



Series: DR 3:1

Shank Dia. Range: 6mm-20mm
 Drill Dia. Range: 3mm-20mm
 Max DOC Range: 13mm-58mm
 Overall Length Range: 62mm-134mm

Series: DR 5:1

Shank Dia. Range: 6mm-20mm
 Drill Dia. Range: 3mm-20mm
 Max DOC Range: 21mm-106mm
 Overall Length Range: 66mm-182mm

Series: DRXL 10:1

Shank Dia. Range: 4mm-10mm
 Drill Dia. Range: 4mm-10mm
 Max DOC Range: 50mm-122mm
 Overall Length Range: 105mm-190mm

Series: DRXL 15:1

Shank Dia. Range: 4mm-10mm
 Drill Dia. Range: 4mm-10mm
 Max DOC Range: 70mm-172mm
 Overall Length Range: 125mm-240mm

Series: DRXL 20:1

Shank Dia. Range: 4mm-10mm
 Drill Dia. Range: 4mm-10mm
 Max DOC Range: 85mm-217mm
 Overall Length Range: 140mm-285mm



DRILL•IN™

DRILL•IN^{XL}™



Ingersoll introduces additions to the Drill•In and Drill•InXL lines, for deep hole drilling up to 20xD. This drill series has optimized geometries for smooth chip evacuation with low cutting forces. A pecking cycle is not required - these drills help produce high productivity machining. These drills provide the customer with reliable machining and excellent cost savings and are designed to work with M.Q.L Systems.

- Unique geometry with high performance.
- Strong cutting edges resist chipping and breakage.
- A wide flute design and lapping on the flute for smooth chip evacuation.
- Ultra fine substrate with TiAlN coating for a high level of wear-resistance and toughness.
- Increased body rigidity and high quality of holes with low cutting force.
- Large elliptical radius aligns itself to the surface.

Applications:

- Automotive Parts
- Mold & Die Parts
- Machine Tool Parts



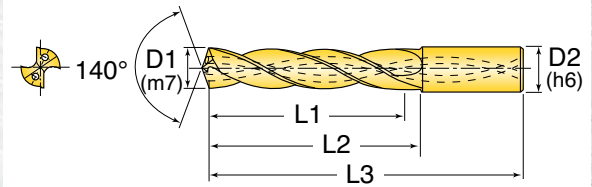
SOLID CARBIDE DRILLS 3:1 GEOMETRY



Drilling



Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR0300013T7R01 IN2005	0.118	3.00mm	6mm Cyl	13.00mm	19.00mm	62.00mm
DR0310013T7R01 IN2005	0.122	3.10mm	6mm Cyl	13.00mm	19.00mm	62.00mm
DR0320013T7R01 IN2005	0.126	3.20mm	6mm Cyl	13.00mm	19.00mm	62.00mm
DR0340013T7R01 IN2005	0.134	3.40mm	6mm Cyl	13.00mm	19.00mm	62.00mm
DR0350013T7R01 IN2005	0.138	3.50mm	6mm Cyl	13.00mm	19.00mm	62.00mm
DR0360013T7R01 IN2005	0.142	3.60mm	6mm Cyl	13.00mm	19.00mm	62.00mm
DR0370013T7R01 IN2005	0.146	3.70mm	6mm Cyl	13.00mm	19.00mm	62.00mm
DR0380016UAR01 IN2005	0.149	3.80mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0390016UAR01 IN2005	0.153	3.90mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0400016UAR01 IN2005	0.157	4.00mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0410016UAR01 IN2005	0.161	4.10mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0420016UAR01 IN2005	0.165	4.20mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0430016UAR01 IN2005	0.169	4.30mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0440016UAR01 IN2005	0.173	4.40mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0450016UAR01 IN2005	0.177	4.50mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0460016UAR01 IN2005	0.181	4.60mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0470016UAR01 IN2005	0.185	4.70mm	6mm Cyl	16.00mm	23.00mm	66.00mm
DR0480020USR01 IN2005	0.188	4.80mm	6mm Cyl	20.00mm	27.00mm	66.00mm
DR0490020USR01 IN2005	0.192	4.90mm	6mm Cyl	20.00mm	27.00mm	66.00mm
DR0500022TOR01 IN2005	0.196	5.00mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0510022TOR01 IN2005	0.200	5.10mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0520022TOR01 IN2005	0.204	5.20mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0530022TOR01 IN2005	0.208	5.30mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0540022TOR01 IN2005	0.212	5.40mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0550022TOR01 IN2005	0.216	5.50mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0560022TOR01 IN2005	0.220	5.60mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0570022TOR01 IN2005	0.224	5.70mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0580022TOR01 IN2005	0.228	5.80mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0590022TOR01 IN2005	0.232	5.90mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0600022TOR01 IN2005	0.244	6.00mm	6mm Cyl	22.00mm	30.00mm	68.00mm
DR0610025T1R01 IN2005	0.240	6.10mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0620025T1R01 IN2005	0.244	6.20mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0630025T1R01 IN2005	0.248	6.30mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0640025T1R01 IN2005	0.251	6.40mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0650025T1R01 IN2005	0.255	6.50mm	8mm Cyl	25.00mm	35.00mm	73.00mm

