/BACR15	3/16"
CSBT-7/32	MS14219/BACR15	7/32"
CSBT-1/4	MS14219/BACR15	1/4"
CSBT-9/32	MS14219/BACR15	9/32"
CSBT-5/16	MS14219/BACR15	5/16"

HOLDER FOR COUNTERSINKS WITH 1/4"-28 THREADED HOLES

- Ideal for shadow tool boards
- Conveniently/safely store your countersinks (7/16" & 1/2") or other 1/4"-28 threaded tools



Part No.	Description	No. of Holes
HC 4454	Holder for Countersinks	4
HC 4459	Holder for Countersinks	9

1/4"-28 THREADED HOLDER

- A convenient way to store up to 30 threaded tools
- Made of HDPE.



Part No.	Description	Dimensions
TDH030	1/4"-28 Threaded Holder	

MULTI-FLUTE CARBIDE RIVET SHAVER BIT 1/4"-28

The 14 Flute design self centres and reduces chattering



Part No.	Description	Diameter
RS 1038	Multiflute Carbide Rivet Shaver Bit	3/8"

HOLLOW CUTTER – 1/4"-28 HI-SHEAR® OR HI-LOK® COLLARS

- These tools are designed to cut away swaged or threaded collars from fasteners so the fastener pin can be easily removed. They are ideal for removing Hi-Shear® rivets.
- The rotating cutter is applied to the collar until a sufficient amount of collar material has been removed. The pin is then easily removed with a punch. A microstop cage is typically used to prevent the cutter teeth from contacting and damaging the work surface.
- Four flute design for strength and increased tool life



Part No.	Dash Size	Body Diameter (B)	Hole Diameter (H)	Fastener Size (in)
HC19018	-1	0.365	0.1240	1/8
HC19532	-2	0.365	0.1570	5/32
HC19316	-3	0.438	0.1875	3/16
HC19014	-4	0.500	0.2470	1/4
HC19516	-5	0.562	0.3100	5/16

CARBIDE TIPPED RIVET SHAVER BITS 1/4"-28

Rivet Shaver Cutters trim excess material from high rivets to complete flushness. They are precision-ground and carbide-tipped, ensuring less chatter and increasing the overall life of the cutter.



Part No.	Description	OAL Dia.
RS2514	Carbide Tipped Rivet Shaver Bits	1/4"
RS2516	Carbide Tipped Rivet Shaver Bits	5/16"
RS2038	Carbide Tipped Rivet Shaver Bits	3/8"
RS2716	Carbide Tipped Rivet Shaver Bits	7/16"
RS2012	Carbide Tipped Rivet Shaver Bits	1/2"
RS2916	Carbide Tipped Rivet Shaver Bits	9/16"
RS2058	Carbide Tipped Rivet Shaver Bits	5/8"
RS2534	Carbide Tipped Rivet Shaver Bits	3/4"

1/4"-28 THREADED HOLDER

- A convenient way to store up to 30 threaded tools
- Made of HDPE.



Part No.	Description	Dimensions
TDH030	1/4"-28 Threaded Holder	

Deburring Tools & Rivet Shavers

DESOUTTER DEBURRING TOOLS & RIVET SHAVER

*: If speed adjustment is needed, you can do it with flow regulator PN LC121737



Model	Part No.	Pic Ref	Free Speed rpm	Maximum Cutter Dia. mm in	Weight kg lb	Length mm in	Air Flow l/s cfm	Air Inlet in	Hose int. ø mm in
Hole Deburring Tools									
C27-LX-1450	615 176 115 0	A	6.4 (1/4")*	– –	0.68 1.5	220.5 8.68	9.5 20	1/4	6 1/4
C27-LX300-T6-45 - BRB*	615 176 126 0	B	6.4 (1/4")*	– –	0.82 1.81	291.5 11.48	8 17	1/4	6 1/4
C27-LX300-T6-90 - BRB*	615 176 128 0	C	6.4 (1/4")*	– –	0.82 1.81	291.5 11.48	8 17	1/4	6 1/4
C27-LX400-T6-90 - BRB*	615 176 127 0	C	6.4 (1/4")*	– –	0.82 1.81	291.5 11.48	8 17	1/4	6 1/4
C27-LX300-QR - BRB*	615 176 129 0	D	6.4 (1/4")*	– –	0.58 1.27	187 7.36	8 17	1/4	6 1/4
Rivet Shaver									
RS450-T-18500 (1/4"UNF)	615 176 184 0	E	1/4"-28 UNF	14.3 9/16	1.2 2.64	216 8.5	14 30	1/4	
RS450-T-18500 (1/4"WHIT)	615 176 183 0	E	1/4"-26 WHIT	14.3 9/16	1.2 2.64	216 8.5	14 30	1/4	
RS500-P18500 (1/4"UNF)	205 148 129 4	F	1/4"-28 UNF	14.3 9/16	1.2 2.64	216 8.5	14 30	1/4	10 3/8
RS500-P18500 (1/4"WHIT)	205 148 130 4	F	1/4"-26 WHIT	14.3 9/16	1.2 2.64	216 8.5	14 30	1/4	10 3/8

DESOUTTER RIVET SHAVER – PISTOL

- Maximum cutter dia.: 9/16 in
- Length: 7.99 in
- Weight: 2.4 lb
- Air Flow: 19.7 cfm
- Air Inlet: 1/4 NPT
- Air Hose Bore: 3/8 in
- Sound Level: 78 dB(A)
- Vibration Level: <2.5 m/s²



Part No.	Description	RPM	Model Number
D156-P-20000	Rivet Shaver Pistol Grip	20,000	205 146 600 4

DESOUTTER RIVET SHAVER – STRAIGHT

- Maximum cutter dia.: 9/16 in
- Length: 9.13 in
- Weight: 2.2 lbs
- Air Flow: 19.7 cfm
- Air Inlet: 1/4 NPT
- Air Hose Bore: 3/8 in
- Sound Level: 77 dB(A)
- Vibration Level: <2.5 m/s²



Part No.	Description	RPM	Model Number
D156-S-20000	Rivet Shaver Straight	20,000	1275194

HENCHMAN 14 PIECE RIVET SHAVER KIT

Contents:

- 0.9 HP 21,000 RPM Rivet Shaver
- 6 cutters and skirt sets: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
- Supplied with carrycase fitted with foam insert



Part No.	Description	RPM
H49-006	14 Piece Rivet Shaver Kit	21,000

17 PIECE RIVET SHAVER KIT

Contents:

- 1900RS Rivet Shaver
- 7 cutters and skirt sets: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"
- Removable Cutter Box
- Foam fitted Case



Part No.	Description
53-1900RS	17 Piece Rivet Shaver Kit

DOTCO® RIVET SHAVER – SMALL HANDLE PISTOL GRIP

- Ergonomic Design, Rear Exhaust
- Easily adjustable positive lock
- Spring loaded nosepiece and stabilizer
- Cutter Adjustment: 0.00025 in
- Length: 8-1/4 in (210mm)
- Weight: 2.3 lbs (1.0 kg)
- HP: 0.4 (0.30 kW)



Part No.	Description	Capacity	RPM
14CFS60-98	Rivet Shaver Pistol Grip	1/2 in	29,000

DOTCO® is a registered trademark of Cooper Industries

SIUOX™ RIVET SHAVERS

- Ergonomic moulded handle for comfortable use
- Accepts standard 1/4"-28 rivet shaver tips
- Spring loaded removable stabilizer
- Power: 1 Hp
- Uses 1/4"-28 Threaded Bits
- Made in USA



Part No.	Description	Capacity	RPM	OAL
SRS10P21-8	Rivet Shaver Pistol Grip	1/2 in	21,000	8 in (205mm)
SRS10S21-8	Rivet Shaver Lever Grip	1/2 in	21,000	10 in (255mm)

SIUOX™ is a registered trademark of Sioux Tools, Inc.

