

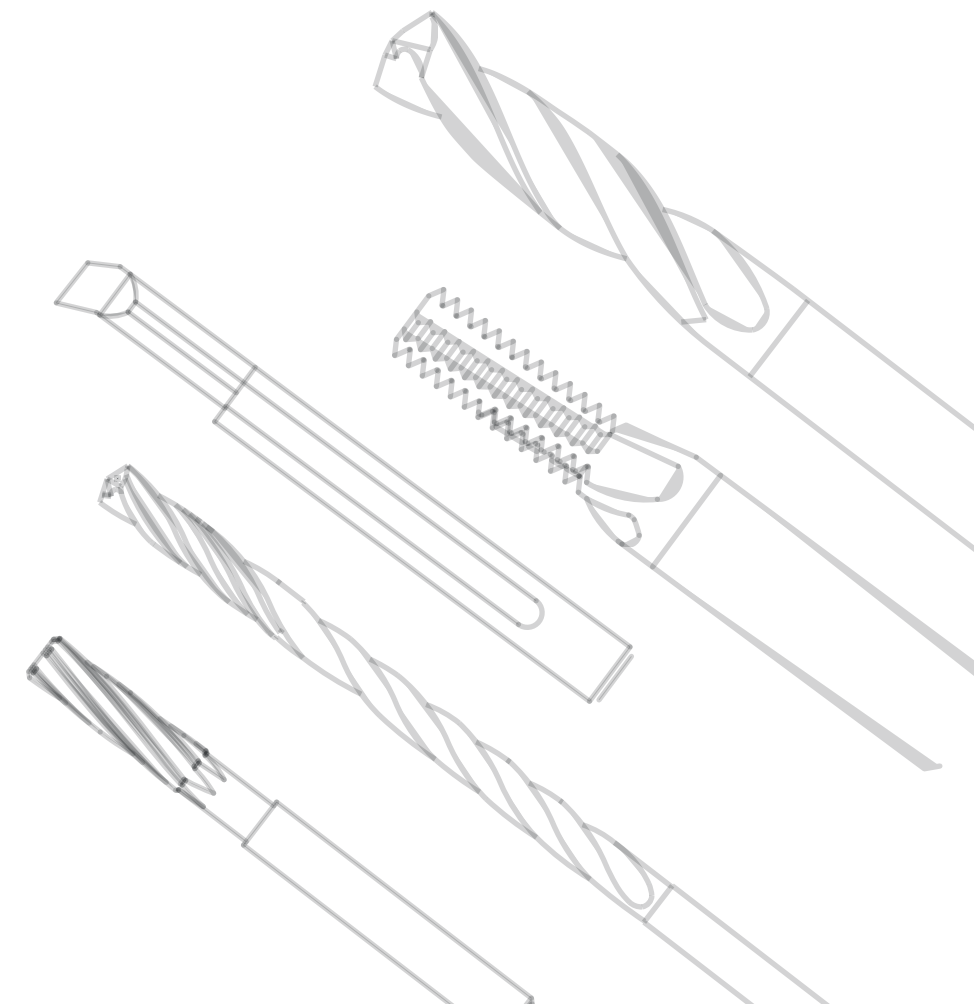
SEAYAC

CNC TOOL

2025

COMPREHENSIVE CATALOGUE

CUTTING TOOL SOLUTIONS FOR HOLE MACHINING



APPLICATION

Growing environmental awareness constantly demands new technologies in vehicle development. In addition, rapid model changes and demanding economic framework conditions often necessitate increased production efficiency.

In the machinery industry, in order to meet the needs of improving efficiency and innovative development, mechanical parts manufacturers are constantly facing new challenges. In various machining fields

Car crankshaft



Car connecting rod



Compressor crankshaft



Electric cylinder



semiconductor airflow plate



Integral turbine housing



fuel injector



Engine block



Hydraulic device



Car Gearbox



PRODUCT TYPE

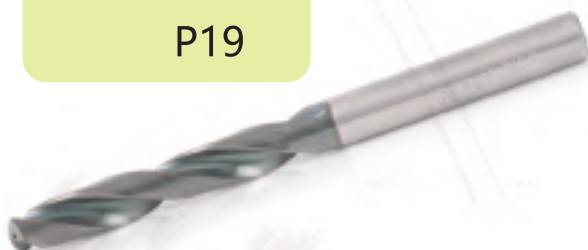
RDT SERIES

P1



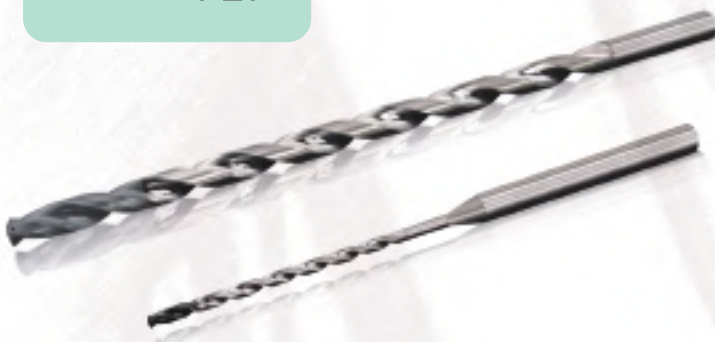
RDM SERIES

P19



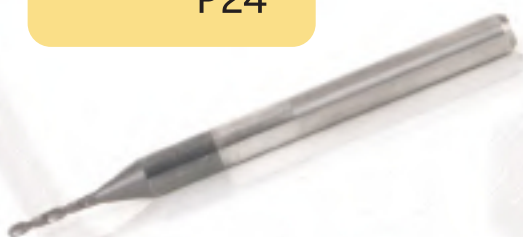
RDS SERIES

P27



RNT SERIES

P24



**Micro diameter
boring cutter**



**Anti-vibration
milling cutter**



**Thread milling
cutter**

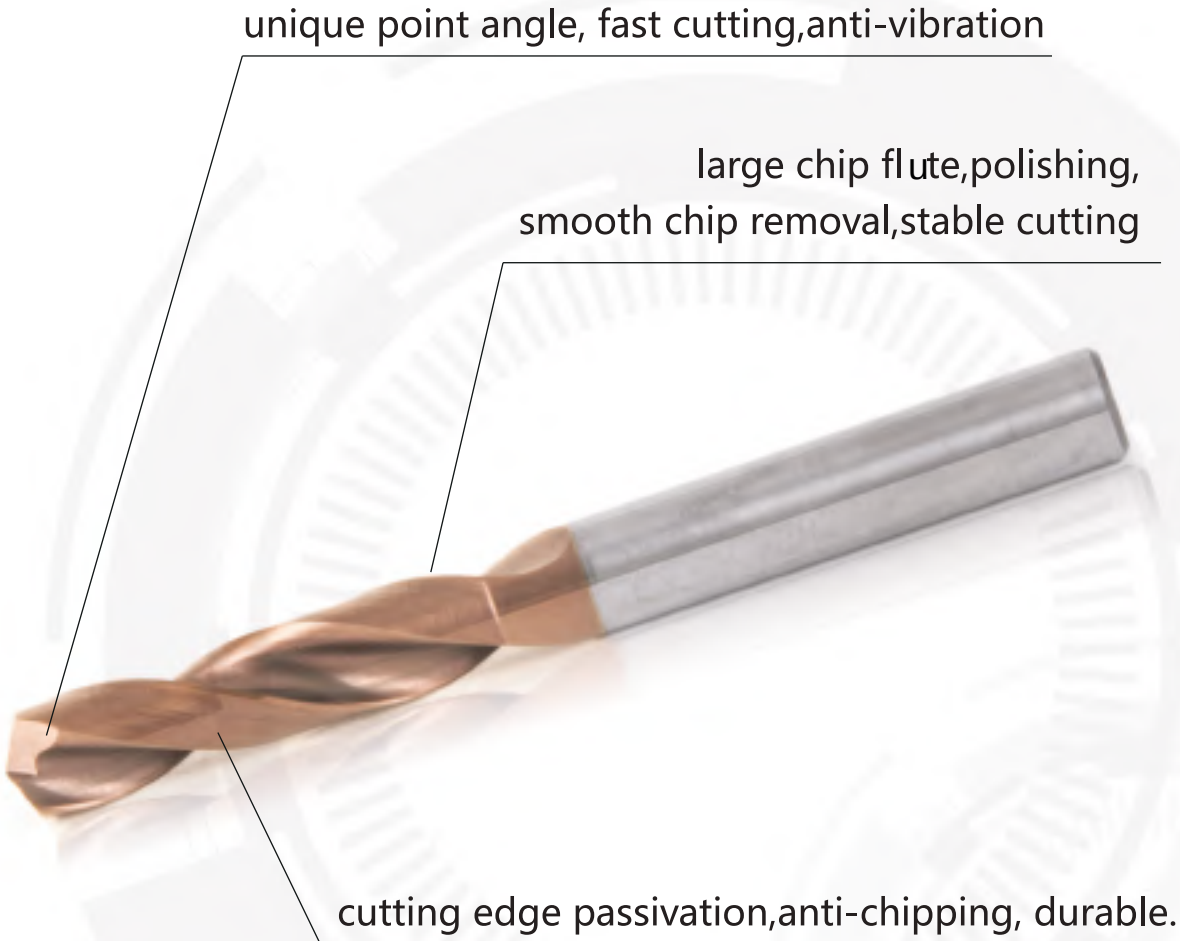


RDT SERIES

With coolant supply/without coolant supply

Drill order number explanation

R	D	T	03	10	-	0
↓	↓	↓	↓	↓	↓	↓
brand	Tool type	series	XD	diameter	Metric system	with coolant supply/ without coolant supply
	D drill N micro drill M milling cutter T thread cutter B Small diameter boring tool	T for universal cutting M Stainless steel S Deep hole drilling	03 3D 05 5D 08 8D 12 12D 16 16D 20 20D 25 25D 30 30D	for example: 3mm=03 10mm=10 10.5mm=105	- Metric system . British system	0 without coolant supply 1 with coolant supply



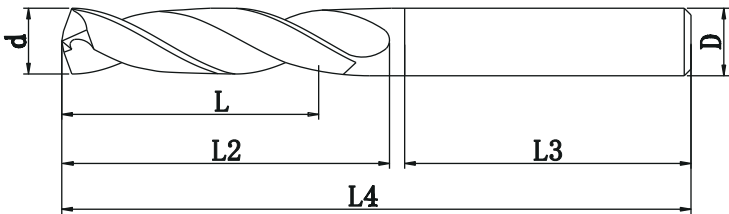
Advantages:

- ◆ Unique drill point design, strong versatility, achieve good performance for carbon steel, alloy steel, cast iron cutting
- ◆ Cutting edge passivation, impact resistance
- ◆ Anti-chipping, increase tool life

RDT SERIES



3D

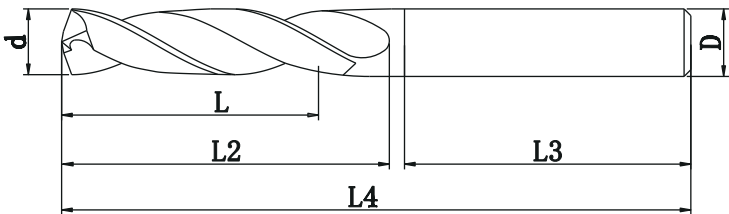


Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter	Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter
	d	L	L2	L4	L3	D		d	L	L2	L4	L3	D
RDT03030-0	3.0	14	20	62	36	6	RDT03060-0	6.0	20	28	66	36	6
RDT03031-0	3.1	14	20	62	36	6	RDT03061-0	6.1	24	34	79	36	8
RDT03032-0	3.2	14	20	62	36	6	RDT03062-0	6.2	24	34	79	36	8
RDT03033-0	3.3	14	20	62	36	6	RDT03063-0	6.3	24	34	79	36	8
RDT03034-0	3.4	14	20	62	36	6	RDT03064-0	6.4	24	34	79	36	8
RDT03035-0	3.5	14	20	62	36	6	RDT03065-0	6.5	24	34	79	36	8
RDT03036-0	3.6	14	20	62	36	6	RDT03066-0	6.6	24	34	79	36	8
RDT03037-0	3.7	14	20	62	36	6	RDT03067-0	6.7	24	34	79	36	8
RDT03038-0	3.8	17	24	66	36	6	RDT03068-0	6.8	24	34	79	36	8
RDT03039-0	3.9	17	24	66	36	6	RDT03069-0	6.9	24	34	79	36	8
RDT03040-0	4.0	17	24	66	36	6	RDT03070-0	7.0	24	34	79	36	8
RDT03041-0	4.1	17	24	66	36	6	RDT03071-0	7.1	29	41	79	36	8
RDT03042-0	4.2	17	24	66	36	6	RDT03072-0	7.2	29	41	79	36	8
RDT03043-0	4.3	17	24	66	36	6	RDT03073-0	7.3	29	41	79	36	8
RDT03044-0	4.4	17	24	66	36	6	RDT03074-0	7.4	29	41	79	36	8
RDT03045-0	4.5	17	24	66	36	6	RDT03075-0	7.5	29	41	79	36	8
RDT03046-0	4.6	17	24	66	36	6	RDT03076-0	7.6	29	41	79	36	8
RDT03047-0	4.7	17	24	66	36	6	RDT03077-0	7.7	29	41	79	36	8
RDT03048-0	4.8	20	28	66	36	6	RDT03078-0	7.8	29	41	79	36	8
RDT03049-0	4.9	20	28	66	36	6	RDT03079-0	7.9	29	41	79	36	8
RDT03050-0	5.0	20	28	66	36	6	RDT03080-0	8.0	29	41	79	36	8
RDT03051-0	5.1	20	28	66	36	6	RDT03081-0	8.1	35	47	89	40	10
RDT03052-0	5.2	20	28	66	36	6	RDT03082-0	8.2	35	47	89	40	10
RDT03053-0	5.3	20	28	66	36	6	RDT03083-0	8.3	35	47	89	40	10
RDT03054-0	5.4	20	28	66	36	6	RDT03084-0	8.4	35	47	89	40	10
RDT03055-0	5.5	20	28	66	36	6	RDT03085-0	8.5	35	47	89	40	10
RDT03056-0	5.6	20	28	66	36	6	RDT03086-0	8.6	35	47	89	40	10
RDT03057-0	5.7	20	28	66	36	6	RDT03087-0	8.7	35	47	89	40	10
RDT03058-0	5.8	20	28	66	36	6	RDT03088-0	8.8	35	47	89	40	10
RDT03059-0	5.9	20	28	66	36	6	RDT03089-0	8.9	35	47	89	40	10