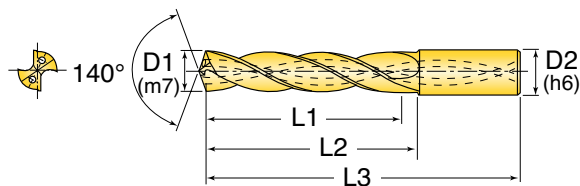
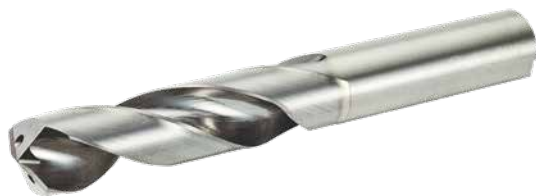
SOLID CARBIDE DRILLS 3:1 GEOMETRY



Drilling



Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR0660025T1R01 IN2005	0.259	6.60mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0670025T1R01 IN2005	0.263	6.70mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0680025T1R01 IN2005	0.267	6.80mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0690025T1R01 IN2005	0.271	6.90mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0700025T1R01 IN2005	0.275	7.00mm	8mm Cyl	25.00mm	35.00mm	73.00mm
DR0710029T2R01 IN2005	0.279	7.10mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0720029T2R01 IN2005	0.283	7.20mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0730029T2R01 IN2005	0.287	7.30mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0740029T2R01 IN2005	0.291	7.40mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0750029T2R01 IN2005	0.295	7.50mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0760029T2R01 IN2005	0.299	7.60mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0770029T2R01 IN2005	0.303	7.70mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0780029T2R01 IN2005	0.307	7.80mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0790029T2R01 IN2005	0.311	7.90mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0800029T2R01 IN2005	0.314	8.00mm	8mm Cyl	29.00mm	41.00mm	79.00mm
DR0810036T2R01 IN2005	0.318	8.10mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0820036T2R01 IN2005	0.322	8.20mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0830036T2R01 IN2005	0.326	8.30mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0840036T2R01 IN2005	0.330	8.40mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0850036T2R01 IN2005	0.334	8.50mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0860036T2R01 IN2005	0.338	8.60mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0870036T2R01 IN2005	0.342	8.70mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0880036T2R01 IN2005	0.346	8.80mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0890036T2R01 IN2005	0.350	8.90mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0900036T2R01 IN2005	0.354	9.00mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0910036T2R01 IN2005	0.358	9.10mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0920036T2R01 IN2005	0.362	9.20mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0930036T2R01 IN2005	0.366	9.30mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0940036T2R01 IN2005	0.370	9.40mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0950036T2R01 IN2005	0.374	9.50mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0960036T2R01 IN2005	0.377	9.60mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0970036T2R01 IN2005	0.381	9.70mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0980036T2R01 IN2005	0.385	9.80mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR0990036T2R01 IN2005	0.389	9.90mm	10mm Cyl	36.00mm	48.00mm	90.00mm
DR1000036T2R01 IN2005	0.393	10.00mm	10mm Cyl	36.00mm	48.00mm	90.00mm

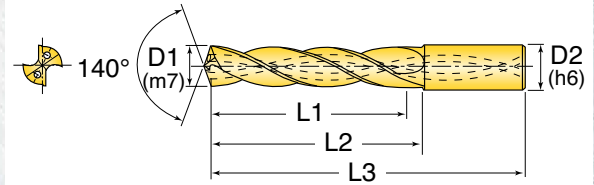
SOLID CARBIDE DRILLS 3:1 GEOMETRY



Drilling



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Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR1010040SOR01 IN2005	0.397	10.10mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1020040SOR01 IN2005	0.401	10.20mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1030040SOR01 IN2005	0.405	10.30mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1040040SOR01 IN2005	0.409	10.40mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1050040SOR01 IN2005	0.413	10.50mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1060040SOR01 IN2005	0.417	10.60mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1070040SOR01 IN2005	0.421	10.70mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1080040SOR01 IN2005	0.425	10.80mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1090040SOR01 IN2005	0.429	10.90mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1100040SOR01 IN2005	0.433	11.00mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1110040SOR01 IN2005	0.437	11.10mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1120040SOR01 IN2005	0.440	11.20mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1130040SOR01 IN2005	0.444	11.30mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1140040SOR01 IN2005	0.448	11.40mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1150040SOR01 IN2005	0.452	11.50mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1160040SOR01 IN2005	0.456	11.60mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1170040SOR01 IN2005	0.460	11.70mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1180040SOR01 IN2005	0.464	11.80mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1190040SOR01 IN2005	0.468	11.90mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1200040SOR01 IN2005	0.472	12.00mm	12mm Cyl	40.00mm	55.00mm	102.00mm
DR1210045SOR01 IN2005	0.476	12.10mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1220045SOR01 IN2005	0.480	12.20mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1230045SOR01 IN2005	0.484	12.30mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1240045SOR01 IN2005	0.488	12.40mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1250045SOR01 IN2005	0.492	12.50mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1260045SOR01 IN2005	0.496	12.60mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1270045SOR01 IN2005	0.500	12.70mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1280045SOR01 IN2005	0.503	12.80mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1290045SOR01 IN2005	0.507	12.90mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1300045SOR01 IN2005	0.511	13.00mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1310045UPR01 IN2005	0.515	13.10mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1320045UPR01 IN2005	0.519	13.20mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1330045UPR01 IN2005	0.523	13.30mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1340045UPR01 IN2005	0.527	13.40mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1350045UPR01 IN2005	0.531	13.50mm	14mm Cyl	45.00mm	62.00mm	109.00mm

