



ENGINEERABLE UK



Satisfying
services & solutions

ABOUT ENGINEERABLE UK

At Engineerable UK, we are dedicated to empowering the UK manufacturing industry with the highest quality carbide tooling solutions. We understand the demands of modern manufacturing, where precision, durability, and efficiency are paramount. That's why we specialize in providing a comprehensive range of cutting-edge carbide tools engineered to optimize your production processes and deliver exceptional results.



Uncompromising Quality : We source and supply only the most reliable and rigorously tested carbide tools, ensuring long-lasting performance and superior accuracy for even the most challenging applications.



Expertise You Can Trust : Our team boasts a wealth of experience in the tooling industry. We work closely with our clients, offering expert advice and technical support to identify the perfect tooling solutions for their specific needs.



Tailored Solutions : We recognize that every manufacturing operation is unique. We offer a diverse selection of carbide inserts, end mills, drills, and other tooling, with a focus on providing customized solutions that enhance productivity and minimize downtime.



British Engineering, Global Performance : We are proud to support British manufacturing. We are committed to providing globally competitive tooling that enables UK businesses to excel on the world stage.

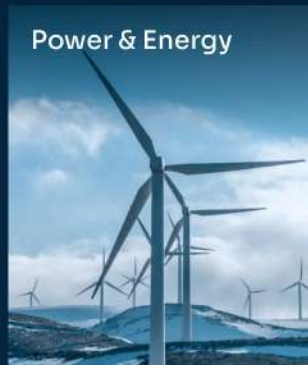
Area of Applications

Precision Tooling for Demanding Sectors

Automotive



Power & Energy



Aerospace



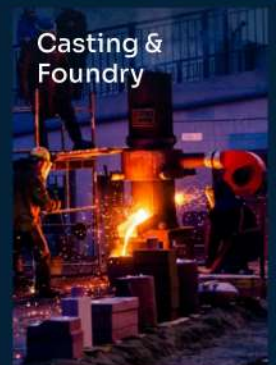
Die & Mould



Medical



Casting & Foundry

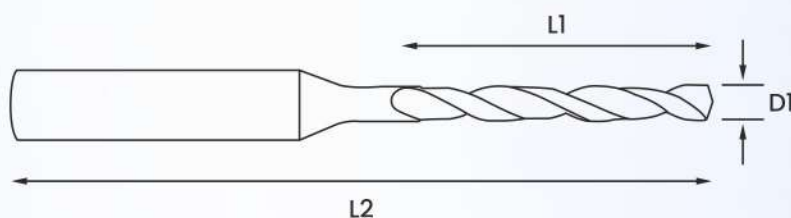


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HIGH PERFORMANCE DRILL

MICRO DRILLS X3D NTC

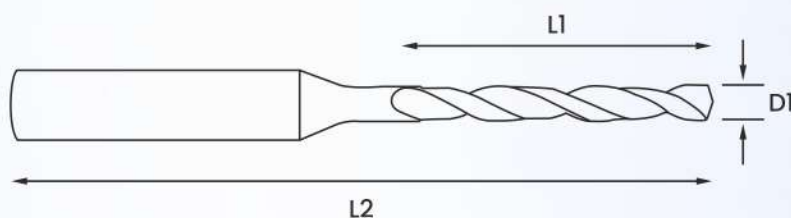


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ENG-SCD-0140-3-NTC	1.4	7	54
ENG-SCD-0145-3-NTC	1.45	7	54
ENG-SCD-0150-3-NTC	1.5	9	54
ENG-SCD-0155-3-NTC	1.55	9	54
ENG-SCD-0160-3-NTC	1.6	9	54
ENG-SCD-0165-3-NTC	1.65	9	54
ENG-SCD-0170-3-NTC	1.7	9	54
ENG-SCD-0175-3-NTC	1.75	9	54
ENG-SCD-0180-3-NTC	1.8	9	54
ENG-SCD-0185-3-NTC	1.85	9	54
ENG-SCD-0190-3-NTC	1.9	9	54
ENG-SCD-0195-3-NTC	1.95	9	54
ENG-SCD-0200-3-NTC	2	9	54
ENG-SCD-0205-3-NTC	2.05	9	54
ENG-SCD-0210-3-NTC	2.1	9	54
ENG-SCD-0215-3-NTC	2.15	9	54
ENG-SCD-0220-3-NTC	2.2	9	54
ENG-SCD-0225-3-NTC	2.25	12	54

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0200-3-NTC	2	9	54
ENG-SCD-0205-3-NTC	2.05	9	54
ENG-SCD-0210-3-NTC	2.1	9	54
ENG-SCD-0215-3-NTC	2.15	9	54
ENG-SCD-0220-3-NTC	2.2	9	54
ENG-SCD-0225-3-NTC	2.25	12	54
ENG-SCD-0230-3-NTC	2.3	12	54
ENG-SCD-0235-3-NTC	2.35	12	54
ENG-SCD-0240-3-NTC	2.4	12	54
ENG-SCD-0245-3-NTC	2.45	12	54
ENG-SCD-0250-3-NTC	2.5	12	54
ENG-SCD-0255-3-NTC	2.55	12	54
ENG-SCD-0260-3-NTC	2.6	12	54
ENG-SCD-0265-3-NTC	2.65	12	54
ENG-SCD-0270-3-NTC	2.7	12	54
ENG-SCD-0275-3-NTC	2.75	12	54
ENG-SCD-0280-3-NTC	2.8	12	54
ENG-SCD-0285-3-NTC	2.85	12	54
ENG-SCD-0290-3-NTC	2.9	12	54
ENG-SCD-0295-3-NTC	2.95	12	54

HIGH PERFORMANCE DRILL

MICRO DRILLS X5D NTC

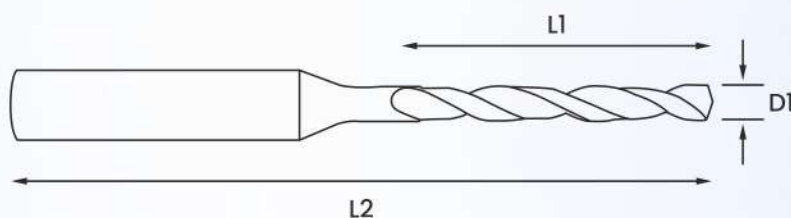


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ENG-SCD-0105-5-NTC	1.05	9	54
ENG-SCD-0110-5-NTC	1.1	9	54
ENG-SCD-0115-5-NTC	1.15	9	54
ENG-SCD-0120-5-NTC	1.2	9	54
ENG-SCD-0125-5-NTC	1.25	9	54
ENG-SCD-0130-5-NTC	1.3	9	54
ENG-SCD-0135-5-NTC	1.35	9	54
ENG-SCD-0140-5-NTC	1.4	9	54
ENG-SCD-0145-5-NTC	1.45	9	54
ENG-SCD-0150-5-NTC	1.5	12	54
ENG-SCD-0155-5-NTC	1.55	12	54
ENG-SCD-0160-5-NTC	1.6	12	54
ENG-SCD-0165-5-NTC	1.65	12	54
ENG-SCD-0170-5-NTC	1.7	12	54
ENG-SCD-0175-5-NTC	1.75	12	54
ENG-SCD-0180-5-NTC	1.8	12	54
ENG-SCD-0185-5-NTC	1.85	12	54
ENG-SCD-0190-5-NTC	1.9	12	54
ENG-SCD-0195-5-NTC	1.95	14	54

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0200-5-NTC	2	14	54
ENG-SCD-0205-5-NTC	2.05	14	54
ENG-SCD-0210-5-NTC	2.1	14	54
ENG-SCD-0215-5-NTC	2.15	14	54
ENG-SCD-0220-5-NTC	2.2	14	54
ENG-SCD-0225-5-NTC	2.25	18	54
ENG-SCD-0230-5-NTC	2.3	18	54
ENG-SCD-0235-5-NTC	2.35	18	54
ENG-SCD-0240-5-NTC	2.4	18	54
ENG-SCD-0245-5-NTC	2.45	18	54
ENG-SCD-0250-5-NTC	2.5	18	54
ENG-SCD-0255-5-NTC	2.55	18	54
ENG-SCD-0260-5-NTC	2.6	18	54
ENG-SCD-0265-5-NTC	2.65	18	54
ENG-SCD-0270-5-NTC	2.7	18	54
ENG-SCD-0275-5-NTC	2.75	18	54
ENG-SCD-0280-5-NTC	2.8	18	54
ENG-SCD-0285-5-NTC	2.85	18	54
ENG-SCD-0290-5-NTC	2.9	18	54
ENG-SCD-0295-5-NTC	2.95	18	54

HIGH PERFORMANCE DRILL

MICRO DRILLS X8D NTC

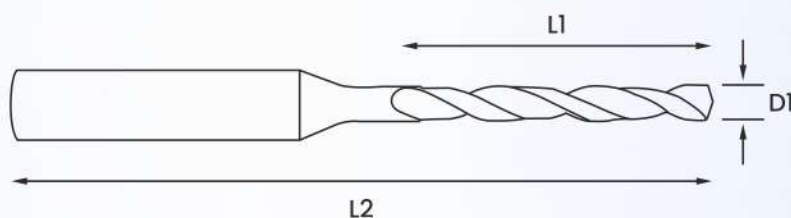


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ENG-SCD-0105-8-NTC	1.05	12	54
ENG-SCD-0110-8-NTC	1.1	12	54
ENG-SCD-0115-8-NTC	1.15	12	54
ENG-SCD-0120-8-NTC	1.2	12	54
ENG-SCD-0125-8-NTC	1.25	12	54
ENG-SCD-0130-8-NTC	1.3	12	54
ENG-SCD-0135-8-NTC	1.35	12	54
ENG-SCD-0140-8-NTC	1.4	12	54
ENG-SCD-0145-8-NTC	1.45	12	54
ENG-SCD-0150-8-NTC	1.5	12	54
ENG-SCD-0155-8-NTC	1.55	18	54
ENG-SCD-0160-8-NTC	1.6	18	54
ENG-SCD-0165-8-NTC	1.65	18	54
ENG-SCD-0170-8-NTC	1.7	18	54
ENG-SCD-0175-8-NTC	1.75	18	54
ENG-SCD-0180-8-NTC	1.8	18	54
ENG-SCD-0185-8-NTC	1.85	18	54
ENG-SCD-0190-8-NTC	1.9	18	54
ENG-SCD-0195-8-NTC	1.95	18	54

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0200-8-NTC	2	18	54
ENG-SCD-0205-8-NTC	2.05	18	54
ENG-SCD-0210-8-NTC	2.1	18	54
ENG-SCD-0215-8-NTC	2.15	18	54
ENG-SCD-0220-8-NTC	2.2	18	54
ENG-SCD-0225-8-NTC	2.25	21	58
ENG-SCD-0230-8-NTC	2.3	21	58
ENG-SCD-0235-8-NTC	2.35	21	58
ENG-SCD-0240-8-NTC	2.4	21	58
ENG-SCD-0245-8-NTC	2.45	21	58
ENG-SCD-0250-8-NTC	2.5	21	58
ENG-SCD-0255-8-NTC	2.55	21	58
ENG-SCD-0260-8-NTC	2.6	21	58
ENG-SCD-0265-8-NTC	2.65	21	58
ENG-SCD-0270-8-NTC	2.7	21	58
ENG-SCD-0275-8-NTC	2.75	21	58
ENG-SCD-0280-8-NTC	2.8	21	58
ENG-SCD-0285-8-NTC	2.85	21	58
ENG-SCD-0290-8-NTC	2.9	21	58
ENG-SCD-0295-8-NTC	2.95	21	58

HIGH PERFORMANCE DRILL

MICRO DRILLS X12D NTC

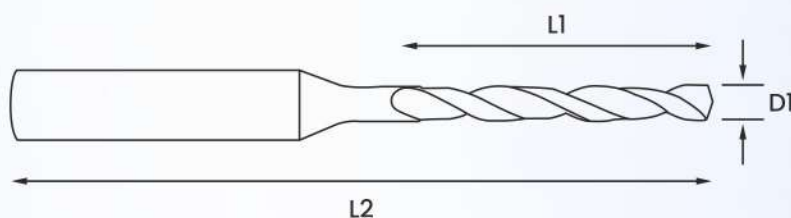


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ENG-SCD-0105-12-NTC	1.05	18	54
ENG-SCD-0110-12-NTC	1.1	18	54
ENG-SCD-0115-12-NTC	1.15	18	54
ENG-SCD-0120-12-NTC	1.2	18	54
ENG-SCD-0125-12-NTC	1.25	18	54
ENG-SCD-0130-12-NTC	1.3	18	54
ENG-SCD-0135-12-NTC	1.35	18	54
ENG-SCD-0140-12-NTC	1.4	18	54
ENG-SCD-0145-12-NTC	1.45	18	54
ENG-SCD-0150-12-NTC	1.5	18	54
ENG-SCD-0155-12-NTC	1.55	20	62
ENG-SCD-0160-12-NTC	1.6	20	62
ENG-SCD-0165-12-NTC	1.65	20	62
ENG-SCD-0170-12-NTC	1.7	20	62
ENG-SCD-0175-12-NTC	1.75	20	62
ENG-SCD-0180-12-NTC	1.8	20	62
ENG-SCD-0185-12-NTC	1.85	20	62
ENG-SCD-0190-12-NTC	1.9	24	64
ENG-SCD-0195-12-NTC	1.95	24	64

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0200-12-NTC	2	24	64
ENG-SCD-0205-12-NTC	2.05	24	64
ENG-SCD-0210-12-NTC	2.1	24	64
ENG-SCD-0215-12-NTC	2.15	24	64
ENG-SCD-0220-12-NTC	2.2	24	64
ENG-SCD-0225-12-NTC	2.25	24	64
ENG-SCD-0230-12-NTC	2.3	24	64
ENG-SCD-0235-12-NTC	2.35	24	64
ENG-SCD-0240-12-NTC	2.4	24	64
ENG-SCD-0245-12-NTC	2.45	30	75
ENG-SCD-0250-12-NTC	2.5	30	75
ENG-SCD-0255-12-NTC	2.55	30	75
ENG-SCD-0260-12-NTC	2.6	30	75
ENG-SCD-0265-12-NTC	2.65	30	75
ENG-SCD-0270-12-NTC	2.7	30	75
ENG-SCD-0275-12-NTC	2.75	30	75
ENG-SCD-0280-12-NTC	2.8	30	75
ENG-SCD-0285-12-NTC	2.85	30	75
ENG-SCD-0290-12-NTC	2.9	30	75
ENG-SCD-0295-12-NTC	2.95	30	75

HIGH PERFORMANCE DRILL

MICRO DRILLS X16D NTC

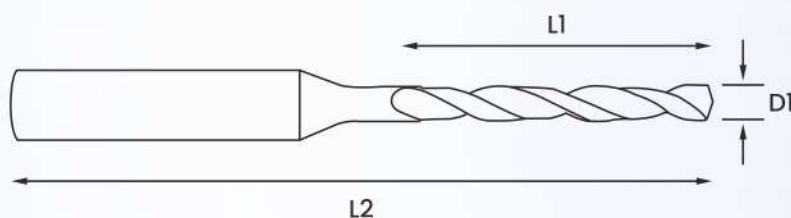


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ENG-SCD-0105-16-NTC	1.05	20	62
ENG-SCD-0110-16-NTC	1.1	20	62
ENG-SCD-0115-16-NTC	1.15	20	62
ENG-SCD-0120-16-NTC	1.2	20	62
ENG-SCD-0125-16-NTC	1.25	20	64
ENG-SCD-0130-16-NTC	1.3	22	64
ENG-SCD-0135-16-NTC	1.35	22	64
ENG-SCD-0140-16-NTC	1.4	22	64
ENG-SCD-0145-16-NTC	1.45	23	64
ENG-SCD-0150-16-NTC	1.5	23	64
ENG-SCD-0155-16-NTC	1.55	23	64
ENG-SCD-0160-16-NTC	1.6	28	75
ENG-SCD-0165-16-NTC	1.65	28	75
ENG-SCD-0170-16-NTC	1.7	28	75
ENG-SCD-0175-16-NTC	1.75	28	75
ENG-SCD-0180-16-NTC	1.8	28	75
ENG-SCD-0185-16-NTC	1.85	28	75
ENG-SCD-0190-16-NTC	1.9	30	75
ENG-SCD-0195-16-NTC	1.95	30	75

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0200-16-NTC	2	30	75
ENG-SCD-0205-16-NTC	2.05	30	75
ENG-SCD-0210-16-NTC	2.1	30	75
ENG-SCD-0215-16-NTC	2.15	30	75
ENG-SCD-0220-16-NTC	2.2	30	75
ENG-SCD-0225-16-NTC	2.25	30	75
ENG-SCD-0230-16-NTC	2.3	30	75
ENG-SCD-0235-16-NTC	2.35	30	75
ENG-SCD-0240-16-NTC	2.4	30	75
ENG-SCD-0245-16-NTC	2.45	35	75
ENG-SCD-0250-16-NTC	2.5	35	75
ENG-SCD-0255-16-NTC	2.55	35	85
ENG-SCD-0260-16-NTC	2.6	35	85
ENG-SCD-0265-16-NTC	2.65	35	85
ENG-SCD-0270-16-NTC	2.7	35	85
ENG-SCD-0275-16-NTC	2.75	35	85
ENG-SCD-0280-16-NTC	2.8	35	85
ENG-SCD-0285-16-NTC	2.85	35	85
ENG-SCD-0290-16-NTC	2.9	35	85
ENG-SCD-0295-16-NTC	2.95	35	85

HIGH PERFORMANCE DRILL

MICRO DRILLS X20D NTC

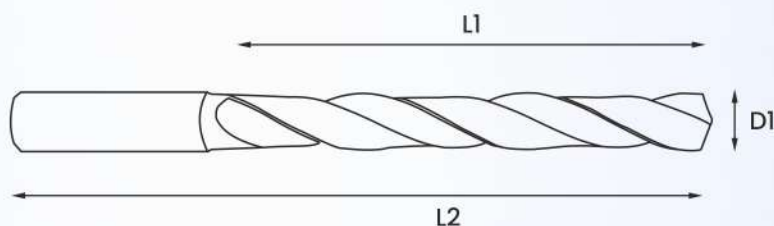


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ENG-SCD-0105-20-NTC	1.05	22	64
ENG-SCD-0110-20-NTC	1.1	22	64
ENG-SCD-0115-20-NTC	1.15	22	64
ENG-SCD-0120-20-NTC	1.2	22	64
ENG-SCD-0125-20-NTC	1.25	22	64
ENG-SCD-0130-20-NTC	1.3	24	64
ENG-SCD-0135-20-NTC	1.35	24	64
ENG-SCD-0140-20-NTC	1.4	24	64
ENG-SCD-0145-20-NTC	1.45	28	75
ENG-SCD-0150-20-NTC	1.5	28	75
ENG-SCD-0155-20-NTC	1.55	28	75
ENG-SCD-0160-20-NTC	1.6	30	75
ENG-SCD-0165-20-NTC	1.65	30	75
ENG-SCD-0170-20-NTC	1.7	30	75
ENG-SCD-0175-20-NTC	1.75	30	75
ENG-SCD-0180-20-NTC	1.8	30	75
ENG-SCD-0185-20-NTC	1.85	35	85
ENG-SCD-0190-20-NTC	1.9	35	85
ENG-SCD-0195-20-NTC	1.95	35	85

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0200-20-NTC	2	35	85
ENG-SCD-0205-20-NTC	2.05	35	85
ENG-SCD-0210-20-NTC	2.1	35	85
ENG-SCD-0215-20-NTC	2.15	35	85
ENG-SCD-0220-20-NTC	2.2	35	85
ENG-SCD-0225-20-NTC	2.25	35	85
ENG-SCD-0230-20-NTC	2.3	35	85
ENG-SCD-0235-20-NTC	2.35	35	85
ENG-SCD-0240-20-NTC	2.4	35	85
ENG-SCD-0245-20-NTC	2.45	45	100
ENG-SCD-0250-20-NTC	2.5	45	100
ENG-SCD-0255-20-NTC	2.55	45	100
ENG-SCD-0260-20-NTC	2.6	45	100
ENG-SCD-0265-20-NTC	2.65	45	100
ENG-SCD-0270-20-NTC	2.7	45	100
ENG-SCD-0275-20-NTC	2.75	45	100
ENG-SCD-0280-20-NTC	2.8	45	100
ENG-SCD-0285-20-NTC	2.85	45	100
ENG-SCD-0290-20-NTC	2.9	45	100
ENG-SCD-0295-20-NTC	2.95	45	100