Desoutter Routers

DESOUTTER ROUTER 0.5HP

375 Watts (0.5 hp) - 20000 to 40000 rpm CNOMO type collet
Caution: comply with the speed recommended by component and abrasive manufacturers



Model No.	Free Speed rpm	Power W hp	Air Consumption at				Part No.		Routing Kit		
			Free Speed	Max Speed	Free Speed	Max Speed	CNOMO Collet (-7)	Series 200 Collet (-9)	Machined	Blank	
375 W (0.5 hp) – CNOMO TYPE COLLET											
KC340-7	40 000	375 0.5	7.5	16.0	10.0	21	615 170 032 0	-	+	615 396 069 0	615 396 070 0
KC331-7	31 000	375 0.5	4.5	9.5	9.5	20	615 170 031 0	-	+		
KC325-7	25 000	375 0.5	3.5	7.5	9.5	20	615 170 030 0	-	+		
KC320-7	20 000	220 0.3	2.5	5.0	8.0	17	615 170 029 0	-	+		

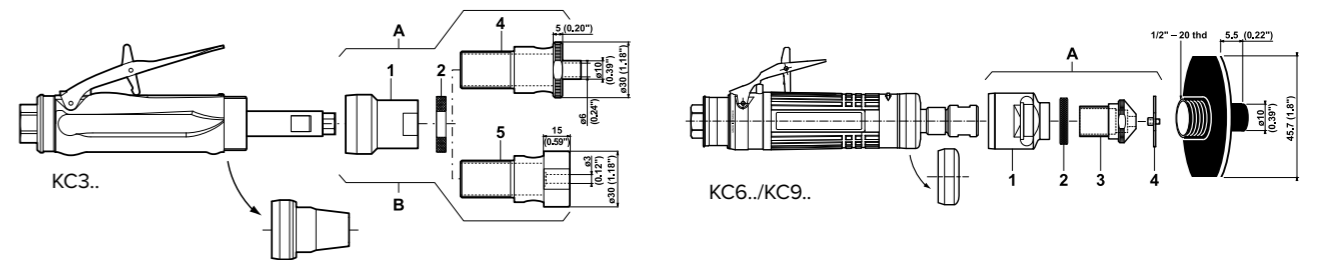
DESOUTTER ROUTER 0.8 & 1.21 HP

600 & 900 Watts (0.8 & 1.21 hp) - 12000 to 28000 rpm CNOMO type or Serie 200 Erickson collet
Caution: comply with the speed recommended by component and abrasive manufacturers



Model No.	Free Speed rpm	Power W hp	Air Consumption at				Part No.		Routing Kit		
			Free Speed	Max Speed	Free Speed	Max Speed	CNOMO Collet (-7)	SERIE 200 Collet (-9)	Machined	Blank	
600 & 900 W (0.8 & 1.21 hp) - CNOMO OR SERIE 200 COLLET											
KC628-	28 000	600 0.80	7.5	16.0	10.0	21	615 170 126 0	615 170 158 0	+		
KC624-	24 000	600 0.80	4.5	9.5	9.5	20	615 170 125 0	615 170 159 0	+		
KC922-	22 000	900 1.21	3.5	7.5	9.5	20	615 170 130 0	615 170 160 0	+		
KC619-	19 000	600 0.80	2.5	5.0	8.0	17	615 170 124 0	615 170 161 0	+		
KC918-	18 000	900 1.21	2.5	5.0	8.0	17	615 170 129 0	615 170 162 0	+		
KC615-	15 000	600 0.80	2.5	5.0	8.0	17	615 170 123 0	615 170 163 0	+		
KC915-	15 000	900 1.21	2.5	5.0	8.0	17	615 170 128 0	615 170 164 0	+		
KC912-	12 000	900 1.21	2.5	5.0	8.0	17	615 170 127 0	615 170 165 0	+		

To order a complete, standard Router tool use the Model KC624-9RT (24000 rpm) Part No. 615 170 159 0
If you need a specific speed or a higher power:
Select the motor, the speed of your choice below then add the routing kit.
For example: Tool with Series 200 collet -900 W - 22000 rpm (KC922-9) + routing kit
Order 615 170 160 0 + 615 396 289 0



OPTIONAL ACCESSORIES

615 396 069 0: Machined routing kit for burr, max. ø 6.4mm (1/4")

615 396 070 0: Blank routing kit - adapt blank to fit application

	Description	KC3..	KC6../KC9..
A	Machined routing kit	615 396 069 0	615 396 289 0
B	Blank routing kit (Item 1, 2, 5)	615 396 070 0	-
1	Flange	615 595 231 0	615 595 245 0
2	Adjusting nut	615 607 140 0	615 607 145 0
•	Circlip	-	615 687 056 0
•	Bearing	-	615 758 127 0
3	Router nose (including: circlips & bearing)	-	615 542 132 2
4	Machined routing guide	615 542 125 0	615 542 131 0
5	Blank routing guide	615 542 125 2	-



SIoux™ 3 INCH NOSE ROUTER

Designed with a focus on maximum operator comfort and productivity. Features include a heavy-duty three piece double tapered collet and a powerful 1 horse power motor - offering speed, power, and extreme accuracy. The countoured throttle lever with safety lock makes one handed operation effortless and the ergonomic composite handle with textured soft grip makes handling these tools truly comfortable.

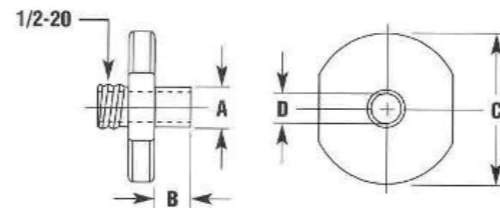


- Weight 2.06 lbs
- Full 1 HP motor.
- Designed for use with our wide assortment of template guides – sold separately.

Part No.	Description	RPM	Length	Collet
SRT10S25N	Router	25,000	229mm / 9 in	1/4"

TEMPLATE GUIDES

1/2-20" threads attach directly to model SRT10S25N router



Part No.	A -Pilot OD	B -Pilot Length	C - Flange OD	D -Pilot ID
TP 6612	3/8"	1/4"	3/4"	9/32"
TP 6614	3/8"	3/8"	3/4"	9/32"
TP 6616	3/8"	1/2"	3/4"	9/32"
TP 6622	3/8"	1/8"	1-1/2"	9/32"
TP 6624	3/8"	1/4"	1-1/2"	9/32"
TP 6626	3/8"	3/8"	1-1/2"	9/32"
TP 6640	7/16"	1/4"	3/4"	21/64"
TP 6642	7/16"	3/8"	3/4"	21/64"
TP 6644	7/16"	1/8"	1-1/2"	21/64"
TP 6648	7/16"	1/4"	1-1/2"	21/64"
TP 6650	7/16"	3/8"	1-1/2"	21/64"
TP 6652	7/16"	1/2"	1-1/2"	21/64"
TP 6662	1/2"	1/4"	1-1/2"	11/32"
TP 6664	1/2"	3/8"	1-1/2"	11/32"
TP 6666	1/2"	1/2"	1-1/2"	11/32"
TP 6672	1/2"	1/2"	2-1/2"	11/32"

SIoux™ TEMPLATE BASE ROUTER

- Designed for use as is without template guides
- Lockoff Lever Throttle, Front Exhaust, Interchangeable Base, Built-in Speed Control
- Hose Size: 3/8" (10 mm)
- Performance rated @ 90 psig (6.2 bar) air pressure
- Weight: 2.6 lb/1.15 kg
- Height: 8.3 in./210 lb
- Maximum Air Consumption: 30 cfm/14 l/s
- Sound Level: 78 dB(A)
- Power: 1 hp (0.75 kW)
- Country of Origin: USA



Part No.	Description	RPM	Length	Collet
SRT10S25B	Router	25,000	229mm	1/4"

AIRCRAFT TAPER ROUTER

Pin routers are used for "side cutting" on aluminium, plexiglass and other many other materials



Part No.	Description	Rivet Size
TR 19332	Taper Router	3/32"
TR 19018	Taper Router	1/8"
TR 19316	Taper Router	3/16"
TR 19014	Taper Router	1/4"

SIoux™ is a registered trademark of Sioux Tools, Inc.