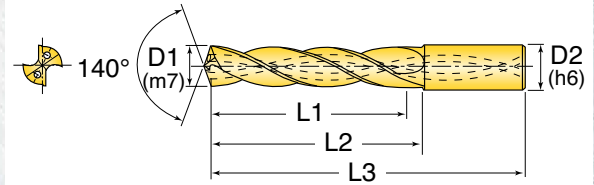
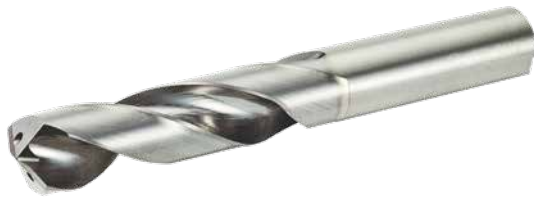
SOLID CARBIDE DRILLS 3:1 GEOMETRY



Drilling



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Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR1360045UPR01 IN2005	0.535	13.60mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1370045UPR01 IN2005	0.539	13.70mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1380045UPR01 IN2005	0.543	13.80mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1390045UPR01 IN2005	0.547	13.90mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1400045UPR01 IN2005	0.551	14.00mm	14mm Cyl	45.00mm	62.00mm	109.00mm
DR1410048T4R01 IN2005	0.555	14.10mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1420048T4R01 IN2005	0.559	14.20mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1430048T4R01 IN2005	0.562	14.30mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1440048T4R01 IN2005	0.566	14.40mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1450048T4R01 IN2005	0.570	14.50mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1460048T4R01 IN2005	0.574	14.60mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1470048T4R01 IN2005	0.578	14.70mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1480048T4R01 IN2005	0.582	14.80mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1490048T4R01 IN2005	0.586	14.90mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1500048T4R01 IN2005	0.590	15.00mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1510048T4R01 IN2005	0.594	15.10mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1520048T4R01 IN2005	0.598	15.20mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1530048T4R01 IN2005	0.602	15.30mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1540048T4R01 IN2005	0.606	15.40mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1550048T4R01 IN2005	0.610	15.50mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1560048T4R01 IN2005	0.614	15.60mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1570048T4R01 IN2005	0.618	15.70mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1590048T4R01 IN2005	0.625	15.90mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1600048T4R01 IN2005	0.629	16.00mm	16mm Cyl	48.00mm	68.00mm	118.00mm
DR1610053UQR01 IN2005	0.633	16.10mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1620053UQR01 IN2005	0.637	16.20mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1630053UQR01 IN2005	0.641	16.30mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1640053UQR01 IN2005	0.645	16.40mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1650053UQR01 IN2005	0.649	16.50mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1660053UQR01 IN2005	0.653	16.60mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1670053UQR01 IN2005	0.657	16.70mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1680053UQR01 IN2005	0.661	16.80mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1690053UQR01 IN2005	0.665	16.90mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1700053UQR01 IN2005	0.669	17.00mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1710053UQR01 IN2005	0.673	17.10mm	18mm Cyl	53.00mm	75.00mm	125.00mm