RDT SERIES



3D

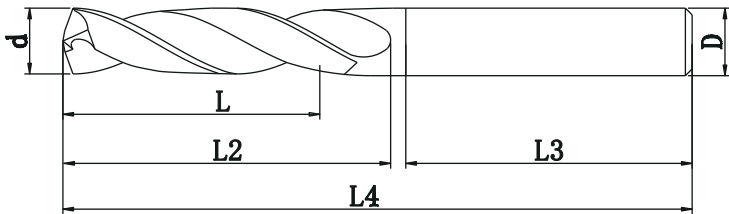


Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter	Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter
	d	L	L2	L4	L3	D		d	L	L2	L4	L3	D
RDT03090-0	9.0	35	47	89	40	10	RDT03120-0	12.0	40	55	102	45	12
RDT03091-0	9.1	35	47	89	40	10	RDT03121-0	12.1	43	60	107	45	14
RDT03092-0	9.2	35	47	89	40	10	RDT03122-0	12.2	43	60	107	45	14
RDT03093-0	9.3	35	47	89	40	10	RDT03123-0	12.3	43	60	107	45	14
RDT03094-0	9.4	35	47	89	40	10	RDT03124-0	12.4	43	60	107	45	14
RDT03095-0	9.5	35	47	89	40	10	RDT03125-0	12.5	43	60	107	45	14
RDT03096-0	9.6	35	47	89	40	10	RDT03126-0	12.6	43	60	107	45	14
RDT03097-0	9.7	35	47	89	40	10	RDT03127-0	12.7	43	60	107	45	14
RDT03098-0	9.8	35	47	89	40	10	RDT03128-0	12.8	43	60	107	45	14
RDT03099-0	9.9	35	47	89	40	10	RDT03129-0	12.9	43	60	107	45	14
RDT03100-0	10.0	35	47	89	40	10	RDT03130-0	13.0	43	60	107	45	14
RDT03101-0	10.1	40	55	102	45	12	RDT03131-0	13.1	43	60	107	45	14
RDT03102-0	10.2	40	55	102	45	12	RDT03132-0	13.2	43	60	107	45	14
RDT03103-0	10.3	40	55	102	45	12	RDT03133-0	13.3	43	60	107	45	14
RDT03104-0	10.4	40	55	102	45	12	RDT03134-0	13.4	43	60	107	45	14
RDT03105-0	10.5	40	55	102	45	12	RDT03135-0	13.5	43	60	107	45	14
RDT03106-0	10.6	40	55	102	45	12	RDT03136-0	13.6	43	60	107	45	14
RDT03107-0	10.7	40	55	102	45	12	RDT03137-0	13.7	43	60	107	45	14
RDT03108-0	10.8	40	55	102	45	12	RDT03138-0	13.8	43	60	107	45	14
RDT03109-0	10.9	40	55	102	45	12	RDT03139-0	13.9	43	60	107	45	14
RDT03110-0	11.0	40	55	102	45	12	RDT03140-0	14.0	43	60	107	45	14
RDT03111-0	11.1	40	55	102	45	12	RDT03141-0	14.1	45	65	115	48	16
RDT03112-0	11.2	40	55	102	45	12	RDT03142-0	14.2	45	65	115	48	16
RDT03113-0	11.3	40	55	102	45	12	RDT03143-0	14.3	45	65	115	48	16
RDT03114-0	11.4	40	55	102	45	12	RDT03144-0	14.4	45	65	115	48	16
RDT03115-0	11.5	40	55	102	45	12	RDT03145-0	14.5	45	65	115	48	16
RDT03116-0	11.6	40	55	102	45	12	RDT03146-0	14.6	45	65	115	48	16
RDT03117-0	11.7	40	55	102	45	12	RDT03147-0	14.7	45	65	115	48	16
RDT03118-0	11.8	40	55	102	45	12	RDT03148-0	14.8	45	65	115	48	16
RDT03119-0	11.9	40	55	102	45	12	RDT03149-0	14.9	45	65	115	48	16

RDT SERIES



3D

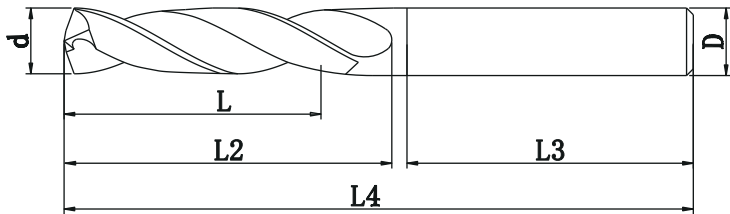


Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT03150-0	15.0	45	65	115	48	16	RDT03180-0	18.0	51	73	123	48	18
RDT03151-0	15.1	45	65	115	48	16	RDT03181-0	18.1	55	79	131	50	20
RDT03152-0	15.2	45	65	115	48	16	RDT03182-0	18.2	55	79	131	50	20
RDT03153-0	15.3	45	65	115	48	16	RDT03183-0	18.3	55	79	131	50	20
RDT03154-0	15.4	45	65	115	48	16	RDT03184-0	18.4	55	79	131	50	20
RDT03155-0	15.5	45	65	115	48	16	RDT03185-0	18.5	55	79	131	50	20
RDT03156-0	15.6	45	65	115	48	16	RDT03186-0	18.6	55	79	131	50	20
RDT03157-0	15.7	45	65	115	48	16	RDT03187-0	18.7	55	79	131	50	20
RDT03158-0	15.8	45	65	115	48	16	RDT03188-0	18.8	55	79	131	50	20
RDT03159-0	15.9	45	65	115	48	16	RDT03189-0	18.9	55	79	131	50	20
RDT03160-0	16.0	45	65	115	48	16	RDT03190-0	19.0	55	79	131	50	20
RDT03161-0	16.1	51	73	123	48	18	RDT03191-0	19.1	55	79	131	50	20
RDT03162-0	16.2	51	73	123	48	18	RDT03192-0	19.2	55	79	131	50	20
RDT03163-0	16.3	51	73	123	48	18	RDT03193-0	19.3	55	79	131	50	20
RDT03164-0	16.4	51	73	123	48	18	RDT03194-0	19.4	55	79	131	50	20
RDT03165-0	16.5	51	73	123	48	18	RDT03195-0	19.5	55	79	131	50	20
RDT03166-0	16.6	51	73	123	48	18	RDT03196-0	19.6	55	79	131	50	20
RDT03167-0	16.7	51	73	123	48	18	RDT03197-0	19.7	55	79	131	50	20
RDT03168-0	16.8	51	73	123	48	18	RDT03198-0	19.8	55	79	131	50	20
RDT03169-0	16.9	51	73	123	48	18	RDT03199-0	19.9	55	79	131	50	20
RDT03170-0	17.0	51	73	123	48	18	RDT03200-0	20.0	55	79	131	50	20
RDT03171-0	17.1	51	73	123	48	18	RDT03201-0	20.1	76	96	146	50	25
RDT03172-0	17.2	51	73	123	48	18	RDT03202-0	20.2	76	96	146	50	25
RDT03173-0	17.3	51	73	123	48	18	RDT03203-0	20.3	76	96	146	50	25
RDT03174-0	17.4	51	73	123	48	18	RDT03204-0	20.4	76	96	146	50	25
RDT03175-0	17.5	51	73	123	48	18	RDT03205-0	20.5	76	96	146	50	25
RDT03176-0	17.6	51	73	123	48	18	RDT03206-0	20.6	76	96	146	50	25
RDT03177-0	17.7	51	73	123	48	18	RDT03207-0	20.7	76	96	146	50	25
RDT03178-0	17.8	51	73	123	48	18	RDT03208-0	20.8	76	96	146	50	25
RDT03179-0	17.9	51	73	123	48	18	RDT03209-0	20.9	76	96	146	50	25

RDT SERIES



3D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT03210-0	21.0	76	96	146	50	25	RDT03240-0	24.0	83	103	153	50	25
RDT03211-0	21.1	76	96	146	50	25	RDT03241-0	24.1	83	103	153	50	25
RDT03212-0	21.2	76	96	146	50	25	RDT03242-0	24.2	83	103	153	50	25
RDT03213-0	21.3	76	96	146	50	25	RDT03243-0	24.3	83	103	153	50	25
RDT03214-0	21.4	76	96	146	50	25	RDT03244-0	24.4	83	103	153	50	25
RDT03215-0	21.5	76	96	146	50	25	RDT03245-0	24.5	83	103	153	50	25
RDT03216-0	21.6	76	96	146	50	25	RDT03246-0	24.6	83	103	153	50	25
RDT03217-0	21.7	76	96	146	50	25	RDT03247-0	24.7	83	103	153	50	25
RDT03218-0	21.8	76	96	146	50	25	RDT03248-0	24.8	83	103	153	50	25
RDT03219-0	21.9	76	96	146	50	25	RDT03249-0	24.9	83	103	153	50	25
RDT03220-0	22.0	76	96	146	50	25	RDT03250-0	25.0	83	103	153	50	25
RDT03221-0	22.1	83	103	153	50	25							
RDT03222-0	22.2	83	103	153	50	25							
RDT03223-0	22.3	83	103	153	50	25							
RDT03224-0	22.4	83	103	153	50	25							
RDT03225-0	22.5	83	103	153	50	25							
RDT03226-0	22.6	83	103	153	50	25							
RDT03227-0	22.7	83	103	153	50	25							
RDT03228-0	22.8	83	103	153	50	25							
RDT03229-0	22.9	83	103	153	50	25							
RDT03230-0	23.0	83	103	153	50	25							
RDT03231-0	23.1	83	103	153	50	25							
RDT03232-0	23.2	83	103	153	50	25							
RDT03233-0	23.3	83	103	153	50	25							
RDT03234-0	23.4	83	103	153	50	25							
RDT03235-0	23.5	83	103	153	50	25							
RDT03236-0	23.6	83	103	153	50	25							
RDT03237-0	23.7	83	103	153	50	25							
RDT03238-0	23.8	83	103	153	50	25							
RDT03239-0	23.9	83	103	153	50	25							

RDT SERIES



TOOL MATERIAL



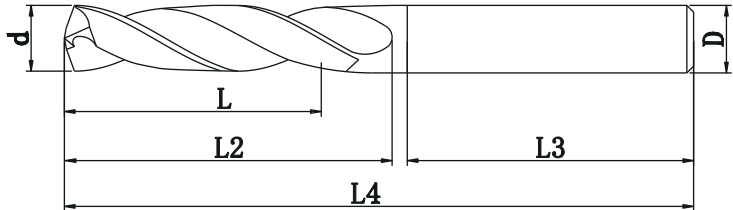
SHANK DIA.
TOLERANCE



POINT ANGLE



5D



Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter	Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter
	d	L	L2	L4	L3	D		d	L	L2	L4	L3	D
RDT05030-0	3.0	23	28	66	36	6	RDT05060-0	6.0	35	44	82	36	6
RDT05031-0	3.1	23	28	66	36	6	RDT05061-0	6.1	43	53	91	36	8
RDT05032-0	3.2	23	28	66	36	6	RDT05062-0	6.2	43	53	91	36	8
RDT05033-0	3.3	23	28	66	36	6	RDT05063-0	6.3	43	53	91	36	8
RDT05034-0	3.4	23	28	66	36	6	RDT05064-0	6.4	43	53	91	36	8
RDT05035-0	3.5	23	28	66	36	6	RDT05065-0	6.5	43	53	91	36	8
RDT05036-0	3.6	23	28	66	36	6	RDT05066-0	6.6	43	53	91	36	8
RDT05037-0	3.7	23	28	66	36	6	RDT05067-0	6.7	43	53	91	36	8
RDT05038-0	3.8	29	36	74	36	6	RDT05068-0	6.8	43	53	91	36	8
RDT05039-0	3.9	29	36	74	36	6	RDT05069-0	6.9	43	53	91	36	8
RDT05040-0	4.0	29	36	74	36	6	RDT05070-0	7.0	43	53	91	36	8
RDT05041-0	4.1	29	36	74	36	6	RDT05071-0	7.1	43	53	91	36	8
RDT05042-0	4.2	29	36	74	36	6	RDT05072-0	7.2	43	53	91	36	8
RDT05043-0	4.3	29	36	74	36	6	RDT05073-0	7.3	43	53	91	36	8
RDT05044-0	4.4	29	36	74	36	6	RDT05074-0	7.4	43	53	91	36	8
RDT05045-0	4.5	29	36	74	36	6	RDT05075-0	7.5	43	53	91	36	8
RDT05046-0	4.6	29	36	74	36	6	RDT05076-0	7.6	43	53	91	36	8
RDT05047-0	4.7	29	36	74	36	6	RDT05077-0	7.7	43	53	91	36	8
RDT05048-0	4.8	35	44	82	36	6	RDT05078-0	7.8	43	53	91	36	8
RDT05049-0	4.9	35	44	82	36	6	RDT05079-0	7.9	43	53	91	36	8
RDT05050-0	5	35	44	82	36	6	RDT05080-0	8.0	43	53	91	36	8
RDT05051-0	5.1	35	44	82	36	6	RDT05081-0	8.1	49	61	103	40	10
RDT05052-0	5.2	35	44	82	36	6	RDT05082-0	8.2	49	61	103	40	10
RDT05053-0	5.3	35	44	82	36	6	RDT05083-0	8.3	49	61	103	40	10
RDT05054-0	5.4	35	44	82	36	6	RDT05084-0	8.4	49	61	103	40	10
RDT05055-0	5.5	35	44	82	36	6	RDT05085-0	8.5	49	61	103	40	10
RDT05056-0	5.6	35	44	82	36	6	RDT05086-0	8.6	49	61	103	40	10
RDT05057-0	5.7	35	44	82	36	6	RDT05087-0	8.7	49	61	103	40	10
RDT05058-0	5.8	35	44	82	36	6	RDT05088-0	8.8	49	61	103	40	10
RDT05059-0	5.9	35	44	82	36	6	RDT05089-0	8.9	49	61	103	40	10

