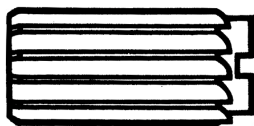


HSS SHELL MACHINE REAMERS # 219 A & # 219 B

High Speed Steel - Bore Taper 1:30 - To be used with Arbor # 217

Top Quality - Typical Origin: Austria, Germany, United States

219 A = Straight Flute # 219 B = Spiral Flute (Both styles available in all sizes below)



219 A Straight Flute



219 B Spiral Flute

NOM. DIA. mm	BORE DIA. mm	LENGTH		ARBOR # 217 SIZE No.								
		FLUTE mm	OVERALL mm									
25 26 27 28 29 30	13	32	45	2								
31 32 33 34 35												
36 37 38 39 40 41 42					16	36	50	3				
43 44 45 46 47 48 49 50												
43 44 45 46 47 48 49 50									19	40	56	4
43 44 45 46 47 48 49 50												
43 44 45 46 47 48 49 50	22	45	63	5								
43 44 45 46 47 48 49 50												
43 44 45 46 47 48 49 50												
43 44 45 46 47 48 49 50												
43 44 45 46 47 48 49 50												

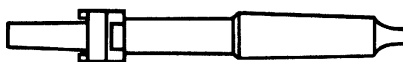
NOM. DIA. mm	BORE DIA. mm	LENGTH		ARBOR # 217 SIZE No.				
		FLUTE mm	OVERALL mm					
52 55 56 58 60	27	50	71	6				
62 65 68 70								
72 75					32	56	80	7
78 80 82 85								
88 90 92 95 98 100								
88 90 92 95 98 100								
88 90 92 95 98 100	50	71	100	9				
88 90 92 95 98 100								

ARBORS # 217

For Shell Reamers # 219 A and # 219 B

Taper 1:30 - Morse Taper Shank

Top Quality - Typical Origin: Austria, Germany, United States



ARBOR SIZE	TO BE USED WITH REAMER NOM. DIA.	BORE DIA. mm	OVERALL LENGTH mm	MORSE TAPER #
NOM 2	25 - 30	13	250	3
NOM 3	31 - 35	16	261	3
NOM 4	36 - 42	19	298	4
NOM 5	43 - 50	22	312	4
NOM 6	51 - 60	27	359	5
NOM 7	61 - 71	32	376	5
NOM 8	72 - 85	40	396	5
NOM 9	86 - 100	50	416	5

How to Order

Item #: 219 A

Size: 68

Quantity: 1

Tel: 1-888-966-MMCC