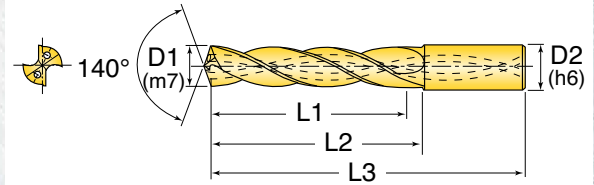
SOLID CARBIDE DRILLS 3:1 GEOMETRY



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Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR1720053UQR01 IN2005	0.677	17.20mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1730053UQR01 IN2005	0.681	17.30mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1740053UQR01 IN2005	0.685	17.40mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1750053UQR01 IN2005	0.688	17.50mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1760053UQR01 IN2005	0.692	17.60mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1770053UQR01 IN2005	0.696	17.70mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1780053UQR01 IN2005	0.700	17.80mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1790053UQR01 IN2005	0.704	17.90mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1800053UQR01 IN2005	0.708	18.00mm	18mm Cyl	53.00mm	75.00mm	125.00mm
DR1810058SOR01 IN2005	0.712	18.10mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1820058SOR01 IN2005	0.716	18.20mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1830058SOR01 IN2005	0.720	18.30mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1840058SOR01 IN2005	0.724	18.40mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1850058SOR01 IN2005	0.728	18.50mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1860058SOR01 IN2005	0.732	18.60mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1870058SOR01 IN2005	0.736	18.70mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1880058SOR01 IN2005	0.740	18.80mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1890058SOR01 IN2005	0.744	18.90mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1900058SOR01 IN2005	0.748	19.00mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1910058SOR01 IN2005	0.751	19.10mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1920058SOR01 IN2005	0.755	19.20mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1930058SOR01 IN2005	0.759	19.30mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1940058SOR01 IN2005	0.763	19.40mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1950058SOR01 IN2005	0.767	19.50mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1960058SOR01 IN2005	0.771	19.60mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1970058SOR01 IN2005	0.775	19.70mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1980058SOR01 IN2005	0.779	19.80mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR1990058SOR0 IN2005	0.783	19.90mm	20mm Cyl	58.00mm	82.00mm	134.00mm
DR2000058SOR01 IN2005	0.787	20.00mm	20mm Cyl	58.00mm	82.00mm	134.00mm

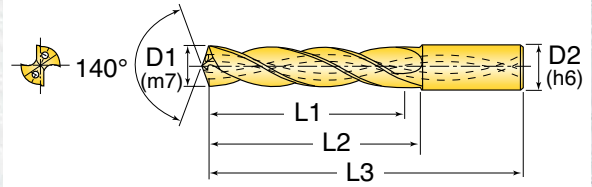
SOLID CARBIDE DRILLS 5:1 GEOMETRY



Drilling



Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR0300024T7R01 IN2005	0.118	3.00mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0310023T7R01 IN2005	0.122	3.10mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0320023T7R01 IN2005	0.126	3.20mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0330023T7R01 IN2005	0.130	3.30mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0340023T7R01 IN2005	0.134	3.40mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0350023T7R01 IN2005	0.138	3.50mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0360023T7R01 IN2005	0.142	3.60mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0370022T7R01 IN2005	0.146	3.70mm	6mm Cyl	21.00mm	27.00mm	66.00mm
DR0380030T7R01 IN2005	0.150	3.80mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0390030T7R01 IN2005	0.154	3.90mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0400030T7R01 IN2005	0.158	4.00mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0410030T7R01 IN2005	0.161	4.10mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0420030T7R01 IN2005	0.165	4.20mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0430030T7R01 IN2005	0.169	4.30mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0440029T7R01 IN2005	0.173	4.40mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0450029T7R01 IN2005	0.177	4.50mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0460029T7R01 IN2005	0.181	4.60mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0470029T7R01 IN2005	0.185	4.70mm	6mm Cyl	28.00mm	35.00mm	74.00mm
DR0480037T7R01 IN2005	0.189	4.80mm	6mm Cyl	36.00mm	43.00mm	82.00mm
DR0490037T7R01 IN2005	0.193	4.90mm	6mm Cyl	36.00mm	43.00mm	82.00mm
DR0500037T7R01 IN2005	0.197	5.00mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0510036T7R01 IN2005	0.201	5.10mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0520036T7R01 IN2005	0.205	5.20mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0530036T7R01 IN2005	0.209	5.30mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0540036T7R01 IN2005	0.213	5.40mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0550036T7R01 IN2005	0.217	5.50mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0560036T7R01 IN2005	0.221	5.60mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0570035T7R01 IN2005	0.224	5.70mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0580035T7R01 IN2005	0.228	5.80mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0590035T7R01 IN2005	0.232	5.90mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0600035T7R01 IN2005	0.236	6.00mm	6mm Cyl	38.00mm	46.00mm	84.00mm
DR0610044T0R01 IN2005	0.240	6.10mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0620044T0R01 IN2005	0.244	6.20mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0630044T0R01 IN2005	0.248	6.30mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0640043T0R01 IN2005	0.252	6.40mm	8mm Cyl	46.00mm	56.00mm	94.00mm