Composite Cutting Tools & Related

Henchman Products works closely with key cutting tool manufacturers in the USA keeping abreast with the continual advancements and use of new materials within the Aerospace Industry over recent years. More advanced tools are available through Henchman to machine complex materials including composites, carbon fibre, titanium, aluminium with higher silicon content and stacked material combinations.

Many of our standard composite tools supplied are produced in carbide material. Our PCD Tipped Diamond tools are produced to the most stringent controls within the industry, ensuring we can provide our Military and Commercial Aerospace customers with some of the most advance tooling available today in the industry.

DIAMOND CORE DRILL

- Standard with 40 grit electroplated diamond
- Wrap of diamond material is 1/8" from edge of cutting surface



Part No.	Description	Diameter
DD39012	Diamond Core Drill	1/2"
DD39916	Diamond Core Drill	9/16"
DD39058	Diamond Core Drill	5/8"
DD39034	Diamond Core Drill	3/4"
DD39078	Diamond Core Drill	7/8"
DD39001	Diamond Core Drill	1"

DIAMOND COATED DRILL BITS

Standard jobber Length drills in 100 grit diamond coating (other sizes available to order)



Part No.	Description	Diameter
DD49116	Diamond Core Drill	1/16"
DD49018	Diamond Core Drill	1/8"
DD49316	Diamond Core Drill	3/16"
DD49014	Diamond Drill Bits	1/4"
DD49038	Diamond Drill Bits	3/8"

MOUNTED DIAMOND SAW

- Electroplated 40 grit diamond with a wrap of 1/8" around edge of cutting surface
- Thickness: 3/32"



Part No.	Description	Diameter	Shank dia.
DS69012	Diamond Saw	1/2"	1/4"
DS69001	Diamond Saw	1"	1/4"
DS69002	Diamond Saw	2"	3/8"
DS69003	Diamond Saw	3"	1/2"

DIAMOND TAPERED HONE/BURR

- Standard with 150 grit diamond coating
- The sharp point permits precise material removal in a wide range of situations



Part No.	Description	Diameter
DH29014	Diamond Tapered Hone/Burr	1/4"

FLUTED DIAMOND ROUTERS

- Standard electroplated 40 grit diamond (other Sizes available to order)
- Length of cut: 25mm



Part No.	Description	Diameter	OAL
DR59018	Fluted Diamond Routers	1/8"	50mm
DR59014	Fluted Diamond Routers	1/4"	64mm

CARBIDE DAGGER DRILL

Our carbide dagger drills are designed to produce holes in composite materials without delamination around the hole or fraying of the composite material.



Part No.	Description	Decimal Size	Pilot Size
DGD0938		0.0938	4
DGD0980	#40	0.0980	4
DGD1250	1/8	0.1250	4
DGD1285	#30	0.1285	4
DGD1562	5/32	0.1562	4
DGD1590	#21	0.1590	4
DGD1610	#20	0.1610	4
DGD1875	3/16	0.1875	4
DGD1910	#11	0.1910	4
DGD1935	#10	0.1935	4
DGD1960	#9	0.1960	4
DGD1990	#8	0.1990	4
DGD2500	1/4	0.2500	4
DGD3125	5/16	0.3125	4
DGD3750	3/8	0.3750	4

SPECIAL ORDER COMPOSITE TOOLING – PLEASE ENQUIRE



Slow Spiral Router

This is an excellent router for composites. You can use it as a rough cutter or finisher (depending on type and thickness of material). The slower helix reduces cutting force to prevent delamination.



Diamond Cut Router

This is a very versatile tool. Depending on your application and some customization, it can be a rough cut or finish router. For abrasive application it is manufactured with a CVD diamond coating for long tool life.



One-Shot Drill Reamer

This Drill Reamer has special geometries which easily cuts through composites to reduce break out and provide perfectly round holes.



Composite Drill Straight Flute

This straight flute hand drill with some special geometries easily cuts through composites and its low thrust allows for a smooth exit.



CLEAN-CUT BRAD POINT DRILLS

High speed steel Brad Point drill bits with significantly better edge holding properties than normal carbon steel. These bits have fine cutting edges and brad point tips to minimise tearout and provide a cut clean..



Compression Router

Advanced opposing geometries designed to compress layers, provide precision cutting action to eliminate delamination in composite materials. CVD diamond coating is gown onto the carbide substrate to provide long lasting cutting surface. This compression router was designed for the F-35 fighter jet.

OTHER COMPOSITE-SPECIFIC HAND TOOLS

(Many other tools suited to composite work can also be found in other related sections of the catalogue)

MATERIAL PRESSURE ROLLER



Part No.	Description
MR 1054	Steel Material Roller 2"

FIBREGLASS ROLLER

- Laminating roller for wet lay-up



Part No.	Description
FR 1121	Fiberglass Roller 1/2" x 3"

HONEYCOMB CORE KNIFE

- Blade: 4in. X 1 1/4in. (102mm x 32mm)
- Leather handle



Part No.	Description
HK 1039	Honeycomb Core Cutter Knifer

TAP HAMMER COMPOSITE

- Dimensions: 7.25 x 4 inch



Part No.	Description
H69-400	Tap Hammer Composite

WISS PINKING SHEARS

- Blade length: 4 1/2"
- Overall length: 8 1/4"



Part No.	Description
CB8	Wiss 8" Pinking Shears

WISS INDUSTRIAL SHEARS

- Blade length: 4"
- Overall length: 9 1/4"



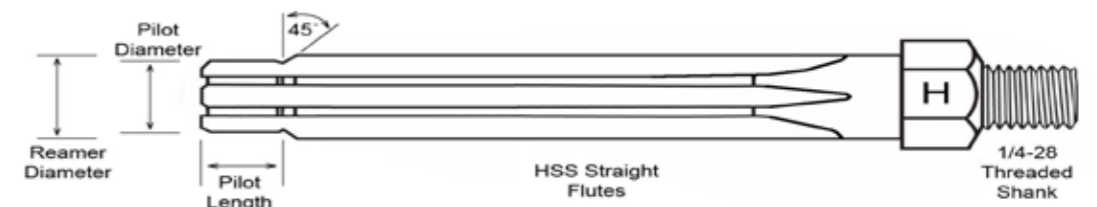
Part No.	Description
29N	Wiss 8" Tailors Shears

Aircraft Reamers

Henchman Products stocks a wide range of HSS piloted reamers in both threaded and straight shank type. We work closely with a select few discreet manufacturers who manufacture cutting tools according to aerospace standards and our laid down requirements.

Over the years Henchman has built up stock of an expansive range of off-the-shelf versions. Due to the unlimited possibilities of pilot size versus finished size, it is not possible to stock every permutation. The lists below represent popular sizes, but we do not guarantee to hold all on our shelf at all times, We will aim to provide the fastest response time and where no stock may have to impose a low MOQ at the time.