RDT SERIES



TOOL MATERIAL



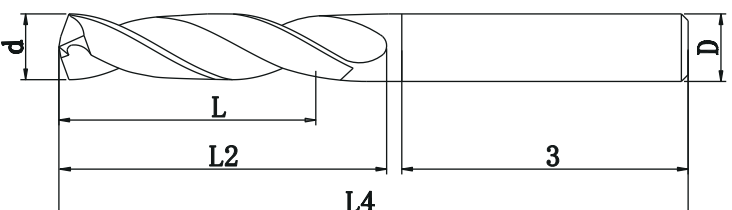
SHANK DIA.
TOLERANCE



POINT ANGLE



5D



Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter	Order number	flute diameter	max. cutting depth	flute length	overall length	Shank length	Shank diameter
	d	L	L2	L4	L3	D		d	L	L2	L4	L3	D
RDT05090-0	9	49	61	103	40	10	RDT05120-0	12	56	71	118	45	12
RDT05091-0	9.1	49	61	103	40	10	RDT05121-0	12.1	60	77	124	45	14
RDT05092-0	9.2	49	61	103	40	10	RDT05122-0	12.2	60	77	124	45	14
RDT05093-0	9.3	49	61	103	40	10	RDT05123-0	12.3	60	77	124	45	14
RDT05094-0	9.4	49	61	103	40	10	RDT05124-0	12.4	60	77	124	45	14
RDT05095-0	9.5	49	61	103	40	10	RDT05125-0	12.5	60	77	124	45	14
RDT05096-0	9.6	49	61	103	40	10	RDT05126-0	12.6	60	77	124	45	14
RDT05097-0	9.7	49	61	103	40	10	RDT05127-0	12.7	60	77	124	45	14
RDT05098-0	9.8	49	61	103	40	10	RDT05128-0	12.8	60	77	124	45	14
RDT05099-0	9.9	49	61	103	40	10	RDT05129-0	12.9	60	77	124	45	14
RDT05100-0	10.0	49	61	103	40	10	RDT05130-0	13	60	77	124	45	14
RDT05101-0	10.1	56	71	118	45	12	RDT05131-0	13.1	60	77	124	45	14
RDT05102-0	10.2	56	71	118	45	12	RDT05132-0	13.2	60	77	124	45	14
RDT05103-0	10.3	56	71	118	45	12	RDT05133-0	13.3	60	77	124	45	14
RDT05104-0	10.4	56	71	118	45	12	RDT05134-0	13.4	60	77	124	45	14
RDT05105-0	10.5	56	71	118	45	12	RDT05135-0	13.5	60	77	124	45	14
RDT05106-0	10.6	56	71	118	45	12	RDT05136-0	13.6	60	77	124	45	14
RDT05107-0	10.7	56	71	118	45	12	RDT05137-0	13.7	60	77	124	45	14
RDT05108-0	10.8	56	71	118	45	12	RDT05138-0	13.8	60	77	124	45	14
RDT05109-0	10.9	56	71	118	45	12	RDT05139-0	13.9	60	77	124	45	14
RDT05110-0	11	56	71	118	45	12	RDT05140-0	14	60	77	124	45	14
RDT05111-0	11.1	56	71	118	45	12	RDT05141-0	14.1	63	83	133	48	16
RDT05112-0	11.2	56	71	118	45	12	RDT05142-0	14.2	63	83	133	48	16
RDT05113-0	11.3	56	71	118	45	12	RDT05143-0	14.3	63	83	133	48	16
RDT05114-0	11.4	56	71	118	45	12	RDT05144-0	14.4	63	83	133	48	16
RDT05115-0	11.5	56	71	118	45	12	RDT05145-0	14.5	63	83	133	48	16
RDT05116-0	11.6	56	71	118	45	12	RDT05146-0	14.6	63	83	133	48	16
RDT05117-0	11.7	56	71	118	45	12	RDT05147-0	14.7	63	83	133	48	16
RDT05118-0	11.8	56	71	118	45	12	RDT05148-0	14.8	63	83	133	48	16
RDT05119-0	11.9	56	71	118	45	12	RDT05149-0	14.9	63	83	133	48	16

RDT SERIES



TOOL MATERIAL



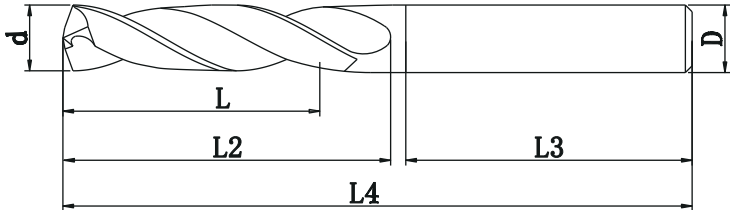
SHANK DIA.
TOLERANCE



POINT ANGLE



5D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT05150-0	15.0	63	83	133	48	16	RDT05180-0	18	71	93	143	48	18
RDT05151-0	15.1	63	83	133	48	16	RDT05181-0	18.1	77	101	153	50	20
RDT05152-0	15.2	63	83	133	48	16	RDT05182-0	18.2	77	101	153	50	20
RDT05153-0	15.3	63	83	133	48	16	RDT05183-0	18.3	77	101	153	50	20
RDT05154-0	15.4	63	83	133	48	16	RDT05184-0	18.4	77	101	153	50	20
RDT05155-0	15.5	63	83	133	48	16	RDT05185-0	18.5	77	101	153	50	20
RDT05156-0	15.6	63	83	133	48	16	RDT05186-0	18.6	77	101	153	50	20
RDT05157-0	15.7	63	83	133	48	16	RDT05187-0	18.7	77	101	153	50	20
RDT05158-0	15.8	63	83	133	48	16	RDT05188-0	18.8	77	101	153	50	20
RDT05159-0	15.9	63	83	133	48	16	RDT05189-0	18.9	77	101	153	50	20
RDT05160-0	16	63	83	133	48	16	RDT05190-0	19.0	77	101	153	50	20
RDT05161-0	16.1	71	93	143	48	18	RDT05191-0	19.1	77	101	153	50	20
RDT05162-0	16.2	71	93	143	48	18	RDT05192-0	19.2	77	101	153	50	20
RDT05163-0	16.3	71	93	143	48	18	RDT05193-0	19.3	77	101	153	50	20
RDT05164-0	16.4	71	93	143	48	18	RDT05194-0	19.4	77	101	153	50	20
RDT05165-0	16.5	71	93	143	48	18	RDT05195-0	19.5	77	101	153	50	20
RDT05166-0	16.6	71	93	143	48	18	RDT05196-0	19.6	77	101	153	50	20
RDT05167-0	16.7	71	93	143	48	18	RDT05197-0	19.7	77	101	153	50	20
RDT05168-0	16.8	71	93	143	48	18	RDT05198-0	19.8	77	101	153	50	20
RDT05169-0	16.9	71	93	143	48	18	RDT05199-0	19.9	77	101	153	50	20
RDT05170-0	17.0	71	93	143	48	18	RDT05200-0	20.0	77	101	153	50	20
RDT05171-0	17.1	71	93	143	48	18	RDT05201-0	20.1	88	108	166	55	25
RDT05172-0	17.2	71	93	143	48	18	RDT05202-0	20.2	88	108	166	55	25
RDT05173-0	17.3	71	93	143	48	18	RDT05203-0	20.3	88	108	166	55	25
RDT05174-0	17.4	71	93	143	48	18	RDT05204-0	20.4	88	108	166	55	25
RDT05175-0	17.5	71	93	143	48	18	RDT05205-0	20.5	88	108	166	55	25
RDT05176-0	17.6	71	93	143	48	18	RDT05206-0	20.6	88	108	166	55	25
RDT05177-0	17.7	71	93	143	48	18	RDT05207-0	20.7	88	108	166	55	25
RDT05178-0	17.8	71	93	143	48	18	RDT05208-0	20.8	88	108	166	55	25
RDT05179-0	17.9	71	93	143	48	18	RDT05209-0	20.9	88	108	166	55	25

RDT SERIES



TOOL MATERIAL



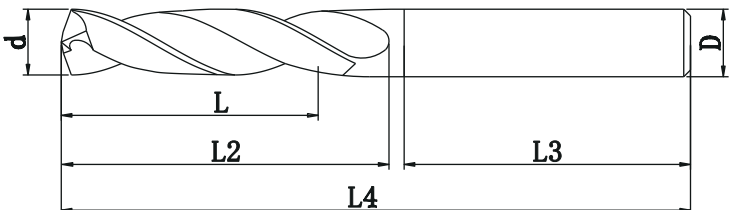
SHANK DIA.
TOLERANCE



POINT ANGLE

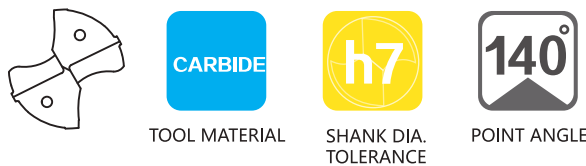


5D

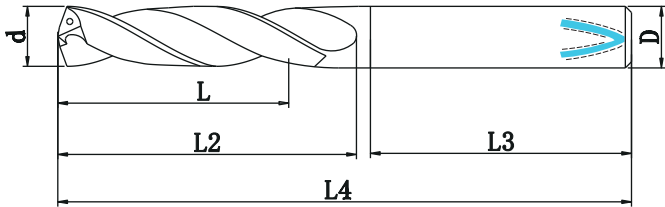


Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT05210-0	21.0	88	108	166	55	25	RDT05240-0	24.0	95	115	173	55	25
RDT05211-0	21.1	88	108	166	55	25	RDT05241-0	24.1	100	122	180	55	25
RDT05212-0	21.2	88	108	166	55	25	RDT05242-0	24.2	100	122	180	55	25
RDT05213-0	21.3	88	108	166	55	25	RDT05243-0	24.3	100	122	180	55	25
RDT05214-0	21.4	88	108	166	55	25	RDT05244-0	24.4	100	122	180	55	25
RDT05215-0	21.5	88	108	166	55	25	RDT05245-0	24.5	100	122	180	55	25
RDT05216-0	21.6	88	108	166	55	25	RDT05246-0	24.6	100	122	180	55	25
RDT05217-0	21.7	88	108	166	55	25	RDT05247-0	24.7	100	122	180	55	25
RDT05218-0	21.8	88	108	166	55	25	RDT05248-0	24.8	100	122	180	55	25
RDT05219-0	21.9	88	108	166	55	25	RDT05249-0	24.9	100	122	180	55	25
RDT05220-0	22.0	88	108	166	55	25	RDT05250-0	25.0	100	122	180	55	25
RDT05221-0	22.1	95	115	173	55	25							
RDT05222-0	22.2	95	115	173	55	25							
RDT05223-0	22.3	95	115	173	55	25							
RDT05224-0	22.4	95	115	173	55	25							
RDT05225-0	22.5	95	115	173	55	25							
RDT05226-0	22.6	95	115	173	55	25							
RDT05227-0	22.7	95	115	173	55	25							
RDT05228-0	22.8	95	115	173	55	25							
RDT05229-0	22.9	95	115	173	55	25							
RDT05230-0	23.0	95	115	173	55	25							
RDT05231-0	23.1	95	115	173	55	25							
RDT05232-0	23.2	95	115	173	55	25							
RDT05233-0	23.3	95	115	173	55	25							
RDT05234-0	23.4	95	115	173	55	25							
RDT05235-0	23.5	95	115	173	55	25							
RDT05236-0	23.6	95	115	173	55	25							
RDT05237-0	23.7	95	115	173	55	25							
RDT05238-0	23.8	95	115	173	55	25							
RDT05239-0	23.9	95	115	173	55	25							

RDT SERIES
With coolant supply

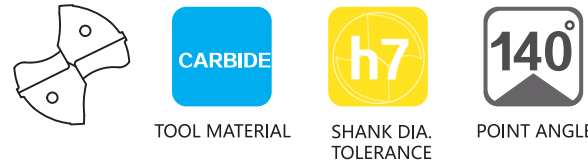


3D

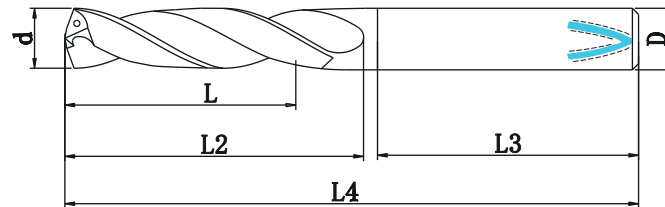


Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT03030-1	3.0	14	20	62	36	6	RDT03060-1	6.0	20	28	66	36	6
RDT03031-1	3.1	14	20	62	36	6	RDT03061-1	6.1	24	34	79	36	8
RDT03032-1	3.2	14	20	62	36	6	RDT03062-1	6.2	24	34	79	36	8
RDT03033-1	3.3	14	20	62	36	6	RDT03063-1	6.3	24	34	79	36	8
RDT03034-1	3.4	14	20	62	36	6	RDT03064-1	6.4	24	34	79	36	8
RDT03035-1	3.5	14	20	62	36	6	RDT03065-1	6.5	24	34	79	36	8
RDT03036-1	3.6	14	20	62	36	6	RDT03066-1	6.6	24	34	79	36	8
RDT03037-1	3.7	14	20	62	36	6	RDT03067-1	6.7	24	34	79	36	8
RDT03038-1	3.8	17	24	66	36	6	RDT03068-1	6.8	24	34	79	36	8
RDT03039-1	3.9	17	24	66	36	6	RDT03069-1	6.9	24	34	79	36	8
RDT03040-1	4.0	17	24	66	36	6	RDT03070-1	7.0	24	34	79	36	8
RDT03041-1	4.1	17	24	66	36	6	RDT03071-1	7.1	29	41	79	36	8
RDT03042-1	4.2	17	24	66	36	6	RDT03072-1	7.2	29	41	79	36	8
RDT03043-1	4.3	17	24	66	36	6	RDT03073-1	7.3	29	41	79	36	8
RDT03044-1	4.4	17	24	66	36	6	RDT03074-1	7.4	29	41	79	36	8
RDT03045-1	4.5	17	24	66	36	6	RDT03075-1	7.5	29	41	79	36	8
RDT03046-1	4.6	17	24	66	36	6	RDT03076-1	7.6	29	41	79	36	8
RDT03047-1	4.7	17	24	66	36	6	RDT03077-1	7.7	29	41	79	36	8
RDT03048-1	4.8	20	28	66	36	6	RDT03078-1	7.8	29	41	79	36	8
RDT03049-1	4.9	20	28	66	36	6	RDT03079-1	7.9	29	41	79	36	8
RDT03050-1	5.0	20	28	66	36	6	RDT03080-1	8.0	29	41	79	36	8
RDT03051-1	5.1	20	28	66	36	6	RDT03081-1	8.1	35	47	89	40	10
RDT03052-1	5.2	20	28	66	36	6	RDT03082-1	8.2	35	47	89	40	10
RDT03053-1	5.3	20	28	66	36	6	RDT03083-1	8.3	35	47	89	40	10
RDT03054-1	5.4	20	28	66	36	6	RDT03084-1	8.4	35	47	89	40	10
RDT03055-1	5.5	20	28	66	36	6	RDT03085-1	8.5	35	47	89	40	10
RDT03056-1	5.6	20	28	66	36	6	RDT03086-1	8.6	35	47	89	40	10
RDT03057-1	5.7	20	28	66	36	6	RDT03087-1	8.7	35	47	89	40	10
RDT03058-1	5.8	20	28	66	36	6	RDT03088-1	8.8	35	47	89	40	10
RDT03059-1	5.9	20	28	66	36	6	RDT03089-1	8.9	35	47	89	40	10