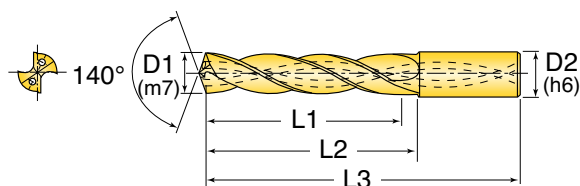
SOLID CARBIDE DRILLS 5:1 GEOMETRY



Drilling

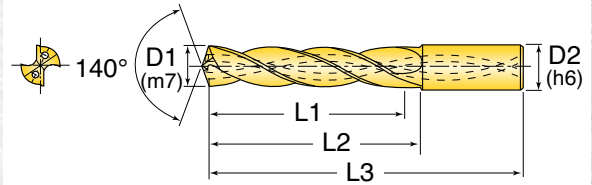


Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR0650043TOR01 IN2005	0.256	6.50mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0660043TOR01 IN2005	0.260	6.60mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0670043TOR01 IN2005	0.264	6.70mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0680043TOR01 IN2005	0.268	6.80mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0690043TOR01 IN2005	0.272	6.90mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0700043TOR01 IN2005	0.276	7.00mm	8mm Cyl	46.00mm	56.00mm	94.00mm
DR0710042TOR01 IN2005	0.280	7.10mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0720042TOR01 IN2005	0.284	7.20mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0730042TOR01 IN2005	0.287	7.30mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0740042TOR01 IN2005	0.291	7.40mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0750042TOR01 IN2005	0.295	7.50mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0760042TOR01 IN2005	0.299	7.60mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0770041TOR01 IN2005	0.303	7.70mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0780041TOR01 IN2005	0.307	7.80mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0790041TOR01 IN2005	0.311	7.90mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0800041TOR01 IN2005	0.315	8.00mm	8mm Cyl	44.00mm	56.00mm	94.00mm
DR0810049T1R01 IN2005	0.319	8.10mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0820049T1R01 IN2005	0.323	8.20mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0830049T1R01 IN2005	0.327	8.30mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0840048T1R01 IN2005	0.331	8.40mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0850048T1R01 IN2005	0.335	8.50mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0860048T1R01 IN2005	0.339	8.60mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0870048T1R01 IN2005	0.343	8.70mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0880048T1R01 IN2005	0.347	8.80mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0890048T1R01 IN2005	0.350	8.90mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0900048T1R01 IN2005	0.354	9.00mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0910047T1R01 IN2005	0.358	9.10mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0920047T1R01 IN2005	0.362	9.20mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0930047T1R01 IN2005	0.366	9.30mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0940047T1R01 IN2005	0.370	9.40mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0950047T1R01 IN2005	0.374	9.50mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0960047T1R01 IN2005	0.378	9.60mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0970046T1R01 IN2005	0.382	9.70mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0980046T1R01 IN2005	0.386	9.80mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR0990046T1R01 IN2005	0.390	9.90mm	10mm Cyl	53.00mm	65.00mm	107.00mm

SOLID CARBIDE DRILLS 5:1 GEOMETRY



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR1000046T1R01 IN2005	0.394	10.00mm	10mm Cyl	53.00mm	65.00mm	107.00mm
DR1010056T2R01 IN2005	0.398	10.10mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1020056T2R01 IN2005	0.402	10.20mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1030056T2R01 IN2005	0.406	10.30mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1040055T2R01 IN2005	0.409	10.40mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1050055T2R01 IN2005	0.413	10.50mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1060055T2R01 IN2005	0.417	10.60mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1070055T2R01 IN2005	0.421	10.70mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1080055T2R01 IN2005	0.425	10.80mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1090055T2R01 IN2005	0.429	10.90mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1100055T2R01 IN2005	0.433	11.00mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1110054T2R01 IN2005	0.437	11.10mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1120054T2R01 IN2005	0.441	11.20mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1130054T2R01 IN2005	0.445	11.30mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1140054T2R01 IN2005	0.449	11.40mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1150054T2R01 IN2005	0.453	11.50mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1160054T2R01 IN2005	0.457	11.60mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1170053T2R01 IN2005	0.461	11.70mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1180053T2R01 IN2005	0.465	11.80mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1190053T2R01 IN2005	0.469	11.90mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1200053T2R01 IN2005	0.472	12.00mm	12mm Cyl	63.00mm	78.00mm	125.00mm
DR1210074U8R01 IN2005	0.476	12.1mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1220074U8R01 IN2005	0.480	12.2mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1230074U8R01 IN2005	0.484	12.3mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1240074U8R01 IN2005	0.488	12.4mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1250074U8R01 IN2005	0.492	12.5mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1260074U8R01 IN2005	0.496	12.6mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1270074U8R01 IN2005	0.500	12.7mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1280074U8R01 IN2005	0.504	12.8mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1290074U8R01 IN2005	0.508	12.9mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1300074U8R01 IN2005	0.512	13.0mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1310074U8R01 IN2005	0.516	13.1mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1320074U8R01 IN2005	0.520	13.2mm	16mm Cyl	74.00mm	91.00mm	138.00mm
DR1330074U8R01 IN2005	0.524	13.3mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1350074U8R01 IN2005	0.531	13.5mm	14mm Cyl	74.00mm	91.00mm	138.00mm