Henchman also offers complete Reamer kits, often customized kits as well as chucking reamers/kits.



HSS PILOTED REAMERS WITH THREADED SHANK

- Fitted with 1/4"-28 Threaded Shank adapter
- Six, straight flute HSS version



Part No.	Reamer Dia.	Pilot Dia.
62-1285-0980	0.1285	0.0980
62-1530-1400	0.1530	0.1400
62-1590-1285	0.1590	0.1285
62-1610-1250	0.1610	0.1250
62-1680-1530	0.1680	0.1530
62-1840-1680	0.1840	0.1680
62-1850-1600	0.1850	0.1600
62-1860-1600	0.1860	0.1600
62-1985-1850	0.1985	0.1850
62-2000-1840	0.2000	0.1840
62-2140-1990	0.2140	0.1990
62-2150-2000	0.2150	0.2000
62-2310-2150	0.2310	0.2150
62-2460-2340	0.2460	0.2340
62-2470-2310	0.2470	0.2310
62-2500-2340	0.2500	0.2340
62-2570-2450	0.2570	0.2450
62-2610-2460	0.2610	0.2460
62-2620-2470	0.2620	0.2470
62-2760-2610	0.2760	0.2610
62-2780-2620	0.2780	0.2620
62-2930-2780	0.2930	0.2780
62-3085-2910	0.3085	0.2910
62-3090-2930	0.3090	0.2930
62-3125-2969	0.3125	0.2969
62-3235-3100	0.3235	0.3100

Part No.	Reamer Dia.	Pilot Dia.
62-3250-3090	0.3250	0.3090
62-3390-3230	0.3390	0.3230
62-3400-3250	0.3400	0.3250
62-3560-3400	0.3560	0.3400
62-3710-3580	0.3710	0.3580
62-3720-3560	0.3720	0.3560
62-3750-3594	0.3750	0.3594
62-3860-3750	0.3860	0.3750
62-3870-3720	0.3870	0.3720
62-4015-3860	0.4015	0.3860
62-4030-3870	0.4030	0.3870
62-4180-4030	0.4180	0.4030
62-4335-4130	0.4335	0.4130
62-4340-4180	0.4340	0.4180
62-4375-4219	0.4375	0.4219
62-4495-4375	0.4495	0.4375
62-4500-4340	0.4500	0.4340
62-4650-4500	0.4650	0.4500
62-4688-4375	0.4688	0.4375
62-4810-4650	0.4810	0.4650
62-4960-4844	0.4960	0.4844
62-5000-4844	0.5000	0.4844
62-5120-5000	0.5120	0.5000
62-5270-5156	0.5270	0.5156
62-5290-5120	0.5290	0.5120

HSS CHUCKING REAMERS WITH STRAIGHT SHANK

High speed steel, straight shank, straight flute



Part No.	Reamer Dia.	Dec Eq.	Part No.	Reamer Dia.	Dec Eq.
60-0938	3/32"	0.0938	60-2344	15/64"	0.2344
60-9800	#40	0.9800	60-2460	D	0.2460
60-1094	7/64"	0.1094	60-2500	1/4"	0.2500
60-1250	1/8"	0.1250	60-2570	F	0.2570
60-1285	#30	0.1285	60-2610	G	0.2610
60-1406	9/64"	0.1406	60-2656	17/64"	0.2656
60-1440	#27	0.1440	60-2770	J	0.2770
60-1562	5/32"	0.1562	60-2812	9/32"	0.2812
60-1590	#21	0.1590	60-2969	19/64"	0.2969
60-1610	#20	0.1610	60-3125	5/16"	0.3125
60-1660	#19	0.1660	60-3230	P	0.3230
60-1719	11/64"	0.1719	60-3281	21/64"	0.3281
60-1770	#16	0.1770	60-3438	11/32"	0.3438
60-1800	#15	0.1800	60-3594	23/64"	0.3594
60-1850	#13	0.1850	60-3750	3/8"	0.3750
60-1875	3/16"	0.1875	60-3906	25/64"	0.3906
60-1890	#12	0.1890	60-4062	13/32"	0.4062
60-1910	#11	0.1910	60-4219	27/64"	0.4219
60-9350	#10	0.9350	60-4375	7/16"	0.4375
60-1960	#9	0.1960	60-4531	29/64"	0.4531
60-1990	#8	0.1990	60-4688	15/32"	0.4688
60-2010	#7	0.2010	60-4844	31/64"	0.4844
60-2031	13/64"	0.2031	60-5000	1/2"	0.5000
60-2040	#6	0.2040	60-5312	17/32"	0.5312
60-2055	#5	0.2055	60-5625	9/16"	0.5625
60-2130	#3	0.2130	60-5938	19/32"	0.5938
60-2188	7/32"	0.2188	60-6250	5/8"	0.6250
60-2210	#2	0.2210	60-7500	3/4"	0.7500
60-2280	#1	0.2280			

CHUCKING REAMER SETS – STRAIGHT SHANK

- Straight chucking reamers in indexed metal boxes
- Available in HSS or Cobalt and supplied with straight shank/straight flute



Part No.	Description	Type
733-FRAC	Fractional 1/16" to 1/2" (29 Pcs)	HSS
1733-FRAC	Fractional 1/16" to 1/2" (29 Pcs)	Cobalt
733-1-60	#1 to #60 (60 Pcs)	HSS
1733-1-60	#1 to #60 (60 Pcs)	Cobalt
733-AZ	A to Z (26 Pcs)	HSS
1733-AZ	A to Z (26 Pcs)	Cobalt

HSS PILOTED REAMERS STRAIGHT SHANK

Part No.	Reamer Dia.	Pilot Dia.
61-1250-1094	0.1250	0.1094
61-1265-1090	0.1265	0.1090
61-1285-0980	0.1285	0.0980
61-1406-1250	0.1406	0.1250
61-1530-1400	0.1530	0.1400
61-1540-1400	0.1540	0.1400
61-1560-1250	0.1560	0.1250
61-1560-1280	0.1560	0.1280
61-1562-1406	0.1562	0.1406
61-1590-1250	0.1590	0.1250
61-1590-1280	0.1590	0.1280
61-1590-1285	0.1590	0.1285
61-1600-1470	0.1600	0.1470
61-1600-1560	0.1600	0.1560
61-1602-1450	0.1602	0.1450
61-1610-1250	0.1610	0.1250
61-1610-1260	0.1610	0.1260
61-1610-1280	0.1610	0.1280
61-1610-1560	0.1610	0.1560
61-1610-1589	0.1610	0.1589
61-1618-1611	0.1618	0.1611
61-1625-1614	0.1625	0.1614
61-1630-1560	0.1630	0.1560
61-1650-1280	0.1650	0.1280
61-1650-1470	0.1650	0.1470
61-1719-1562	0.1719	0.1562
61-1750-1250	0.1750	0.1250
61-1790-1590	0.1790	0.1590
61-1810-1250	0.1810	0.1250
61-1820-1730	0.1820	0.1730
61-1830-1730	0.1830	0.1730
61-1840-1680	0.1840	0.1680
61-1840-1710	0.1840	0.1710
61-1850-1250	0.1850	0.1250
61-1850-1260	0.1850	0.1260
61-1850-1300	0.1850	0.1300
61-1850-1470	0.1850	0.1470
61-1850-1590	0.1850	0.1590
61-1850-1600	0.1850	0.1600
61-1850-1700	0.1850	0.1700
61-1852-1699	0.1852	0.1699
61-1860-1540	0.1860	0.1540
61-1860-1610	0.1860	0.1610
61-1860-1695	0.1860	0.1695
61-1860-1710	0.1860	0.1710
61-1865-1540	0.1865	0.1540
61-1870-1250	0.1870	0.1250
61-1870-1260	0.1870	0.1260
61-1870-1280	0.1870	0.1280
61-1870-1530	0.1870	0.1530
61-1870-1560	0.1870	0.1560
61-1870-1590	0.1870	0.1590
61-1870-1600	0.1870	0.1600
61-1870-1610	0.1870	0.1610
61-1870-1710	0.1870	0.1710
61-1870-1740	0.1870	0.1740
61-1875-1406	0.1875	0.1406
61-1875-1719	0.1875	0.1719
61-1890-1560	0.1890	0.1560
61-1890-1590	0.1890	0.1590
61-1890-1700	0.1890	0.1700
61-1895-1770	0.1895	0.1770
61-1900-1820	0.1900	0.1820