HIGH PERFORMANCE DRILL

STANDARD DRILLS X3D NTC



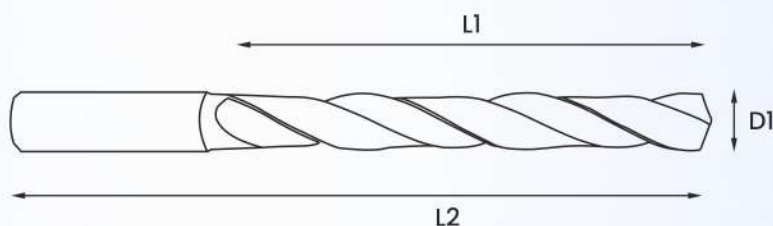
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
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ENG-SCD-0305-3-NTC	3.05	20	62
ENG-SCD-0310-3-NTC	3.1	20	62
ENG-SCD-0315-3-NTC	3.15	20	62
ENG-SCD-0320-3-NTC	3.2	20	62
ENG-SCD-0325-3-NTC	3.25	20	62
ENG-SCD-0330-3-NTC	3.3	20	62
ENG-SCD-0335-3-NTC	3.35	20	62
ENG-SCD-0340-3-NTC	3.4	20	62
ENG-SCD-0345-3-NTC	3.45	20	62
ENG-SCD-0350-3-NTC	3.5	20	62
ENG-SCD-0355-3-NTC	3.55	20	62
ENG-SCD-0360-3-NTC	3.6	20	62
ENG-SCD-0365-3-NTC	3.65	20	62
ENG-SCD-0370-3-NTC	3.7	20	62
ENG-SCD-0375-3-NTC	3.75	20	62
ENG-SCD-0380-3-NTC	3.8	20	62
ENG-SCD-0385-3-NTC	3.85	20	62
ENG-SCD-0390-3-NTC	3.9	20	62
ENG-SCD-0395-3-NTC	3.95	20	62
ENG-SCD-0400-3-NTC	4	24	66
ENG-SCD-0405-3-NTC	4.05	24	66
ENG-SCD-0410-3-NTC	4.1	24	66
ENG-SCD-0415-3-NTC	4.15	24	66
ENG-SCD-0420-3-NTC	4.2	24	66
ENG-SCD-0425-3-NTC	4.25	24	66
ENG-SCD-0430-3-NTC	4.3	24	66
ENG-SCD-0435-3-NTC	4.35	24	66
ENG-SCD-0440-3-NTC	4.4	24	66
ENG-SCD-0445-3-NTC	4.45	24	66
ENG-SCD-0450-3-NTC	4.5	24	66
ENG-SCD-0455-3-NTC	4.55	24	66
ENG-SCD-0460-3-NTC	4.6	24	66
ENG-SCD-0465-3-NTC	4.65	24	66
ENG-SCD-0470-3-NTC	4.7	24	66
ENG-SCD-0475-3-NTC	4.75	24	66
ENG-SCD-0480-3-NTC	4.8	24	66
ENG-SCD-0485-3-NTC	4.85	24	66
ENG-SCD-0490-3-NTC	4.9	24	66
ENG-SCD-0495-3-NTC	4.95	24	66
ENG-SCD-0500-3-NTC	5	28	66
ENG-SCD-0505-3-NTC	5.05	28	66
ENG-SCD-0510-3-NTC	5.1	28	66
ENG-SCD-0515-3-NTC	5.15	28	66
ENG-SCD-0520-3-NTC	5.2	28	66
ENG-SCD-0525-3-NTC	5.25	28	66

Code	Size (D1)	F/L (L1)	O/A/L (L2)
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ENG-SCD-0535-3-NTC	5.35	28	66
ENG-SCD-0540-3-NTC	5.4	28	66
ENG-SCD-0545-3-NTC	5.45	28	66
ENG-SCD-0550-3-NTC	5.5	28	66
ENG-SCD-0555-3-NTC	5.55	28	66
ENG-SCD-0560-3-NTC	5.6	28	66
ENG-SCD-0565-3-NTC	5.65	28	66
ENG-SCD-0570-3-NTC	5.7	28	66
ENG-SCD-0575-3-NTC	5.75	28	66
ENG-SCD-0580-3-NTC	5.8	28	66
ENG-SCD-0585-3-NTC	5.85	28	66
ENG-SCD-0590-3-NTC	5.9	28	66
ENG-SCD-0595-3-NTC	5.95	28	66
ENG-SCD-0600-3-NTC	6	28	66
ENG-SCD-0605-3-NTC	6.05	28	66
ENG-SCD-0610-3-NTC	6.1	34	79
ENG-SCD-0615-3-NTC	6.15	34	79
ENG-SCD-0620-3-NTC	6.2	34	79
ENG-SCD-0625-3-NTC	6.25	34	79
ENG-SCD-0630-3-NTC	6.3	34	79
ENG-SCD-0635-3-NTC	6.35	34	79
ENG-SCD-0640-3-NTC	6.4	34	79
ENG-SCD-0645-3-NTC	6.45	34	79
ENG-SCD-0650-3-NTC	6.5	34	79
ENG-SCD-0655-3-NTC	6.55	34	79
ENG-SCD-0660-3-NTC	6.6	34	79
ENG-SCD-0665-3-NTC	6.65	34	79
ENG-SCD-0670-3-NTC	6.7	34	79
ENG-SCD-0675-3-NTC	6.75	34	79
ENG-SCD-0680-3-NTC	6.8	34	79
ENG-SCD-0685-3-NTC	6.85	34	79
ENG-SCD-0690-3-NTC	6.9	34	79
ENG-SCD-0695-3-NTC	6.95	34	79
ENG-SCD-0700-3-NTC	7	34	79
ENG-SCD-0705-3-NTC	7.05	41	79
ENG-SCD-0710-3-NTC	7.1	41	79
ENG-SCD-0715-3-NTC	7.15	41	79
ENG-SCD-0720-3-NTC	7.2	41	79
ENG-SCD-0725-3-NTC	7.25	41	79
ENG-SCD-0730-3-NTC	7.3	41	79
ENG-SCD-0735-3-NTC	7.35	41	79
ENG-SCD-0740-3-NTC	7.4	41	79
ENG-SCD-0745-3-NTC	7.45	41	79
ENG-SCD-0750-3-NTC	7.5	41	79
ENG-SCD-0755-3-NTC	7.55	41	79

HIGH PERFORMANCE DRILL

STANDARD DRILLS X3D NTC



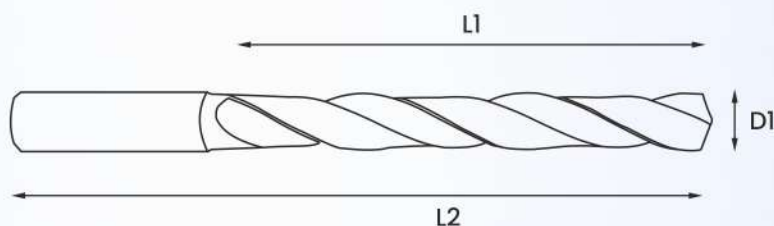
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-3-NTC	7.6	41	79
ENG-SCD-0765-3-NTC	7.65	41	79
ENG-SCD-0770-3-NTC	7.7	41	79
ENG-SCD-0775-3-NTC	7.75	41	79
ENG-SCD-0780-3-NTC	7.8	41	79
ENG-SCD-0785-3-NTC	7.85	41	79
ENG-SCD-0790-3-NTC	7.9	41	79
ENG-SCD-0795-3-NTC	7.95	41	79
ENG-SCD-0800-3-NTC	8	41	79
ENG-SCD-0805-3-NTC	8.05	47	89
ENG-SCD-0810-3-NTC	8.1	47	89
ENG-SCD-0815-3-NTC	8.15	47	89
ENG-SCD-0820-3-NTC	8.2	47	89
ENG-SCD-0825-3-NTC	8.25	47	89
ENG-SCD-0830-3-NTC	8.3	47	89
ENG-SCD-0835-3-NTC	8.35	47	89
ENG-SCD-0840-3-NTC	8.4	47	89
ENG-SCD-0845-3-NTC	8.45	47	89
ENG-SCD-0850-3-NTC	8.5	47	89
ENG-SCD-0855-3-NTC	8.55	47	89
ENG-SCD-0860-3-NTC	8.6	47	89
ENG-SCD-0865-3-NTC	8.65	47	89
ENG-SCD-0870-3-NTC	8.7	47	89
ENG-SCD-0875-3-NTC	8.75	47	89
ENG-SCD-0880-3-NTC	8.8	47	89
ENG-SCD-0885-3-NTC	8.85	47	89
ENG-SCD-0890-3-NTC	8.9	47	89
ENG-SCD-0895-3-NTC	8.95	47	89
ENG-SCD-0900-3-NTC	9	47	89
ENG-SCD-0905-3-NTC	9.05	47	89
ENG-SCD-0910-3-NTC	9.1	47	89
ENG-SCD-0915-3-NTC	9.15	47	89
ENG-SCD-0920-3-NTC	9.2	47	89
ENG-SCD-0925-3-NTC	9.25	47	89
ENG-SCD-0930-3-NTC	9.3	47	89
ENG-SCD-0935-3-NTC	9.35	47	89
ENG-SCD-0940-3-NTC	9.4	47	89
ENG-SCD-0945-3-NTC	9.45	47	89
ENG-SCD-0950-3-NTC	9.5	47	89
ENG-SCD-0955-3-NTC	9.55	47	89
ENG-SCD-0960-3-NTC	9.6	47	89
ENG-SCD-0965-3-NTC	9.65	47	89
ENG-SCD-0970-3-NTC	9.7	47	89
ENG-SCD-0975-3-NTC	9.75	47	89
ENG-SCD-0980-3-NTC	9.8	47	89
ENG-SCD-0985-3-NTC	9.85	47	89

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-3-NTC	9.9	47	89
ENG-SCD-0995-3-NTC	9.95	47	89
ENG-SCD-1000-3-NTC	10	47	89
ENG-SCD-1005-3-NTC	10.05	47	89
ENG-SCD-1010-3-NTC	10.1	55	102
ENG-SCD-1015-3-NTC	10.15	55	102
ENG-SCD-1020-3-NTC	10.2	55	102
ENG-SCD-1025-3-NTC	10.25	55	102
ENG-SCD-1030-3-NTC	10.3	55	102
ENG-SCD-1035-3-NTC	10.35	55	102
ENG-SCD-1040-3-NTC	10.4	55	102
ENG-SCD-1045-3-NTC	10.45	55	102
ENG-SCD-1050-3-NTC	10.5	55	102
ENG-SCD-1055-3-NTC	10.55	55	102
ENG-SCD-1060-3-NTC	10.6	55	102
ENG-SCD-1065-3-NTC	10.65	55	102
ENG-SCD-1070-3-NTC	10.7	55	102
ENG-SCD-1075-3-NTC	10.75	55	102
ENG-SCD-1080-3-NTC	10.8	55	102
ENG-SCD-1085-3-NTC	10.85	55	102
ENG-SCD-1090-3-NTC	10.9	55	102
ENG-SCD-1095-3-NTC	10.95	55	102
ENG-SCD-1100-3-NTC	11	55	102
ENG-SCD-1105-3-NTC	11.05	55	102
ENG-SCD-1110-3-NTC	11.1	55	102
ENG-SCD-1115-3-NTC	11.15	55	102
ENG-SCD-1120-3-NTC	11.2	55	102
ENG-SCD-1125-3-NTC	11.25	55	102
ENG-SCD-1130-3-NTC	11.3	55	102
ENG-SCD-1135-3-NTC	11.35	55	102
ENG-SCD-1140-3-NTC	11.4	55	102
ENG-SCD-1145-3-NTC	11.45	55	102
ENG-SCD-1150-3-NTC	11.5	55	102
ENG-SCD-1155-3-NTC	11.55	55	102
ENG-SCD-1160-3-NTC	11.6	55	102
ENG-SCD-1165-3-NTC	11.65	55	102
ENG-SCD-1170-3-NTC	11.7	55	102
ENG-SCD-1175-3-NTC	11.75	55	102
ENG-SCD-1180-3-NTC	11.8	55	102
ENG-SCD-1185-3-NTC	11.85	55	102
ENG-SCD-1190-3-NTC	11.9	55	102
ENG-SCD-1195-3-NTC	11.95	55	102
ENG-SCD-1200-3-NTC	12	55	102

HIGH PERFORMANCE DRILL

STANDARD DRILLS X5D NTC

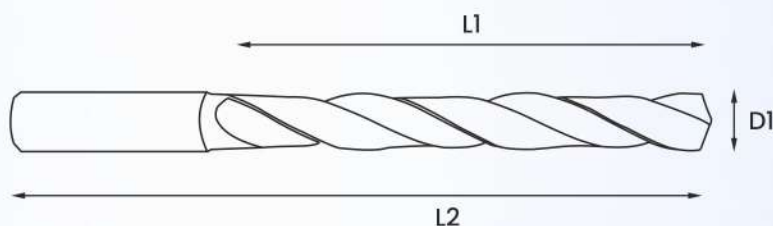


Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-5-NTC	3	28	66
ENG-SCD-0305-5-NTC	3.05	28	66
ENG-SCD-0310-5-NTC	3.1	28	66
ENG-SCD-0315-5-NTC	3.15	28	66
ENG-SCD-0320-5-NTC	3.2	28	66
ENG-SCD-0325-5-NTC	3.25	28	66
ENG-SCD-0330-5-NTC	3.3	28	66
ENG-SCD-0335-5-NTC	3.35	28	66
ENG-SCD-0340-5-NTC	3.4	28	66
ENG-SCD-0345-5-NTC	3.45	28	66
ENG-SCD-0350-5-NTC	3.5	28	66
ENG-SCD-0355-5-NTC	3.55	28	66
ENG-SCD-0360-5-NTC	3.6	28	66
ENG-SCD-0365-5-NTC	3.65	28	66
ENG-SCD-0370-5-NTC	3.7	28	66
ENG-SCD-0375-5-NTC	3.75	28	66
ENG-SCD-0380-5-NTC	3.8	28	66
ENG-SCD-0385-5-NTC	3.85	28	66
ENG-SCD-0390-5-NTC	3.9	28	66
ENG-SCD-0395-5-NTC	3.95	28	66
ENG-SCD-0400-5-NTC	4	36	74
ENG-SCD-0405-5-NTC	4.05	36	74
ENG-SCD-0410-5-NTC	4.1	36	74
ENG-SCD-0415-5-NTC	4.15	36	74
ENG-SCD-0420-5-NTC	4.2	36	74
ENG-SCD-0425-5-NTC	4.25	36	74
ENG-SCD-0430-5-NTC	4.3	36	74
ENG-SCD-0435-5-NTC	4.35	36	74
ENG-SCD-0440-5-NTC	4.4	36	74
ENG-SCD-0445-5-NTC	4.45	36	74
ENG-SCD-0450-5-NTC	4.5	36	74
ENG-SCD-0455-5-NTC	4.55	36	74
ENG-SCD-0460-5-NTC	4.6	36	74
ENG-SCD-0465-5-NTC	4.65	36	74
ENG-SCD-0470-5-NTC	4.7	36	74
ENG-SCD-0475-5-NTC	4.75	36	74
ENG-SCD-0480-5-NTC	4.8	36	74
ENG-SCD-0485-5-NTC	4.85	36	74
ENG-SCD-0490-5-NTC	4.9	36	74
ENG-SCD-0495-5-NTC	4.95	36	74
ENG-SCD-0500-5-NTC	5	44	82
ENG-SCD-0505-5-NTC	5.05	44	82
ENG-SCD-0510-5-NTC	5.1	44	82
ENG-SCD-0515-5-NTC	5.15	44	82
ENG-SCD-0520-5-NTC	5.2	44	82
ENG-SCD-0525-5-NTC	5.25	44	82

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-5-NTC	5.3	44	82
ENG-SCD-0535-5-NTC	5.35	44	82
ENG-SCD-0540-5-NTC	5.4	44	82
ENG-SCD-0545-5-NTC	5.45	44	82
ENG-SCD-0550-5-NTC	5.5	44	82
ENG-SCD-0555-5-NTC	5.55	44	82
ENG-SCD-0560-5-NTC	5.6	44	82
ENG-SCD-0565-5-NTC	5.65	44	82
ENG-SCD-0570-5-NTC	5.7	44	82
ENG-SCD-0575-5-NTC	5.75	44	82
ENG-SCD-0580-5-NTC	5.8	44	82
ENG-SCD-0585-5-NTC	5.85	44	82
ENG-SCD-0590-5-NTC	5.9	44	82
ENG-SCD-0595-5-NTC	5.95	44	82
ENG-SCD-0600-5-NTC	6	44	82
ENG-SCD-0605-5-NTC	6.05	44	82
ENG-SCD-0610-5-NTC	6.1	53	91
ENG-SCD-0615-5-NTC	6.15	53	91
ENG-SCD-0620-5-NTC	6.2	53	91
ENG-SCD-0625-5-NTC	6.25	53	91
ENG-SCD-0630-5-NTC	6.3	53	91
ENG-SCD-0635-5-NTC	6.35	53	91
ENG-SCD-0640-5-NTC	6.4	53	91
ENG-SCD-0645-5-NTC	6.45	53	91
ENG-SCD-0650-5-NTC	6.5	53	91
ENG-SCD-0655-5-NTC	6.55	53	91
ENG-SCD-0660-5-NTC	6.6	53	91
ENG-SCD-0665-5-NTC	6.65	53	91
ENG-SCD-0670-5-NTC	6.7	53	91
ENG-SCD-0675-5-NTC	6.75	53	91
ENG-SCD-0680-5-NTC	6.8	53	91
ENG-SCD-0685-5-NTC	6.85	53	91
ENG-SCD-0690-5-NTC	6.9	53	91
ENG-SCD-0695-5-NTC	6.95	53	91
ENG-SCD-0700-5-NTC	7	53	91
ENG-SCD-0705-5-NTC	7.05	53	91
ENG-SCD-0710-5-NTC	7.1	53	91
ENG-SCD-0715-5-NTC	7.15	53	91
ENG-SCD-0720-5-NTC	7.2	53	91
ENG-SCD-0725-5-NTC	7.25	53	91
ENG-SCD-0730-5-NTC	7.3	53	91
ENG-SCD-0735-5-NTC	7.35	53	91
ENG-SCD-0740-5-NTC	7.4	53	91
ENG-SCD-0745-5-NTC	7.45	53	91
ENG-SCD-0750-5-NTC	7.5	53	91
ENG-SCD-0755-5-NTC	7.55	53	91

HIGH PERFORMANCE DRILL

STANDARD DRILLS X5D NTC



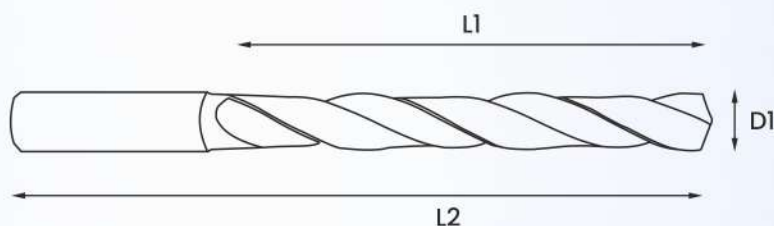
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-5-NTC	7.6	53	91
ENG-SCD-0765-5-NTC	7.65	53	91
ENG-SCD-0770-5-NTC	7.7	53	91
ENG-SCD-0775-5-NTC	7.75	53	91
ENG-SCD-0780-5-NTC	7.8	53	91
ENG-SCD-0785-5-NTC	7.85	53	91
ENG-SCD-0790-5-NTC	7.9	53	91
ENG-SCD-0795-5-NTC	7.95	53	91
ENG-SCD-0800-5-NTC	8	53	91
ENG-SCD-0805-5-NTC	8.05	53	91
ENG-SCD-0810-5-NTC	8.1	61	103
ENG-SCD-0815-5-NTC	8.15	61	103
ENG-SCD-0820-5-NTC	8.2	61	103
ENG-SCD-0825-5-NTC	8.25	61	103
ENG-SCD-0830-5-NTC	8.3	61	103
ENG-SCD-0835-5-NTC	8.35	61	103
ENG-SCD-0840-5-NTC	8.4	61	103
ENG-SCD-0845-5-NTC	8.45	61	103
ENG-SCD-0850-5-NTC	8.5	61	103
ENG-SCD-0855-5-NTC	8.55	61	103
ENG-SCD-0860-5-NTC	8.6	61	103
ENG-SCD-0865-5-NTC	8.65	61	103
ENG-SCD-0870-5-NTC	8.7	61	103
ENG-SCD-0875-5-NTC	8.75	61	103
ENG-SCD-0880-5-NTC	8.8	61	103
ENG-SCD-0885-5-NTC	8.85	61	103
ENG-SCD-0890-5-NTC	8.9	61	103
ENG-SCD-0895-5-NTC	8.95	61	103
ENG-SCD-0900-5-NTC	9	61	103
ENG-SCD-0905-5-NTC	9.05	61	103
ENG-SCD-0910-5-NTC	9.1	61	103
ENG-SCD-0915-5-NTC	9.15	61	103
ENG-SCD-0920-5-NTC	9.2	61	103
ENG-SCD-0925-5-NTC	9.25	61	103
ENG-SCD-0930-5-NTC	9.3	61	103
ENG-SCD-0935-5-NTC	9.35	61	103
ENG-SCD-0940-5-NTC	9.4	61	103
ENG-SCD-0945-5-NTC	9.45	61	103
ENG-SCD-0950-5-NTC	9.5	61	103
ENG-SCD-0955-5-NTC	9.55	61	103
ENG-SCD-0960-5-NTC	9.6	61	103
ENG-SCD-0965-5-NTC	9.65	61	103
ENG-SCD-0970-5-NTC	9.7	61	103
ENG-SCD-0975-5-NTC	9.75	61	103
ENG-SCD-0980-5-NTC	9.8	61	103
ENG-SCD-0985-5-NTC	9.85	61	103

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-5-NTC	9.9	61	103
ENG-SCD-0995-5-NTC	9.95	61	103
ENG-SCD-1000-5-NTC	10	61	103
ENG-SCD-1005-5-NTC	10.05	61	103
ENG-SCD-1010-5-NTC	10.1	71	118
ENG-SCD-1015-5-NTC	10.15	71	118
ENG-SCD-1020-5-NTC	10.2	71	118
ENG-SCD-1025-5-NTC	10.25	71	118
ENG-SCD-1030-5-NTC	10.3	71	118
ENG-SCD-1035-5-NTC	10.35	71	118
ENG-SCD-1040-5-NTC	10.4	71	118
ENG-SCD-1045-5-NTC	10.45	71	118
ENG-SCD-1050-5-NTC	10.5	71	118
ENG-SCD-1055-5-NTC	10.55	71	118
ENG-SCD-1060-5-NTC	10.6	71	118
ENG-SCD-1065-5-NTC	10.65	71	118
ENG-SCD-1070-5-NTC	10.7	71	118
ENG-SCD-1075-5-NTC	10.75	71	118
ENG-SCD-1080-5-NTC	10.8	71	118
ENG-SCD-1085-5-NTC	10.85	71	118
ENG-SCD-1090-5-NTC	10.9	71	118
ENG-SCD-1095-5-NTC	10.95	71	118
ENG-SCD-1100-5-NTC	11	71	118
ENG-SCD-1105-5-NTC	11.05	71	118
ENG-SCD-1110-5-NTC	11.1	71	118
ENG-SCD-1115-5-NTC	11.15	71	118
ENG-SCD-1120-5-NTC	11.2	71	118
ENG-SCD-1125-5-NTC	11.25	71	118
ENG-SCD-1130-5-NTC	11.3	71	118
ENG-SCD-1135-5-NTC	11.35	71	118
ENG-SCD-1140-5-NTC	11.4	71	118
ENG-SCD-1145-5-NTC	11.45	71	118
ENG-SCD-1150-5-NTC	11.5	71	118
ENG-SCD-1155-5-NTC	11.55	71	118
ENG-SCD-1160-5-NTC	11.6	71	118
ENG-SCD-1165-5-NTC	11.65	71	118
ENG-SCD-1170-5-NTC	11.7	71	118
ENG-SCD-1175-5-NTC	11.75	71	118
ENG-SCD-1180-5-NTC	11.8	71	118
ENG-SCD-1185-5-NTC	11.85	71	118
ENG-SCD-1190-5-NTC	11.9	71	118
ENG-SCD-1195-5-NTC	11.95	71	118
ENG-SCD-1200-5-NTC	12	71	118