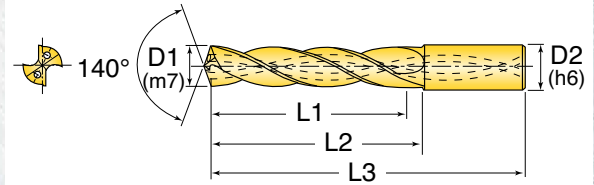
SOLID CARBIDE DRILLS 5:1 GEOMETRY



Drilling



Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR1360074U8R01 IN2005	0.535	13.6mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1370074U8R01 IN2005	0.539	13.7mm	14mm Cyl	74.00mm	91.00mm	138.00mm
DR1380074U8R01 IN2005	0.543	13.8mm	16mm Cyl	74.00mm	91.00mm	138.00mm
DR1400074T3R01 IN2005	0.551	14.0mm	16mm Cyl	74.00mm	91.00mm	138.00mm
DR1410084T3R01 IN2005	0.555	14.1mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1420084T3R01 IN2005	0.559	14.2mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1430084T3R01 IN2005	0.563	14.3mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1440084T3R01 IN2005	0.567	14.4mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1450084T3R01 IN2005	0.571	14.5mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1460084T3R01 IN2005	0.575	14.6mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1470084T3R01 IN2005	0.579	14.7mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1480084T3R01 IN2005	0.583	14.8mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1490084T3R01 IN2005	0.587	14.9mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1500084T3R01 IN2005	0.591	15.0mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1510084T3R01 IN2005	0.594	15.1mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1520084T3R01 IN2005	0.598	15.2mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1530084T3R01 IN2005	0.602	15.3mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1540084T3R01 IN2005	0.606	15.4mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1550084T3R01 IN2005	0.610	15.5mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1560084T3R01 IN2005	0.614	15.6mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1570084T3R01 IN2005	0.618	15.7mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1580084T3R01 IN2005	0.622	15.8mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1590084T3R01 IN2005	0.626	15.9mm	16mm Cyl	84.00mm	104.00mm	154.00mm
DR1600084T3R01 IN2005	0.630	16.0mm	18mm Cyl	84.00mm	104.00mm	154.00mm
DR1610095U2R01 IN2005	0.634	16.1mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1620095T3R01 IN2005	0.638	16.2mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1630095U2R01 IN2005	0.642	16.3mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1640095T3R01 IN2005	0.646	16.4mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1650095T3R01 IN2005	0.650	16.5mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1660095T3R01 IN2005	0.654	16.6mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1670095T3R01 IN2005	0.657	16.7mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1680095T3R01 IN2005	0.661	16.8mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1690095T3R01 IN2005	0.665	16.9mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1700095U2R01 IN2005	0.669	17.0mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1710095T3R01 IN2005	0.673	17.1mm	18mm Cyl	95.00mm	117.00mm	167.00mm

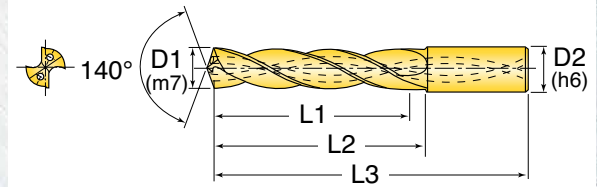
SOLID CARBIDE DRILLS 5:1 GEOMETRY



Drilling



Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DR1720095U2R01 IN2005	0.677	17.2mm	16mm Cyl	95.00mm	117.00mm	167.00mm
DR1730095T3R01 IN2005	0.681	17.3mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1740095U2R01 IN2005	0.685	17.4mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1750095U2R01 IN2005	0.689	17.5mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1760095U2R01 IN2005	0.693	17.6mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1770095U2R01 IN2005	0.697	17.7mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1780095U2R01 IN2005	0.701	17.8mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1790095U2R01 IN2005	0.705	17.9mm	18mm Cyl	95.00mm	117.00mm	167.00mm
DR1800095U2R01 IN2005	0.709	18.0mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1810106T4R01 IN2005	0.713	18.1mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1820106T4R01 IN2005	0.717	18.2mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1830106T4R01 IN2005	0.720	18.3mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1840106T4R01 IN2005	0.724	18.4mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1850106T4R01 IN2005	0.728	18.5mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1860106T4R01 IN2005	0.732	18.6mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1870106T4R01 IN2005	0.736	18.7mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1880106T4R01 IN2005	0.740	18.8mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1890106T4R01 IN2005	0.744	18.9mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1900106T4R01 IN2005	0.748	19.0mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1910106T4R01 IN2005	0.752	19.1mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1920106T4R01 IN2005	0.756	19.2mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1930106T4R01 IN2005	0.760	19.3mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1940106T4R01 IN2005	0.764	19.4mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1950106T4R01 IN2005	0.768	19.5mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1960106T4R01 IN2005	0.772	19.6mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1970106T4R01 IN2005	0.776	19.7mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1980106T4R01 IN2005	0.780	19.8mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR1990106T4R01 IN2005	0.783	19.9mm	20mm Cyl	106.00mm	130.00mm	182.00mm
DR2000106T4R01 IN2005	0.787	20.0mm	20mm Cyl	106.00mm	130.00mm	182.00mm