RDT SERIES
With coolant supply



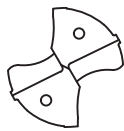
3D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT03090-1	9.0	35	47	89	40	10	RDT0 120-1	12.0	40	55	102	45	12
RDT03091-1	9.1	35	47	89	40	10	RDT03121-1	12.1	43	60	107	45	14
RDT03092-1	9.2	35	47	89	40	10	RDT03122-1	12.2	43	60	107	45	14
RDT03093-1	9.3	35	47	89	40	10	RDT03123-1	12.3	43	60	107	45	14
RDT03094-1	9.4	35	47	89	40	10	RDT03124-1	12.4	43	60	107	45	14
RDT03095-1	9.5	35	47	89	40	10	RDT03125-1	12.5	43	60	107	45	14
RDT03096-1	9.6	35	47	89	40	10	RDT03126-1	12.6	43	60	107	45	14
RDT03097-1	9.7	35	47	89	40	10	RDT03127-1	12.7	43	60	107	45	14
RDT03098-1	9.8	35	47	89	40	10	RDT03128-1	12.8	43	60	107	45	14
RDT03099-1	9.9	35	47	89	40	10	RDT03129-1	12.9	43	60	107	45	14
RDT03100-1	10.0	35	47	89	40	10	RDT03130-1	13.0	43	60	107	45	14
RDT03101-1	10.1	40	55	102	45	12	RDT03131-1	13.1	43	60	107	45	14
RDT03102-1	10.2	40	55	102	45	12	RDT03132-1	13.2	43	60	107	45	14
RDT03103-1	10.3	40	55	102	45	12	RDT03133-1	13.3	43	60	107	45	14
RDT03104-1	10.4	40	55	102	45	12	RDT03134-1	13.4	43	60	107	45	14
RDT03105-1	10.5	40	55	102	45	12	RDT03135-1	13.5	43	60	107	45	14
RDT03106-1	10.6	40	55	102	45	12	RDT03136-1	13.6	43	60	107	45	14
RDT03107-1	10.7	40	55	102	45	12	RDT03137-1	13.7	43	60	107	45	14
RDT03108-1	10.8	40	55	102	45	12	RDT03138-1	13.8	43	60	107	45	14
RDT03109-1	10.9	40	55	102	45	12	RDT03139-1	13.9	43	60	107	45	14
RDT03110-1	11.0	40	55	102	45	12	RDT03140-1	14.0	43	60	107	45	14
RDT03111-1	11.1	40	55	102	45	12	RDT03141-1	14.1	45	65	115	48	16
RDT03112-1	11.2	40	55	102	45	12	RDT03142-1	14.2	45	65	115	48	16
RDT03113-1	11.3	40	55	102	45	12	RDT03143-1	14.3	45	65	115	48	16
RDT03114-1	11.4	40	55	102	45	12	RDT03144-1	14.4	45	65	115	48	16
RDT03115-1	11.5	40	55	102	45	12	RDT03145-1	14.5	45	65	115	48	16
RDT03116-1	11.6	40	55	102	45	12	RDT03146-1	14.6	45	65	115	48	16
RDT03117-1	11.7	40	55	102	45	12	RDT03147-1	14.7	45	65	115	48	16
RDT03118-1	11.8	40	55	102	45	12	RDT03148-1	14.8	45	65	115	48	16
RDT03119-1	11.9	40	55	102	45	12	RDT03149-1	14.9	45	65	115	48	16

RDT SERIES

With coolant supply



TOOL MATERIAL



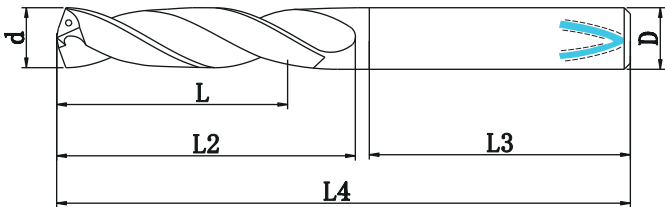
SHANK DIA.
TOLERANCE



POINT ANGLE



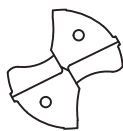
3D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT03150-1	15.0	45	65	115	48	16	RDT03180-1	18.0	51	73	123	48	18
RDT03151-1	15.1	45	65	115	48	16	RDT03181-1	18.1	55	79	131	50	20
RDT03152-1	15.2	45	65	115	48	16	RDT03182-1	18.2	55	79	131	50	20
RDT03153-1	15.3	45	65	115	48	16	RDT03183-1	18.3	55	79	131	50	20
RDT03154-1	15.4	45	65	115	48	16	RDT03184-1	18.4	55	79	131	50	20
RDT03155-1	15.5	45	65	115	48	16	RDT03185-1	18.5	55	79	131	50	20
RDT03156-1	15.6	45	65	115	48	16	RDT03186-1	18.6	55	79	131	50	20
RDT03157-1	15.7	45	65	115	48	16	RDT03187-1	18.7	55	79	131	50	20
RDT03158-1	15.8	45	65	115	48	16	RDT03188-1	18.8	55	79	131	50	20
RDT03159-1	15.9	45	65	115	48	16	RDT03189-1	18.9	55	79	131	50	20
RDT03160-1	16.0	45	65	115	48	16	RDT03190-1	19.0	55	79	131	50	20
RDT03161-1	16.1	51	73	123	48	18	RDT03191-1	19.1	55	79	131	50	20
RDT03162-1	16.2	51	73	123	48	18	RDT03192-1	19.2	55	79	131	50	20
RDT03163-1	16.3	51	73	123	48	18	RDT03193-1	19.3	55	79	131	50	20
RDT03164-1	16.4	51	73	123	48	18	RDT03194-1	19.4	55	79	131	50	20
RDT03165-1	16.5	51	73	123	48	18	RDT03195-1	19.5	55	79	131	50	20
RDT03166-1	16.6	51	73	123	48	18	RDT03196-1	19.6	55	79	131	50	20
RDT03167-1	16.7	51	73	123	48	18	RDT03197-1	19.7	55	79	131	50	20
RDT03168-1	16.8	51	73	123	48	18	RDT03198-1	19.8	55	79	131	50	20
RDT03169-1	16.9	51	73	123	48	18	RDT03199-1	19.9	55	79	131	50	20
RDT03170-1	17.0	51	73	123	48	18	RDT03200-1	20.0	55	79	131	50	20
RDT03171-1	17.1	51	73	123	48	18	RDT03201-1	20.1	76	96	146	50	25
RDT03172-1	17.2	51	73	123	48	18	RDT03202-1	20.2	76	96	146	50	25
RDT03173-1	17.3	51	73	123	48	18	RDT03203-1	20.3	76	96	146	50	25
RDT03174-1	17.4	51	73	123	48	18	RDT03204-1	20.4	76	96	146	50	25
RDT03175-1	17.5	51	73	123	48	18	RDT03205-1	20.5	76	96	146	50	25
RDT03176-1	17.6	51	73	123	48	18	RDT03206-1	20.6	76	96	146	50	25
RDT03177-1	17.7	51	73	123	48	18	RDT03207-1	20.7	76	96	146	50	25
RDT03178-1	17.8	51	73	123	48	18	RDT03208-1	20.8	76	96	146	50	25
RDT03179-1	17.9	51	73	123	48	18	RDT03209-1	20.9	76	96	146	50	25

RDT SERIES

With coolant supply



TOOL MATERIAL



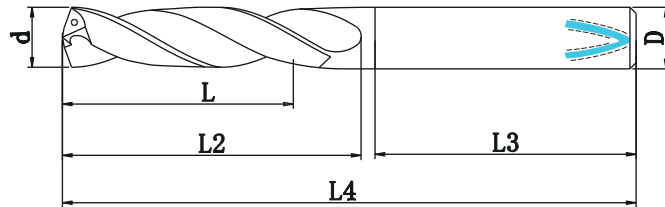
SHANK DIA.
TOLERANCE



POINT ANGLE



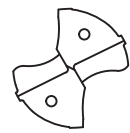
3D



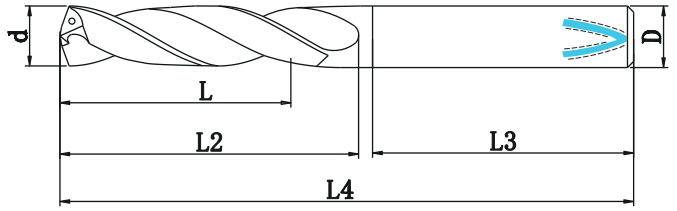
Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT03210-1	21.0	76	96	146	50	25	RDT03240-1	24.0	83	103	153	50	25
RDT03211-1	21.1	76	96	146	50	25	RDT03241-1	24.1	83	103	153	50	25
RDT03212-1	21.2	76	96	146	50	25	RDT03242-1	24.2	83	103	153	50	25
RDT03213-1	21.3	76	96	146	50	25	RDT03243-1	24.3	83	103	153	50	25
RDT03214-1	21.4	76	96	146	50	25	RDT03244-1	24.4	83	103	153	50	25
RDT03215-1	21.5	76	96	146	50	25	RDT03245-1	24.5	83	103	153	50	25
RDT03216-1	21.6	76	96	146	50	25	RDT03246-1	24.6	83	103	153	50	25
RDT03217-1	21.7	76	96	146	50	25	RDT03247-1	24.7	83	103	153	50	25
RDT03218-1	21.8	76	96	146	50	25	RDT03248-1	24.8	83	103	153	50	25
RDT03219-1	21.9	76	96	146	50	25	RDT03249-1	24.9	83	103	153	50	25
RDT03220-1	22.0	76	96	146	50	25	RDT03250-1	25.0	83	103	153	50	25
RDT03221-1	22.1	83	103	153	50	25							
RDT03222-1	22.2	83	103	153	50	25							
RDT03223-1	22.3	83	103	153	50	25							
RDT03224-1	22.4	83	103	153	50	25							
RDT03225-1	22.5	83	103	153	50	25							
RDT03226-1	22.6	83	103	153	50	25							
RDT03227-1	22.7	83	103	153	50	25							
RDT03228-1	22.8	83	103	153	50	25							
RDT03229-1	22.9	83	103	153	50	25							
RDT03230-1	23.0	83	103	153	50	25							
RDT03231-1	23.1	83	103	153	50	25							
RDT03232-1	23.2	83	103	153	50	25							
RDT03233-1	23.3	83	103	153	50	25							
RDT03234-1	23.4	83	103	153	50	25							
RDT03235-1	23.5	83	103	153	50	25							
RDT03236-1	23.6	83	103	153	50	25							
RDT03237-1	23.7	83	103	153	50	25							
RDT03238-1	23.8	83	103	153	50	25							
RDT03239-1	23.9	83	103	153	50	25							

RDT SERIES

With coolant supply



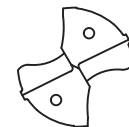
5D



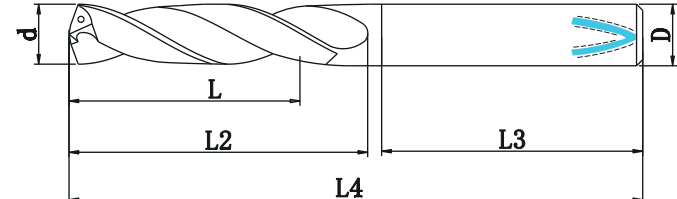
Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT05030-1	3.0	23	28	66	36	6	RDT05060-1	6.0	35	44	82	36	6
RDT05031-1	3.1	23	28	66	36	6	RDT05061-1	6.1	43	53	91	36	8
RDT05032-1	3.2	23	28	66	36	6	RDT05062-1	6.2	43	53	91	36	8
RDT05033-1	3.3	23	28	66	36	6	RDT05063-1	6.3	43	53	91	36	8
RDT05034-1	3.4	23	28	66	36	6	RDT05064-1	6.4	43	53	91	36	8
RDT05035-1	3.5	23	28	66	36	6	RDT05065-1	6.5	43	53	91	36	8
RDT05036-1	3.6	23	28	66	36	6	RDT05066-1	6.6	43	53	91	36	8
RDT05037-1	3.7	23	28	66	36	6	RDT05067-1	6.7	43	53	91	36	8
RDT05038-1	3.8	29	36	74	36	6	RDT05068-1	6.8	43	53	91	36	8
RDT05039-1	3.9	29	36	74	36	6	RDT05069-1	6.9	43	53	91	36	8
RDT05040-1	4.0	29	36	74	36	6	RDT05070-1	7.0	43	53	91	36	8
RDT05041-1	4.1	29	36	74	36	6	RDT05071-1	7.1	43	53	91	36	8
RDT05042-1	4.2	29	36	74	36	6	RDT05072-1	7.2	43	53	91	36	8
RDT05043-1	4.3	29	36	74	36	6	RDT05073-1	7.3	43	53	91	36	8
RDT05044-1	4.4	29	36	74	36	6	RDT05074-1	7.4	43	53	91	36	8
RDT05045-1	4.5	29	36	74	36	6	RDT05075-1	7.5	43	53	91	36	8
RDT05046-1	4.6	29	36	74	36	6	RDT05076-1	7.6	43	53	91	36	8
RDT05047-1	4.7	29	36	74	36	6	RDT05077-1	7.7	43	53	91	36	8
RDT05048-1	4.8	35	44	82	36	6	RDT05078-1	7.8	43	53	91	36	8
RDT05049-1	4.9	35	44	82	36	6	RDT05079-1	7.9	43	53	91	36	8
RDT05050-1	5	35	44	82	36	6	RDT05080-1	8.0	43	53	91	36	8
RDT05051-1	5.1	35	44	82	36	6	RDT05081-1	8.1	49	61	103	40	10
RDT05052-1	5.2	35	44	82	36	6	RDT05082-1	8.2	49	61	103	40	10
RDT05053-1	5.3	35	44	82	36	6	RDT05083-1	8.3	49	61	103	40	10
RDT05054-1	5.4	35	44	82	36	6	RDT05084-1	8.4	49	61	103	40	10
RDT05055-1	5.5	35	44	82	36	6	RDT05085-1	8.5	49	61	103	40	10
RDT05056-1	5.6	35	44	82	36	6	RDT05086-1	8.6	49	61	103	40	10
RDT05057-1	5.7	35	44	82	36	6	RDT05087-1	8.7	49	61	103	40	10
RDT05058-1	5.8	35	44	82	36	6	RDT05088-1	8.8	49	61	103	40	10
RDT05059-1	5.9	35	44	82	36	6	RDT05089-1	8.9	49	61	103	40	10