HIGH PERFORMANCE DRILL

STANDARD DRILLS X8D NTC



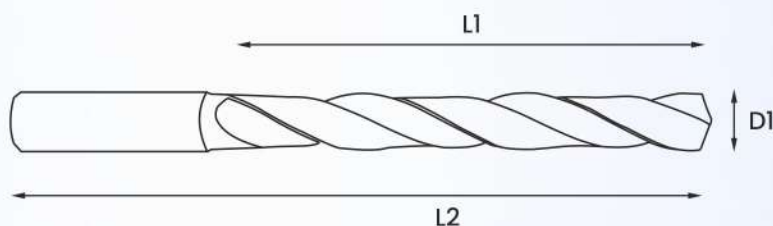
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-8-NTC	3	40	78
ENG-SCD-0305-8-NTC	3.05	40	78
ENG-SCD-0310-8-NTC	3.1	40	78
ENG-SCD-0315-8-NTC	3.15	40	78
ENG-SCD-0320-8-NTC	3.2	40	78
ENG-SCD-0325-8-NTC	3.25	40	78
ENG-SCD-0330-8-NTC	3.3	40	78
ENG-SCD-0335-8-NTC	3.35	40	78
ENG-SCD-0340-8-NTC	3.4	40	78
ENG-SCD-0345-8-NTC	3.45	40	78
ENG-SCD-0350-8-NTC	3.5	40	78
ENG-SCD-0355-8-NTC	3.55	40	78
ENG-SCD-0360-8-NTC	3.6	40	78
ENG-SCD-0365-8-NTC	3.65	40	78
ENG-SCD-0370-8-NTC	3.7	40	78
ENG-SCD-0375-8-NTC	3.75	40	78
ENG-SCD-0380-8-NTC	3.8	40	78
ENG-SCD-0385-8-NTC	3.85	40	78
ENG-SCD-0390-8-NTC	3.9	40	78
ENG-SCD-0395-8-NTC	3.95	40	78
ENG-SCD-0400-8-NTC	4	49	87
ENG-SCD-0405-8-NTC	4.05	49	87
ENG-SCD-0410-8-NTC	4.1	49	87
ENG-SCD-0415-8-NTC	4.15	49	87
ENG-SCD-0420-8-NTC	4.2	49	87
ENG-SCD-0425-8-NTC	4.25	49	87
ENG-SCD-0430-8-NTC	4.3	49	87
ENG-SCD-0435-8-NTC	4.35	49	87
ENG-SCD-0440-8-NTC	4.4	49	87
ENG-SCD-0445-8-NTC	4.45	49	87
ENG-SCD-0450-8-NTC	4.5	49	87
ENG-SCD-0455-8-NTC	4.55	49	87
ENG-SCD-0460-8-NTC	4.6	49	87
ENG-SCD-0465-8-NTC	4.65	49	87
ENG-SCD-0470-8-NTC	4.7	49	87
ENG-SCD-0475-8-NTC	4.75	49	87
ENG-SCD-0480-8-NTC	4.8	49	87
ENG-SCD-0485-8-NTC	4.85	49	87
ENG-SCD-0490-8-NTC	4.9	49	87
ENG-SCD-0495-8-NTC	4.95	49	87
ENG-SCD-0500-8-NTC	5	56	94
ENG-SCD-0505-8-NTC	5.05	56	94
ENG-SCD-0510-8-NTC	5.1	56	94
ENG-SCD-0515-8-NTC	5.15	56	94
ENG-SCD-0520-8-NTC	5.2	56	94
ENG-SCD-0525-8-NTC	5.25	56	94

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-8-NTC	5.3	56	94
ENG-SCD-0535-8-NTC	5.35	56	94
ENG-SCD-0540-8-NTC	5.4	56	94
ENG-SCD-0545-8-NTC	5.45	56	94
ENG-SCD-0550-8-NTC	5.5	56	94
ENG-SCD-0555-8-NTC	5.55	56	94
ENG-SCD-0560-8-NTC	5.6	56	94
ENG-SCD-0565-8-NTC	5.65	56	94
ENG-SCD-0570-8-NTC	5.7	56	94
ENG-SCD-0575-8-NTC	5.75	56	94
ENG-SCD-0580-8-NTC	5.8	56	94
ENG-SCD-0585-8-NTC	5.85	56	94
ENG-SCD-0590-8-NTC	5.9	56	94
ENG-SCD-0595-8-NTC	5.95	56	94
ENG-SCD-0600-8-NTC	6	56	94
ENG-SCD-0605-8-NTC	6.05	56	94
ENG-SCD-0610-8-NTC	6.1	67	105
ENG-SCD-0615-8-NTC	6.15	67	105
ENG-SCD-0620-8-NTC	6.2	67	105
ENG-SCD-0625-8-NTC	6.25	67	105
ENG-SCD-0630-8-NTC	6.3	67	105
ENG-SCD-0635-8-NTC	6.35	67	105
ENG-SCD-0640-8-NTC	6.4	67	105
ENG-SCD-0645-8-NTC	6.45	67	105
ENG-SCD-0650-8-NTC	6.5	67	105
ENG-SCD-0655-8-NTC	6.55	67	105
ENG-SCD-0660-8-NTC	6.6	67	105
ENG-SCD-0665-8-NTC	6.65	67	105
ENG-SCD-0670-8-NTC	6.7	67	105
ENG-SCD-0675-8-NTC	6.75	67	105
ENG-SCD-0680-8-NTC	6.8	67	105
ENG-SCD-0685-8-NTC	6.85	67	105
ENG-SCD-0690-8-NTC	6.9	67	105
ENG-SCD-0695-8-NTC	6.95	67	105
ENG-SCD-0700-8-NTC	7	67	105
ENG-SCD-0705-8-NTC	7.05	67	105
ENG-SCD-0710-8-NTC	7.1	74	113
ENG-SCD-0715-8-NTC	7.15	74	113
ENG-SCD-0720-8-NTC	7.2	74	113
ENG-SCD-0725-8-NTC	7.25	74	113
ENG-SCD-0730-8-NTC	7.3	74	113
ENG-SCD-0735-8-NTC	7.35	74	113
ENG-SCD-0740-8-NTC	7.4	74	113
ENG-SCD-0745-8-NTC	7.45	74	113
ENG-SCD-0750-8-NTC	7.5	74	113
ENG-SCD-0755-8-NTC	7.55	74	113

HIGH PERFORMANCE DRILL

STANDARD DRILLS X8D NTC



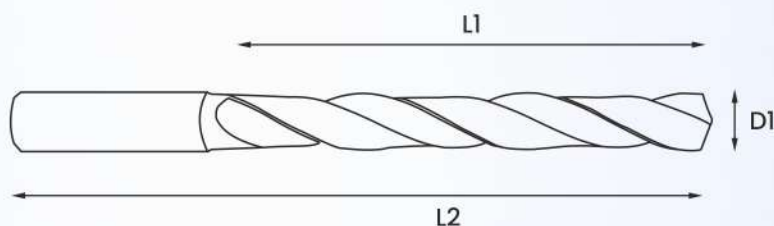
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-8-NTC	7.6	74	113
ENG-SCD-0765-8-NTC	7.65	74	113
ENG-SCD-0770-8-NTC	7.7	74	113
ENG-SCD-0775-8-NTC	7.75	74	113
ENG-SCD-0780-8-NTC	7.8	74	113
ENG-SCD-0785-8-NTC	7.85	74	113
ENG-SCD-0790-8-NTC	7.9	74	113
ENG-SCD-0795-8-NTC	7.95	74	113
ENG-SCD-0800-8-NTC	8	74	113
ENG-SCD-0805-8-NTC	8.05	74	113
ENG-SCD-0810-8-NTC	8.1	92	135
ENG-SCD-0815-8-NTC	8.15	92	135
ENG-SCD-0820-8-NTC	8.2	92	135
ENG-SCD-0825-8-NTC	8.25	92	135
ENG-SCD-0830-8-NTC	8.3	92	135
ENG-SCD-0835-8-NTC	8.35	92	135
ENG-SCD-0840-8-NTC	8.4	92	135
ENG-SCD-0845-8-NTC	8.45	92	135
ENG-SCD-0850-8-NTC	8.5	92	135
ENG-SCD-0855-8-NTC	8.55	92	135
ENG-SCD-0860-8-NTC	8.6	92	135
ENG-SCD-0865-8-NTC	8.65	92	135
ENG-SCD-0870-8-NTC	8.7	92	135
ENG-SCD-0875-8-NTC	8.75	92	135
ENG-SCD-0880-8-NTC	8.8	92	135
ENG-SCD-0885-8-NTC	8.85	92	135
ENG-SCD-0890-8-NTC	8.9	92	135
ENG-SCD-0895-8-NTC	8.95	92	135
ENG-SCD-0900-8-NTC	9	92	135
ENG-SCD-0905-8-NTC	9.05	92	135
ENG-SCD-0910-8-NTC	9.1	92	135
ENG-SCD-0915-8-NTC	9.15	92	135
ENG-SCD-0920-8-NTC	9.2	92	135
ENG-SCD-0925-8-NTC	9.25	92	135
ENG-SCD-0930-8-NTC	9.3	92	135
ENG-SCD-0935-8-NTC	9.35	92	135
ENG-SCD-0940-8-NTC	9.4	92	135
ENG-SCD-0945-8-NTC	9.45	92	135
ENG-SCD-0950-8-NTC	9.5	92	135
ENG-SCD-0955-8-NTC	9.55	92	135
ENG-SCD-0960-8-NTC	9.6	92	135
ENG-SCD-0965-8-NTC	9.65	92	135
ENG-SCD-0970-8-NTC	9.7	92	135
ENG-SCD-0975-8-NTC	9.75	92	135
ENG-SCD-0980-8-NTC	9.8	92	135
ENG-SCD-0985-8-NTC	9.85	92	135

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-8-NTC	9.9	92	135
ENG-SCD-0995-8-NTC	9.95	92	135
ENG-SCD-1000-8-NTC	10	92	135
ENG-SCD-1005-8-NTC	10.05	92	135
ENG-SCD-1010-8-NTC	10.1	110	158
ENG-SCD-1015-8-NTC	10.15	110	158
ENG-SCD-1020-8-NTC	10.2	110	158
ENG-SCD-1025-8-NTC	10.25	110	158
ENG-SCD-1030-8-NTC	10.3	110	158
ENG-SCD-1035-8-NTC	10.35	110	158
ENG-SCD-1040-8-NTC	10.4	110	158
ENG-SCD-1045-8-NTC	10.45	110	158
ENG-SCD-1050-8-NTC	10.5	110	158
ENG-SCD-1055-8-NTC	10.55	110	158
ENG-SCD-1060-8-NTC	10.6	110	158
ENG-SCD-1065-8-NTC	10.65	110	158
ENG-SCD-1070-8-NTC	10.7	110	158
ENG-SCD-1075-8-NTC	10.75	110	158
ENG-SCD-1080-8-NTC	10.8	110	158
ENG-SCD-1085-8-NTC	10.85	110	158
ENG-SCD-1090-8-NTC	10.9	110	158
ENG-SCD-1095-8-NTC	10.95	110	158
ENG-SCD-1100-8-NTC	11	110	158
ENG-SCD-1105-8-NTC	11.05	110	158
ENG-SCD-1110-8-NTC	11.1	110	158
ENG-SCD-1115-8-NTC	11.15	110	158
ENG-SCD-1120-8-NTC	11.2	110	158
ENG-SCD-1125-8-NTC	11.25	110	158
ENG-SCD-1130-8-NTC	11.3	110	158
ENG-SCD-1135-8-NTC	11.35	110	158
ENG-SCD-1140-8-NTC	11.4	110	158
ENG-SCD-1145-8-NTC	11.45	110	158
ENG-SCD-1150-8-NTC	11.5	110	158
ENG-SCD-1155-8-NTC	11.55	110	158
ENG-SCD-1160-8-NTC	11.6	110	158
ENG-SCD-1165-8-NTC	11.65	110	158
ENG-SCD-1170-8-NTC	11.7	110	158
ENG-SCD-1175-8-NTC	11.75	110	158
ENG-SCD-1180-8-NTC	11.8	110	158
ENG-SCD-1185-8-NTC	11.85	110	158
ENG-SCD-1190-8-NTC	11.9	110	158
ENG-SCD-1195-8-NTC	11.95	110	158
ENG-SCD-1200-8-NTC	12	110	158

HIGH PERFORMANCE DRILL

STANDARD DRILLS X12D NTC



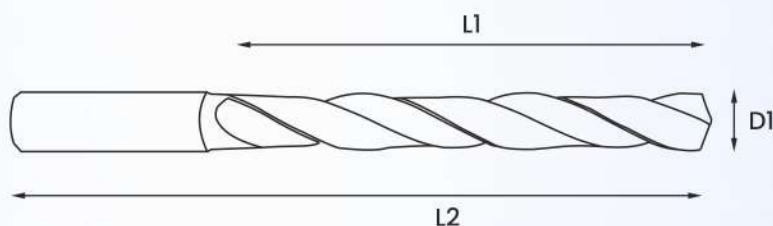
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-12-NTC	3	52	93
ENG-SCD-0305-12-NTC	3.05	52	93
ENG-SCD-0310-12-NTC	3.1	52	93
ENG-SCD-0315-12-NTC	3.15	52	93
ENG-SCD-0320-12-NTC	3.2	52	93
ENG-SCD-0325-12-NTC	3.25	52	93
ENG-SCD-0330-12-NTC	3.3	52	93
ENG-SCD-0335-12-NTC	3.35	52	93
ENG-SCD-0340-12-NTC	3.4	52	93
ENG-SCD-0345-12-NTC	3.45	52	93
ENG-SCD-0350-12-NTC	3.5	52	93
ENG-SCD-0355-12-NTC	3.55	52	93
ENG-SCD-0360-12-NTC	3.6	52	93
ENG-SCD-0365-12-NTC	3.65	52	93
ENG-SCD-0370-12-NTC	3.7	52	93
ENG-SCD-0375-12-NTC	3.75	52	93
ENG-SCD-0380-12-NTC	3.8	52	93
ENG-SCD-0385-12-NTC	3.85	52	93
ENG-SCD-0390-12-NTC	3.9	52	93
ENG-SCD-0395-12-NTC	3.95	66	107
ENG-SCD-0400-12-NTC	4	66	107
ENG-SCD-0405-12-NTC	4.05	66	107
ENG-SCD-0410-12-NTC	4.1	66	107
ENG-SCD-0415-12-NTC	4.15	66	107
ENG-SCD-0420-12-NTC	4.2	66	107
ENG-SCD-0425-12-NTC	4.25	66	107
ENG-SCD-0430-12-NTC	4.3	66	107
ENG-SCD-0435-12-NTC	4.35	66	107
ENG-SCD-0440-12-NTC	4.4	66	107
ENG-SCD-0445-12-NTC	4.45	66	107
ENG-SCD-0450-12-NTC	4.5	66	107
ENG-SCD-0455-12-NTC	4.55	66	107
ENG-SCD-0460-12-NTC	4.6	66	107
ENG-SCD-0465-12-NTC	4.65	66	107
ENG-SCD-0470-12-NTC	4.7	66	107
ENG-SCD-0475-12-NTC	4.75	66	107
ENG-SCD-0480-12-NTC	4.8	66	107
ENG-SCD-0485-12-NTC	4.85	66	107
ENG-SCD-0490-12-NTC	4.9	66	107
ENG-SCD-0495-12-NTC	4.95	66	107
ENG-SCD-0500-12-NTC	5	70	125
ENG-SCD-0505-12-NTC	5.05	70	125
ENG-SCD-0510-12-NTC	5.1	70	125
ENG-SCD-0515-12-NTC	5.15	70	125
ENG-SCD-0520-12-NTC	5.2	70	125
ENG-SCD-0525-12-NTC	5.25	70	125

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-12-NTC	5.3	70	125
ENG-SCD-0535-12-NTC	5.35	70	125
ENG-SCD-0540-12-NTC	5.4	70	125
ENG-SCD-0545-12-NTC	5.45	70	125
ENG-SCD-0550-12-NTC	5.5	70	125
ENG-SCD-0555-12-NTC	5.55	70	125
ENG-SCD-0560-12-NTC	5.6	83	125
ENG-SCD-0565-12-NTC	5.65	83	125
ENG-SCD-0570-12-NTC	5.7	83	125
ENG-SCD-0575-12-NTC	5.75	83	125
ENG-SCD-0580-12-NTC	5.8	83	125
ENG-SCD-0585-12-NTC	5.85	83	125
ENG-SCD-0590-12-NTC	5.9	83	125
ENG-SCD-0595-12-NTC	5.95	83	125
ENG-SCD-0600-12-NTC	6	83	125
ENG-SCD-0605-12-NTC	6.05	83	125
ENG-SCD-0610-12-NTC	6.1	97	139
ENG-SCD-0615-12-NTC	6.15	97	139
ENG-SCD-0620-12-NTC	6.2	97	139
ENG-SCD-0625-12-NTC	6.25	97	139
ENG-SCD-0630-12-NTC	6.3	97	139
ENG-SCD-0635-12-NTC	6.35	97	139
ENG-SCD-0640-12-NTC	6.4	97	139
ENG-SCD-0645-12-NTC	6.45	97	139
ENG-SCD-0650-12-NTC	6.5	97	139
ENG-SCD-0655-12-NTC	6.55	97	139
ENG-SCD-0660-12-NTC	6.6	97	139
ENG-SCD-0665-12-NTC	6.65	97	139
ENG-SCD-0670-12-NTC	6.7	97	139
ENG-SCD-0675-12-NTC	6.75	97	139
ENG-SCD-0680-12-NTC	6.8	97	139
ENG-SCD-0685-12-NTC	6.85	97	139
ENG-SCD-0690-12-NTC	6.9	97	139
ENG-SCD-0695-12-NTC	6.95	97	139
ENG-SCD-0700-12-NTC	7	97	139
ENG-SCD-0705-12-NTC	7.05	97	139
ENG-SCD-0710-12-NTC	7.1	111	153
ENG-SCD-0715-12-NTC	7.15	111	153
ENG-SCD-0720-12-NTC	7.2	111	153
ENG-SCD-0725-12-NTC	7.25	111	153
ENG-SCD-0730-12-NTC	7.3	111	153
ENG-SCD-0735-12-NTC	7.35	111	153
ENG-SCD-0740-12-NTC	7.4	111	153
ENG-SCD-0745-12-NTC	7.45	111	153
ENG-SCD-0750-12-NTC	7.5	111	153
ENG-SCD-0755-12-NTC	7.55	111	153

HIGH PERFORMANCE DRILL

STANDARD DRILLS X12D NTC

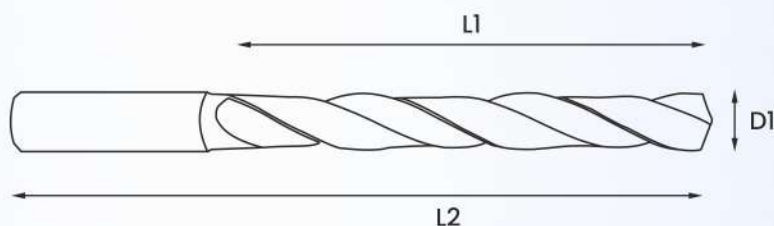


Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-12-NTC	7.6	111	153
ENG-SCD-0765-12-NTC	7.65	111	153
ENG-SCD-0770-12-NTC	7.7	111	153
ENG-SCD-0775-12-NTC	7.75	111	153
ENG-SCD-0780-12-NTC	7.8	111	153
ENG-SCD-0785-12-NTC	7.85	111	153
ENG-SCD-0790-12-NTC	7.9	111	153
ENG-SCD-0795-12-NTC	7.95	111	153
ENG-SCD-0800-12-NTC	8	111	153
ENG-SCD-0805-12-NTC	8.05	111	153
ENG-SCD-0810-12-NTC	8.1	136	185
ENG-SCD-0815-12-NTC	8.15	136	185
ENG-SCD-0820-12-NTC	8.2	136	185
ENG-SCD-0825-12-NTC	8.25	136	185
ENG-SCD-0830-12-NTC	8.3	136	185
ENG-SCD-0835-12-NTC	8.35	136	185
ENG-SCD-0840-12-NTC	8.4	136	185
ENG-SCD-0845-12-NTC	8.45	136	185
ENG-SCD-0850-12-NTC	8.5	136	185
ENG-SCD-0855-12-NTC	8.55	136	185
ENG-SCD-0860-12-NTC	8.6	136	185
ENG-SCD-0865-12-NTC	8.65	136	185
ENG-SCD-0870-12-NTC	8.7	136	185
ENG-SCD-0875-12-NTC	8.75	136	185
ENG-SCD-0880-12-NTC	8.8	136	185
ENG-SCD-0885-12-NTC	8.85	136	185
ENG-SCD-0890-12-NTC	8.9	136	185
ENG-SCD-0895-12-NTC	8.95	136	185
ENG-SCD-0900-12-NTC	9	136	185
ENG-SCD-0905-12-NTC	9.05	136	185
ENG-SCD-0910-12-NTC	9.1	136	185
ENG-SCD-0915-12-NTC	9.15	136	185
ENG-SCD-0920-12-NTC	9.2	136	185
ENG-SCD-0925-12-NTC	9.25	136	185
ENG-SCD-0930-12-NTC	9.3	136	185
ENG-SCD-0935-12-NTC	9.35	136	185
ENG-SCD-0940-12-NTC	9.4	136	185
ENG-SCD-0945-12-NTC	9.45	136	185
ENG-SCD-0950-12-NTC	9.5	136	185
ENG-SCD-0955-12-NTC	9.55	136	185
ENG-SCD-0960-12-NTC	9.6	136	185
ENG-SCD-0965-12-NTC	9.65	136	185
ENG-SCD-0970-12-NTC	9.7	136	185
ENG-SCD-0975-12-NTC	9.75	136	185
ENG-SCD-0980-12-NTC	9.8	136	185
ENG-SCD-0985-12-NTC	9.85	136	185

