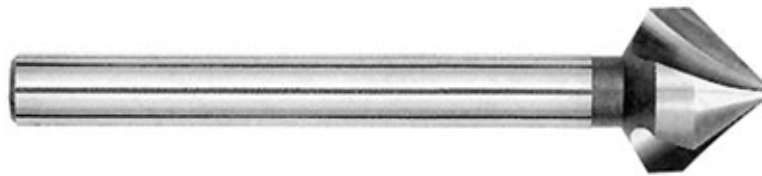




### Countersinks – 3 Flute

Metric – Cobalt M35, TiN Coated & Carbide (continued)

Metric – Cobalt – 90° Angle – Extra-Long



COUNTERBORES & COUNTERSINKS

D Overall Diameter (mm)	d Shank Diameter (mm)	Chamfer Range Min/Max (mm)	L Overall Length (mm)	Series 4303 Code
6.3	6	1.3-6.3	84	540500
8.3	8	1.8-8.3	85	540501
10.4	10	2.2-10.4	87	540502
12.4	10	2.5-12.4	108	540503

D Overall Diameter (mm)	d Shank Diameter (mm)	Chamfer Range Min/Max (mm)	L Overall Length (mm)	Series 4303 Code
16.5	16	2.8-16.5	112	540504
20.5	16	3-20.5	115	540505
25	20	3.2-25	118	540506

### Metric – Carbide – 90° Angle

**Hard'X:** AlTiN carbide tool coating with a high hardness of 3500 HV. This coating shows high thermic stability and excellent protection against heat and wear. Ideal for dry machining – high speed cut – in treated steels and dies up to 67 HRC

D Overall Diameter (mm)	d Shank Diameter (mm)	Chamfer Range Min/Max (mm)	L Overall Length (mm)	Series 8431 Code	Hard'X Series 8431-H Code
4.3	4	1.3-4.3	40	314357	314387
5.3	4	1.3-5.3	40	314360	314390
6.3	5	1.3-6.3	45	314363	314393
8.3	6	1.8-8.3	50	314366	314396
10.4	6	2.2-10.4	50	314369	314399

D Overall Diameter (mm)	d Shank Diameter (mm)	Chamfer Range Min/Max (mm)	L Overall Length (mm)	Series 8431 Code	Hard'X Series 8431-H Code
12.4	8	2.5-12.4	56	314372	314402
16.5	10	2.8-16.5	60	314375	314405
20.5	10	3-20.5	63	314378	314408
25	10	3.2-25	67	314381	314411
31	12	3.5-31	71	314384	314414

### Metric – Carbide – 90° Angle – Extra-Long

D Overall Diameter (mm)	d Shank Diameter (mm)	Chamfer Range Min/Max (mm)	L Overall Length (mm)	Series 8431-L Code
6.3	6	1.3-6.3	84	314417
8.3	8	1.8-8.3	85	314420
10.4	10	2.2-10.4	87	314423

D Overall Diameter (mm)	d Shank Diameter (mm)	Chamfer Range Min/Max (mm)	L Overall Length (mm)	Series 8431-L Code
12.4	10	2.5-12.4	108	314426
16.5	16	2.8-16.5	112	314429
20.5	16	3-20.5	115	314432

### Metric & Inch – Cobalt M35 & TiN Coated – 5-Piece Metric Sets | 6-Piece Inch Sets

- Metric sizes: 10.4, 16.5, 20.5, 25 and 31 mm
- Inch sizes: 1/4, 5/16, 3/8, 1/2, 5/8 and 3/4 Inch
- Supplied in fitted storage case



Included Angle	Metric 5-Piece Sets		Inch 6-Piece Sets	
	Cobalt M35	TiN Coated	Cobalt M35	TiN Coated
	Code	Code	Code	Code
60°	540351	541351	-	-
82°	540352	541352	540446	540447
90°	540353	541353	540444	540445
100°	540354	541354	-	-
120°	540355	541355	-	-