RDT SERIES

With coolant supply

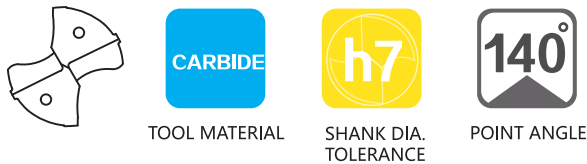


5D

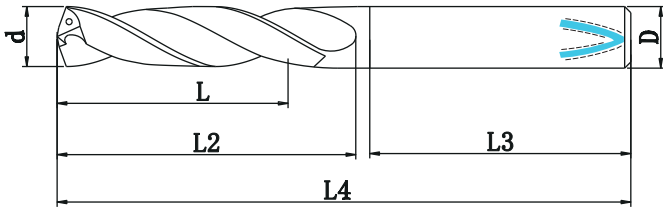


Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT05090-1	9	49	61	103	40	10	RDT05120-1	12	56	71	118	45	12
RDT05091-1	9.1	49	61	103	40	10	RDT05121-1	12.1	60	77	124	45	14
RDT05092-1	9.2	49	61	103	40	10	RDT05122-1	12.2	60	77	124	45	14
RDT05093-1	9.3	49	61	103	40	10	RDT05123-1	12.3	60	77	124	45	14
RDT05094-1	9.4	49	61	103	40	10	RDT05124-1	12.4	60	77	124	45	14
RDT05095-1	9.5	49	61	103	40	10	RDT05125-1	12.5	60	77	124	45	14
RDT05096-1	9.6	49	61	103	40	10	RDT05126-1	12.6	60	77	124	45	14
RDT05097-1	9.7	49	61	103	40	10	RDT05127-1	12.7	60	77	124	45	14
RDT05098-1	9.8	49	61	103	40	10	RDT05128-1	12.8	60	77	124	45	14
RDT05099-1	9.9	49	61	103	40	10	RDT05129-1	12.9	60	77	124	45	14
RDT05100-1	10.0	49	61	103	40	10	RDT05130-1	13	60	77	124	45	14
RDT05101-1	10.1	56	71	118	45	12	RDT05131-1	13.1	60	77	124	45	14
RDT05102-1	10.2	56	71	118	45	12	RDT05132-1	13.2	60	77	124	45	14
RDT05103-1	10.3	56	71	118	45	12	RDT05133-1	13.3	60	77	124	45	14
RDT05104-1	10.4	56	71	118	45	12	RDT05134-1	13.4	60	77	124	45	14
RDT05105-1	10.5	56	71	118	45	12	RDT05135-1	13.5	60	77	124	45	14
RDT05106-1	10.6	56	71	118	45	12	RDT05136-1	13.6	60	77	124	45	14
RDT05107-1	10.7	56	71	118	45	12	RDT05137-1	13.7	60	77	124	45	14
RDT05108-1	10.8	56	71	118	45	12	RDT05138-1	13.8	60	77	124	45	14
RDT05109-1	10.9	56	71	118	45	12	RDT05139-1	13.9	60	77	124	45	14
RDT05110-1	11	56	71	118	45	12	RDT05140-1	14	60	77	124	45	14
RDT05111-1	11.1	56	71	118	45	12	RDT05141-1	14.1	63	83	133	48	16
RDT05112-1	11.2	56	71	118	45	12	RDT05142-1	14.2	63	83	133	48	16
RDT05113-1	11.3	56	71	118	45	12	RDT05143-1	14.3	63	83	133	48	16
RDT05114-1	11.4	56	71	118	45	12	RDT05144-1	14.4	63	83	133	48	16
RDT05115-1	11.5	56	71	118	45	12	RDT05145-1	14.5	63	83	133	48	16
RDT05116-1	11.6	56	71	118	45	12	RDT05146-1	14.6	63	83	133	48	16
RDT05117-1	11.7	56	71	118	45	12	RDT05147-1	14.7	63	83	133	48	16
RDT05118-1	11.8	56	71	118	45	12	RDT05148-1	14.8	63	83	133	48	16
RDT05119-1	11.9	56	71	118	45	12	RDT05149-1	14.9	63	83	133	48	16

RDT SERIES
With coolant supply

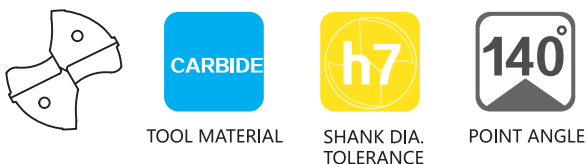


5D

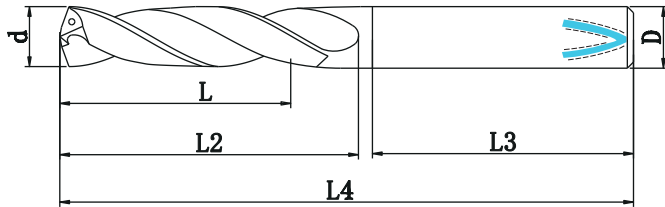


Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT05150-1	15.0	63	83	133	48	16	RDT05180-1	18	71	93	143	48	18
RDT05151-1	15.1	63	83	133	48	16	RDT05181-1	18.1	77	101	153	50	20
RDT05152-1	15.2	63	83	133	48	16	RDT05182-1	18.2	77	101	153	50	20
RDT05153-1	15.3	63	83	133	48	16	RDT05183-1	18.3	77	101	153	50	20
RDT05154-1	15.4	63	83	133	48	16	RDT05184-1	18.4	77	101	153	50	20
RDT05155-1	15.5	63	83	133	48	16	RDT05185-1	18.5	77	101	153	50	20
RDT05156-1	15.6	63	83	133	48	16	RDT05186-1	18.6	77	101	153	50	20
RDT05157-1	15.7	63	83	133	48	16	RDT05187-1	18.7	77	101	153	50	20
RDT05158-1	15.8	63	83	133	48	16	RDT05188-1	18.8	77	101	153	50	20
RDT05159-1	15.9	63	83	133	48	16	RDT05189-1	18.9	77	101	153	50	20
RDT05160-1	16	63	83	133	48	16	RDT05190-1	19.0	77	101	153	50	20
RDT05161-1	16.1	71	93	143	48	18	RDT05191-1	19.1	77	101	153	50	20
RDT05162-1	16.2	71	93	143	48	18	RDT05192-1	19.2	77	101	153	50	20
RDT05163-1	16.3	71	93	143	48	18	RDT05193-1	19.3	77	101	153	50	20
RDT05164-1	16.4	71	93	143	48	18	RDT05194-1	19.4	77	101	153	50	20
RDT05165-1	16.5	71	93	143	48	18	RDT05195-1	19.5	77	101	153	50	20
RDT05166-1	16.6	71	93	143	48	18	RDT05196-1	19.6	77	101	153	50	20
RDT05167-1	16.7	71	93	143	48	18	RDT05197-1	19.7	77	101	153	50	20
RDT05168-1	16.8	71	93	143	48	18	RDT05198-1	19.8	77	101	153	50	20
RDT05169-1	16.9	71	93	143	48	18	RDT05199-1	19.9	77	101	153	50	20
RDT05170-1	17.0	71	93	143	48	18	RDT05200-1	20.0	77	101	153	50	20
RDT05171-1	17.1	71	93	143	48	18	RDT05201-1	20.1	88	108	166	55	25
RDT05172-1	17.2	71	93	143	48	18	RDT05202-1	20.2	88	108	166	55	25
RDT05173-1	17.3	71	93	143	48	18	RDT05203-1	20.3	88	108	166	55	25
RDT05174-1	17.4	71	93	143	48	18	RDT05204-1	20.4	88	108	166	55	25
RDT05175-1	17.5	71	93	143	48	18	RDT05205-1	20.5	88	108	166	55	25
RDT05176-1	17.6	71	93	143	48	18	RDT05206-1	20.6	88	108	166	55	25
RDT05177-1	17.7	71	93	143	48	18	RDT05207-1	20.7	88	108	166	55	25
RDT05178-1	17.8	71	93	143	48	18	RDT05208-1	20.8	88	108	166	55	25
RDT05179-1	17.9	71	93	143	48	18	RDT05209-1	20.9	88	108	166	55	25

RDT SERIES
With coolant supply



5D



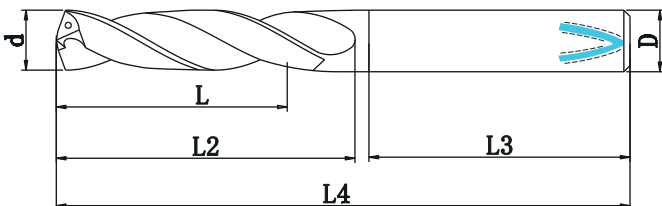
Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT05210-1	21.0	88	108	166	55	25	RDT05240-1	24.0	95	115	173	55	25
RDT05211-1	21.1	88	108	166	55	25	RDT05241-1	24.1	100	122	180	55	25
RDT05212-1	21.2	88	108	166	55	25	RDT05242-1	24.2	100	122	180	55	25
RDT05213-1	21.3	88	108	166	55	25	RDT05243-1	24.3	100	122	180	55	25
RDT05214-1	21.4	88	108	166	55	25	RDT05244-1	24.4	100	122	180	55	25
RDT05215-1	21.5	88	108	166	55	25	RDT05245-1	24.5	100	122	180	55	25
RDT05216-1	21.6	88	108	166	55	25	RDT05246-1	24.6	100	122	180	55	25
RDT05217-1	21.7	88	108	166	55	25	RDT05247-1	24.7	100	122	180	55	25
RDT05218-1	21.8	88	108	166	55	25	RDT05248-1	24.8	100	122	180	55	25
RDT05219-1	21.9	88	108	166	55	25	RDT05249-1	24.9	100	122	180	55	25
RDT05220-1	22.0	88	108	166	55	25	RDT05250-1	25.0	100	122	180	55	25
RDT05221-1	22.1	95	115	173	55	25							
RDT05222-1	22.2	95	115	173	55	25							
RDT05223-1	22.3	95	115	173	55	25							
RDT05224-1	22.4	95	115	173	55	25							
RDT05225-1	22.5	95	115	173	55	25							
RDT05226-1	22.6	95	115	173	55	25							
RDT05227-1	22.7	95	115	173	55	25							
RDT05228-1	22.8	95	115	173	55	25							
RDT05229-1	22.9	95	115	173	55	25							
RDT05230-1	23.0	95	115	173	55	25							
RDT05231-1	23.1	95	115	173	55	25							
RDT05232-1	23.2	95	115	173	55	25							
RDT05233-1	23.3	95	115	173	55	25							
RDT05234-1	23.4	95	115	173	55	25							
RDT05235-1	23.5	95	115	173	55	25							
RDT05236-1	23.6	95	115	173	55	25							
RDT05237-1	23.7	95	115	173	55	25							
RDT05238-1	23.8	95	115	173	55	25							
RDT05239-1	23.9	95	115	173	55	25							