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-12-NTC	9.9	136	185
ENG-SCD-0995-12-NTC	9.95	136	185
ENG-SCD-1000-12-NTC	10	136	185
ENG-SCD-1005-12-NTC	10.05	136	185
ENG-SCD-1010-12-NTC	10.1	164	218
ENG-SCD-1015-12-NTC	10.15	164	218
ENG-SCD-1020-12-NTC	10.2	164	218
ENG-SCD-1025-12-NTC	10.25	164	218
ENG-SCD-1030-12-NTC	10.3	164	218
ENG-SCD-1035-12-NTC	10.35	164	218
ENG-SCD-1040-12-NTC	10.4	164	218
ENG-SCD-1045-12-NTC	10.45	164	218
ENG-SCD-1050-12-NTC	10.5	164	218
ENG-SCD-1055-12-NTC	10.55	164	218
ENG-SCD-1060-12-NTC	10.6	164	218
ENG-SCD-1065-12-NTC	10.65	164	218
ENG-SCD-1070-12-NTC	10.7	164	218
ENG-SCD-1075-12-NTC	10.75	164	218
ENG-SCD-1080-12-NTC	10.8	164	218
ENG-SCD-1085-12-NTC	10.85	164	218
ENG-SCD-1090-12-NTC	10.9	164	218
ENG-SCD-1095-12-NTC	10.95	164	218
ENG-SCD-1100-12-NTC	11	164	218
ENG-SCD-1105-12-NTC	11.05	164	218
ENG-SCD-1110-12-NTC	11.1	164	218
ENG-SCD-1115-12-NTC	11.15	164	218
ENG-SCD-1120-12-NTC	11.2	164	218
ENG-SCD-1125-12-NTC	11.25	164	218
ENG-SCD-1130-12-NTC	11.3	164	218
ENG-SCD-1135-12-NTC	11.35	164	218
ENG-SCD-1140-12-NTC	11.4	164	218
ENG-SCD-1145-12-NTC	11.45	164	218
ENG-SCD-1150-12-NTC	11.5	164	218
ENG-SCD-1155-12-NTC	11.55	164	218
ENG-SCD-1160-12-NTC	11.6	164	218
ENG-SCD-1165-12-NTC	11.65	164	218
ENG-SCD-1170-12-NTC	11.7	164	218
ENG-SCD-1175-12-NTC	11.75	164	218
ENG-SCD-1180-12-NTC	11.8	164	218
ENG-SCD-1185-12-NTC	11.85	164	218
ENG-SCD-1190-12-NTC	11.9	164	218
ENG-SCD-1195-12-NTC	11.95	164	218
ENG-SCD-1200-12-NTC	12	164	218

HIGH PERFORMANCE DRILL

STANDARD DRILLS X16D NTC



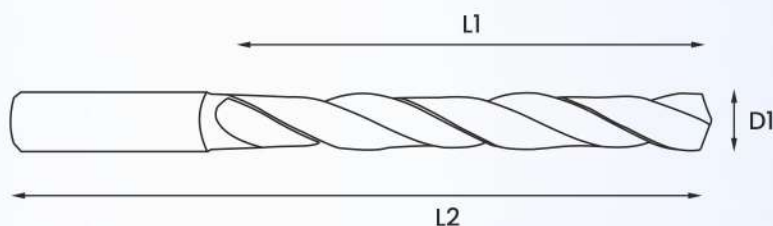
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-16-NTC	3	60	105
ENG-SCD-0305-16-NTC	3.05	60	105
ENG-SCD-0310-16-NTC	3.1	60	105
ENG-SCD-0315-16-NTC	3.15	60	105
ENG-SCD-0320-16-NTC	3.2	60	105
ENG-SCD-0325-16-NTC	3.25	60	105
ENG-SCD-0330-16-NTC	3.3	60	105
ENG-SCD-0335-16-NTC	3.35	60	105
ENG-SCD-0340-16-NTC	3.4	60	105
ENG-SCD-0345-16-NTC	3.45	60	105
ENG-SCD-0350-16-NTC	3.5	60	105
ENG-SCD-0355-16-NTC	3.55	60	105
ENG-SCD-0360-16-NTC	3.6	60	105
ENG-SCD-0365-16-NTC	3.65	60	105
ENG-SCD-0370-16-NTC	3.7	60	105
ENG-SCD-0375-16-NTC	3.75	60	105
ENG-SCD-0380-16-NTC	3.8	71	112
ENG-SCD-0385-16-NTC	3.85	71	112
ENG-SCD-0390-16-NTC	3.9	71	112
ENG-SCD-0395-16-NTC	3.95	78	120
ENG-SCD-0400-16-NTC	4	78	120
ENG-SCD-0405-16-NTC	4.05	78	120
ENG-SCD-0410-16-NTC	4.1	78	120
ENG-SCD-0415-16-NTC	4.15	78	120
ENG-SCD-0420-16-NTC	4.2	88	135
ENG-SCD-0425-16-NTC	4.25	88	135
ENG-SCD-0430-16-NTC	4.3	88	135
ENG-SCD-0435-16-NTC	4.35	88	135
ENG-SCD-0440-16-NTC	4.4	88	135
ENG-SCD-0445-16-NTC	4.45	88	135
ENG-SCD-0450-16-NTC	4.5	88	135
ENG-SCD-0455-16-NTC	4.55	88	135
ENG-SCD-0460-16-NTC	4.6	88	135
ENG-SCD-0465-16-NTC	4.65	88	135
ENG-SCD-0470-16-NTC	4.7	93	135
ENG-SCD-0475-16-NTC	4.75	93	135
ENG-SCD-0480-16-NTC	4.8	93	135
ENG-SCD-0485-16-NTC	4.85	93	135
ENG-SCD-0490-16-NTC	4.9	93	135
ENG-SCD-0495-16-NTC	4.95	93	135
ENG-SCD-0500-16-NTC	5	102	145
ENG-SCD-0505-16-NTC	5.05	102	145
ENG-SCD-0510-16-NTC	5.1	102	145
ENG-SCD-0515-16-NTC	5.15	102	145
ENG-SCD-0520-16-NTC	5.2	102	145
ENG-SCD-0525-16-NTC	5.25	102	145

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-16-NTC	5.3	102	145
ENG-SCD-0535-16-NTC	5.35	102	145
ENG-SCD-0540-16-NTC	5.4	102	145
ENG-SCD-0545-16-NTC	5.45	102	145
ENG-SCD-0550-16-NTC	5.5	111	155
ENG-SCD-0555-16-NTC	5.55	111	155
ENG-SCD-0560-16-NTC	5.6	111	155
ENG-SCD-0565-16-NTC	5.65	111	155
ENG-SCD-0570-16-NTC	5.7	111	155
ENG-SCD-0575-16-NTC	5.75	111	155
ENG-SCD-0580-16-NTC	5.8	111	155
ENG-SCD-0585-16-NTC	5.85	111	155
ENG-SCD-0590-16-NTC	5.9	111	155
ENG-SCD-0595-16-NTC	5.95	111	155
ENG-SCD-0600-16-NTC	6	111	155
ENG-SCD-0605-16-NTC	6.05	111	155
ENG-SCD-0610-16-NTC	6.1	118	162
ENG-SCD-0615-16-NTC	6.15	118	162
ENG-SCD-0620-16-NTC	6.2	118	162
ENG-SCD-0625-16-NTC	6.25	118	162
ENG-SCD-0630-16-NTC	6.3	118	162
ENG-SCD-0635-16-NTC	6.35	118	162
ENG-SCD-0640-16-NTC	6.4	118	162
ENG-SCD-0645-16-NTC	6.45	118	162
ENG-SCD-0650-16-NTC	6.5	128	175
ENG-SCD-0655-16-NTC	6.55	128	175
ENG-SCD-0660-16-NTC	6.6	128	175
ENG-SCD-0665-16-NTC	6.65	128	175
ENG-SCD-0670-16-NTC	6.7	128	175
ENG-SCD-0675-16-NTC	6.75	128	175
ENG-SCD-0680-16-NTC	6.8	128	175
ENG-SCD-0685-16-NTC	6.85	128	175
ENG-SCD-0690-16-NTC	6.9	128	175
ENG-SCD-0695-16-NTC	6.95	128	175
ENG-SCD-0700-16-NTC	7	128	175
ENG-SCD-0705-16-NTC	7.05	128	175
ENG-SCD-0710-16-NTC	7.1	145	195
ENG-SCD-0715-16-NTC	7.15	145	195
ENG-SCD-0720-16-NTC	7.2	145	195
ENG-SCD-0725-16-NTC	7.25	145	195
ENG-SCD-0730-16-NTC	7.3	145	195
ENG-SCD-0735-16-NTC	7.35	145	195
ENG-SCD-0740-16-NTC	7.4	145	195
ENG-SCD-0745-16-NTC	7.45	145	195
ENG-SCD-0750-16-NTC	7.5	145	195
ENG-SCD-0755-16-NTC	7.55	145	195

HIGH PERFORMANCE DRILL

STANDARD DRILLS X16D NTC



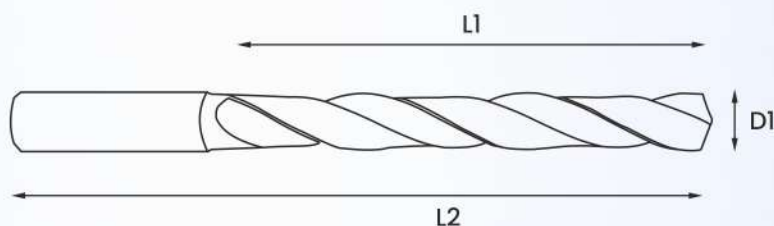
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-16-NTC	7.6	145	195
ENG-SCD-0765-16-NTC	7.65	145	195
ENG-SCD-0770-16-NTC	7.7	145	195
ENG-SCD-0775-16-NTC	7.75	145	195
ENG-SCD-0780-16-NTC	7.8	145	195
ENG-SCD-0785-16-NTC	7.85	145	195
ENG-SCD-0790-16-NTC	7.9	145	195
ENG-SCD-0795-16-NTC	7.95	145	195
ENG-SCD-0800-16-NTC	8	145	195
ENG-SCD-0805-16-NTC	8.05	145	195
ENG-SCD-0810-16-NTC	8.1	165	225
ENG-SCD-0815-16-NTC	8.15	165	225
ENG-SCD-0820-16-NTC	8.2	165	225
ENG-SCD-0825-16-NTC	8.25	165	225
ENG-SCD-0830-16-NTC	8.3	165	225
ENG-SCD-0835-16-NTC	8.35	165	225
ENG-SCD-0840-16-NTC	8.4	165	225
ENG-SCD-0845-16-NTC	8.45	165	225
ENG-SCD-0850-16-NTC	8.5	165	225
ENG-SCD-0855-16-NTC	8.55	165	225
ENG-SCD-0860-16-NTC	8.6	165	225
ENG-SCD-0865-16-NTC	8.65	165	225
ENG-SCD-0870-16-NTC	8.7	165	225
ENG-SCD-0875-16-NTC	8.75	165	225
ENG-SCD-0880-16-NTC	8.8	183	240
ENG-SCD-0885-16-NTC	8.85	183	240
ENG-SCD-0890-16-NTC	8.9	183	240
ENG-SCD-0895-16-NTC	8.95	183	240
ENG-SCD-0900-16-NTC	9	183	240
ENG-SCD-0905-16-NTC	9.05	183	240
ENG-SCD-0910-16-NTC	9.1	183	240
ENG-SCD-0915-16-NTC	9.15	183	240
ENG-SCD-0920-16-NTC	9.2	183	240
ENG-SCD-0925-16-NTC	9.25	183	240
ENG-SCD-0930-16-NTC	9.3	183	240
ENG-SCD-0935-16-NTC	9.35	183	240
ENG-SCD-0940-16-NTC	9.4	183	240
ENG-SCD-0945-16-NTC	9.45	183	240
ENG-SCD-0950-16-NTC	9.5	183	240
ENG-SCD-0955-16-NTC	9.55	183	240
ENG-SCD-0960-16-NTC	9.6	183	240
ENG-SCD-0965-16-NTC	9.65	183	240
ENG-SCD-0970-16-NTC	9.7	183	240
ENG-SCD-0975-16-NTC	9.75	183	240
ENG-SCD-0980-16-NTC	9.8	183	240
ENG-SCD-0985-16-NTC	9.85	183	240

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-16-NTC	9.9	183	240
ENG-SCD-0995-16-NTC	9.95	183	240
ENG-SCD-1000-16-NTC	10	183	240
ENG-SCD-1005-16-NTC	10.05	183	240
ENG-SCD-1010-16-NTC	10.1	216	270
ENG-SCD-1015-16-NTC	10.15	216	270
ENG-SCD-1020-16-NTC	10.2	216	270
ENG-SCD-1025-16-NTC	10.25	216	270
ENG-SCD-1030-16-NTC	10.3	216	270
ENG-SCD-1035-16-NTC	10.35	216	270
ENG-SCD-1040-16-NTC	10.4	216	270
ENG-SCD-1045-16-NTC	10.45	216	270
ENG-SCD-1050-16-NTC	10.5	216	270
ENG-SCD-1055-16-NTC	10.55	216	270
ENG-SCD-1060-16-NTC	10.6	216	270
ENG-SCD-1065-16-NTC	10.65	216	270
ENG-SCD-1070-16-NTC	10.7	216	270
ENG-SCD-1075-16-NTC	10.75	216	270
ENG-SCD-1080-16-NTC	10.8	216	270
ENG-SCD-1085-16-NTC	10.85	216	270
ENG-SCD-1090-16-NTC	10.9	216	270
ENG-SCD-1095-16-NTC	10.95	216	270
ENG-SCD-1100-16-NTC	11	216	270
ENG-SCD-1105-16-NTC	11.05	216	270
ENG-SCD-1110-16-NTC	11.1	216	270
ENG-SCD-1115-16-NTC	11.15	216	270
ENG-SCD-1120-16-NTC	11.2	216	270
ENG-SCD-1125-16-NTC	11.25	216	270
ENG-SCD-1130-16-NTC	11.3	216	270
ENG-SCD-1135-16-NTC	11.35	216	270
ENG-SCD-1140-16-NTC	11.4	216	270
ENG-SCD-1145-16-NTC	11.45	216	270
ENG-SCD-1150-16-NTC	11.5	216	270
ENG-SCD-1155-16-NTC	11.55	216	270
ENG-SCD-1160-16-NTC	11.6	216	270
ENG-SCD-1165-16-NTC	11.65	216	270
ENG-SCD-1170-16-NTC	11.7	216	270
ENG-SCD-1175-16-NTC	11.75	216	270
ENG-SCD-1180-16-NTC	11.8	216	270
ENG-SCD-1185-16-NTC	11.85	216	270
ENG-SCD-1190-16-NTC	11.9	216	270
ENG-SCD-1195-16-NTC	11.95	216	270
ENG-SCD-1200-16-NTC	12	216	270

HIGH PERFORMANCE DRILL

STANDARD DRILLS X20D NTC



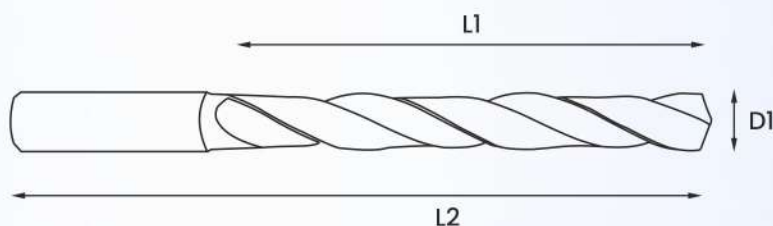
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-20-NTC	3	80	120
ENG-SCD-0305-20-NTC	3.05	80	120
ENG-SCD-0310-20-NTC	3.1	80	120
ENG-SCD-0315-20-NTC	3.15	80	120
ENG-SCD-0320-20-NTC	3.2	80	120
ENG-SCD-0325-20-NTC	3.25	80	120
ENG-SCD-0330-20-NTC	3.3	80	120
ENG-SCD-0335-20-NTC	3.35	80	120
ENG-SCD-0340-20-NTC	3.4	80	120
ENG-SCD-0345-20-NTC	3.45	80	120
ENG-SCD-0350-20-NTC	3.5	80	120
ENG-SCD-0355-20-NTC	3.55	80	120
ENG-SCD-0360-20-NTC	3.6	80	120
ENG-SCD-0365-20-NTC	3.65	80	120
ENG-SCD-0370-20-NTC	3.7	80	120
ENG-SCD-0375-20-NTC	3.75	80	120
ENG-SCD-0380-20-NTC	3.8	90	130
ENG-SCD-0385-20-NTC	3.85	90	130
ENG-SCD-0390-20-NTC	3.9	90	130
ENG-SCD-0395-20-NTC	3.95	90	130
ENG-SCD-0400-20-NTC	4	90	130
ENG-SCD-0405-20-NTC	4.05	90	130
ENG-SCD-0410-20-NTC	4.1	90	130
ENG-SCD-0415-20-NTC	4.15	90	130
ENG-SCD-0420-20-NTC	4.2	110	160
ENG-SCD-0425-20-NTC	4.25	110	160
ENG-SCD-0430-20-NTC	4.3	110	160
ENG-SCD-0435-20-NTC	4.35	110	160
ENG-SCD-0440-20-NTC	4.4	110	160
ENG-SCD-0445-20-NTC	4.45	110	160
ENG-SCD-0450-20-NTC	4.5	110	160
ENG-SCD-0455-20-NTC	4.55	110	160
ENG-SCD-0460-20-NTC	4.6	110	160
ENG-SCD-0465-20-NTC	4.65	110	160
ENG-SCD-0470-20-NTC	4.7	120	160
ENG-SCD-0475-20-NTC	4.75	120	160
ENG-SCD-0480-20-NTC	4.8	120	160
ENG-SCD-0485-20-NTC	4.85	120	160
ENG-SCD-0490-20-NTC	4.9	120	160
ENG-SCD-0495-20-NTC	4.95	120	160
ENG-SCD-0500-20-NTC	5	120	160
ENG-SCD-0505-20-NTC	5.05	120	160
ENG-SCD-0510-20-NTC	5.1	120	160
ENG-SCD-0515-20-NTC	5.15	120	160
ENG-SCD-0520-20-NTC	5.2	120	160
ENG-SCD-0525-20-NTC	5.25	120	160

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-20-NTC	5.3	120	160
ENG-SCD-0535-20-NTC	5.35	120	160
ENG-SCD-0540-20-NTC	5.4	120	160
ENG-SCD-0545-20-NTC	5.45	120	160
ENG-SCD-0550-20-NTC	5.5	140	185
ENG-SCD-0555-20-NTC	5.55	140	185
ENG-SCD-0560-20-NTC	5.6	140	185
ENG-SCD-0565-20-NTC	5.65	140	185
ENG-SCD-0570-20-NTC	5.7	140	185
ENG-SCD-0575-20-NTC	5.75	140	185
ENG-SCD-0580-20-NTC	5.8	140	185
ENG-SCD-0585-20-NTC	5.85	140	185
ENG-SCD-0590-20-NTC	5.9	140	185
ENG-SCD-0595-20-NTC	5.95	140	185
ENG-SCD-0600-20-NTC	6	140	185
ENG-SCD-0605-20-NTC	6.05	140	185
ENG-SCD-0610-20-NTC	6.1	140	185
ENG-SCD-0615-20-NTC	6.15	140	185
ENG-SCD-0620-20-NTC	6.2	140	185
ENG-SCD-0625-20-NTC	6.25	140	185
ENG-SCD-0630-20-NTC	6.3	140	185
ENG-SCD-0635-20-NTC	6.35	140	185
ENG-SCD-0640-20-NTC	6.4	140	185
ENG-SCD-0645-20-NTC	6.45	140	185
ENG-SCD-0650-20-NTC	6.5	160	210
ENG-SCD-0655-20-NTC	6.55	160	210
ENG-SCD-0660-20-NTC	6.6	160	210
ENG-SCD-0665-20-NTC	6.65	160	210
ENG-SCD-0670-20-NTC	6.7	160	210
ENG-SCD-0675-20-NTC	6.75	160	210
ENG-SCD-0680-20-NTC	6.8	160	210
ENG-SCD-0685-20-NTC	6.85	160	210
ENG-SCD-0690-20-NTC	6.9	160	210
ENG-SCD-0695-20-NTC	6.95	160	210
ENG-SCD-0700-20-NTC	7	160	210
ENG-SCD-0705-20-NTC	7.05	180	230
ENG-SCD-0710-20-NTC	7.1	180	230
ENG-SCD-0715-20-NTC	7.15	180	230
ENG-SCD-0720-20-NTC	7.2	180	230
ENG-SCD-0725-20-NTC	7.25	180	230
ENG-SCD-0730-20-NTC	7.3	180	230
ENG-SCD-0735-20-NTC	7.35	180	230
ENG-SCD-0740-20-NTC	7.4	180	230
ENG-SCD-0745-20-NTC	7.45	180	230
ENG-SCD-0750-20-NTC	7.5	180	230
ENG-SCD-0755-20-NTC	7.55	180	230

