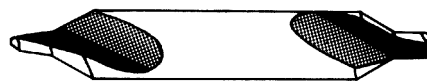


Section 5 Cutting Tools

CENTER DRILLS # 333 A

333 A = 60° Countersunk Angle
High Speed Steel - Double End - Combined Drill & Countersink
Top Quality - Typical Origin: Austria, Germany, United States

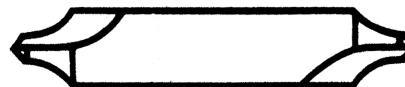
DRILL DIA. mm	OVERALL LENGTH mm	SHANK DIA. mm
1	31.5	3.15
1.25	31.5	3.15
1.6	35.5	4
2	40	5
2.5	45	6.3
3.15	50	8
4	56	10
5	63	12.5
6.3	71	16
8	80	20
10	100	25



CENTER DRILLS # 333 R

333 R = Radius Countersunk
High Speed Steel - Double End - Combined Drill & Countersink
Top Quality - Typical Origin: Austria, Germany, United States

DRILL DIA. mm	OVERALL LENGTH mm	SHANK DIA. mm
1	31.5	3.15
1.25	31.5	3.15
1.6	35.5	4
2	40	5
2.5	45	6.3
3.15	50	8
4	56	10
5	63	12.5
6.3	71	16
8	80	20
10	100	25



SOLID CARBIDE CENTER DRILLS # 333 C

60° Countersunk Angle - Solid Carbide - Double End - Combined Drill & Countersink
Top Quality - Typical Origin: Austria, Germany, United States

NOMINAL DIAMETER	DRILL DIA. mm	SHANK DIA. mm	OVERALL LENGTH mm
NOM 0	0.79	3.1	38
NOM 1	1.19	3.1	38
NOM 2	1.98	4.8	50
NOM 3	2.78	6.4	50
NOM 4	3.17	8	57
NOM 5	4.76	11	70
NOM 6	5.56	12	75
NOM 7	6.35	15	80
NOM 8	7.94	19	85



How to Order

Item #: 333 A
Size: 1
Quantity: 30
Tel: 1-888-966-MMCC