Part No.	Reamer Dia.	Pilot Dia.
61-1910-1560	0.1910	0.1560
61-1910-1870	0.1910	0.1870
61-1920-1850	0.1920	0.1850
61-1930-1280	0.1930	0.1280
61-1930-1870	0.1930	0.1870
61-1960-1730	0.1960	0.1730
61-1960-1890	0.1960	0.1890
61-1970-1850	0.1970	0.1850
61-1980-1570	0.1980	0.1570
61-1980-1870	0.1980	0.1870
61-1985-1850	0.1985	0.1850
61-1990-1840	0.1990	0.1840
61-1990-1850	0.1990	0.1850
61-1990-1860	0.1990	0.1860
61-1990-1865	0.1990	0.1865
61-1990-1870	0.1990	0.1870
61-1990-1890	0.1990	0.1890
61-1990-1892	0.1990	0.1892
61-1990-1895	0.1990	0.1895
61-1990-1920	0.1990	0.1920
61-1995-1850	0.1995	0.1850
61-2000-1840	0.2000	0.1840
61-2000-1870	0.2000	0.1870
61-2000-1930	0.2000	0.1930
61-2010-1870	0.2010	0.1870
61-2010-1890	0.2010	0.1890
61-2020-1990	0.2020	0.1990
61-2026-1880	0.2026	0.1880
61-2026-1900	0.2026	0.1900
61-2031-1875	0.2031	0.1875
61-2035-1965	0.2035	0.1965
61-2040-1810	0.2040	0.1810
61-2049-1958	0.2049	0.1958
61-2090-1810	0.2090	0.1810
61-2090-1870	0.2090	0.1870
61-2130-1980	0.2130	0.1980
61-2130-1990	0.2130	0.1990
61-2130-2010	0.2130	0.2010
61-2140-1950	0.2140	0.1950
61-2140-1970	0.2140	0.1970
61-2140-1985	0.2140	0.1985
61-2140-1990	0.2140	0.1990
61-2140-2030	0.2140	0.2030
61-2147-1980	0.2147	0.1980
61-2150-1870	0.2150	0.1870
61-2150-1890	0.2150	0.1890
61-2150-1960	0.2150	0.1960
61-2150-1990	0.2150	0.1990
61-2150-2000	0.2150	0.2000
61-2155-1960	0.2155	0.1960
61-2155-1980	0.2155	0.1980
61-2158-2000	0.2158	0.2000
61-2160-1870	0.2160	0.1870
61-2160-1980	0.2160	0.1980
61-2160-1990	0.2160	0.1990
61-2165-2010	0.2165	0.2010
61-2180-1990	0.2180	0.1990
61-2186-2020	0.2186	0.2020
61-2188-1719	0.2188	0.1719
61-2188-1875	0.2188	0.1875
61-2188-2020	0.2188	0.2020
61-2188-2031	0.2188	0.2031
61-2190-2040	0.2190	0.2040
61-2280-2145	0.2280	0.2145
61-2283-1251	0.2283	0.1251
61-2300-2150	0.2300	0.2150
61-2310-2150	0.2310	0.2150
61-2310-2190	0.2310	0.2190
61-2314-2158	0.2314	0.2158
61-2340-1590	0.2340	0.1590
61-2340-1710	0.2340	0.1710
61-2340-1850	0.2340	0.1850

Part No.	Reamer Dia.	Pilot Dia.
61-2340-1990	0.2340	0.1990
61-2340-2150	0.2340	0.2150
61-2340-2180	0.2340	0.2180
61-2344-1875	0.2344	0.1875
61-2344-2188	0.2344	0.2188
61-2362-2283	0.2362	0.2283
61-2440-1990	0.2440	0.1990
61-2440-2362	0.2440	0.2362
61-2450-1870	0.2450	0.1870
61-2450-1990	0.2450	0.1990
61-2460-1870	0.2460	0.1870
61-2460-2280	0.2460	0.2280
61-2460-2330	0.2460	0.2330
61-2460-2340	0.2460	0.2340
61-2460-2410	0.2460	0.2410
61-2460-2420	0.2460	0.2420
61-2462-2324	0.2462	0.2324
61-2470-1860	0.2470	0.1860
61-2470-1870	0.2470	0.1870
61-2470-1990	0.2470	0.1990
61-2470-2150	0.2470	0.2150
61-2470-2180	0.2470	0.2180
61-2470-2188	0.2470	0.2188
61-2470-2310	0.2470	0.2310
61-2470-2314	0.2470	0.2314
61-2470-2330	0.2470	0.2330
61-2470-2340	0.2470	0.2340
61-2470-2420	0.2470	0.2420
61-2480-2130	0.2480	0.2130
61-2480-2160	0.2480	0.2160
61-2480-2180	0.2480	0.2180
61-2485-2440	0.2485	0.2440
61-2495-2230	0.2495	0.2230
61-2495-2330	0.2495	0.2330
61-2496-2440	0.2496	0.2440
61-2500-1870	0.2500	0.1870
61-2500-1910	0.2500	0.1910
61-2500-1930	0.2500	0.1930
61-2500-2031	0.2500	0.2031
61-2500-2188	0.2500	0.2188
61-2500-2230	0.2500	0.2230
61-2500-2340	0.2500	0.2340
61-2500-2344	0.2500	0.2344
61-2500-2390	0.2500	0.2390
61-2500-2460	0.2500	0.2460
61-2500-2470	0.2500	0.2470
61-2502-2324	0.2502	0.2324
61-2510-2170	0.2510	0.2170
61-2540-2500	0.2540	0.2500
61-2570-2450	0.2570	0.2450
61-2585-2450	0.2585	0.2450
61-2600-2310	0.2600	0.2310
61-2602-2440	0.2602	0.2440
61-2610-2170	0.2610	0.2170
61-2610-2440	0.2610	0.2440
61-2610-2450	0.2610	0.2450
61-2610-2460	0.2610	0.2460
61-2610-2470	0.2610	0.2470
61-2610-2500	0.2610	0.2500
61-2618-2440	0.2618	0.2440
61-2620-2460	0.2620	0.2460
61-2620-2470	0.2620	0.2470
61-2620-2500	0.2620	0.2500
61-2621-2470	0.2621	0.2470
61-2630-2344	0.2630	0.2344
61-2630-2460	0.2630	0.2460
61-2630-2470	0.2630	0.2470
61-2630-2500	0.2630	0.2500
61-2635-2500	0.2635	0.2500
61-2650-2470	0.2650	0.2470
61-2650-2620	0.2650	0.2620
61-2651-2480	0.2651	0.2480