HIGH PERFORMANCE DRILL

STANDARD DRILLS X20D NTC



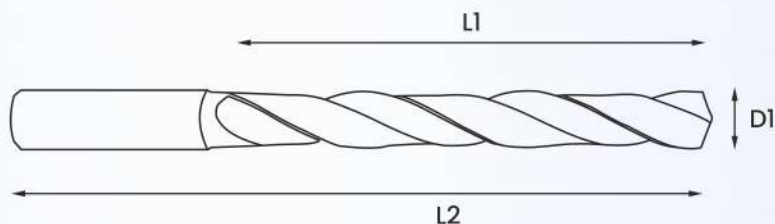
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-20-NTC	7.6	180	230
ENG-SCD-0765-20-NTC	7.65	180	230
ENG-SCD-0770-20-NTC	7.7	180	230
ENG-SCD-0775-20-NTC	7.75	180	230
ENG-SCD-0780-20-NTC	7.8	180	230
ENG-SCD-0785-20-NTC	7.85	180	230
ENG-SCD-0790-20-NTC	7.9	180	230
ENG-SCD-0795-20-NTC	7.95	180	230
ENG-SCD-0800-20-NTC	8	180	230
ENG-SCD-0805-20-NTC	8.05	180	230
ENG-SCD-0810-20-NTC	8.1	195	260
ENG-SCD-0815-20-NTC	8.15	195	260
ENG-SCD-0820-20-NTC	8.2	195	260
ENG-SCD-0825-20-NTC	8.25	195	260
ENG-SCD-0830-20-NTC	8.3	195	260
ENG-SCD-0835-20-NTC	8.35	195	260
ENG-SCD-0840-20-NTC	8.4	195	260
ENG-SCD-0845-20-NTC	8.45	195	260
ENG-SCD-0850-20-NTC	8.5	195	260
ENG-SCD-0855-20-NTC	8.55	195	260
ENG-SCD-0860-20-NTC	8.6	195	260
ENG-SCD-0865-20-NTC	8.65	195	260
ENG-SCD-0870-20-NTC	8.7	195	260
ENG-SCD-0875-20-NTC	8.75	195	260
ENG-SCD-0880-20-NTC	8.8	230	290
ENG-SCD-0885-20-NTC	8.85	230	290
ENG-SCD-0890-20-NTC	8.9	230	290
ENG-SCD-0895-20-NTC	8.95	230	290
ENG-SCD-0900-20-NTC	9	230	290
ENG-SCD-0905-20-NTC	9.05	230	290
ENG-SCD-0910-20-NTC	9.1	230	290
ENG-SCD-0915-20-NTC	9.15	230	290
ENG-SCD-0920-20-NTC	9.2	230	290
ENG-SCD-0925-20-NTC	9.25	230	290
ENG-SCD-0930-20-NTC	9.3	230	290
ENG-SCD-0935-20-NTC	9.35	230	290
ENG-SCD-0940-20-NTC	9.4	230	290
ENG-SCD-0945-20-NTC	9.45	230	290
ENG-SCD-0950-20-NTC	9.5	230	290
ENG-SCD-0955-20-NTC	9.55	230	290
ENG-SCD-0960-20-NTC	9.6	230	290
ENG-SCD-0965-20-NTC	9.65	230	290
ENG-SCD-0970-20-NTC	9.7	230	290
ENG-SCD-0975-20-NTC	9.75	230	290
ENG-SCD-0980-20-NTC	9.8	230	290
ENG-SCD-0985-20-NTC	9.85	230	290

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-20-NTC	9.9	230	290
ENG-SCD-0995-20-NTC	9.95	230	290
ENG-SCD-1000-20-NTC	10	230	290
ENG-SCD-1005-20-NTC	10.05	268	315
ENG-SCD-1010-20-NTC	10.1	268	315
ENG-SCD-1015-20-NTC	10.15	268	315
ENG-SCD-1020-20-NTC	10.2	268	315
ENG-SCD-1025-20-NTC	10.25	268	315
ENG-SCD-1030-20-NTC	10.3	268	315
ENG-SCD-1035-20-NTC	10.35	268	315
ENG-SCD-1040-20-NTC	10.4	268	315
ENG-SCD-1045-20-NTC	10.45	268	315
ENG-SCD-1050-20-NTC	10.5	268	315
ENG-SCD-1055-20-NTC	10.55	268	315
ENG-SCD-1060-20-NTC	10.6	268	315
ENG-SCD-1065-20-NTC	10.65	268	315
ENG-SCD-1070-20-NTC	10.7	268	315
ENG-SCD-1075-20-NTC	10.75	268	315
ENG-SCD-1080-20-NTC	10.8	268	315
ENG-SCD-1085-20-NTC	10.85	268	315
ENG-SCD-1090-20-NTC	10.9	268	315
ENG-SCD-1095-20-NTC	10.95	268	315
ENG-SCD-1100-20-NTC	11	268	315
ENG-SCD-1105-20-NTC	11.05	268	315
ENG-SCD-1110-20-NTC	11.1	268	315
ENG-SCD-1115-20-NTC	11.15	268	315
ENG-SCD-1120-20-NTC	11.2	268	315
ENG-SCD-1125-20-NTC	11.25	268	315
ENG-SCD-1130-20-NTC	11.3	268	315
ENG-SCD-1135-20-NTC	11.35	268	315
ENG-SCD-1140-20-NTC	11.4	268	315
ENG-SCD-1145-20-NTC	11.45	268	315
ENG-SCD-1150-20-NTC	11.5	268	315
ENG-SCD-1155-20-NTC	11.55	268	315
ENG-SCD-1160-20-NTC	11.6	268	315
ENG-SCD-1165-20-NTC	11.65	268	315
ENG-SCD-1170-20-NTC	11.7	268	315
ENG-SCD-1175-20-NTC	11.75	268	315
ENG-SCD-1180-20-NTC	11.8	268	315
ENG-SCD-1185-20-NTC	11.85	268	315
ENG-SCD-1190-20-NTC	11.9	268	315
ENG-SCD-1195-20-NTC	11.95	268	315
ENG-SCD-1200-20-NTC	12	268	315

HIGH PERFORMANCE DRILL

STANDARD DRILLS X3D TC

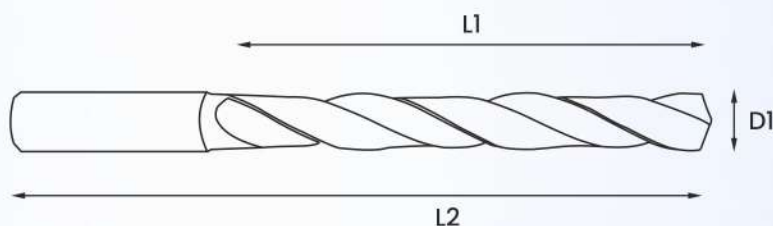


Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-3-TC	3	20	62
ENG-SCD-0305-3-TC	3.05	20	62
ENG-SCD-0310-3-TC	3.1	20	62
ENG-SCD-0315-3-TC	3.15	20	62
ENG-SCD-0320-3-TC	3.2	20	62
ENG-SCD-0325-3-TC	3.25	20	62
ENG-SCD-0330-3-TC	3.3	20	62
ENG-SCD-0335-3-TC	3.35	20	62
ENG-SCD-0340-3-TC	3.4	20	62
ENG-SCD-0345-3-TC	3.45	20	62
ENG-SCD-0350-3-TC	3.5	20	62
ENG-SCD-0355-3-TC	3.55	20	62
ENG-SCD-0360-3-TC	3.6	20	62
ENG-SCD-0365-3-TC	3.65	20	62
ENG-SCD-0370-3-TC	3.7	20	62
ENG-SCD-0375-3-TC	3.75	20	62
ENG-SCD-0380-3-TC	3.8	20	62
ENG-SCD-0385-3-TC	3.85	20	62
ENG-SCD-0390-3-TC	3.9	20	62
ENG-SCD-0395-3-TC	3.95	20	62
ENG-SCD-0400-3-TC	4	24	66
ENG-SCD-0405-3-TC	4.05	24	66
ENG-SCD-0410-3-TC	4.1	24	66
ENG-SCD-0415-3-TC	4.15	24	66
ENG-SCD-0420-3-TC	4.2	24	66
ENG-SCD-0425-3-TC	4.25	24	66
ENG-SCD-0430-3-TC	4.3	24	66
ENG-SCD-0435-3-TC	4.35	24	66
ENG-SCD-0440-3-TC	4.4	24	66
ENG-SCD-0445-3-TC	4.45	24	66
ENG-SCD-0450-3-TC	4.5	24	66
ENG-SCD-0455-3-TC	4.55	24	66
ENG-SCD-0460-3-TC	4.6	24	66
ENG-SCD-0465-3-TC	4.65	24	66
ENG-SCD-0470-3-TC	4.7	24	66
ENG-SCD-0475-3-TC	4.75	24	66
ENG-SCD-0480-3-TC	4.8	24	66
ENG-SCD-0485-3-TC	4.85	24	66
ENG-SCD-0490-3-TC	4.9	24	66
ENG-SCD-0495-3-TC	4.95	24	66
ENG-SCD-0500-3-TC	5	28	66
ENG-SCD-0505-3-TC	5.05	28	66
ENG-SCD-0510-3-TC	5.1	28	66
ENG-SCD-0515-3-TC	5.15	28	66
ENG-SCD-0520-3-TC	5.2	28	66
ENG-SCD-0525-3-TC	5.25	28	66

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-3-TC	5.3	28	66
ENG-SCD-0535-3-TC	5.35	28	66
ENG-SCD-0540-3-TC	5.4	28	66
ENG-SCD-0545-3-TC	5.45	28	66
ENG-SCD-0550-3-TC	5.5	28	66
ENG-SCD-0555-3-TC	5.55	28	66
ENG-SCD-0560-3-TC	5.6	28	66
ENG-SCD-0565-3-TC	5.65	28	66
ENG-SCD-0570-3-TC	5.7	28	66
ENG-SCD-0575-3-TC	5.75	28	66
ENG-SCD-0580-3-TC	5.8	28	66
ENG-SCD-0585-3-TC	5.85	28	66
ENG-SCD-0590-3-TC	5.9	28	66
ENG-SCD-0595-3-TC	5.95	28	66
ENG-SCD-0600-3-TC	6	28	66
ENG-SCD-0605-3-TC	6.05	28	66
ENG-SCD-0610-3-TC	6.1	34	79
ENG-SCD-0615-3-TC	6.15	34	79
ENG-SCD-0620-3-TC	6.2	34	79
ENG-SCD-0625-3-TC	6.25	34	79
ENG-SCD-0630-3-TC	6.3	34	79
ENG-SCD-0635-3-TC	6.35	34	79
ENG-SCD-0640-3-TC	6.4	34	79
ENG-SCD-0645-3-TC	6.45	34	79
ENG-SCD-0650-3-TC	6.5	34	79
ENG-SCD-0655-3-TC	6.55	34	79
ENG-SCD-0660-3-TC	6.6	34	79
ENG-SCD-0665-3-TC	6.65	34	79
ENG-SCD-0670-3-TC	6.7	34	79
ENG-SCD-0675-3-TC	6.75	34	79
ENG-SCD-0680-3-TC	6.8	34	79
ENG-SCD-0685-3-TC	6.85	34	79
ENG-SCD-0690-3-TC	6.9	34	79
ENG-SCD-0695-3-TC	6.95	34	79
ENG-SCD-0700-3-TC	7	34	79
ENG-SCD-0705-3-TC	7.05	41	79
ENG-SCD-0710-3-TC	7.1	41	79
ENG-SCD-0715-3-TC	7.15	41	79
ENG-SCD-0720-3-TC	7.2	41	79
ENG-SCD-0725-3-TC	7.25	41	79
ENG-SCD-0730-3-TC	7.3	41	79
ENG-SCD-0735-3-TC	7.35	41	79
ENG-SCD-0740-3-TC	7.4	41	79
ENG-SCD-0745-3-TC	7.45	41	79
ENG-SCD-0750-3-TC	7.5	41	79
ENG-SCD-0755-3-TC	7.55	41	79

HIGH PERFORMANCE DRILL

STANDARD DRILLS X3D TC



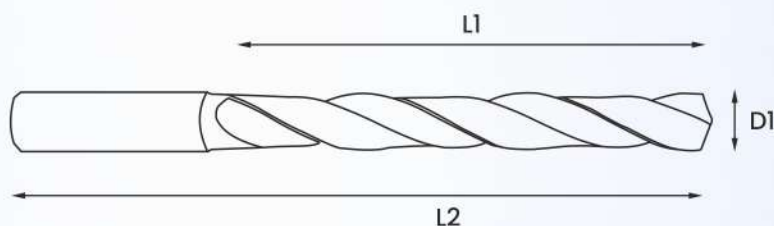
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-3-TC	7.6	41	79
ENG-SCD-0765-3-TC	7.65	41	79
ENG-SCD-0770-3-TC	7.7	41	79
ENG-SCD-0775-3-TC	7.75	41	79
ENG-SCD-0780-3-TC	7.8	41	79
ENG-SCD-0785-3-TC	7.85	41	79
ENG-SCD-0790-3-TC	7.9	41	79
ENG-SCD-0795-3-TC	7.95	41	79
ENG-SCD-0800-3-TC	8	41	79
ENG-SCD-0805-3-TC	8.05	47	89
ENG-SCD-0810-3-TC	8.1	47	89
ENG-SCD-0815-3-TC	8.15	47	89
ENG-SCD-0820-3-TC	8.2	47	89
ENG-SCD-0825-3-TC	8.25	47	89
ENG-SCD-0830-3-TC	8.3	47	89
ENG-SCD-0835-3-TC	8.35	47	89
ENG-SCD-0840-3-TC	8.4	47	89
ENG-SCD-0845-3-TC	8.45	47	89
ENG-SCD-0850-3-TC	8.5	47	89
ENG-SCD-0855-3-TC	8.55	47	89
ENG-SCD-0860-3-TC	8.6	47	89
ENG-SCD-0865-3-TC	8.65	47	89
ENG-SCD-0870-3-TC	8.7	47	89
ENG-SCD-0875-3-TC	8.75	47	89
ENG-SCD-0880-3-TC	8.8	47	89
ENG-SCD-0885-3-TC	8.85	47	89
ENG-SCD-0890-3-TC	8.9	47	89
ENG-SCD-0895-3-TC	8.95	47	89
ENG-SCD-0900-3-TC	9	47	89
ENG-SCD-0905-3-TC	9.05	47	89
ENG-SCD-0910-3-TC	9.1	47	89
ENG-SCD-0915-3-TC	9.15	47	89
ENG-SCD-0920-3-TC	9.2	47	89
ENG-SCD-0925-3-TC	9.25	47	89
ENG-SCD-0930-3-TC	9.3	47	89
ENG-SCD-0935-3-TC	9.35	47	89
ENG-SCD-0940-3-TC	9.4	47	89
ENG-SCD-0945-3-TC	9.45	47	89
ENG-SCD-0950-3-TC	9.5	47	89
ENG-SCD-0955-3-TC	9.55	47	89
ENG-SCD-0960-3-TC	9.6	47	89
ENG-SCD-0965-3-TC	9.65	47	89
ENG-SCD-0970-3-TC	9.7	47	89
ENG-SCD-0975-3-TC	9.75	47	89
ENG-SCD-0980-3-TC	9.8	47	89
ENG-SCD-0985-3-TC	9.85	47	89

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-3-TC	9.9	47	89
ENG-SCD-0995-3-TC	9.95	47	89
ENG-SCD-1000-3-TC	10	47	89
ENG-SCD-1005-3-TC	10.05	47	89
ENG-SCD-1010-3-TC	10.1	55	102
ENG-SCD-1015-3-TC	10.15	55	102
ENG-SCD-1020-3-TC	10.2	55	102
ENG-SCD-1025-3-TC	10.25	55	102
ENG-SCD-1030-3-TC	10.3	55	102
ENG-SCD-1035-3-TC	10.35	55	102
ENG-SCD-1040-3-TC	10.4	55	102
ENG-SCD-1045-3-TC	10.45	55	102
ENG-SCD-1050-3-TC	10.5	55	102
ENG-SCD-1055-3-TC	10.55	55	102
ENG-SCD-1060-3-TC	10.6	55	102
ENG-SCD-1065-3-TC	10.65	55	102
ENG-SCD-1070-3-TC	10.7	55	102
ENG-SCD-1075-3-TC	10.75	55	102
ENG-SCD-1080-3-TC	10.8	55	102
ENG-SCD-1085-3-TC	10.85	55	102
ENG-SCD-1090-3-TC	10.9	55	102
ENG-SCD-1095-3-TC	10.95	55	102
ENG-SCD-1100-3-TC	11	55	102
ENG-SCD-1105-3-TC	11.05	55	102
ENG-SCD-1110-3-TC	11.1	55	102
ENG-SCD-1115-3-TC	11.15	55	102
ENG-SCD-1120-3-TC	11.2	55	102
ENG-SCD-1125-3-TC	11.25	55	102
ENG-SCD-1130-3-TC	11.3	55	102
ENG-SCD-1135-3-TC	11.35	55	102
ENG-SCD-1140-3-TC	11.4	55	102
ENG-SCD-1145-3-TC	11.45	55	102
ENG-SCD-1150-3-TC	11.5	55	102
ENG-SCD-1155-3-TC	11.55	55	102
ENG-SCD-1160-3-TC	11.6	55	102
ENG-SCD-1165-3-TC	11.65	55	102
ENG-SCD-1170-3-TC	11.7	55	102
ENG-SCD-1175-3-TC	11.75	55	102
ENG-SCD-1180-3-TC	11.8	55	102
ENG-SCD-1185-3-TC	11.85	55	102
ENG-SCD-1190-3-TC	11.9	55	102
ENG-SCD-1195-3-TC	11.95	55	102
ENG-SCD-1200-3-TC	12	55	102

HIGH PERFORMANCE DRILL

STANDARD DRILLS X5D TC

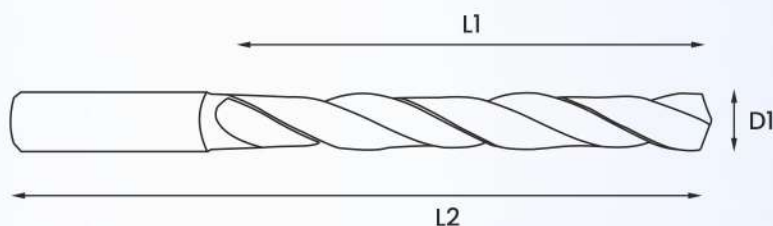


Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-5-TC	3	28	66
ENG-SCD-0305-5-TC	3.05	28	66
ENG-SCD-0310-5-TC	3.1	28	66
ENG-SCD-0315-5-TC	3.15	28	66
ENG-SCD-0320-5-TC	3.2	28	66
ENG-SCD-0325-5-TC	3.25	28	66
ENG-SCD-0330-5-TC	3.3	28	66
ENG-SCD-0335-5-TC	3.35	28	66
ENG-SCD-0340-5-TC	3.4	28	66
ENG-SCD-0345-5-TC	3.45	28	66
ENG-SCD-0350-5-TC	3.5	28	66
ENG-SCD-0355-5-TC	3.55	28	66
ENG-SCD-0360-5-TC	3.6	28	66
ENG-SCD-0365-5-TC	3.65	28	66
ENG-SCD-0370-5-TC	3.7	28	66
ENG-SCD-0375-5-TC	3.75	28	66
ENG-SCD-0380-5-TC	3.8	28	66
ENG-SCD-0385-5-TC	3.85	28	66
ENG-SCD-0390-5-TC	3.9	28	66
ENG-SCD-0395-5-TC	3.95	28	66
ENG-SCD-0400-5-TC	4	36	74
ENG-SCD-0405-5-TC	4.05	36	74
ENG-SCD-0410-5-TC	4.1	36	74
ENG-SCD-0415-5-TC	4.15	36	74
ENG-SCD-0420-5-TC	4.2	36	74
ENG-SCD-0425-5-TC	4.25	36	74
ENG-SCD-0430-5-TC	4.3	36	74
ENG-SCD-0435-5-TC	4.35	36	74
ENG-SCD-0440-5-TC	4.4	36	74
ENG-SCD-0445-5-TC	4.45	36	74
ENG-SCD-0450-5-TC	4.5	36	74
ENG-SCD-0455-5-TC	4.55	36	74
ENG-SCD-0460-5-TC	4.6	36	74
ENG-SCD-0465-5-TC	4.65	36	74
ENG-SCD-0470-5-TC	4.7	36	74
ENG-SCD-0475-5-TC	4.75	36	74
ENG-SCD-0480-5-TC	4.8	36	74
ENG-SCD-0485-5-TC	4.85	36	74
ENG-SCD-0490-5-TC	4.9	36	74
ENG-SCD-0495-5-TC	4.95	36	74
ENG-SCD-0500-5-TC	5	44	82
ENG-SCD-0505-5-TC	5.05	44	82
ENG-SCD-0510-5-TC	5.1	44	82
ENG-SCD-0515-5-TC	5.15	44	82
ENG-SCD-0520-5-TC	5.2	44	82
ENG-SCD-0525-5-TC	5.25	44	82

