

CLARKSON 🐲 OSBORN

WALTER

Surface Technologi

Step Drill Bit Set

- Dual-flute design provides greater speed and control means a jam-free performance
- Rapid Strike™ Tip creates fast, accurate starts and generates less heat
- Includes:

#4 Step drill bit (3/16" - 7/8" by 1/16") #2 Step drill bit (3/16" - 1/2" by 1/16") #1 Step drill bit (1/8" - 1/2" by 1/32")





Model	Mfg.	No. of	Material	Price
No.	No.	Pieces		/Each
TYE901	48-89-9221	3	High Speed Steel	

Step Drill Bit Set

- Dual-flute design provides greater speed and control means a jam-free performance
- Rapid Strike™ Tip creates fast, accurate starts and generates less heat
- Includes:
 - (1) #7 Step drill bit (7/8" single hole) (1) #4 Step drill bit (3/16" - 7/8" by 1/16")
 - (1) #12 Step drill bit (7/8" 1-3/8")
- (1) #1 Step drill bit (1/8" 1/2" by 1/32")
- (1) Carrying case



Model	Mfg.	No. of		Price
No.	No.	Pieces	Material	/Each
TYE903	48-89-9223	4	High Speed Steel	

Step Drill Bit Set

- Dual-flute design provides greater speed and control means a jam-free performance
- Rapid Strike™ Tip creates fast, accurate starts and generates less heat
- Includes:
- (1) #9 Step drill bit (7/8" & 1-1/8"), (1) #8 Step drill bit (1/2" - 1" by 1/16") (1) #7 Step drill bit (7/8" single hole) (1) #6 Step drill bit (3/8" - 1/2" by 1/16") (1) #4 Step drill bit (3/16" - 7/8" by 1/16") (1) #1 Step drill bit (1/8" - 1/2" by 1/32")





Model No.	Mfg. No.	No. of Pieces	Material	Price /Each
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TYF904	48-89-9224	6	High Speed Steel	

Shockwave™ Impact **Duty™ Step Drill Bit Set**

- Includes:
- #1 Shockwave™ Impact Duty™ drill bit, #2 ShockwaveTM Impact DutyTM drill bit, #4 ShockwaveTM Impact DutyTM drill bit





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Combined Drills & Countersinks

- Solid carbide 10% cobalt
- Right-hand cut
- Each drill has 2 hole diameters
- 118° angle point
- 60° countersink angle
- Bright finish

Applications:

Designed to produce accurate centre holes in components which require machining between centres.

Model	Size	Small	Large	Overall	Price
No.	No.	Dia."	Dia."	Length"	/Each
BK813	00	1/32	1/8	1 1/2	
BK820	0	0.025	1/8	1 1/2	
BK814	1	3/64	1/8	1 1/2	
BK815	2	5/64	3/16	1 7/8	
BK816	3	7/64	1/4	2	
BK817	4	1/8	5/16	2 1/8	
BK818	5	3/16	7/16	2 3/4	
BK819	6	7/32	1/2	3"	

Multi-Step Drill Bit Set

- Special AICrN coating provides additional toughness and wear-resistance to prolong tooling life
- 2 wide, cylindrical flutes eliminate chip buildup for faster drilling and produce holes with minimum vibration or distortion
- Each shank has three flats for easy mounting
- Perfect for cutting or enlarging holes in sheet material
- Special bronze SST heat and surface treatment
- Includes:
 - (1) 13 step from 1/8" to 1/2"
 - (1) 12 step from 3/16" to 7/8"
- (1) 10 step from 1/4" to 1-3/8"

Model	Mfg.	No. of	Material	Price
No.	No.	Pieces		/Each
TC0443	01W951	3	High Speed Steel	

Step Drills

- · High speed steel
- Bright finish

Applications:

Stepped cone design provides better control of hole sizes in materials up to 1/8" thick. One step drill does job of up to 13 different size drills. Holes are automatically deburred by cutting edge of next larger size. Ideal for sheet metal and holeenlarging work.



CLARKSON 555 OSBORN

Model No.		Price/Each			
TJZ800	Step drill 3-pie				
Model	Size	# of	Range		Price
No.	No.	holes	from - to	Increments	/Each
TJZ795	1	13	1/8 to 1/2	1/32	
TJZ796	2	6	3/16 to 1/2	1/16	
TJZ797	3	9	1/4 to 3/4	1/16	
TJZ798	4	12	3/16 to 7/8	1/16	
T17700	-	10	1/41. 13/0	1/0	

Step Drill Bit

Flute Type: Straight







Model No.	Mfg. No.	Description	Shank Size"	Min. Drill Size"	Max. Drill Size"	Price /Each
TYE890	48-89-9201	#1	1/4	1/8	1/2	
TYE893	48-89-9204	#4	3/8	7/8	3/16	
TYE894	48-89-9205	#5	3/8	1/4	1-3/8	
TYE898	48-89-9209	#9	3/8	7/8	1-1/8	
TYE900	48-89-9212	#12	3/8	7/8	1-3/8	