Part No.	Reamer Dia.	Pilot Dia.
61-2651-2500	0.2651	0.2500
61-2656-2344	0.2656	0.2344
61-2656-2500	0.2656	0.2500
61-2660-2500	0.2660	0.2500
61-2680-2570	0.2680	0.2570
61-2750-2450	0.2750	0.2450
61-2760-2550	0.2760	0.2550
61-2760-2610	0.2760	0.2610
61-2760-2630	0.2760	0.2630
61-2760-2650	0.2760	0.2650
61-2770-2650	0.2770	0.2650
61-2780-2500	0.2780	0.2500
61-2780-2620	0.2780	0.2620
61-2780-2630	0.2780	0.2630
61-2780-2640	0.2780	0.2640
61-2780-2650	0.2780	0.2650
61-2782-2621	0.2782	0.2621
61-2790-2500	0.2790	0.2500
61-2790-2610	0.2790	0.2610
61-2790-2635	0.2790	0.2635
61-2807-2640	0.2807	0.2640
61-2810-2460	0.2810	0.2460
61-2810-2500	0.2810	0.2500
61-2810-2656	0.2810	0.2656
61-2810-2780	0.2810	0.2780
61-2812-2500	0.2812	0.2500
61-2812-2656	0.2812	0.2656
61-2820-2500	0.2820	0.2500
61-2820-2640	0.2820	0.2640
61-2930-2780	0.2930	0.2780
61-2930-2810	0.2930	0.2810
61-2939-2782	0.2939	0.2782
61-2940-2790	0.2940	0.2790
61-2960-1870	0.2960	0.1870
61-2960-2340	0.2960	0.2340
61-2960-2770	0.2960	0.2770
61-2960-2810	0.2960	0.2810
61-2969-2485	0.2969	0.2485
61-2969-2500	0.2969	0.2500
61-2969-2780	0.2969	0.2780
61-2969-2812	0.2969	0.2812
61-3080-2760	0.3080	0.2760
61-3080-2780	0.3080	0.2780
61-3085-2910	0.3085	0.2910
61-3090-2460	0.3090	0.2460
61-3090-2470	0.3090	0.2470
61-3090-2500	0.3090	0.2500
61-3090-2670	0.3090	0.2670
61-3090-2790	0.3090	0.2790
61-3090-2930	0.3090	0.2930
61-3090-2939	0.3090	0.2939
61-3090-2950	0.3090	0.2950
61-3090-2960	0.3090	0.2960
61-3095-2470	0.3095	0.2470
61-3100-3020	0.3100	0.3020
61-3110-2810	0.3110	0.2810
61-3110-2952	0.3110	0.2952
61-3110-3070	0.3110	0.3070
61-3120-2440	0.3120	0.2440
61-3120-2500	0.3120	0.2500
61-3120-2800	0.3120	0.2800
61-3120-2950	0.3120	0.2950
61-3120-3080	0.3120	0.3080
61-3122-3070	0.3122	0.3070
61-3122-3071	0.3122	0.3071
61-3125-2500	0.3125	0.2500
61-3125-2812	0.3125	0.2812
61-3125-2969	0.3125	0.2969
61-3125-2970	0.3125	0.2970
61-3149-3122	0.3149	0.3122
61-3155-3125	0.3155	0.3125
61-3200-3060	0.3200	0.3060

Part No.	Reamer Dia.	Pilot Dia.
61-3228-3149	0.3228	0.3149
61-3230-3080	0.3230	0.3080
61-3235-3100	0.3235	0.3100
61-3240-3090	0.3240	0.3090
61-3240-3120	0.3240	0.3120
61-3250-3080	0.3250	0.3080
61-3250-3090	0.3250	0.3090
61-3250-3120	0.3250	0.3120
61-3251-3090	0.3251	0.3090
61-3251-3095	0.3251	0.3095
61-3260-3120	0.3260	0.3120
61-3271-3130	0.3271	0.3130
61-3276-3110	0.3276	0.3110
61-3280-3125	0.3280	0.3125
61-3281-3125	0.3281	0.3125
61-3350-3150	0.3350	0.3150
61-3380-3230	0.3380	0.3230
61-3380-3250	0.3380	0.3250
61-3390-3230	0.3390	0.3230
61-3400-3120	0.3400	0.3120
61-3400-3240	0.3400	0.3240
61-3400-3250	0.3400	0.3250
61-3407-3251	0.3407	0.3251
61-3410-3120	0.3410	0.3120
61-3410-3240	0.3410	0.3240
61-3420-3250	0.3420	0.3250
61-3420-3280	0.3420	0.3280
61-3432-3260	0.3432	0.3260
61-3438-3125	0.3438	0.3125
61-3438-3280	0.3438	0.3280
61-3438-3281	0.3438	0.3281
61-3500-3300	0.3500	0.3300
61-3560-3400	0.3560	0.3400
61-3560-3440	0.3560	0.3440
61-3560-3450	0.3560	0.3450
61-3590-3050	0.3590	0.3050
61-3590-3400	0.3590	0.3400
61-3590-3420	0.3590	0.3420
61-3594-3125	0.3594	0.3125
61-3594-3436	0.3594	0.3436
61-3594-3438	0.3594	0.3438
61-3600-3200	0.3600	0.3200
61-3600-3370	0.3600	0.3370
61-3710-3090	0.3710	0.3090
61-3710-3580	0.3710	0.3580
61-3710-3590	0.3710	0.3590
61-3710-3690	0.3710	0.3690
61-3720-3120	0.3720	0.3120
61-3720-3560	0.3720	0.3560
61-3720-3590	0.3720	0.3590
61-3720-3680	0.3720	0.3680
61-3730-3400	0.3730	0.3400
61-3745-3580	0.3745	0.3580
61-3750-2500	0.3750	0.2500
61-3750-3125	0.3750	0.3125
61-3750-3438	0.3750	0.3438
61-3750-3440	0.3750	0.3440
61-3750-3494	0.3750	0.3494
61-3750-3500	0.3750	0.3500
61-3750-3594	0.3750	0.3594
61-3750-3600	0.3750	0.3600
61-3850-3120	0.3850	0.3120
61-3856-3700	0.3856	0.3700
61-3860-3120	0.3860	0.3120
61-3860-3730	0.3860	0.3730
61-3860-3750	0.3860	0.3750
61-3870-3720	0.3870	0.3720
61-3870-3730	0.3870	0.3730
61-3906-3750	0.3906	0.3750
61-3910-3750	0.3910	0.3750
61-3917-3080	0.3917	0.3080
61-3930-3850	0.3930	0.3850



Part No.	Reamer Dia.	Pilot Dia.
61-4000-3600	0.4000	0.3600
61-4015-3860	0.4015	0.3860
61-4020-3880	0.4020	0.3880
61-4030-3750	0.4030	0.3750
61-4030-3870	0.4030	0.3870
61-4057-3890	0.4057	0.3890
61-4060-3910	0.4060	0.3910
61-4062-3750	0.4062	0.3750
61-4062-3906	0.4062	0.3906
61-4180-4030	0.4180	0.4030
61-4210-4050	0.4210	0.4050
61-4219-4062	0.4219	0.4062
61-4220-4060	0.4220	0.4060
61-4330-4210	0.4330	0.4210
61-4335-4130	0.4335	0.4130
61-4340-4180	0.4340	0.4180
61-4340-4220	0.4340	0.4220
61-4370-3750	0.4370	0.3750
61-4370-4200	0.4370	0.4200
61-4375-4050	0.4375	0.4050
61-4375-4062	0.4375	0.4062
61-4375-4219	0.4375	0.4219
61-4380-4340	0.4380	0.4340
61-4480-4370	0.4480	0.4370
61-4490-4350	0.4490	0.4350
61-4495-4375	0.4495	0.4375
61-4500-4340	0.4500	0.4340
61-4531-4375	0.4531	0.4375
61-4540-4500	0.4540	0.4500
61-4560-4500	0.4560	0.4500
61-4640-4510	0.4640	0.4510
61-4650-4500	0.4650	0.4500
61-4682-4520	0.4682	0.4520
61-4688-4531	0.4688	0.4531
61-4690-4650	0.4690	0.4650
61-4810-4650	0.4810	0.4650
61-4844-4688	0.4844	0.4688
61-4850-3700	0.4850	0.3700
61-4960-4840	0.4960	0.4840
61-4960-4844	0.4960	0.4844
61-4970-4375	0.4970	0.4375
61-4970-4810	0.4970	0.4810
61-4987-4830	0.4987	0.4830
61-5000-4370	0.5000	0.4370
61-5000-4688	0.5000	0.4688
61-5000-4690	0.5000	0.4690
61-5000-4844	0.5000	0.4844
61-5120-4970	0.5120	0.4970
61-5120-5000	0.5120	0.5000
61-5140-4980	0.5140	0.4980
61-5156-5000	0.5156	0.5000
61-5270-5156	0.5270	0.5156
61-5290-5120	0.5290	0.5120
61-5430-5290	0.5430	0.5290