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-5-TC	5.3	44	82
ENG-SCD-0535-5-TC	5.35	44	82
ENG-SCD-0540-5-TC	5.4	44	82
ENG-SCD-0545-5-TC	5.45	44	82
ENG-SCD-0550-5-TC	5.5	44	82
ENG-SCD-0555-5-TC	5.55	44	82
ENG-SCD-0560-5-TC	5.6	44	82
ENG-SCD-0565-5-TC	5.65	44	82
ENG-SCD-0570-5-TC	5.7	44	82
ENG-SCD-0575-5-TC	5.75	44	82
ENG-SCD-0580-5-TC	5.8	44	82
ENG-SCD-0585-5-TC	5.85	44	82
ENG-SCD-0590-5-TC	5.9	44	82
ENG-SCD-0595-5-TC	5.95	44	82
ENG-SCD-0600-5-TC	6	44	82
ENG-SCD-0605-5-TC	6.05	44	82
ENG-SCD-0610-5-TC	6.1	53	91
ENG-SCD-0615-5-TC	6.15	53	91
ENG-SCD-0620-5-TC	6.2	53	91
ENG-SCD-0625-5-TC	6.25	53	91
ENG-SCD-0630-5-TC	6.3	53	91
ENG-SCD-0635-5-TC	6.35	53	91
ENG-SCD-0640-5-TC	6.4	53	91
ENG-SCD-0645-5-TC	6.45	53	91
ENG-SCD-0650-5-TC	6.5	53	91
ENG-SCD-0655-5-TC	6.55	53	91
ENG-SCD-0660-5-TC	6.6	53	91
ENG-SCD-0665-5-TC	6.65	53	91
ENG-SCD-0670-5-TC	6.7	53	91
ENG-SCD-0675-5-TC	6.75	53	91
ENG-SCD-0680-5-TC	6.8	53	91
ENG-SCD-0685-5-TC	6.85	53	91
ENG-SCD-0690-5-TC	6.9	53	91
ENG-SCD-0695-5-TC	6.95	53	91
ENG-SCD-0700-5-TC	7	53	91
ENG-SCD-0705-5-TC	7.05	53	91
ENG-SCD-0710-5-TC	7.1	53	91
ENG-SCD-0715-5-TC	7.15	53	91
ENG-SCD-0720-5-TC	7.2	53	91
ENG-SCD-0725-5-TC	7.25	53	91
ENG-SCD-0730-5-TC	7.3	53	91
ENG-SCD-0735-5-TC	7.35	53	91
ENG-SCD-0740-5-TC	7.4	53	91
ENG-SCD-0745-5-TC	7.45	53	91
ENG-SCD-0750-5-TC	7.5	53	91
ENG-SCD-0755-5-TC	7.55	53	91

HIGH PERFORMANCE DRILL

STANDARD DRILLS X5D TC



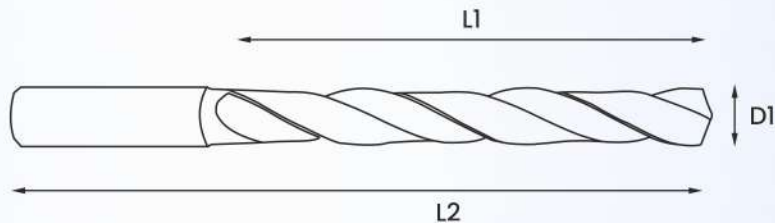
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-5-TC	7.6	53	91
ENG-SCD-0765-5-TC	7.65	53	91
ENG-SCD-0770-5-TC	7.7	53	91
ENG-SCD-0775-5-TC	7.75	53	91
ENG-SCD-0780-5-TC	7.8	53	91
ENG-SCD-0785-5-TC	7.85	53	91
ENG-SCD-0790-5-TC	7.9	53	91
ENG-SCD-0795-5-TC	7.95	53	91
ENG-SCD-0800-5-TC	8	53	91
ENG-SCD-0805-5-TC	8.05	53	91
ENG-SCD-0810-5-TC	8.1	61	103
ENG-SCD-0815-5-TC	8.15	61	103
ENG-SCD-0820-5-TC	8.2	61	103
ENG-SCD-0825-5-TC	8.25	61	103
ENG-SCD-0830-5-TC	8.3	61	103
ENG-SCD-0835-5-TC	8.35	61	103
ENG-SCD-0840-5-TC	8.4	61	103
ENG-SCD-0845-5-TC	8.45	61	103
ENG-SCD-0850-5-TC	8.5	61	103
ENG-SCD-0855-5-TC	8.55	61	103
ENG-SCD-0860-5-TC	8.6	61	103
ENG-SCD-0865-5-TC	8.65	61	103
ENG-SCD-0870-5-TC	8.7	61	103
ENG-SCD-0875-5-TC	8.75	61	103
ENG-SCD-0880-5-TC	8.8	61	103
ENG-SCD-0885-5-TC	8.85	61	103
ENG-SCD-0890-5-TC	8.9	61	103
ENG-SCD-0895-5-TC	8.95	61	103
ENG-SCD-0900-5-TC	9	61	103
ENG-SCD-0905-5-TC	9.05	61	103
ENG-SCD-0910-5-TC	9.1	61	103
ENG-SCD-0915-5-TC	9.15	61	103
ENG-SCD-0920-5-TC	9.2	61	103
ENG-SCD-0925-5-TC	9.25	61	103
ENG-SCD-0930-5-TC	9.3	61	103
ENG-SCD-0935-5-TC	9.35	61	103
ENG-SCD-0940-5-TC	9.4	61	103
ENG-SCD-0945-5-TC	9.45	61	103
ENG-SCD-0950-5-TC	9.5	61	103
ENG-SCD-0955-5-TC	9.55	61	103
ENG-SCD-0960-5-TC	9.6	61	103
ENG-SCD-0965-5-TC	9.65	61	103
ENG-SCD-0970-5-TC	9.7	61	103
ENG-SCD-0975-5-TC	9.75	61	103
ENG-SCD-0980-5-TC	9.8	61	103
ENG-SCD-0985-5-TC	9.85	61	103

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-5-TC	9.9	61	103
ENG-SCD-0995-5-TC	9.95	61	103
ENG-SCD-1000-5-TC	10	61	103
ENG-SCD-1005-5-TC	10.05	61	103
ENG-SCD-1010-5-TC	10.1	71	118
ENG-SCD-1015-5-TC	10.15	71	118
ENG-SCD-1020-5-TC	10.2	71	118
ENG-SCD-1025-5-TC	10.25	71	118
ENG-SCD-1030-5-TC	10.3	71	118
ENG-SCD-1035-5-TC	10.35	71	118
ENG-SCD-1040-5-TC	10.4	71	118
ENG-SCD-1045-5-TC	10.45	71	118
ENG-SCD-1050-5-TC	10.5	71	118
ENG-SCD-1055-5-TC	10.55	71	118
ENG-SCD-1060-5-TC	10.6	71	118
ENG-SCD-1065-5-TC	10.65	71	118
ENG-SCD-1070-5-TC	10.7	71	118
ENG-SCD-1075-5-TC	10.75	71	118
ENG-SCD-1080-5-TC	10.8	71	118
ENG-SCD-1085-5-TC	10.85	71	118
ENG-SCD-1090-5-TC	10.9	71	118
ENG-SCD-1095-5-TC	10.95	71	118
ENG-SCD-1100-5-TC	11	71	118
ENG-SCD-1105-5-TC	11.05	71	118
ENG-SCD-1110-5-TC	11.1	71	118
ENG-SCD-1115-5-TC	11.15	71	118
ENG-SCD-1120-5-TC	11.2	71	118
ENG-SCD-1125-5-TC	11.25	71	118
ENG-SCD-1130-5-TC	11.3	71	118
ENG-SCD-1135-5-TC	11.35	71	118
ENG-SCD-1140-5-TC	11.4	71	118
ENG-SCD-1145-5-TC	11.45	71	118
ENG-SCD-1150-5-TC	11.5	71	118
ENG-SCD-1155-5-TC	11.55	71	118
ENG-SCD-1160-5-TC	11.6	71	118
ENG-SCD-1165-5-TC	11.65	71	118
ENG-SCD-1170-5-TC	11.7	71	118
ENG-SCD-1175-5-TC	11.75	71	118
ENG-SCD-1180-5-TC	11.8	71	118
ENG-SCD-1185-5-TC	11.85	71	118
ENG-SCD-1190-5-TC	11.9	71	118
ENG-SCD-1195-5-TC	11.95	71	118
ENG-SCD-1200-5-TC	12	71	118

HIGH PERFORMANCE DRILL

STANDARD DRILLS X8D TC

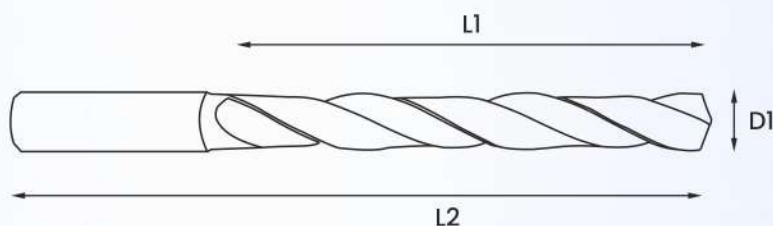


Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-8-TC	3	40	78
ENG-SCD-0305-8-TC	3.05	40	78
ENG-SCD-0310-8-TC	3.1	40	78
ENG-SCD-0315-8-TC	3.15	40	78
ENG-SCD-0320-8-TC	3.2	40	78
ENG-SCD-0325-8-TC	3.25	40	78
ENG-SCD-0330-8-TC	3.3	40	78
ENG-SCD-0335-8-TC	3.35	40	78
ENG-SCD-0340-8-TC	3.4	40	78
ENG-SCD-0345-8-TC	3.45	40	78
ENG-SCD-0350-8-TC	3.5	40	78
ENG-SCD-0355-8-TC	3.55	40	78
ENG-SCD-0360-8-TC	3.6	40	78
ENG-SCD-0365-8-TC	3.65	40	78
ENG-SCD-0370-8-TC	3.7	40	78
ENG-SCD-0375-8-TC	3.75	40	78
ENG-SCD-0380-8-TC	3.8	40	78
ENG-SCD-0385-8-TC	3.85	40	78
ENG-SCD-0390-8-TC	3.9	40	78
ENG-SCD-0395-8-TC	3.95	40	78
ENG-SCD-0400-8-TC	4	49	87
ENG-SCD-0405-8-TC	4.05	49	87
ENG-SCD-0410-8-TC	4.1	49	87
ENG-SCD-0415-8-TC	4.15	49	87
ENG-SCD-0420-8-TC	4.2	49	87
ENG-SCD-0425-8-TC	4.25	49	87
ENG-SCD-0430-8-TC	4.3	49	87
ENG-SCD-0435-8-TC	4.35	49	87
ENG-SCD-0440-8-TC	4.4	49	87
ENG-SCD-0445-8-TC	4.45	49	87
ENG-SCD-0450-8-TC	4.5	49	87
ENG-SCD-0455-8-TC	4.55	49	87
ENG-SCD-0460-8-TC	4.6	49	87
ENG-SCD-0465-8-TC	4.65	49	87
ENG-SCD-0470-8-TC	4.7	49	87
ENG-SCD-0475-8-TC	4.75	49	87
ENG-SCD-0480-8-TC	4.8	49	87
ENG-SCD-0485-8-TC	4.85	49	87
ENG-SCD-0490-8-TC	4.9	49	87
ENG-SCD-0495-8-TC	4.95	49	87
ENG-SCD-0500-8-TC	5	56	94
ENG-SCD-0505-8-TC	5.05	56	94
ENG-SCD-0510-8-TC	5.1	56	94
ENG-SCD-0515-8-TC	5.15	56	94
ENG-SCD-0520-8-TC	5.2	56	94
ENG-SCD-0525-8-TC	5.25	56	94

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-8-TC	5.3	56	94
ENG-SCD-0535-8-TC	5.35	56	94
ENG-SCD-0540-8-TC	5.4	56	94
ENG-SCD-0545-8-TC	5.45	56	94
ENG-SCD-0550-8-TC	5.5	56	94
ENG-SCD-0555-8-TC	5.55	56	94
ENG-SCD-0560-8-TC	5.6	56	94
ENG-SCD-0565-8-TC	5.65	56	94
ENG-SCD-0570-8-TC	5.7	56	94
ENG-SCD-0575-8-TC	5.75	56	94
ENG-SCD-0580-8-TC	5.8	56	94
ENG-SCD-0585-8-TC	5.85	56	94
ENG-SCD-0590-8-TC	5.9	56	94
ENG-SCD-0595-8-TC	5.95	56	94
ENG-SCD-0600-8-TC	6	56	94
ENG-SCD-0605-8-TC	6.05	56	94
ENG-SCD-0610-8-TC	6.1	67	105
ENG-SCD-0615-8-TC	6.15	67	105
ENG-SCD-0620-8-TC	6.2	67	105
ENG-SCD-0625-8-TC	6.25	67	105
ENG-SCD-0630-8-TC	6.3	67	105
ENG-SCD-0635-8-TC	6.35	67	105
ENG-SCD-0640-8-TC	6.4	67	105
ENG-SCD-0645-8-TC	6.45	67	105
ENG-SCD-0650-8-TC	6.5	67	105
ENG-SCD-0655-8-TC	6.55	67	105
ENG-SCD-0660-8-TC	6.6	67	105
ENG-SCD-0665-8-TC	6.65	67	105
ENG-SCD-0670-8-TC	6.7	67	105
ENG-SCD-0675-8-TC	6.75	67	105
ENG-SCD-0680-8-TC	6.8	67	105
ENG-SCD-0685-8-TC	6.85	67	105
ENG-SCD-0690-8-TC	6.9	67	105
ENG-SCD-0695-8-TC	6.95	67	105
ENG-SCD-0700-8-TC	7	67	105
ENG-SCD-0705-8-TC	7.05	67	105
ENG-SCD-0710-8-TC	7.1	74	113
ENG-SCD-0715-8-TC	7.15	74	113
ENG-SCD-0720-8-TC	7.2	74	113
ENG-SCD-0725-8-TC	7.25	74	113
ENG-SCD-0730-8-TC	7.3	74	113
ENG-SCD-0735-8-TC	7.35	74	113
ENG-SCD-0740-8-TC	7.4	74	113
ENG-SCD-0745-8-TC	7.45	74	113
ENG-SCD-0750-8-TC	7.5	74	113
ENG-SCD-0755-8-TC	7.55	74	113

HIGH PERFORMANCE DRILL

STANDARD DRILLS X8D TC



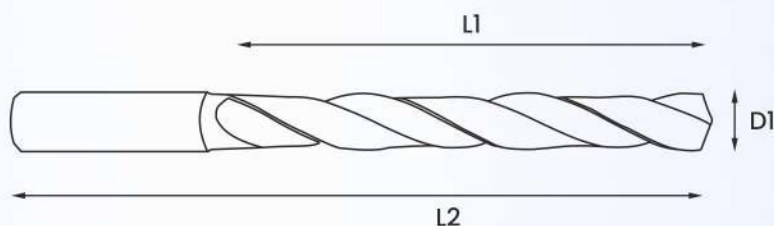
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-8-TC	7.6	74	113
ENG-SCD-0765-8-TC	7.65	74	113
ENG-SCD-0770-8-TC	7.7	74	113
ENG-SCD-0775-8-TC	7.75	74	113
ENG-SCD-0780-8-TC	7.8	74	113
ENG-SCD-0785-8-TC	7.85	74	113
ENG-SCD-0790-8-TC	7.9	74	113
ENG-SCD-0795-8-TC	7.95	74	113
ENG-SCD-0800-8-TC	8	74	113
ENG-SCD-0805-8-TC	8.05	74	113
ENG-SCD-0810-8-TC	8.1	92	135
ENG-SCD-0815-8-TC	8.15	92	135
ENG-SCD-0820-8-TC	8.2	92	135
ENG-SCD-0825-8-TC	8.25	92	135
ENG-SCD-0830-8-TC	8.3	92	135
ENG-SCD-0835-8-TC	8.35	92	135
ENG-SCD-0840-8-TC	8.4	92	135
ENG-SCD-0845-8-TC	8.45	92	135
ENG-SCD-0850-8-TC	8.5	92	135
ENG-SCD-0855-8-TC	8.55	92	135
ENG-SCD-0860-8-TC	8.6	92	135
ENG-SCD-0865-8-TC	8.65	92	135
ENG-SCD-0870-8-TC	8.7	92	135
ENG-SCD-0875-8-TC	8.75	92	135
ENG-SCD-0880-8-TC	8.8	92	135
ENG-SCD-0885-8-TC	8.85	92	135
ENG-SCD-0890-8-TC	8.9	92	135
ENG-SCD-0895-8-TC	8.95	92	135
ENG-SCD-0900-8-TC	9	92	135
ENG-SCD-0905-8-TC	9.05	92	135
ENG-SCD-0910-8-TC	9.1	92	135
ENG-SCD-0915-8-TC	9.15	92	135
ENG-SCD-0920-8-TC	9.2	92	135
ENG-SCD-0925-8-TC	9.25	92	135
ENG-SCD-0930-8-TC	9.3	92	135
ENG-SCD-0935-8-TC	9.35	92	135
ENG-SCD-0940-8-TC	9.4	92	135
ENG-SCD-0945-8-TC	9.45	92	135
ENG-SCD-0950-8-TC	9.5	92	135
ENG-SCD-0955-8-TC	9.55	92	135
ENG-SCD-0960-8-TC	9.6	92	135
ENG-SCD-0965-8-TC	9.65	92	135
ENG-SCD-0970-8-TC	9.7	92	135
ENG-SCD-0975-8-TC	9.75	92	135
ENG-SCD-0980-8-TC	9.8	92	135
ENG-SCD-0985-8-TC	9.85	92	135

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-8-TC	9.9	92	135
ENG-SCD-0995-8-TC	9.95	92	135
ENG-SCD-1000-8-TC	10	92	135
ENG-SCD-1005-8-TC	10.05	92	135
ENG-SCD-1010-8-TC	10.1	110	158
ENG-SCD-1015-8-TC	10.15	110	158
ENG-SCD-1020-8-TC	10.2	110	158
ENG-SCD-1025-8-TC	10.25	110	158
ENG-SCD-1030-8-TC	10.3	110	158
ENG-SCD-1035-8-TC	10.35	110	158
ENG-SCD-1040-8-TC	10.4	110	158
ENG-SCD-1045-8-TC	10.45	110	158
ENG-SCD-1050-8-TC	10.5	110	158
ENG-SCD-1055-8-TC	10.55	110	158
ENG-SCD-1060-8-TC	10.6	110	158
ENG-SCD-1065-8-TC	10.65	110	158
ENG-SCD-1070-8-TC	10.7	110	158
ENG-SCD-1075-8-TC	10.75	110	158
ENG-SCD-1080-8-TC	10.8	110	158
ENG-SCD-1085-8-TC	10.85	110	158
ENG-SCD-1090-8-TC	10.9	110	158
ENG-SCD-1095-8-TC	10.95	110	158
ENG-SCD-1100-8-TC	11	110	158
ENG-SCD-1105-8-TC	11.05	110	158
ENG-SCD-1110-8-TC	11.1	110	158
ENG-SCD-1115-8-TC	11.15	110	158
ENG-SCD-1120-8-TC	11.2	110	158
ENG-SCD-1125-8-TC	11.25	110	158
ENG-SCD-1130-8-TC	11.3	110	158
ENG-SCD-1135-8-TC	11.35	110	158
ENG-SCD-1140-8-TC	11.4	110	158
ENG-SCD-1145-8-TC	11.45	110	158
ENG-SCD-1150-8-TC	11.5	110	158
ENG-SCD-1155-8-TC	11.55	110	158
ENG-SCD-1160-8-TC	11.6	110	158
ENG-SCD-1165-8-TC	11.65	110	158
ENG-SCD-1170-8-TC	11.7	110	158
ENG-SCD-1175-8-TC	11.75	110	158
ENG-SCD-1180-8-TC	11.8	110	158
ENG-SCD-1185-8-TC	11.85	110	158
ENG-SCD-1190-8-TC	11.9	110	158
ENG-SCD-1195-8-TC	11.95	110	158
ENG-SCD-1200-8-TC	12	110	158

HIGH PERFORMANCE DRILL

STANDARD DRILLS X12D TC



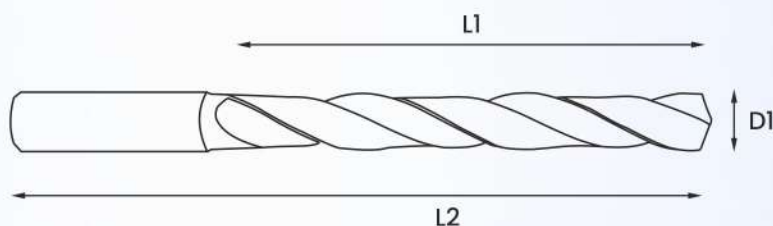
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-12-TC	3	52	93
ENG-SCD-0305-12-TC	3.05	52	93
ENG-SCD-0310-12-TC	3.1	52	93
ENG-SCD-0315-12-TC	3.15	52	93
ENG-SCD-0320-12-TC	3.2	52	93
ENG-SCD-0325-12-TC	3.25	52	93
ENG-SCD-0330-12-TC	3.3	52	93
ENG-SCD-0335-12-TC	3.35	52	93
ENG-SCD-0340-12-TC	3.4	52	93
ENG-SCD-0345-12-TC	3.45	52	93
ENG-SCD-0350-12-TC	3.5	52	93
ENG-SCD-0355-12-TC	3.55	52	93
ENG-SCD-0360-12-TC	3.6	52	93
ENG-SCD-0365-12-TC	3.65	52	93
ENG-SCD-0370-12-TC	3.7	52	93
ENG-SCD-0375-12-TC	3.75	52	93
ENG-SCD-0380-12-TC	3.8	52	93
ENG-SCD-0385-12-TC	3.85	52	93
ENG-SCD-0390-12-TC	3.9	52	93
ENG-SCD-0395-12-TC	3.95	66	107
ENG-SCD-0400-12-TC	4	66	107
ENG-SCD-0405-12-TC	4.05	66	107
ENG-SCD-0410-12-TC	4.1	66	107
ENG-SCD-0415-12-TC	4.15	66	107
ENG-SCD-0420-12-TC	4.2	66	107
ENG-SCD-0425-12-TC	4.25	66	107
ENG-SCD-0430-12-TC	4.3	66	107
ENG-SCD-0435-12-TC	4.35	66	107
ENG-SCD-0440-12-TC	4.4	66	107
ENG-SCD-0445-12-TC	4.45	66	107
ENG-SCD-0450-12-TC	4.5	66	107
ENG-SCD-0455-12-TC	4.55	66	107
ENG-SCD-0460-12-TC	4.6	66	107
ENG-SCD-0465-12-TC	4.65	66	107
ENG-SCD-0470-12-TC	4.7	66	107
ENG-SCD-0475-12-TC	4.75	66	107
ENG-SCD-0480-12-TC	4.8	66	107
ENG-SCD-0485-12-TC	4.85	66	107
ENG-SCD-0490-12-TC	4.9	66	107
ENG-SCD-0495-12-TC	4.95	66	107
ENG-SCD-0500-12-TC	5	70	125
ENG-SCD-0505-12-TC	5.05	70	125
ENG-SCD-0510-12-TC	5.1	70	125
ENG-SCD-0515-12-TC	5.15	70	125
ENG-SCD-0520-12-TC	5.2	70	125
ENG-SCD-0525-12-TC	5.25	70	125