RDT SERIES

With coolant supply



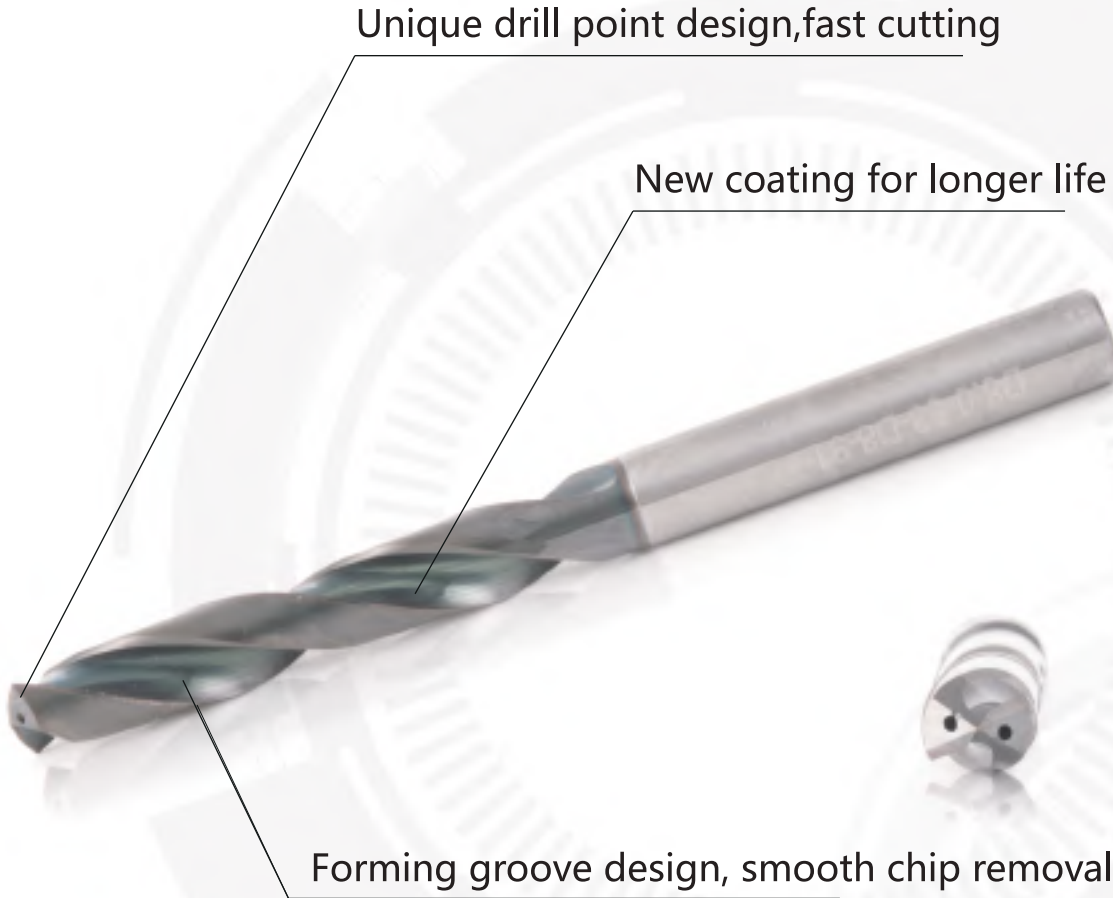
5D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDT05030-1	3.0	23	28	66	36	6	RDT05060-1	6.0	35	44	82	36	6
RDT05031-1	3.1	23	28	66	36	6	RDT05061-1	6.1	43	53	91	36	8
RDT05032-1	3.2	23	28	66	36	6	RDT05062-1	6.2	43	53	91	36	8
RDT05033-1	3.3	23	28	66	36	6	RDT05063-1	6.3	43	53	91	36	8
RDT05034-1	3.4	23	28	66	36	6	RDT05064-1	6.4	43	53	91	36	8
RDT05035-1	3.5	23	28	66	36	6	RDT05065-1	6.5	43	53	91	36	8
RDT05036-1	3.6	23	28	66	36	6	RDT05066-1	6.6	43	53	91	36	8
RDT05037-1	3.7	23	28	66	36	6	RDT05067-1	6.7	43	53	91	36	8
RDT05038-1	3.8	29	36	74	36	6	RDT05068-1	6.8	43	53	91	36	8
RDT05039-1	3.9	29	36	74	36	6	RDT05069-1	6.9	43	53	91	36	8
RDT05040-1	4.0	29	36	74	36	6	RDT05070-1	7.0	43	53	91	36	8
RDT05041-1	4.1	29	36	74	36	6	RDT05071-1	7.1	43	53	91	36	8
RDT05042-1	4.2	29	36	74	36	6	RDT05072-1	7.2	43	53	91	36	8
RDT05043-1	4.3	29	36	74	36	6	RDT05073-1	7.3	43	53	91	36	8
RDT05044-1	4.4	29	36	74	36	6	RDT05074-1	7.4	43	53	91	36	8
RDT05045-1	4.5	29	36	74	36	6	RDT05075-1	7.5	43	53	91	36	8
RDT05046-1	4.6	29	36	74	36	6	RDT05076-1	7.6	43	53	91	36	8
RDT05047-1	4.7	29	36	74	36	6	RDT05077-1	7.7	43	53	91	36	8
RDT05048-1	4.8	35	44	82	36	6	RDT05078-1	7.8	43	53	91	36	8
RDT05049-1	4.9	35	44	82	36	6	RDT05079-1	7.9	43	53	91	36	8
RDT05050-1	5	35	44	82	36	6	RDT05080-1	8.0	43	53	91	36	8
RDT05051-1	5.1	35	44	82	36	6	RDT05081-1	8.1	49	61	103	40	10
RDT05052-1	5.2	35	44	82	36	6	RDT05082-1	8.2	49	61	103	40	10
RDT05053-1	5.3	35	44	82	36	6	RDT05083-1	8.3	49	61	103	40	10
RDT05054-1	5.4	35	44	82	36	6	RDT05084-1	8.4	49	61	103	40	10
RDT05055-1	5.5	35	44	82	36	6	RDT05085-1	8.5	49	61	103	40	10
RDT05056-1	5.6	35	44	82	36	6	RDT05086-1	8.6	49	61	103	40	10
RDT05057-1	5.7	35	44	82	36	6	RDT05087-1	8.7	49	61	103	40	10
RDT05058-1	5.8	35	44	82	36	6	RDT05088-1	8.8	49	61	103	40	10
RDT05059-1	5.9	35	44	82	36	6	RDT05089-1	8.9	49	61	103	40	10

RDM SERIES

With coolant supply

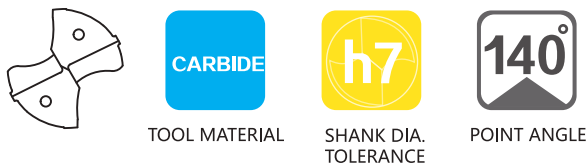


Advantages:

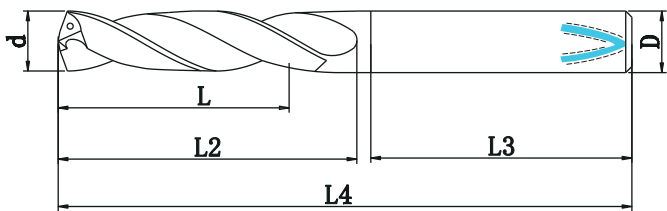
- ◆ Forming groove design, smooth chip removal
- ◆ Unique drill point design, fast cutting
- ◆ New coating for longer life
- ◆ Good life for stainless steel and titanium alloys cutting

RDM SERIES

With coolant supply



5D



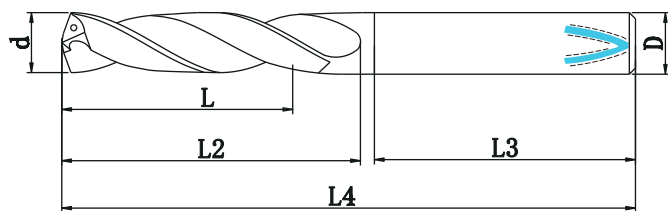
Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDM05030-1	3.0	23	28	66	36	6	RDM05060-1	6.0	35	44	82	36	6
RDM05031-1	3.1	23	28	66	36	6	RDM05061-1	6.1	43	53	91	36	8
RDM05032-1	3.2	23	28	66	36	6	RDM05062-1	6.2	43	53	91	36	8
RDM05033-1	3.3	23	28	66	36	6	RDM05063-1	6.3	43	53	91	36	8
RDM05034-1	3.4	23	28	66	36	6	RDM05064-1	6.4	43	53	91	36	8
RDM05035-1	3.5	23	28	66	36	6	RDM05065-1	6.5	43	53	91	36	8
RDM05036-1	3.6	23	28	66	36	6	RDM05066-1	6.6	43	53	91	36	8
RDM05037-1	3.7	23	28	66	36	6	RDM05067-1	6.7	43	53	91	36	8
RDM05038-1	3.8	29	36	74	36	6	RDM05068-1	6.8	43	53	91	36	8
RDM05039-1	3.9	29	36	74	36	6	RDM05069-1	6.9	43	53	91	36	8
RDM05040-1	4.0	29	36	74	36	6	RDM05070-1	7.0	43	53	91	36	8
RDM05041-1	4.1	29	36	74	36	6	RDM05071-1	7.1	43	53	91	36	8
RDM05042-1	4.2	29	36	74	36	6	RDM05072-1	7.2	43	53	91	36	8
RDM05043-1	4.3	29	36	74	36	6	RDM05073-1	7.3	43	53	91	36	8
RDM05044-1	4.4	29	36	74	36	6	RDM05074-1	7.4	43	53	91	36	8
RDM05045-1	4.5	29	36	74	36	6	RDM05075-1	7.5	43	53	91	36	8
RDM05046-1	4.6	29	36	74	36	6	RDM05076-1	7.6	43	53	91	36	8
RDM05047-1	4.7	29	36	74	36	6	RDM05077-1	7.7	43	53	91	36	8
RDM05048-1	4.8	35	44	82	36	6	RDM05078-1	7.8	43	53	91	36	8
RDM05049-1	4.9	35	44	82	36	6	RDM05079-1	7.9	43	53	91	36	8
RDM05050-1	5	35	44	82	36	6	RDM05080-1	8.0	43	53	91	36	8
RDM05051-1	5.1	35	44	82	36	6	RDM05081-1	8.1	49	61	103	40	10
RDM05052-1	5.2	35	44	82	36	6	RDM05082-1	8.2	49	61	103	40	10
RDM05053-1	5.3	35	44	82	36	6	RDM05083-1	8.3	49	61	103	40	10
RDM05054-1	5.4	35	44	82	36	6	RDM05084-1	8.4	49	61	103	40	10
RDM05055-1	5.5	35	44	82	36	6	RDM05085-1	8.5	49	61	103	40	10
RDM05056-1	5.6	35	44	82	36	6	RDM05086-1	8.6	49	61	103	40	10
RDM05057-1	5.7	35	44	82	36	6	RDM05087-1	8.7	49	61	103	40	10
RDM05058-1	5.8	35	44	82	36	6	RDM05088-1	8.8	49	61	103	40	10
RDM05059-1	5.9	35	44	82	36	6	RDM05089-1	8.9	49	61	103	40	10

RDM SERIES

With coolant supply



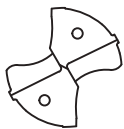
5D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDM05090-1	9	49	61	103	40	10	RDM05120-1	12.0	56	71	118	45	12
RDM05091-1	9.1	49	61	103	40	10	RDM05121-1	12.1	60	77	124	45	14
RDM05092-1	9.2	49	61	103	40	10	RDM05122-1	12.2	60	77	124	45	14
RDM05093-1	9.3	49	61	103	40	10	RDM05123-1	12.3	60	77	124	45	14
RDM05094-1	9.4	49	61	103	40	10	RDM05124-1	12.4	60	77	124	45	14
RDM05095-1	9.5	49	61	103	40	10	RDM05125-1	12.5	60	77	124	45	14
RDM05096-1	9.6	49	61	103	40	10	RDM05126-1	12.6	60	77	124	45	14
RDM05097-1	9.7	49	61	103	40	10	RDM05127-1	12.7	60	77	124	45	14
RDM05098-1	9.8	49	61	103	40	10	RDM05128-1	12.8	60	77	124	45	14
RDM05099-1	9.9	49	61	103	40	10	RDM05129-1	12.9	60	77	124	45	14
RDM05100-1	10.0	49	61	103	40	10	RDM05130-1	13	60	77	124	45	14
RDM05101-1	10.1	56	71	118	45	12	RDM05131-1	13.1	60	77	124	45	14
RDM05102-1	10.2	56	71	118	45	12	RDM05132-1	13.2	60	77	124	45	14
RDM05103-1	10.3	56	71	118	45	12	RDM05133-1	13.3	60	77	124	45	14
RDM05104-1	10.4	56	71	118	45	12	RDM05134-1	13.4	60	77	124	45	14
RDM05105-1	10.5	56	71	118	45	12	RDM05135-1	13.5	60	77	124	45	14
RDM05106-1	10.6	56	71	118	45	12	RDM05136-1	13.6	60	77	124	45	14
RDM05107-1	10.7	56	71	118	45	12	RDM05137-1	13.7	60	77	124	45	14
RDM05108-1	10.8	56	71	118	45	12	RDM05138-1	13.8	60	77	124	45	14
RDM05109-1	10.9	56	71	118	45	12	RDM05139-1	13.9	60	77	124	45	14
RDM05110-1	11.0	56	71	118	45	12	RDM05140-1	14	60	77	124	45	14
RDM05111-1	11.1	56	71	118	45	12	RDM05141-1	14.1	63	83	133	48	16
RDM05112-1	11.2	56	71	118	45	12	RDM05142-1	14.2	63	83	133	48	16
RDM05113-1	11.3	56	71	118	45	12	RDM05143-1	14.3	63	83	133	48	16
RDM05114-1	11.4	56	71	118	45	12	RDM05144-1	14.4	63	83	133	48	16
RDM05115-1	11.5	56	71	118	45	12	RDM05145-1	14.5	63	83	133	48	16
RDM05116-1	11.6	56	71	118	45	12	RDM05146-1	14.6	63	83	133	48	16
RDM05117-1	11.7	56	71	118	45	12	RDM05147-1	14.7	63	83	133	48	16
RDM05118-1	11.8	56	71	118	45	12	RDM05148-1	14.8	63	83	133	48	16
RDM05119-1	11.9	56	71	118	45	12	RDM05149-1	14.9	63	83	133	48	16