PILOTED REAMER SETS – 1/64" INCREMENTS

- Set out in CNC-cut high-density foam trays which are rigidized to facilitate lifting in and out of case
- Foam fitted into rugged, waterproof Explorer Case

Contents RK4419B:

Size	Flute Length	OAL
.5000/.4844	52mm	202mm
.5156/.5000	52mm	202mm
.5312/.5156	52mm	202mm
.5468/.5312	52mm	202mm
.5625/.5468	52mm	202mm
.5781/.5625	52mm	202mm
.5938/.5781	59mm	229mm
.6094/.5938	59mm	229mm
.6250/.6094	59mm	229mm
.6406/.6250	59mm	229mm
.6562/.6406	59mm	229mm
.6718/.6562	59mm	229mm
.6875/.6718	59mm	229mm
.7031/.6875	59mm	229mm
.7188/.7031	59mm	229mm
.7344/.7188	66mm	242mm
.7500/.7344	66mm	242mm
.7656/.7500	66mm	242mm
.7812/.7656	66mm	242mm
.7969/.7812	66mm	242mm
.8125/.7969	66mm	242mm
.8281/.8125	66mm	242mm
.8438/.8281	66mm	255mm
.8594/.8438	69mm	255mm
.8750/.8594	69mm	255mm
.8906/.8750	69mm	255mm
.9062/.8906	69mm	255mm
.9219/.9062	69mm	255mm
.9375/.9219	69mm	255mm
.9531/.9375	69mm	255mm
.9688/.9531	69mm	255mm
.9843/.9688	73mm	268mm
1.000/.9844	73mm	268mm

Contents RK3317B:

Size	Flute Length	OAL
.1250/.1094	24mm	91mm
.1562/.1406	27mm	105mm
.1406/.1250	27mm	105mm
.1719/.1562	30mm	116mm
.1875/.1719	30mm	115mm
.2188/.2031	33mm	127mm
.2031/.1875	33mm	127mm
.2344/.2188	38mm	152mm
.2656/.2500	38mm	152mm
.2500/.2344	38mm	152mm
.2812/.2656	38mm	152mm
.3125/.2969	38mm	152mm
.2969/.2812	38mm	152mm
.3438/.3281	38mm	152mm
.3281/.3125	38mm	152mm
.3594/.3438	45mm	177mm
.3750/.3594	45mm	177mm
.3906/.3750	45mm	177mm
.4062/.3906	45mm	177mm
.4531/.4375	45mm	178mm
.4375/.4219	45mm	178mm
.4219/.4062	45mm	178mm
.4688/.4531	45mm	178mm
.4844/.4688	51mm	203mm



RK3317B

Part No.	Description	Pieces	Case Dimension (Ext)
RK3317B	Reamer Set 1/8" - 1/2" (nominal) - small sizes	24	305 x 270 x 144mm
RK4419B	Reamer Set 1/2" - 1" (nominal) - large sizes	33	474 x 415 x 214mm

Holesaws & Saws

HOLESAWS – BI-METAL

- 4/6 variable tooth
- 35mm (1-3/8") cutting depth
- Unique variable tooth geometry for consistent cutting ability in a wide range of materials
- Manufactured to strict Alpha specifications to suit demanding Australian conditions
- 8% cobalt Bi-metal gives ultimate performance and superior welding technology prevents tooth strippage
- 38mm cutting depth



Part No.	Diameter	Imperial Equivalent
HSV14	14 mm	9/16"
HSV16	16 mm	5/8"
HSV17	17 mm	11/16"
HSV19	19 mm	3/4"
HSV20	20 mm	-
HSV21	21 mm	13/16"
HSV22	22 mm	7/8"
HSV24	24 mm	15/16"
HSV25	25 mm	1"
HSV27	27 mm	1-1/16"
HSV29	29 mm	1-1/8"
HSV30	30 mm	1-3/16"
HSV32	32 mm	1-1/4"
HSV33	33 mm	1-5/16"
HSV35	35 mm	1-3/8"
HSV37	37 mm	1-7/16"
HSV38	38 mm	1-1/2"
HSV40	40 mm	1-9/16"
HSV41	41 mm	1-5/8"
HSV43	43 mm	1-11/16"
HSV44	44 mm	1-3/4"
HSV45	45 mm	1-25/32"
HSV46	46 mm	1-13/16"
HSV48	48 mm	1-7/8"
HSV50	50 mm	1-31/32"
HSV51	51 mm	2"
HSV52	52 mm	2-1/16"
HSV54	54 mm	2-1/8"
HSV55	55 mm	2-5/32"

Part No.	Diameter	Imperial Equivalent
HSV57	57 mm	2-1/4"
HSV59	59 mm	2-5/16"
HSV60	60 mm	2-3/8"
HSV64	64 mm	2-1/2"
HSV65	65 mm	2-9/16"
HSV67	67 mm	2-5/8"
HSV68	68 mm	2-21/32"
HSV70	70 mm	2-3/4"
HSV73	73 mm	2-7/8"
HSV75	75 mm	2-15/16"
HSV76	76 mm	3"
HSV79	79 mm	3-1/8"
HSV83	83 mm	3-1/4"
HSV86	86 mm	3-3/8"
HSV89	89 mm	3-1/2"
HSV92	92 mm	3-5/8"
HSV95	95 mm	3-3/4"
HSV98	98 mm	3-7/8"
HSV100	100 mm	3-15/16"
HSV102	102 mm	4"
HSV105	105 mm	4-1/8"
HSV108	108 mm	4-1/4"
HSV114	114 mm	4-1/2"
HSV121	121 mm	4-3/4"
HSV127	127 mm	5"
HSV140	140 mm	5-1/2"
HSV146	146 mm	5-3/4"
HSV152	152 mm	6"

ARBORS – UNIVERSAL SIZING

Arbors to suit all holesaws



Part No.	Description	Suits Holesaws
ARB-1	Hex Shank Arbor - Hex	14-30mm
ARB-2	Hex Shank Arbor - Hex	32-198mm
ARB-SP2	Large Shank Arbor - SDS	32-198mm

12 PIECE HOLE SAW KIT

- M42 Cobalt Bi-Metal H
- Contents:
- Hole Saws: 16, 19, 22, 29, 35, 38, 44, 51, 54, 64mm
 - Adapter
 - Small and Large Quick Release Arbors



Part No.	Description
HSKTR12	12 Piece Hole Saw Kit

PILOT DRILLS – UNIVERSAL SIZING



Part No.	Description	Suits Holesaws
PLD-1	3-1/4" Pilot Drill (ARB-1)	14-30mm
PLD-2	4-1/4" Pilot Drill (ARB-2)	32-198mm

ROTACUT® 10 PIECE HOLE SAW KIT

- Produces clean burr free round holes without deforming surrounding material
 - 1/4-Inch depth of cut
- Contents:
- Arbor Assembly
 - Hole Saws: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4 in
 - Centre Punch
 - Extra pilot



Part No.	Description
RB 11075	10 Piece Rotacut® Hole Saw Kit

FINE TOOTH HOLE SAWS

Fine tooth hole saws are made from solid high speed steel. A back taper on the outside and inside diameters ensures fast, free cutting. The outside diameter is ground concentric with the tapped hole to produce close tolerance and perfectly round holes. These fine tooth hole saws are designed primarily for fast cutting through thin skins, steel, and other material, and are particularly useful for tubular assemblies.