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-12-TC	5.3	70	125
ENG-SCD-0535-12-TC	5.35	70	125
ENG-SCD-0540-12-TC	5.4	70	125
ENG-SCD-0545-12-TC	5.45	70	125
ENG-SCD-0550-12-TC	5.5	70	125
ENG-SCD-0555-12-TC	5.55	70	125
ENG-SCD-0560-12-TC	5.6	83	125
ENG-SCD-0565-12-TC	5.65	83	125
ENG-SCD-0570-12-TC	5.7	83	125
ENG-SCD-0575-12-TC	5.75	83	125
ENG-SCD-0580-12-TC	5.8	83	125
ENG-SCD-0585-12-TC	5.85	83	125
ENG-SCD-0590-12-TC	5.9	83	125
ENG-SCD-0595-12-TC	5.95	83	125
ENG-SCD-0600-12-TC	6	83	125
ENG-SCD-0605-12-TC	6.05	83	125
ENG-SCD-0610-12-TC	6.1	97	139
ENG-SCD-0615-12-TC	6.15	97	139
ENG-SCD-0620-12-TC	6.2	97	139
ENG-SCD-0625-12-TC	6.25	97	139
ENG-SCD-0630-12-TC	6.3	97	139
ENG-SCD-0635-12-TC	6.35	97	139
ENG-SCD-0640-12-TC	6.4	97	139
ENG-SCD-0645-12-TC	6.45	97	139
ENG-SCD-0650-12-TC	6.5	97	139
ENG-SCD-0655-12-TC	6.55	97	139
ENG-SCD-0660-12-TC	6.6	97	139
ENG-SCD-0665-12-TC	6.65	97	139
ENG-SCD-0670-12-TC	6.7	97	139
ENG-SCD-0675-12-TC	6.75	97	139
ENG-SCD-0680-12-TC	6.8	97	139
ENG-SCD-0685-12-TC	6.85	97	139
ENG-SCD-0690-12-TC	6.9	97	139
ENG-SCD-0695-12-TC	6.95	97	139
ENG-SCD-0700-12-TC	7	97	139
ENG-SCD-0705-12-TC	7.05	97	139
ENG-SCD-0710-12-TC	7.1	111	153
ENG-SCD-0715-12-TC	7.15	111	153
ENG-SCD-0720-12-TC	7.2	111	153
ENG-SCD-0725-12-TC	7.25	111	153
ENG-SCD-0730-12-TC	7.3	111	153
ENG-SCD-0735-12-TC	7.35	111	153
ENG-SCD-0740-12-TC	7.4	111	153
ENG-SCD-0745-12-TC	7.45	111	153
ENG-SCD-0750-12-TC	7.5	111	153
ENG-SCD-0755-12-TC	7.55	111	153

HIGH PERFORMANCE DRILL

STANDARD DRILLS X12D TC



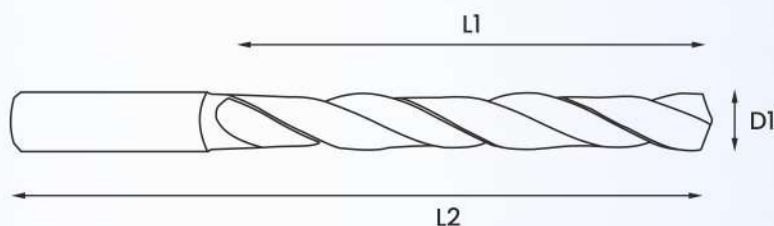
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-12-TC	7.6	111	153
ENG-SCD-0765-12-TC	7.65	111	153
ENG-SCD-0770-12-TC	7.7	111	153
ENG-SCD-0775-12-TC	7.75	111	153
ENG-SCD-0780-12-TC	7.8	111	153
ENG-SCD-0785-12-TC	7.85	111	153
ENG-SCD-0790-12-TC	7.9	111	153
ENG-SCD-0795-12-TC	7.95	111	153
ENG-SCD-0800-12-TC	8	111	153
ENG-SCD-0805-12-TC	8.05	111	153
ENG-SCD-0810-12-TC	8.1	136	185
ENG-SCD-0815-12-TC	8.15	136	185
ENG-SCD-0820-12-TC	8.2	136	185
ENG-SCD-0825-12-TC	8.25	136	185
ENG-SCD-0830-12-TC	8.3	136	185
ENG-SCD-0835-12-TC	8.35	136	185
ENG-SCD-0840-12-TC	8.4	136	185
ENG-SCD-0845-12-TC	8.45	136	185
ENG-SCD-0850-12-TC	8.5	136	185
ENG-SCD-0855-12-TC	8.55	136	185
ENG-SCD-0860-12-TC	8.6	136	185
ENG-SCD-0865-12-TC	8.65	136	185
ENG-SCD-0870-12-TC	8.7	136	185
ENG-SCD-0875-12-TC	8.75	136	185
ENG-SCD-0880-12-TC	8.8	136	185
ENG-SCD-0885-12-TC	8.85	136	185
ENG-SCD-0890-12-TC	8.9	136	185
ENG-SCD-0895-12-TC	8.95	136	185
ENG-SCD-0900-12-TC	9	136	185
ENG-SCD-0905-12-TC	9.05	136	185
ENG-SCD-0910-12-TC	9.1	136	185
ENG-SCD-0915-12-TC	9.15	136	185
ENG-SCD-0920-12-TC	9.2	136	185
ENG-SCD-0925-12-TC	9.25	136	185
ENG-SCD-0930-12-TC	9.3	136	185
ENG-SCD-0935-12-TC	9.35	136	185
ENG-SCD-0940-12-TC	9.4	136	185
ENG-SCD-0945-12-TC	9.45	136	185
ENG-SCD-0950-12-TC	9.5	136	185
ENG-SCD-0955-12-TC	9.55	136	185
ENG-SCD-0960-12-TC	9.6	136	185
ENG-SCD-0965-12-TC	9.65	136	185
ENG-SCD-0970-12-TC	9.7	136	185
ENG-SCD-0975-12-TC	9.75	136	185
ENG-SCD-0980-12-TC	9.8	136	185
ENG-SCD-0985-12-TC	9.85	136	185

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-12-TC	9.9	136	185
ENG-SCD-0995-12-TC	9.95	136	185
ENG-SCD-1000-12-TC	10	136	185
ENG-SCD-1005-12-TC	10.05	136	185
ENG-SCD-1010-12-TC	10.1	164	218
ENG-SCD-1015-12-TC	10.15	164	218
ENG-SCD-1020-12-TC	10.2	164	218
ENG-SCD-1025-12-TC	10.25	164	218
ENG-SCD-1030-12-TC	10.3	164	218
ENG-SCD-1035-12-TC	10.35	164	218
ENG-SCD-1040-12-TC	10.4	164	218
ENG-SCD-1045-12-TC	10.45	164	218
ENG-SCD-1050-12-TC	10.5	164	218
ENG-SCD-1055-12-TC	10.55	164	218
ENG-SCD-1060-12-TC	10.6	164	218
ENG-SCD-1065-12-TC	10.65	164	218
ENG-SCD-1070-12-TC	10.7	164	218
ENG-SCD-1075-12-TC	10.75	164	218
ENG-SCD-1080-12-TC	10.8	164	218
ENG-SCD-1085-12-TC	10.85	164	218
ENG-SCD-1090-12-TC	10.9	164	218
ENG-SCD-1095-12-TC	10.95	164	218
ENG-SCD-1100-12-TC	11	164	218
ENG-SCD-1105-12-TC	11.05	164	218
ENG-SCD-1110-12-TC	11.1	164	218
ENG-SCD-1115-12-TC	11.15	164	218
ENG-SCD-1120-12-TC	11.2	164	218
ENG-SCD-1125-12-TC	11.25	164	218
ENG-SCD-1130-12-TC	11.3	164	218
ENG-SCD-1135-12-TC	11.35	164	218
ENG-SCD-1140-12-TC	11.4	164	218
ENG-SCD-1145-12-TC	11.45	164	218
ENG-SCD-1150-12-TC	11.5	164	218
ENG-SCD-1155-12-TC	11.55	164	218
ENG-SCD-1160-12-TC	11.6	164	218
ENG-SCD-1165-12-TC	11.65	164	218
ENG-SCD-1170-12-TC	11.7	164	218
ENG-SCD-1175-12-TC	11.75	164	218
ENG-SCD-1180-12-TC	11.8	164	218
ENG-SCD-1185-12-TC	11.85	164	218
ENG-SCD-1190-12-TC	11.9	164	218
ENG-SCD-1195-12-TC	11.95	164	218
ENG-SCD-1200-12-TC	12	164	218

HIGH PERFORMANCE DRILL

STANDARD DRILLS X16D TC



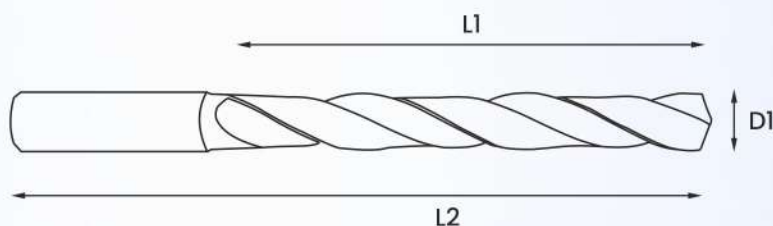
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-16-TC	3	60	108
ENG-SCD-0305-16-TC	3.05	60	108
ENG-SCD-0310-16-TC	3.1	60	108
ENG-SCD-0315-16-TC	3.15	60	108
ENG-SCD-0320-16-TC	3.2	60	108
ENG-SCD-0325-16-TC	3.25	60	108
ENG-SCD-0330-16-TC	3.3	60	108
ENG-SCD-0335-16-TC	3.35	60	108
ENG-SCD-0340-16-TC	3.4	60	108
ENG-SCD-0345-16-TC	3.45	60	108
ENG-SCD-0350-16-TC	3.5	60	108
ENG-SCD-0355-16-TC	3.55	60	108
ENG-SCD-0360-16-TC	3.6	60	108
ENG-SCD-0365-16-TC	3.65	60	108
ENG-SCD-0370-16-TC	3.7	60	108
ENG-SCD-0375-16-TC	3.75	60	108
ENG-SCD-0380-16-TC	3.8	71	112
ENG-SCD-0385-16-TC	3.85	71	112
ENG-SCD-0390-16-TC	3.9	71	112
ENG-SCD-0395-16-TC	3.95	78	120
ENG-SCD-0400-16-TC	4	78	120
ENG-SCD-0405-16-TC	4.05	78	120
ENG-SCD-0410-16-TC	4.1	78	120
ENG-SCD-0415-16-TC	4.15	78	120
ENG-SCD-0420-16-TC	4.2	88	135
ENG-SCD-0425-16-TC	4.25	88	135
ENG-SCD-0430-16-TC	4.3	88	135
ENG-SCD-0435-16-TC	4.35	88	135
ENG-SCD-0440-16-TC	4.4	88	135
ENG-SCD-0445-16-TC	4.45	88	135
ENG-SCD-0450-16-TC	4.5	88	135
ENG-SCD-0455-16-TC	4.55	88	135
ENG-SCD-0460-16-TC	4.6	88	135
ENG-SCD-0465-16-TC	4.65	88	135
ENG-SCD-0470-16-TC	4.7	93	135
ENG-SCD-0475-16-TC	4.75	93	135
ENG-SCD-0480-16-TC	4.8	93	135
ENG-SCD-0485-16-TC	4.85	93	135
ENG-SCD-0490-16-TC	4.9	93	135
ENG-SCD-0495-16-TC	4.95	93	135
ENG-SCD-0500-16-TC	5	102	145
ENG-SCD-0505-16-TC	5.05	102	145
ENG-SCD-0510-16-TC	5.1	102	145
ENG-SCD-0515-16-TC	5.15	102	145
ENG-SCD-0520-16-TC	5.2	102	145
ENG-SCD-0525-16-TC	5.25	102	145

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-16-TC	5.3	102	145
ENG-SCD-0535-16-TC	5.35	102	145
ENG-SCD-0540-16-TC	5.4	102	145
ENG-SCD-0545-16-TC	5.45	102	145
ENG-SCD-0550-16-TC	5.5	111	155
ENG-SCD-0555-16-TC	5.55	111	155
ENG-SCD-0560-16-TC	5.6	111	155
ENG-SCD-0565-16-TC	5.65	111	155
ENG-SCD-0570-16-TC	5.7	111	155
ENG-SCD-0575-16-TC	5.75	111	155
ENG-SCD-0580-16-TC	5.8	111	155
ENG-SCD-0585-16-TC	5.85	111	155
ENG-SCD-0590-16-TC	5.9	111	155
ENG-SCD-0595-16-TC	5.95	111	155
ENG-SCD-0600-16-TC	6	111	155
ENG-SCD-0605-16-TC	6.05	111	155
ENG-SCD-0610-16-TC	6.1	118	162
ENG-SCD-0615-16-TC	6.15	118	162
ENG-SCD-0620-16-TC	6.2	118	162
ENG-SCD-0625-16-TC	6.25	118	162
ENG-SCD-0630-16-TC	6.3	118	162
ENG-SCD-0635-16-TC	6.35	118	162
ENG-SCD-0640-16-TC	6.4	118	162
ENG-SCD-0645-16-TC	6.45	118	162
ENG-SCD-0650-16-TC	6.5	128	175
ENG-SCD-0655-16-TC	6.55	128	175
ENG-SCD-0660-16-TC	6.6	128	175
ENG-SCD-0665-16-TC	6.65	128	175
ENG-SCD-0670-16-TC	6.7	128	175
ENG-SCD-0675-16-TC	6.75	128	175
ENG-SCD-0680-16-TC	6.8	128	175
ENG-SCD-0685-16-TC	6.85	128	175
ENG-SCD-0690-16-TC	6.9	128	175
ENG-SCD-0695-16-TC	6.95	128	175
ENG-SCD-0700-16-TC	7	128	175
ENG-SCD-0705-16-TC	7.05	128	175
ENG-SCD-0710-16-TC	7.1	145	195
ENG-SCD-0715-16-TC	7.15	145	195
ENG-SCD-0720-16-TC	7.2	145	195
ENG-SCD-0725-16-TC	7.25	145	195
ENG-SCD-0730-16-TC	7.3	145	195
ENG-SCD-0735-16-TC	7.35	145	195
ENG-SCD-0740-16-TC	7.4	145	195
ENG-SCD-0745-16-TC	7.45	145	195
ENG-SCD-0750-16-TC	7.5	145	195
ENG-SCD-0755-16-TC	7.55	145	195

HIGH PERFORMANCE DRILL

STANDARD DRILLS X16D TC



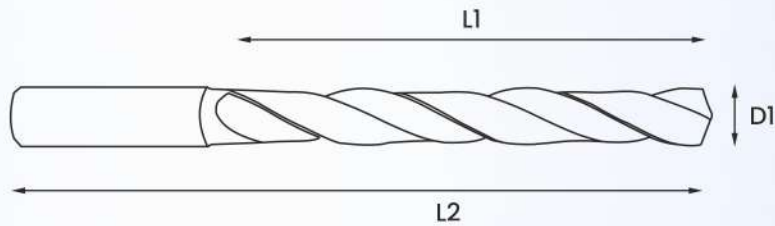
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-16-TC	7.6	145	195
ENG-SCD-0765-16-TC	7.65	145	195
ENG-SCD-0770-16-TC	7.7	145	195
ENG-SCD-0775-16-TC	7.75	145	195
ENG-SCD-0780-16-TC	7.8	145	195
ENG-SCD-0785-16-TC	7.85	145	195
ENG-SCD-0790-16-TC	7.9	145	195
ENG-SCD-0795-16-TC	7.95	145	195
ENG-SCD-0800-16-TC	8	145	195
ENG-SCD-0805-16-TC	8.05	145	195
ENG-SCD-0810-16-TC	8.1	165	225
ENG-SCD-0815-16-TC	8.15	165	225
ENG-SCD-0820-16-TC	8.2	165	225
ENG-SCD-0825-16-TC	8.25	165	225
ENG-SCD-0830-16-TC	8.3	165	225
ENG-SCD-0835-16-TC	8.35	165	225
ENG-SCD-0840-16-TC	8.4	165	225
ENG-SCD-0845-16-TC	8.45	165	225
ENG-SCD-0850-16-TC	8.5	165	225
ENG-SCD-0855-16-TC	8.55	165	225
ENG-SCD-0860-16-TC	8.6	165	225
ENG-SCD-0865-16-TC	8.65	165	225
ENG-SCD-0870-16-TC	8.7	165	225
ENG-SCD-0875-16-TC	8.75	165	225
ENG-SCD-0880-16-TC	8.8	183	240
ENG-SCD-0885-16-TC	8.85	183	240
ENG-SCD-0890-16-TC	8.9	183	240
ENG-SCD-0895-16-TC	8.95	183	240
ENG-SCD-0900-16-TC	9	183	240
ENG-SCD-0905-16-TC	9.05	183	240
ENG-SCD-0910-16-TC	9.1	183	240
ENG-SCD-0915-16-TC	9.15	183	240
ENG-SCD-0920-16-TC	9.2	183	240
ENG-SCD-0925-16-TC	9.25	183	240
ENG-SCD-0930-16-TC	9.3	183	240
ENG-SCD-0935-16-TC	9.35	183	240
ENG-SCD-0940-16-TC	9.4	183	240
ENG-SCD-0945-16-TC	9.45	183	240
ENG-SCD-0950-16-TC	9.5	183	240
ENG-SCD-0955-16-TC	9.55	183	240
ENG-SCD-0960-16-TC	9.6	183	240
ENG-SCD-0965-16-TC	9.65	183	240
ENG-SCD-0970-16-TC	9.7	183	240
ENG-SCD-0975-16-TC	9.75	183	240
ENG-SCD-0980-16-TC	9.8	183	240
ENG-SCD-0985-16-TC	9.85	183	240

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-16-TC	9.9	183	240
ENG-SCD-0995-16-TC	9.95	183	240
ENG-SCD-1000-16-TC	10	183	240
ENG-SCD-1005-16-TC	10.05	183	240
ENG-SCD-1010-16-TC	10.1	216	270
ENG-SCD-1015-16-TC	10.15	216	270
ENG-SCD-1020-16-TC	10.2	216	270
ENG-SCD-1025-16-TC	10.25	216	270
ENG-SCD-1030-16-TC	10.3	216	270
ENG-SCD-1035-16-TC	10.35	216	270
ENG-SCD-1040-16-TC	10.4	216	270
ENG-SCD-1045-16-TC	10.45	216	270
ENG-SCD-1050-16-TC	10.5	216	270
ENG-SCD-1055-16-TC	10.55	216	270
ENG-SCD-1060-16-TC	10.6	216	270
ENG-SCD-1065-16-TC	10.65	216	270
ENG-SCD-1070-16-TC	10.7	216	270
ENG-SCD-1075-16-TC	10.75	216	270
ENG-SCD-1080-16-TC	10.8	216	270
ENG-SCD-1085-16-TC	10.85	216	270
ENG-SCD-1090-16-TC	10.9	216	270
ENG-SCD-1095-16-TC	10.95	216	270
ENG-SCD-1100-16-TC	11	216	270
ENG-SCD-1105-16-TC	11.05	216	270
ENG-SCD-1110-16-TC	11.1	216	270
ENG-SCD-1115-16-TC	11.15	216	270
ENG-SCD-1120-16-TC	11.2	216	270
ENG-SCD-1125-16-TC	11.25	216	270
ENG-SCD-1130-16-TC	11.3	216	270
ENG-SCD-1135-16-TC	11.35	216	270
ENG-SCD-1140-16-TC	11.4	216	270
ENG-SCD-1145-16-TC	11.45	216	270
ENG-SCD-1150-16-TC	11.5	216	270
ENG-SCD-1155-16-TC	11.55	216	270
ENG-SCD-1160-16-TC	11.6	216	270
ENG-SCD-1165-16-TC	11.65	216	270
ENG-SCD-1170-16-TC	11.7	216	270
ENG-SCD-1175-16-TC	11.75	216	270
ENG-SCD-1180-16-TC	11.8	216	270
ENG-SCD-1185-16-TC	11.85	216	270
ENG-SCD-1190-16-TC	11.9	216	270
ENG-SCD-1195-16-TC	11.95	216	270
ENG-SCD-1200-16-TC	12	216	270