RDM SERIES

With coolant supply



TOOL MATERIAL



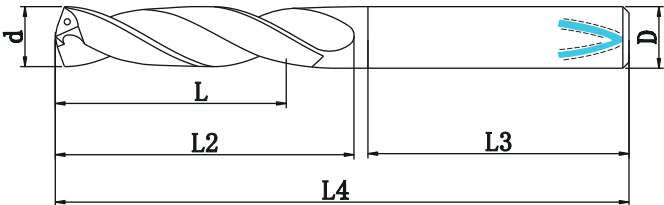
SHANK DIA.
TOLERANCE



POINT ANGLE



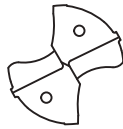
5D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDM05150-1	15.0	63	83	133	48	16	RDM05180-1	18	71	93	143	48	18
RDM05151-1	15.1	63	83	133	48	16	RDM05181-1	18.1	77	101	153	50	20
RDM05152-1	15.2	63	83	133	48	16	RDM05182-1	18.2	77	101	153	50	20
RDM05153-1	15.3	63	83	133	48	16	RDM05183-1	18.3	77	101	153	50	20
RDM05154-1	15.4	63	83	133	48	16	RDM05184-1	18.4	77	101	153	50	20
RDM05155-1	15.5	63	83	133	48	16	RDM05185-1	18.5	77	101	153	50	20
RDM05156-1	15.6	63	83	133	48	16	RDM05186-1	18.6	77	101	153	50	20
RDM05157-1	15.7	63	83	133	48	16	RDM05187-1	18.7	77	101	153	50	20
RDM05158-1	15.8	63	83	133	48	16	RDM05188-1	18.8	77	101	153	50	20
RDM05159-1	15.9	63	83	133	48	16	RDM05189-1	18.9	77	101	153	50	20
RDM05160-1	16	63	83	133	48	16	RDM05190-1	19.0	77	101	153	50	20
RDM05161-1	16.1	71	93	143	48	18	RDM05191-1	19.1	77	101	153	50	20
RDM05162-1	16.2	71	93	143	48	18	RDM05192-1	19.2	77	101	153	50	20
RDM05163-1	16.3	71	93	143	48	18	RDM05193-1	19.3	77	101	153	50	20
RDM05164-1	16.4	71	93	143	48	18	RDM05194-1	19.4	77	101	153	50	20
RDM05165-1	16.5	71	93	143	48	18	RDM05195-1	19.5	77	101	153	50	20
RDM05166-1	16.6	71	93	143	48	18	RDM05196-1	19.6	77	101	153	50	20
RDM05167-1	16.7	71	93	143	48	18	RDM05197-1	19.7	77	101	153	50	20
RDM05168-1	16.8	71	93	143	48	18	RDM05198-1	19.8	77	101	153	50	20
RDM05169-1	16.9	71	93	143	48	18	RDM05199-1	19.9	77	101	153	50	20
RDM05170-1	17.0	71	93	143	48	18	RDM05200-1	20.0	77	101	153	50	20
RDM05171-1	17.1	71	93	143	48	18	RDM05201-1	20.1	88	108	166	55	25
RDM05172-1	17.2	71	93	143	48	18	RDM05202-1	20.2	88	108	166	55	25
RDM05173-1	17.3	71	93	143	48	18	RDM05203-1	20.3	88	108	166	55	25
RDM05174-1	17.4	71	93	143	48	18	RDM05204-1	20.4	88	108	166	55	25
RDM05175-1	17.5	71	93	143	48	18	RDM05205-1	20.5	88	108	166	55	25
RDM05176-1	17.6	71	93	143	48	18	RDM05206-1	20.6	88	108	166	55	25
RDM05177-1	17.7	71	93	143	48	18	RDM05207-1	20.7	88	108	166	55	25
RDM05178-1	17.8	71	93	143	48	18	RDM05208-1	20.8	88	108	166	55	25
RDM05179-1	17.9	71	93	143	48	18	RDM05209-1	20.9	88	108	166	55	25

RDM SERIES

With coolant supply



TOOL MATERIAL



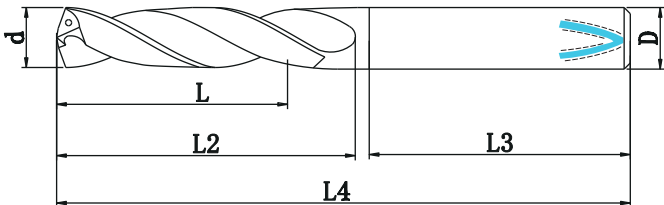
SHANK DIA.
TOLERANCE



POINT ANGLE



5D



Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDM05210-1	21.0	88	108	166	55	25	RDM05240-1	24.0	95	115	173	55	25
RDM05211-1	21.1	88	108	166	55	25	RDM05241-1	24.1	100	122	180	55	25
RDM05212-1	21.2	88	108	166	55	25	RDM05242-1	24.2	100	122	180	55	25
RDM05213-1	21.3	88	108	166	55	25	RDM05243-1	24.3	100	122	180	55	25
RDM05214-1	21.4	88	108	166	55	25	RDM05244-1	24.4	100	122	180	55	25
RDM05215-1	21.5	88	108	166	55	25	RDM05245-1	24.5	100	122	180	55	25
RDM05216-1	21.6	88	108	166	55	25	RDM05246-1	24.6	100	122	180	55	25
RDM05217-1	21.7	88	108	166	55	25	RDM05247-1	24.7	100	122	180	55	25
RDM05218-1	21.8	88	108	166	55	25	RDM05248-1	24.8	100	122	180	55	25
RDM05219-1	21.9	88	108	166	55	25	RDM05249-1	24.9	100	122	180	55	25
RDM05220-1	22.0	88	108	166	55	25	RDM05250-1	25.0	100	122	180	55	25
RDM05221-1	22.1	95	115	173	55	25							
RDM05222-1	22.2	95	115	173	55	25							
RDM05223-1	22.3	95	115	173	55	25							
RDM05224-1	22.4	95	115	173	55	25							
RDM05225-1	22.5	95	115	173	55	25							
RDM05226-1	22.6	95	115	173	55	25							
RDM05227-1	22.7	95	115	173	55	25							
RDM05228-1	22.8	95	115	173	55	25							
RDM05229-1	22.9	95	115	173	55	25							
RDM05230-1	23.0	95	115	173	55	25							
RDM05231-1	23.1	95	115	173	55	25							
RDM05232-1	23.2	95	115	173	55	25							
RDM05233-1	23.3	95	115	173	55	25							
RDM05234-1	23.4	95	115	173	55	25							
RDM05235-1	23.5	95	115	173	55	25							
RDM05236-1	23.6	95	115	173	55	25							
RDM05237-1	23.7	95	115	173	55	25							
RDM05238-1	23.8	95	115	173	55	25							
RDM05239-1	23.9	95	115	173	55	25							

RNT SERIES

RNT SERIES



TOOL MATERIAL



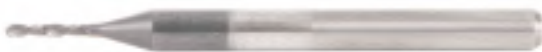
CARBIDE



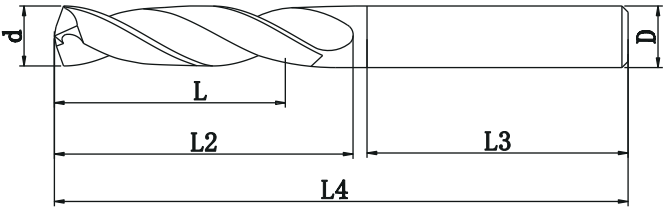
SHANK DIA.
TOLERANCE



POINT ANGLE



5D



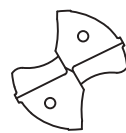
Order number	flute diameter d	flute length L2	overall length L4	Shank diameter D
RNT050010-0	0.10	4	38	3
RNT050020-0	0.20	4	38	3
RNT050030-0	0.30	4	38	3
RNT050040-0	0.40	4	38	3
RNT050050-0	0.50	5	38	3
RNT050060-0	0.60	5	38	3
RNT050070-0	0.70	5	38	3
RNT050080-0	0.80	5	38	3
RNT050090-0	0.90	5	38	3
RNT050100-0	1.00	6	38	3
RNT050110-0	1.10	6	38	3
RNT050120-0	1.20	6	38	3
RNT050130-0	1.30	8	38	3
RNT050140-0	1.40	8	38	3
RNT050150-0	1.50	8	38	3
RNT050160-0	1.60	8	38	3
RNT050170-0	1.70	8	38	3
RNT050180-0	1.80	8	38	3
RNT050190-0	1.90	8	38	3
RNT050200-0	2.00	8	38	3
RNT050210-0	2.10	10	38	3
RNT050220-0	2.20	10	38	3
RNT050230-0	2.30	10	38	3
RNT050240-0	2.40	10	38	3
RNT050250-0	2.50	10	38	3
RNT050260-0	2.60	10	38	3
RNT050270-0	2.70	10	38	3
RNT050280-0	2.80	10	38	3
RNT050290-0	2.90	10	38	3

Advantages:

- ♦ D1 can be grinded up to 80 times diameter
- ♦ Minimum D0.6 for drills with coolant supply
- ♦ The accuracy can be guaranteed within 0.005

RNT SERIES

With coolant supply



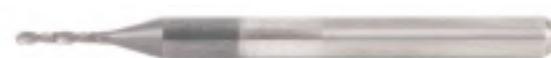
TOOL MATERIAL



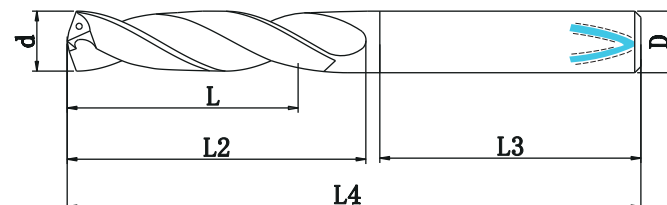
SHANK DIA.
TOLERANCE



POINT ANGLE



5D

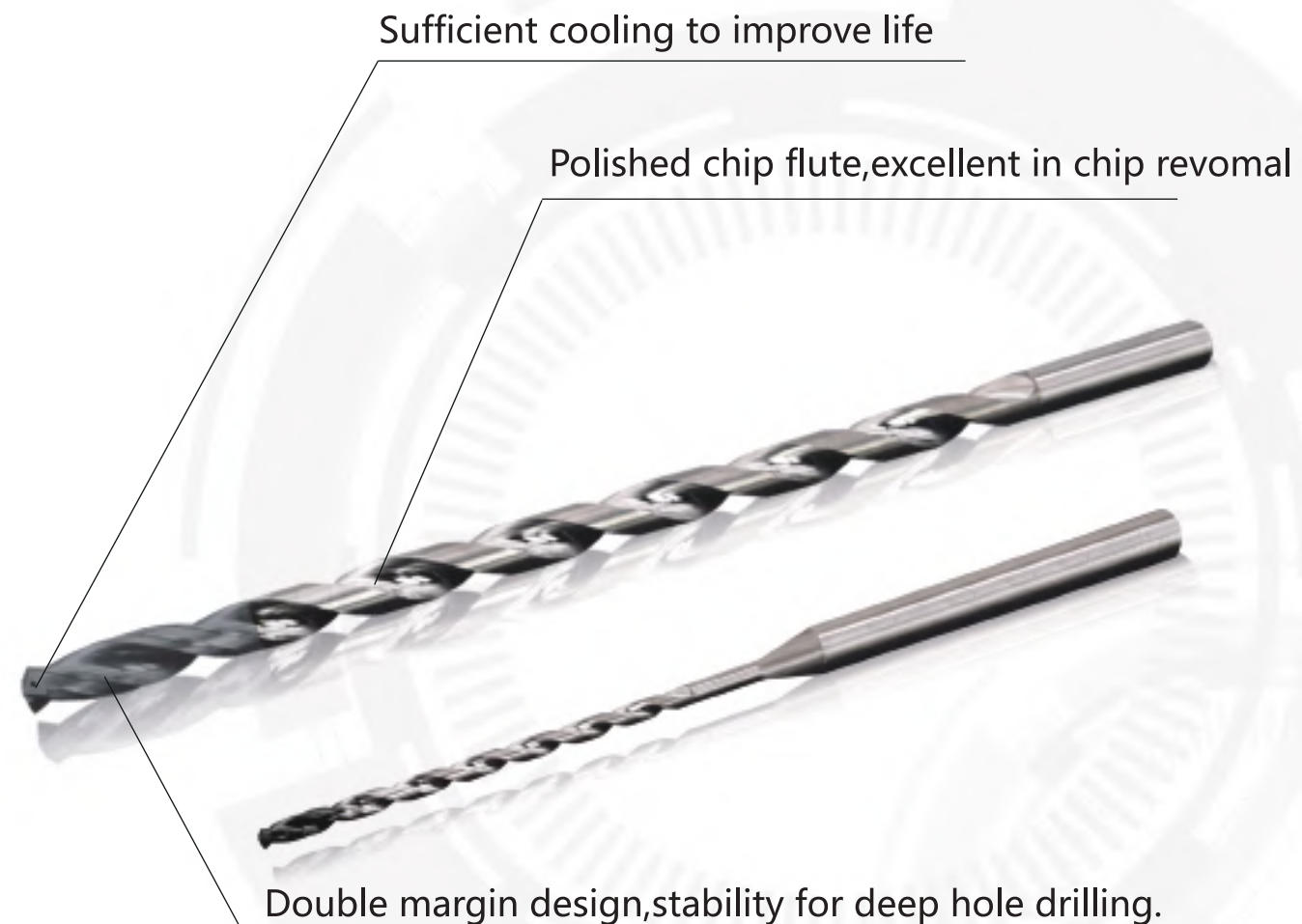


Order number	flute diameter d	flute length L2	overall length L4	Shank diameter D
RNT050060-1	0.60	5	38	3
RNT050070-1	0.70	5	38	3
RNT050080-1	0.80	5	38	3
RNT050090-1	0.90	5	38	3
RNT050100-1	1.00	6	38	3
RNT050110-1	1.10	6	38	3
RNT050120-1	1.20	6	38	3
RNT050130-1	1.30	8	38	3
RNT050140-1	1.40	8	38	3
RNT050150-1	1.50	8	38	3
RNT050160-1	1.60	8	38	3
RNT050170-1	1.70	8	38	3
RNT050180-1	1.80	8	38	3
RNT050190-1	1.90	8	38	3
RNT050200-1	2.00	8	38	3
RNT050210-1	2.10	10	38	3
RNT050220-1	2.20	10	38	3
RNT050230-1	2.30	10	38	3
RNT050240-1	2.40	10	38	3
RNT050250-1	2.50	10	38	3
RNT050260-1	2.60	10	38	3
RNT050270-1	2.70	10	38	3
RNT050280-1	2.80	10	38	3
RNT050290-1	2.90	10	38	3

RDS SERIES

With coolant supply

Max 50D



Advantages:

- ◆ Double margin design, stability for deep hole drilling.
- ◆ Fine polishing chip flute, excellent in chip removal, sufficient cooling.
- ◆ Strong cutting edge, Improve process reliability