SERIES DRXL

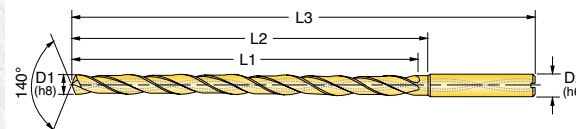
SOLID CARBIDE DRILLS 10:1 GEOMETRY



Drilling



Coolant



Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DRXL0400050U0R01 IN2005	0.157	4.00mm	4mm Cyl	50.00mm	55.00mm	105.00mm
DRXL0500060U1R01 IN2005	0.197	5.00mm	5mm Cyl	60.00mm	65.00mm	115.00mm
DRXL0600075T7R01 IN2005	0.236	6.00mm	6mm Cyl	75.00mm	80.00mm	130.00mm
DRXL0700085UAR01 IN2005	0.276	7.00mm	7mm Cyl	85.00mm	90.00mm	140.00mm
DRXL0800097T0R01 IN2005	0.315	8.00mm	6mm Cyl	97.00mm	105.00mm	155.00mm
DRXL0900107U9R01 IN2005	0.354	9.00mm	9mm Cyl	107.00mm	115.00mm	170.00mm
DRXL1000122T1R01 IN2005	0.394	10.00mm	10mm Cyl	122.00mm	130.00mm	190.00mm