HIGH PERFORMANCE DRILL

STANDARD DRILLS X20D TC

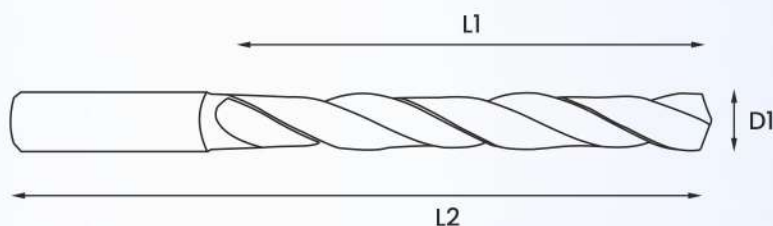


Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0300-20-TC	3	80	120
ENG-SCD-0305-20-TC	3.05	80	120
ENG-SCD-0310-20-TC	3.1	80	120
ENG-SCD-0315-20-TC	3.15	80	120
ENG-SCD-0320-20-TC	3.2	80	120
ENG-SCD-0325-20-TC	3.25	80	120
ENG-SCD-0330-20-TC	3.3	80	120
ENG-SCD-0335-20-TC	3.35	80	120
ENG-SCD-0340-20-TC	3.4	80	120
ENG-SCD-0345-20-TC	3.45	80	120
ENG-SCD-0350-20-TC	3.5	80	120
ENG-SCD-0355-20-TC	3.55	80	120
ENG-SCD-0360-20-TC	3.6	80	120
ENG-SCD-0365-20-TC	3.65	80	120
ENG-SCD-0370-20-TC	3.7	80	120
ENG-SCD-0375-20-TC	3.75	80	120
ENG-SCD-0380-20-TC	3.8	90	130
ENG-SCD-0385-20-TC	3.85	90	130
ENG-SCD-0390-20-TC	3.9	90	130
ENG-SCD-0395-20-TC	3.95	90	130
ENG-SCD-0400-20-TC	4	90	130
ENG-SCD-0405-20-TC	4.05	90	130
ENG-SCD-0410-20-TC	4.1	90	130
ENG-SCD-0415-20-TC	4.15	90	130
ENG-SCD-0420-20-TC	4.2	110	160
ENG-SCD-0425-20-TC	4.25	110	160
ENG-SCD-0430-20-TC	4.3	110	160
ENG-SCD-0435-20-TC	4.35	110	160
ENG-SCD-0440-20-TC	4.4	110	160
ENG-SCD-0445-20-TC	4.45	110	160
ENG-SCD-0450-20-TC	4.5	110	160
ENG-SCD-0455-20-TC	4.55	110	160
ENG-SCD-0460-20-TC	4.6	110	160
ENG-SCD-0465-20-TC	4.65	110	160
ENG-SCD-0470-20-TC	4.7	120	160
ENG-SCD-0475-20-TC	4.75	120	160
ENG-SCD-0480-20-TC	4.8	120	160
ENG-SCD-0485-20-TC	4.85	120	160
ENG-SCD-0490-20-TC	4.9	120	160
ENG-SCD-0495-20-TC	4.95	120	160
ENG-SCD-0500-20-TC	5	120	160
ENG-SCD-0505-20-TC	5.05	120	160
ENG-SCD-0510-20-TC	5.1	120	160
ENG-SCD-0515-20-TC	5.15	120	160
ENG-SCD-0520-20-TC	5.2	120	160
ENG-SCD-0525-20-TC	5.25	120	160

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0530-20-TC	5.3	120	160
ENG-SCD-0535-20-TC	5.35	120	160
ENG-SCD-0540-20-TC	5.4	120	160
ENG-SCD-0545-20-TC	5.45	120	160
ENG-SCD-0550-20-TC	5.5	140	185
ENG-SCD-0555-20-TC	5.55	140	185
ENG-SCD-0560-20-TC	5.6	140	185
ENG-SCD-0565-20-TC	5.65	140	185
ENG-SCD-0570-20-TC	5.7	140	185
ENG-SCD-0575-20-TC	5.75	140	185
ENG-SCD-0580-20-TC	5.8	140	185
ENG-SCD-0585-20-TC	5.85	140	185
ENG-SCD-0590-20-TC	5.9	140	185
ENG-SCD-0595-20-TC	5.95	140	185
ENG-SCD-0600-20-TC	6	140	185
ENG-SCD-0605-20-TC	6.05	140	185
ENG-SCD-0610-20-TC	6.1	140	185
ENG-SCD-0615-20-TC	6.15	140	185
ENG-SCD-0620-20-TC	6.2	140	185
ENG-SCD-0625-20-TC	6.25	140	185
ENG-SCD-0630-20-TC	6.3	140	185
ENG-SCD-0635-20-TC	6.35	140	185
ENG-SCD-0640-20-TC	6.4	140	185
ENG-SCD-0645-20-TC	6.45	140	185
ENG-SCD-0650-20-TC	6.5	160	210
ENG-SCD-0655-20-TC	6.55	160	210
ENG-SCD-0660-20-TC	6.6	160	210
ENG-SCD-0665-20-TC	6.65	160	210
ENG-SCD-0670-20-TC	6.7	160	210
ENG-SCD-0675-20-TC	6.75	160	210
ENG-SCD-0680-20-TC	6.8	160	210
ENG-SCD-0685-20-TC	6.85	160	210
ENG-SCD-0690-20-TC	6.9	160	210
ENG-SCD-0695-20-TC	6.95	160	210
ENG-SCD-0700-20-TC	7	160	210
ENG-SCD-0705-20-TC	7.05	180	230
ENG-SCD-0710-20-TC	7.1	180	230
ENG-SCD-0715-20-TC	7.15	180	230
ENG-SCD-0720-20-TC	7.2	180	230
ENG-SCD-0725-20-TC	7.25	180	230
ENG-SCD-0730-20-TC	7.3	180	230
ENG-SCD-0735-20-TC	7.35	180	230
ENG-SCD-0740-20-TC	7.4	180	230
ENG-SCD-0745-20-TC	7.45	180	230
ENG-SCD-0750-20-TC	7.5	180	230
ENG-SCD-0755-20-TC	7.55	180	230

HIGH PERFORMANCE DRILL

STANDARD DRILLS X20D TC



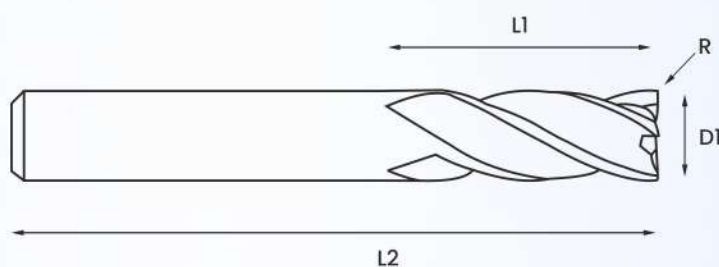
SOLID CARBIDE DRILL

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0760-20-TC	7.6	180	230
ENG-SCD-0765-20-TC	7.65	180	230
ENG-SCD-0770-20-TC	7.7	180	230
ENG-SCD-0775-20-TC	7.75	180	230
ENG-SCD-0780-20-TC	7.8	180	230
ENG-SCD-0785-20-TC	7.85	180	230
ENG-SCD-0790-20-TC	7.9	180	230
ENG-SCD-0795-20-TC	7.95	180	230
ENG-SCD-0800-20-TC	8	180	230
ENG-SCD-0805-20-TC	8.05	180	230
ENG-SCD-0810-20-TC	8.1	195	260
ENG-SCD-0815-20-TC	8.15	195	260
ENG-SCD-0820-20-TC	8.2	195	260
ENG-SCD-0825-20-TC	8.25	195	260
ENG-SCD-0830-20-TC	8.3	195	260
ENG-SCD-0835-20-TC	8.35	195	260
ENG-SCD-0840-20-TC	8.4	195	260
ENG-SCD-0845-20-TC	8.45	195	260
ENG-SCD-0850-20-TC	8.5	195	260
ENG-SCD-0855-20-TC	8.55	195	260
ENG-SCD-0860-20-TC	8.6	195	260
ENG-SCD-0865-20-TC	8.65	195	260
ENG-SCD-0870-20-TC	8.7	195	260
ENG-SCD-0875-20-TC	8.75	195	260
ENG-SCD-0880-20-TC	8.8	230	290
ENG-SCD-0885-20-TC	8.85	230	290
ENG-SCD-0890-20-TC	8.9	230	290
ENG-SCD-0895-20-TC	8.95	230	290
ENG-SCD-0900-20-TC	9	230	290
ENG-SCD-0905-20-TC	9.05	230	290
ENG-SCD-0910-20-TC	9.1	230	290
ENG-SCD-0915-20-TC	9.15	230	290
ENG-SCD-0920-20-TC	9.2	230	290
ENG-SCD-0925-20-TC	9.25	230	290
ENG-SCD-0930-20-TC	9.3	230	290
ENG-SCD-0935-20-TC	9.35	230	290
ENG-SCD-0940-20-TC	9.4	230	290
ENG-SCD-0945-20-TC	9.45	230	290
ENG-SCD-0950-20-TC	9.5	230	290
ENG-SCD-0955-20-TC	9.55	230	290
ENG-SCD-0960-20-TC	9.6	230	290
ENG-SCD-0965-20-TC	9.65	230	290
ENG-SCD-0970-20-TC	9.7	230	290
ENG-SCD-0975-20-TC	9.75	230	290
ENG-SCD-0980-20-TC	9.8	230	290
ENG-SCD-0985-20-TC	9.85	230	290

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-SCD-0990-20-TC	9.9	230	290
ENG-SCD-0995-20-TC	9.95	230	290
ENG-SCD-1000-20-TC	10	230	290
ENG-SCD-1005-20-TC	10.05	268	315
ENG-SCD-1010-20-TC	10.1	268	315
ENG-SCD-1015-20-TC	10.15	268	315
ENG-SCD-1020-20-TC	10.2	268	315
ENG-SCD-1025-20-TC	10.25	268	315
ENG-SCD-1030-20-TC	10.3	268	315
ENG-SCD-1035-20-TC	10.35	268	315
ENG-SCD-1040-20-TC	10.4	268	315
ENG-SCD-1045-20-TC	10.45	268	315
ENG-SCD-1050-20-TC	10.5	268	315
ENG-SCD-1055-20-TC	10.55	268	315
ENG-SCD-1060-20-TC	10.6	268	315
ENG-SCD-1065-20-TC	10.65	268	315
ENG-SCD-1070-20-TC	10.7	268	315
ENG-SCD-1075-20-TC	10.75	268	315
ENG-SCD-1080-20-TC	10.8	268	315
ENG-SCD-1085-20-TC	10.85	268	315
ENG-SCD-1090-20-TC	10.9	268	315
ENG-SCD-1095-20-TC	10.95	268	315
ENG-SCD-1100-20-TC	11	268	315
ENG-SCD-1105-20-TC	11.05	268	315
ENG-SCD-1110-20-TC	11.1	268	315
ENG-SCD-1115-20-TC	11.15	268	315
ENG-SCD-1120-20-TC	11.2	268	315
ENG-SCD-1125-20-TC	11.25	268	315
ENG-SCD-1130-20-TC	11.3	268	315
ENG-SCD-1135-20-TC	11.35	268	315
ENG-SCD-1140-20-TC	11.4	268	315
ENG-SCD-1145-20-TC	11.45	268	315
ENG-SCD-1150-20-TC	11.5	268	315
ENG-SCD-1155-20-TC	11.55	268	315
ENG-SCD-1160-20-TC	11.6	268	315
ENG-SCD-1165-20-TC	11.65	268	315
ENG-SCD-1170-20-TC	11.7	268	315
ENG-SCD-1175-20-TC	11.75	268	315
ENG-SCD-1180-20-TC	11.8	268	315
ENG-SCD-1185-20-TC	11.85	268	315
ENG-SCD-1190-20-TC	11.9	268	315
ENG-SCD-1195-20-TC	11.95	268	315
ENG-SCD-1200-20-TC	12	268	315

HIGH PERFORMANCE ENDMILLS

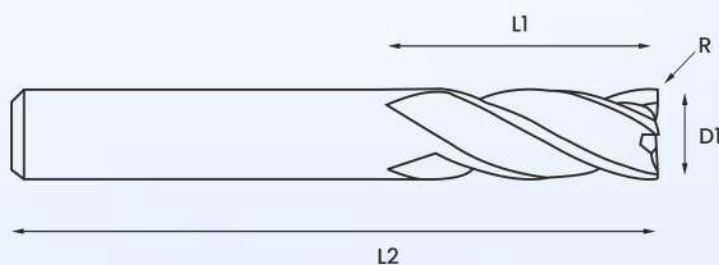
EXTRA SHORT ENDMILLS



Code	Ø d1	Ø d2	l1	l2	Flute	Rad (K)	Ball Nose
ENG-EMES-0600	6	6	6	40	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4	Y
ENG-EMES-0800	8	8	8	40	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMES-1000	10	10	10	50	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMES-1200	12	12	10	55	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMES-1600	16	16	12	55	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y

HIGH PERFORMANCE ENDMILLS

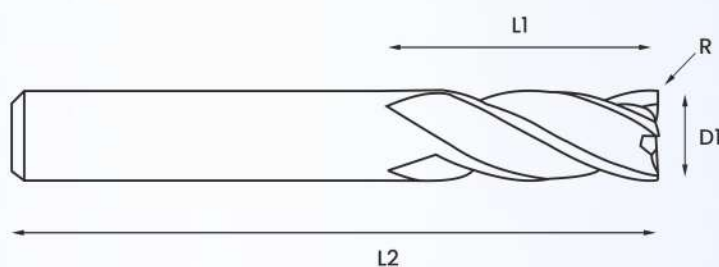
SHORT ENDMILLS



Code	Ø d1	Ø d2	l1	l2	Flute	Rad (K)	Ball Nose
ENG-EMS-0600	6	6	10	50	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4	Y
ENG-EMS-0800	8	8	12	55	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMS-1000	10	10	15	63	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMS-1200	12	12	16	63	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMS-1600	16	16	32	89	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y

HIGH PERFORMANCE ENDMILLS

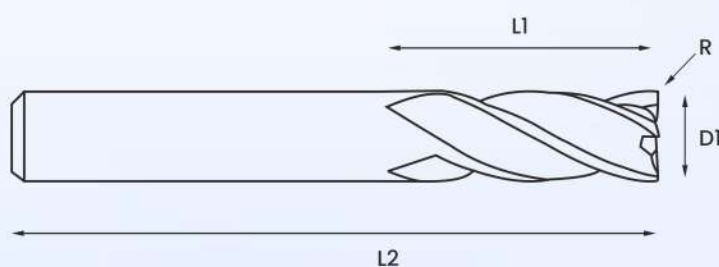
REGULAR ENDMILLS



Code	Ø d1	Ø d2	l1	l2	Flute	Rad (K)	Ball Nose
ENG-EMR-0600	6	6	15	60	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4	Y
ENG-EMR-0800	8	8	19	63	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMR-1000	10	10	22	70	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMR-1200	12	12	25	75	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EMR-1600	16	16	45	100	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y

HIGH PERFORMANCE ENDMILLS

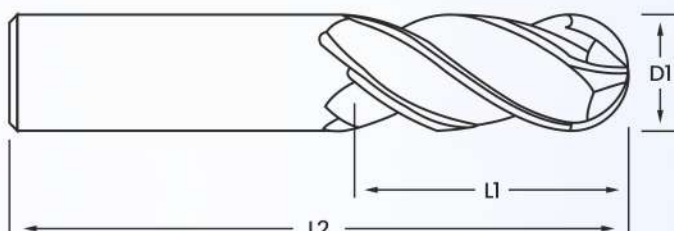
LONG ENDMILLS



Code	Ø d1	Ø d2	l1	l2	Flute	Rad (K)	Ball Nose
ENG-EML-0600	6	6	25	75	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4	Y
ENG-EML-0800	8	8	35	100	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EML-1000	10	10	45	100	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EML-1200	12	12	55	100	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y
ENG-EML-1600	16	16	70	150	4/5/6	R0.2 / R0.4 / R0.5 / R0.75 / R0.8 / R1.2 / R1.5 / R1.6 / R2.4 / R3.6	Y

HIGH PERFORMANCE ENDMILLS

BALLNOSE ENDMILLS 2 & 4 FLUTE



BALLNOSE ENDMILLS 2 FLUTE

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMESB-0600-2	6	6	40
ENG-EMESB-0800-2	8	8	40
ENG-EMESB-1000-2	10	10	50
ENG-EMESB-1200-2	12	10	55
ENG-EMESB-1600-2	16	12	55

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMRB-0600-2	6	13	50
ENG-EMRB-0800-2	8	19	63
ENG-EMRB-1000-2	10	22	70
ENG-EMRB-1200-2	12	25	75
ENG-EMRB-1600-2	16	45	100

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMSB-0600-2	6	10	50
ENG-EMSB-0800-2	8	12	55
ENG-EMSB-1000-2	10	15	63
ENG-EMSB-1200-2	12	16	63
ENG-EMSB-1600-2	16	32	89

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMLB-0600-2	6	25	75
ENG-EMLB-0800-2	8	35	100
ENG-EMLB-1000-2	10	45	100
ENG-EMLB-1200-2	12	55	100
ENG-EMLB-1600-2	16	70	150

BALLNOSE ENDMILLS 4 FLUTE

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMESB-0600-4	6	6	40
ENG-EMESB-0800-4	8	8	40
ENG-EMESB-1000-4	10	10	50
ENG-EMESB-1200-4	12	10	55
ENG-EMESB-1600-4	16	12	55

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMRB-0600-4	6	13	50
ENG-EMRB-0800-4	8	19	63
ENG-EMRB-1000-4	10	22	70
ENG-EMRB-1200-4	12	25	75
ENG-EMRB-1600-4	16	45	100

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMSB-0600-4	6	10	50
ENG-EMSB-0800-4	8	12	55
ENG-EMSB-1000-4	10	15	63
ENG-EMSB-1200-4	12	16	63
ENG-EMSB-1600-4	16	32	89

Code	Size (D1)	F/L (L1)	O/A/L (L2)
ENG-EMLB-0600-4	6	25	75
ENG-EMLB-0800-4	8	35	100
ENG-EMLB-1000-4	10	45	100
ENG-EMLB-1200-4	12	55	100
ENG-EMLB-1600-4	16	70	150

CHAMFER TOOLS

15° TO 60°
CHAMFER TOOLS
(30° TO 120°
ALL INCLUSIVE)



15° CHAMFER TOOLS (30° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-15	6	30	75
ENG-SCC-0800-15	8	30	75
ENG-SCC-1000-15	10	30	80
ENG-SCC-1200-15	12	30	100

25° CHAMFER TOOLS (50° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-25	6	50	75
ENG-SCC-0800-25	8	50	75
ENG-SCC-1000-25	10	50	80
ENG-SCC-1200-25	12	50	100

35° CHAMFER TOOLS (70° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-35	6	70	75
ENG-SCC-0800-35	8	70	75
ENG-SCC-1000-35	10	70	80
ENG-SCC-1200-35	12	70	100

45° CHAMFER TOOLS (90° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-45	6	90	75
ENG-SCC-0800-45	8	90	75
ENG-SCC-1000-45	10	90	80
ENG-SCC-1200-45	12	90	100

55° CHAMFER TOOLS (110° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-55	6	110	75
ENG-SCC-0800-55	8	110	75
ENG-SCC-1000-55	10	110	80
ENG-SCC-1200-55	12	110	100

20° CHAMFER TOOLS (40° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-20	6	40	75
ENG-SCC-0800-20	8	40	75
ENG-SCC-1000-20	10	40	80
ENG-SCC-1200-20	12	40	100

30° CHAMFER TOOLS (60° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-30	6	60	75
ENG-SCC-0800-30	8	60	75
ENG-SCC-1000-30	10	60	80
ENG-SCC-1200-30	12	60	100

40° CHAMFER TOOLS (80° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-40	6	80	75
ENG-SCC-0800-40	8	80	75
ENG-SCC-1000-40	10	80	80
ENG-SCC-1200-40	12	80	100

50° CHAMFER TOOLS (100° All Inclusive)

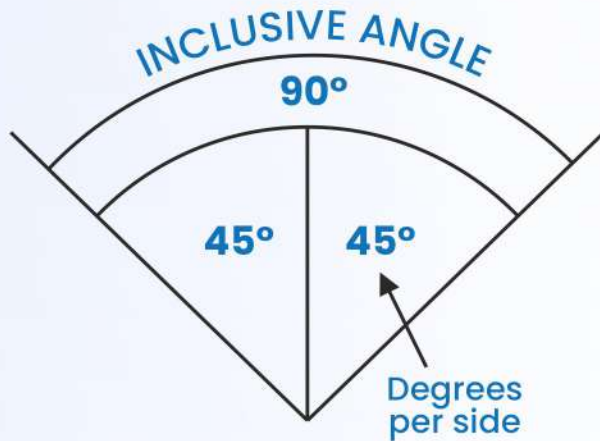
Code	Ø dc1	A	L
ENG-SCC-0600-50	6	100	75
ENG-SCC-0800-50	8	100	75
ENG-SCC-1000-50	10	100	80
ENG-SCC-1200-50	12	100	100

60° CHAMFER TOOLS (120° All Inclusive)

Code	Ø dc1	A	L
ENG-SCC-0600-60	6	120	75
ENG-SCC-0800-60	8	120	75
ENG-SCC-1000-60	10	120	80
ENG-SCC-1200-60	12	120	100

CHAMFER TOOLS

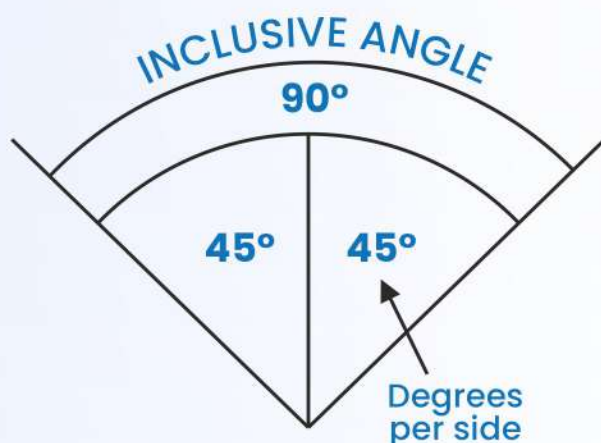
FRONT AND BACK (1MM X 45°) CHAMFER TOOLS



Code	Size (D1)	Chamfer Angle (L1)	O/A/L (L2)
ENG-SCC-0400-1-F45-B45	3.9	45	82
ENG-SCC-0500-1-F45-B45	4.9	45	82
ENG-SCC-0600-1-F45-B45	5.9	45	82
ENG-SCC-0700-1-F45-B45	6.9	45	82
ENG-SCC-0800-1-F45-B45	7.9	45	82

CHAMFER TOOLS

FRONT AND BACK (1.5MM X 45°) CHAMFER TOOLS



Code	Size (D1)	Chamfer Angle (L1)	O/A/L (L2)
ENG-SCC-0600-1.5-F45-B45	5.9	45	82
ENG-SCC-0800-1.5-F45-B45	7.9	45	82
ENG-SCC-1000-1.5-F45-B45	9.9	45	120
ENG-SCC-1200-1.5-F45-B45	11.9	45	120

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