Larger sizes available to order please enquire (up to 3") and also coarse thread versions too



Part No.	Diameter
HS400-1	3/8"
HS400-1A	13/32"
HS400-2	7/16"
HS400-2A	15/32"
HS400-3	1/2"
HS400-3A	17/32"
HS400-4	9/16"
HS400-4A	19/32"
HS400-5	5/8"
HS400-5a	21/32"

Part No.	Diameter
HS400-6	11/16"
HS400-6a	23/32"
HS400-7	3/4"
HS400-8	13/16"
HS400-8A	27/32"
HS400-9	7/8"
HS400-9A	29/32"
HS400-10	15/16"
HS400-10A	31/32"
HS400-11	1"

HOLE SAW ARBORS FOR FINE TOOTH HOLE SAWS



Part No.	"D" Pilot Dia.	Shank Dia.	Thread Size
HSA-0	Special	1/4	5/16-24
HSA-1	3/16	1/4	5/16-24
HSA-2	1/4	1/4	5/16-24

DOTCO® PANEL SAW

- Depth of cut by use of panel guard
- Uses 2" metal blades
- Maximum depth of cut 111mm



Part No.	RPM	Arbor Size	Body Length
12S1282-02	12,000	1/4"	180mm

TAYLOR HEAVY DUTY SHEAR

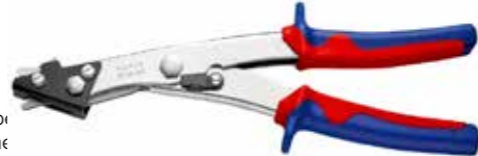
- Head can be rotated a full 360° for ease of use
- A 1/4" strip is removed by the cutting action
- Cuts up to 18 gauge sheet metal



Part No.	Description	RPM	Body Length
T-7700	Taylor Shear	25	210mm

SHEET METAL NIBBLER

- For cutting iron, copper or aluminium sheet metal up to max. 1.2 mm thickness, plastic up to max. 2.0 mm thickness
- Materials are cut without deformation
- Clean cut edges – no trimming activities needed
- Tool body: special tool steel, rolled, oil-hardened
- With chip breaker
- Easy handling
- Blades: special tool steel, rolled, oil-hardened



Part No.	Description	Cutting Width
90 55 280	Sheet Metal Nibbler	2.7 mm

KETT PANEL SAW

- Cuts mild steel up to 16 gauge / aluminium up to 1/4"
- Depth of cut by use of panel guard
- Uses 1-3/4" or 2" metal blades (4 supplied with unit)



Part No.	Description	Arbor Size	Body Length
PS-526	Kett Panel Saw	7/16"	280mm

TAYLOR AIR NIBBLER

- Head can be rotated a full 360° for ease of use
- Makes a 7/32" kerf as it cuts



Part No.	Description	RPM	Body Length
T-7711	Taylor Nibbler	25	177mm

STANLEY® FATMAX® HIGH TENSION HACKSAW

- Durable, one-piece body is designed for ultra-high tension of 32,000 psi.
- Pre-tensioning mechanism holds blade in place for quick and easy blade changes.
- Thumb-dial adjustable tension mechanism allows for tension memory.
- Large cutting capacity – up to 4-3/4" throat depth for extra-deep cutting.
- Power load sliding tension delivers leverage when increasing tension and control when releasing blade.
- Contoured handle and front thumb grip are ergonomically designed for control.
- Blade can be positioned at 45° or 90° cutting angle.
- Accepts 12" blades only.
- 1 x hacksaw blade included (15-631)



Part No.	Blade Length	Throat Depth
20-531	12 inch (305mm)	4-3/4 in (121 mm)

STANLEY® COMPOSITE HACKSAW

- Unique 12" arc shape fixed frame allows for cutting in tight, hard-to-reach areas.
- I-beam frame provides strength and durability; made from high impact polymer with steel core.
- High-tension knob makes blade tension adjustment easy.
- Ergonomically designed non-slip grip handle for comfortable use.
- Carbon steel hacksaw blade (12 in x 24 TPI) included: 1
- 4" throat depth cuts large PVC pipes.
- Patented design.



Part No.	Blade Length	Throat Depth
15-892K	12 in (305mm)	4 in (102mm)

STANLEY® METAL MINI-HACK™ UTILITY SAW

- Cast aluminum handle is lightweight, comfortable and durable.
- Handle covers blade to protect end user's hands.
- High-performance blade included (15-628): 1.



Part No.	Blade Length	Teeth per Inch
15-809	10 in (254mm)	24TPI

HIGH SPEED 12" HACKSAW BLADES

- Combines the flexibility of carbon steel backs with the cutting performance of a high-speed steel cutting edge.
- Coated blade for corrosion protection, cuts most metals including unhardened tool steel and stainless steel.



Part No.	Blades	Length	Points per Inch	Teeth per Inch
15-612	10	12 in (305 mm)	19 PPI	18 TPI
15-613	10	12 in (305 mm)	25 PPI	24 TPI
15-614	10	12 in (305 mm)	33 PPI	32 TPI
15-628	1	12 in (305 mm)	25 PPI	24 TPI
15-630	1	12 in (305 mm)	33 PPI	32 TPI
15-631	1	12 in (305 mm)	25 PPI	24 TPI
15-632	1	12 in (305 mm)	19 PPI	18 TPI

HIGH SPEED STEEL 10" HACKSAW BLADES

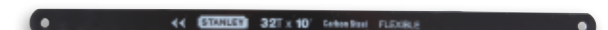
- Ground tooth design for improved cutting performance versus traditional hacksaw blades.
- Flexible, high speed steel blade, cuts most metals including unhardened tool steel and stainless steel.
- Coated blade for corrosion protection.



Part No.	Blades	Length	Points per Inch	Teeth per Inch
15-802A	1	10 in (254 mm)	33 PPI	32 TPI
15-804A	1	10 in (254 mm)	25 PPI	24 TPI
15-808A	1	10 in (254 mm)	19 PPI	18 TPI
15-822A	1	10 in (254 mm)	33 PPI	32 TPI
15-842A	1	10 in (254 mm)	25 PPI	24 TPI
15-828A	1	10 in (254 mm)	19 PPI	18 TPI

CARBON STEEL 10" HACKSAW BLADES

- Flexible, high carbon steel blade.
- Coated blade for corrosion protection.
- Cuts mild steel, cast iron, aluminum, and copper.



Part No.	Blades	Length	Points per Inch	Teeth per Inch
15-902A	2	10 in (254 mm)	33 PPI	32 TPI
15-904A	2	10 in (254 mm)	25 PPI	24 TPI
15-908A	2	10 in (254 mm)	19 PPI	18 TPI
15-922A	2	10 in (254 mm)	33 PPI	32 TPI
15-924A	2	10 in (254 mm)	25 PPI	24 TPI
15-928A	2	10 in (254 mm)	19 PPI	18 TPI