SERIES DRXL

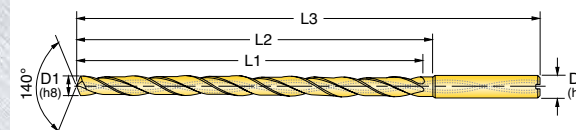
SOLID CARBIDE DRILLS 15:1 GEOMETRY



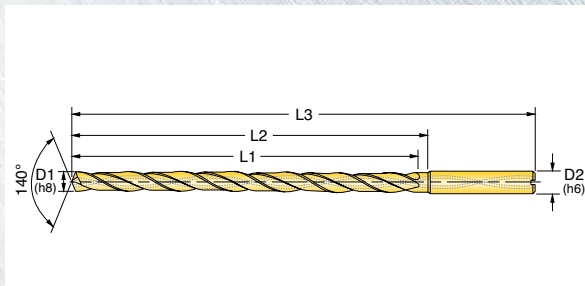
Drilling



Coolant

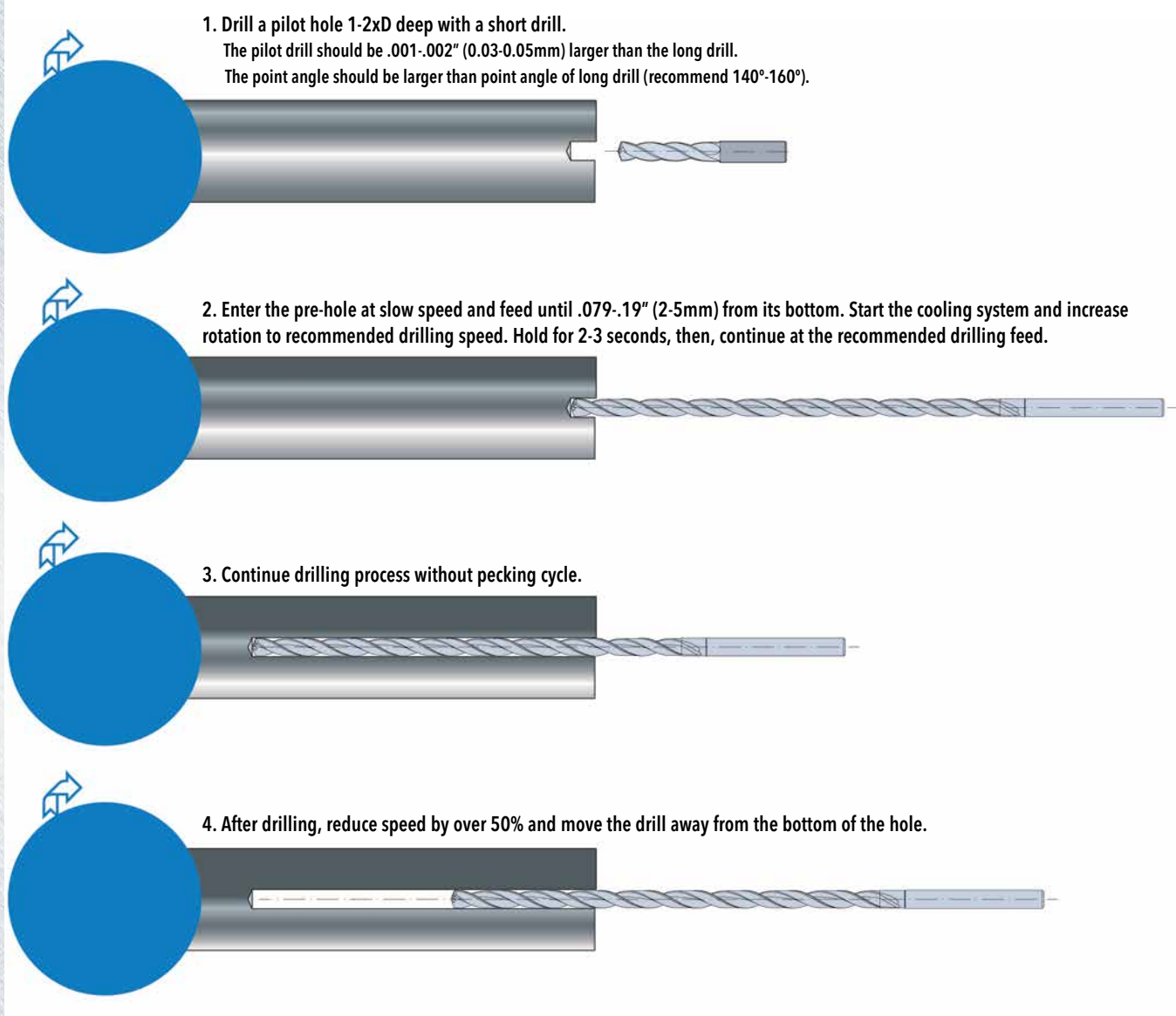


Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	D2 Shank Size/Style	L1 Max DOC	L2 Flute Length	L3 Overall Length
DRXL0400070U0R01 IN2005	0.157	4.00mm	4mm Cyl	70.00mm	75.00mm	125.00mm
DRXL0500085U1R01 IN2005	0.196	5.00mm	5mm Cyl	85.00mm	90.00mm	140.00mm
DRXL0600105T7R01 IN2005	0.236	6.00mm	6mm Cyl	105.00mm	110.00mm	160.00mm
DRXL0700120UAR01 IN2005	0.275	7.00mm	7mm Cyl	120.00mm	125.00mm	175.00mm
DRXL0800137T0R01 IN2005	0.314	8.00mm	8mm Cyl	137.00mm	145.00mm	195.00mm
DRXL0900152U9R01 IN2005	0.354	9.00mm	9mm Cyl	152.00mm	160.00mm	220.00mm
DRXL1000172T1R01 IN2005	0.394	10.00mm	10mm Cyl	172.00mm	180.00mm	240.00mm

SOLID CARBIDE DRILLS 20:1 GEOMETRY


Part Number	D1 Drill Diameter (inch)	D1 Drill Diameter (mm)	L1 Max DOC	L2 Flute Length	L3 Overall Length
DRXL0400070U0R01	4mm	4mm Cyl	85.00mm	90.00mm	140.00mm
DRXL0500100U1R01	5mm	5mm Cyl	110.00mm	115.00mm	165.00mm
DRXL0600120T7R01	6mm	6mm Cyl	135.00mm	140.00mm	190.00mm
DRXL0635127R6R01	0.250	.250" Cyl	5.00 inch	5.90 inch	7.87 inch
DRXL0700140UAR01	7mm	7mm Cyl	155.00mm	160.00mm	210.00mm
DRXL0793158R7R01	0.312	.312" Cyl	6.24 inch	7.08 inch	9.05 inch
DRXL0800160T0R01	8mm	8mm Cyl	172.00mm	180.00mm	230.00mm
DRXL0900180U9R01	9mm	9mm Cyl	197.00mm	205.00mm	265.00mm
DRXL0952190R8R01	0.375	.375" Cyl	7.50 inch	8.46 inch	10.82 inch
DRXL1000200T1R01	10mm	10mm Cyl	217.00mm	225.00mm	285.00mm

RECOMMENDED DRILLING PROCESS



DR SOLID CARBIDE DRILLS OPERATING GUIDELINES

Designation		Dia 0.118 - 0.393	Dia 0.397 - 0.590	Dia 0.594 - 0.787
Mild Steel Alloy Steel Carbon Steel (HRC 25)	V (feet/min)	262 - 328	295 - 328	328 - 393
	V (inch/rev)	0.006 - 0.010	0.007 - 0.013	0.009 - 0.015
Alloy Steel Forged Steel (HRC 25 - 35)	V (feet/min)	213 - 328	295 - 328	295 - 360
	V (inch/rev)	0.006 - 0.009	0.006 - 0.011	0.006 - 0.011
Hardened Steel (HRC 35-45)	V (feet/min)	114 - 213	131 - 230	147 - 246
	V (inch/rev)	0.006 - 0.009	0.006 - 0.011	0.007 - 0.012
Stainless Steel	V (feet/min)	98 - 197	114 - 230	131 - 230
	V (inch/rev)	0.003 - 0.009	0.003 - 0.009	0.003 - 0.011
Ductile Cast Iron	V (feet/min)	213 - 295	246 - 328	279 - 360
	V (inch/rev)	0.006 - 0.011	0.007 - 0.013	0.009 - 0.015
Cast Iron	V (feet/min)	295 - 328	328 - 360	328 - 393
	V (inch/rev)	0.006 - 0.011	0.007 - 0.013	0.009 - 0.015