RDS SERIES

With coolant supply



8D



Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDS08030-1	D3.0	28	34	80	36	6	RDS08060-1	D6.0	48	57	97	36	6
RDS08031-1	D3.1	28	34	80	36	6	RDS08061-1	D6.1	55	66	106	36	8
RDS08032-1	D3.2	28	34	80	36	6	RDS08062-1	D6.2	55	66	106	36	8
RDS08033-1	D3.3	28	34	80	36	6	RDS08063-1	D6.3	55	66	106	36	8
RDS08034-1	D3.4	28	34	80	36	6	RDS08064-1	D6.4	55	66	106	36	8
RDS08035-1	D3.5	28	34	80	36	6	RDS08065-1	D6.5	55	66	106	36	8
RDS08036-1	D3.6	28	34	80	36	6	RDS08066-1	D6.6	55	66	106	36	8
RDS08037-1	D3.7	28	34	80	36	6	RDS08067-1	D6.7	55	66	106	36	8
RDS08038-1	D3.8	37	45	85	36	6	RDS08068-1	D6.8	55	66	106	36	8
RDS08039-1	D3.9	37	45	85	36	6	RDS08069-1	D6.9	55	66	106	36	8
RDS08040-1	D4.0	37	45	85	36	6	RDS08070-1	D7.0	55	66	106	36	8
RDS08041-1	D4.1	37	45	85	36	6	RDS08071-1	D7.1	64	76	116	36	8
RDS08042-1	D4.2	37	45	85	36	6	RDS08072-1	D7.2	64	76	116	36	8
RDS08043-1	D4.3	37	45	85	36	6	RDS08073-1	D7.3	64	76	116	36	8
RDS08044-1	D4.4	37	45	85	36	6	RDS08074-1	D7.4	64	76	116	36	8
RDS08045-1	D4.5	37	45	85	36	6	RDS08075-1	D7.5	64	76	116	36	8
RDS08046-1	D4.6	37	45	85	36	6	RDS08076-1	D7.6	64	76	116	36	8
RDS08047-1	D4.7	37	45	85	36	6	RDS08077-1	D7.7	64	76	116	36	8
RDS08048-1	D4.8	48	57	97	36	6	RDS08078-1	D7.8	64	76	116	36	8
RDS08049-1	D4.9	48	57	97	36	6	RDS08079-1	D7.9	64	76	116	36	8
RDS08050-1	D5.0	48	57	97	36	6	RDS08080-1	D8.0	64	76	116	36	8
RDS08051-1	D5.1	48	57	97	36	6	RDS08081-1	D8.1	80	95	139	40	10
RDS08052-1	D5.2	48	57	97	36	6	RDS08082-1	D8.2	80	95	139	40	10
RDS08053-1	D5.3	48	57	97	36	6	RDS08083-1	D8.3	80	95	139	40	10
RDS08054-1	D5.4	48	57	97	36	6	RDS08084-1	D8.4	80	95	139	40	10
RDS08055-1	D5.5	48	57	97	36	6	RDS08085-1	D8.5	80	95	139	40	10
RDS08056-1	D5.6	48	57	97	36	6	RDS08086-1	D8.6	80	95	139	40	10
RDS08057-1	D5.7	48	57	97	36	6	RDS08087-1	D8.7	80	95	139	40	10
RDS08058-1	D5.8	48	57	97	36	6	RDS08088-1	D8.8	80	95	139	40	10
RDS08059-1	D5.9	48	57	97	36	6	RDS08089-1	D8.9	80	95	139	40	10

RDS SERIES

With coolant supply



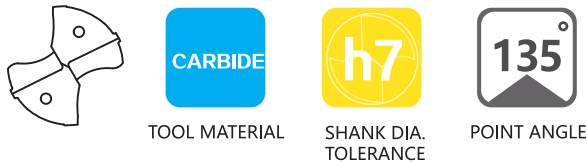
8D



Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDS08090-1	D9.0	80	95	139	40	10	RDS08120-1	D12.0	96	114	163	45	12
RDS08091-1	D9.1	80	95	139	40	10	RDS08125-1	D12.5	119	133	182	45	14
RDS08092-1	D9.2	80	95	139	40	10	RDS0812 -1	12.7	119	133	182	45	14
RDS08093-1	D9.3	80	95	139	40	10	RDS08130-1	D13.0	119	133	182	45	14
RDS08094-1	D9.4	80	95	139	40	10	RDS08135-1	D13.5	119	133	182	45	14
RDS08095-1	D9.5	80	95	139	40	10	RDS08140-1	D14.0	119	133	182	45	14
RDS08096-1	D9.6	80	95	139	40	10	RDS08145-1	D14.5	136	152	204	48	16
RDS08097-1	D9.7	80	95	139	40	10	RDS08150-1	D15.0	136	152	204	48	16
RDS08098-1	D9.8	80	95	139	40	10	RDS08155-1	D15.5	136	152	204	48	16
RDS08099-1	D9.9	80	95	139	40	10	RDS08160-1	D16.0	136	152	204	48	16
RDS08100-1	D10.0	80	95	139	40	10	RDS08165-1	D16.5	153	171	223	48	18
RDS08101-1	D10.1	96	114	163	45	12	RDS08170-1	D17.0	153	171	223	48	18
RDS08102-1	D10.2	96	114	163	45	12	RDS08175-1	D17.5	153	171	223	48	18
RDS08103-1	D10.3	96	114	163	45	12	RDS08180-1	D18.0	153	171	223	48	18
RDS08104-1	D10.4	96	114	163	45	12	RDS08185-1	D18.5	170	190	244	50	20
RDS08105-1	D10.5	96	114	163	45	12	RDS08190-1	D19.0	170	190	244	50	20
RDS08106-1	D10.6	96	114	163	45	12	RDS08195-1	D19.5	170	190	244	50	20
RDS08107-1	D10.7	96	114	163	45	12	RDS08200-1	D20.0	170	190	244	50	20
RDS08108-1	D10.8	96	114	163	45	12							
RDS08109-1	D10.9	96	114	163	45	12							
RDS08110-1	D11.0	96	114	163	45	12							
RDS08111-1	D11.1	96	114	163	45	12							
RDS08112-1	D11.2	96	114	163	45	12							
RDS08113-1	D11.3	96	114	163	45	12							
RDS08114-1	D11.4	96	114	163	45	12							
RDS08115-1	D11.5	96	114	163	45	12							
RDS08116-1	D11.6	96	114	163	45	12							
RDS08117-1	D11.7	96	114	163	45	12							
RDS08118-1	D11.8	96	114	163	45	12							
RDS08119-1	D11.9	96	114	163	45	12							

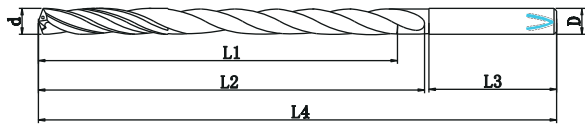
RNS SERIES

With coolant supply



8D

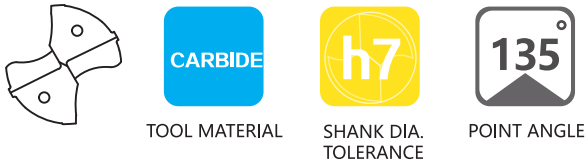
P	M	K	N	S	H	O
●	●	●	●			



Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RNS080060-1	0.60	8	10	50	25	3	RNS080205-1	2.05	20	24	63	36	3
RNS080070-1	0.70	8	10	50	25	3	RNS080210-1	2.10	20	24	63	36	3
RNS080075-1	0.75	8.5	10	50	25	3	RNS080215-1	2.15	21	25	63	36	3
RNS080080-1	0.80	8.5	10	50	25	3	RNS080220-1	2.20	21	25	63	36	3
RNS080088-1	0.88	8.5	10	50	25	3	RNS080225-1	2.25	22	26	67	36	3
RNS080090-1	0.90	8.5	10	50	25	3	RNS080230-1	2.30	22	26	67	36	3
RNS080095-1	0.95	8.5	10	50	25	3	RNS080235-1	2.35	24	28	67	36	3
RNS080100-1	1.00	12	15	55	36	3	RNS080240-1	2.40	24	28	67	36	3
RNS080105-1	1.05	12	15	55	36	3	RNS080245-1	2.45	25	29	67	36	3
RNS080108-1	1.08	12	15	55	36	3	RNS080250-1	2.50	25	29	67	36	3
RNS080110-1	1.10	12	15	55	36	3	RNS080255-1	2.55	26	30	71	36	3
RNS080115-1	1.15	12	15	55	36	3	RNS080260-1	2.60	26	30	71	36	3
RNS080120-1	1.20	12	15	55	36	3	RNS080265-1	2.65	26	31	71	36	3
RNS080125-1	1.25	12	15	55	36	3	RNS080270-1	2.70	26	31	71	36	3
RNS080130-1	1.30	12	15	55	36	3	RNS080275-1	2.75	27	32	71	36	3
RNS080135-1	1.35	12	15	55	36	3	RNS080280-1	2.80	27	32	71	36	3
RNS080140-1	1.40	12	15	55	36	3	RNS080285-1	2.85	28	33	71	36	3
RNS080145-1	1.45	12	15	55	36	3	RNS080290-1	2.90	28	33	71	36	3
RNS080150-1	1.50	17	20	68	36	3	RNS080295-1	2.95	29	34	71	36	3
RNS080155-1	1.55	17	20	68	36	3							
RNS080160-1	1.60	17	20	68	36	3							
RNS080165-1	1.65	17	20	68	36	3							
RNS080170-1	1.70	17	20	68	36	3							
RNS080175-1	1.75	17	20	68	36	3							
RNS080180-1	1.80	17	20	68	36	3							
RNS080182-1	1.82	17	20	68	36	3							
RNS080185-1	1.85	17	20	68	36	3							
RNS080190-1	1.90	17	20	68	36	3							
RNS080195-1	1.95	17	20	68	36	3							
RNS080200-1	2.00	20	23	63	36	3							

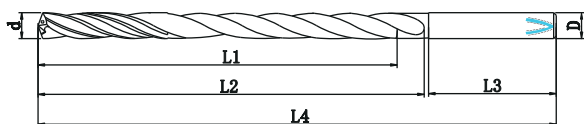
RDS SERIES

With coolant supply



12D

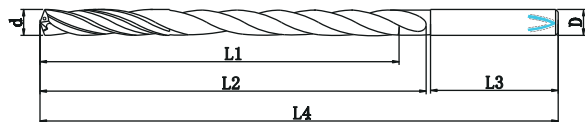
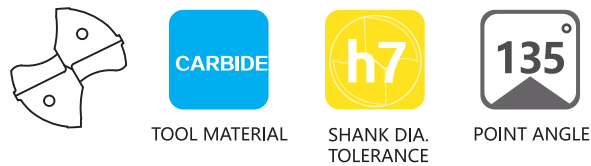
P	M	K	N	S	H	O
●	●	●	●			



Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDS12030-1	D3.0	48	54	92	36	6	RDS12060-1	D6.0	74	83	121	36	6
RDS12031-1	D3.1	48	54	92	36	6	RDS12061-1	D6.1	98	110	148	36	8
RDS12032-1	D3.2	48	54	92	36	6	RDS12062-1	D6.2	98	110	148	36	8
RDS12033-1	D3.3	48	54	92	36	6	DS12063-1	D6.3	98	11	148	36	8
RDS12034-1	D3.4	48	54	92	36	6	RDS12064-1	D6.4	98	110	148	36	8
RDS12035-1	D3.5	48	54	92	36	6	RDS12065-1	D6.5	98	110	148	36	8
RDS12036-1	D3.6	48	54	92	36	6	RDS12066-1	D6.6	98	110	148	36	8
RDS12037-1	D3.7	48	54	92	36	6	RDS12067-1	D6.7	98	110	148	36	8
RDS12038-1	D3.8	56	64	102	36	6	RDS12068-1	D6.8	98	110	148	36	8
RDS12039-1	D3.9	56	64	102	36	6	RDS12069-1	D6.9	98	110	148	36	8
RDS12040-1	D4.0	56	64	102	36	6	RDS12070-1	D7.0	98	110	148	36	8
RDS12041-1	D4.1	56	64	102	36	6	RDS12071-1	D7.1	98	110	148	36	8
RDS12042-1	D4.2	56	64	102	36	6	RDS12072-1	D7.2	98	110	148	36	8
RDS12043-1	D4.3	56	64	102	36	6	RDS12073-1	D7.3	98	110	148	36	8
RDS12044-1	D4.4	56	64	102	36	6	RDS12074-1	D7.4	98	110	148	36	8
RDS12045-1	D4.5	56	64	102	36	6	RDS12075-1	D7.5	98	110	148	36	8
RDS12046-1	D4.6	56	64	102	36	6	RDS12076-1	D7.6	98	110	148	36	8
RDS12047-1	D4.7	56	64	102	36	6	RDS12077-1	D7.7	98	110	148	36	8
RDS12048-1	D4.8	74	83	121	36	6	RDS12078-1	D7.8	98	110	148	36	8
RDS12049-1	D4.9	74	83	121	36	6	RDS12079-1	D7.9	98	110	148	36	8
RDS12050-1	D5.0	74	83	121	36	6	RDS12080-1	D8.0	98	110	148	36	8
RDS12051-1	D5.1	74	83	121	36	6	RDS12081-1	D8.1	123	138	180	40	10
RDS12052-1	D5.2	74	83	121	36	6	RDS12082-1	D8.2	123	138	180	40	10
RDS12053-1	D5.3	74	83	121	36	6	RDS12083-1	D8.3	123	138	180	40	10
RDS12054-1	D5.4	74	83	121	36	6	RDS12084-1	D8.4	123	138	180	40	10
RDS12055-1	D5.5	74	83	121	36	6	RDS12085-1	D8.5	123	138	180	40	10
RDS12056-1	D5.6	74	83	121	36	6	RDS12086-1	D8.6	123	138	180	40	10
RDS12057-1	D5.7	74	83	121	36	6	RDS12087-1	D8.7	123	138	180	40	10
RDS12058-1	D5.8	74	83	121	36	6	RDS12088-1	D8.8	123	138	180	40	10
RDS12059-1	D5.9	74	83	121	36	6	RDS12089-1	D8.9	123	138	180	40	10

RDS SERIES

With coolant supply



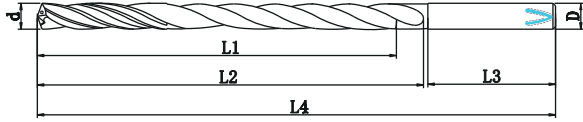
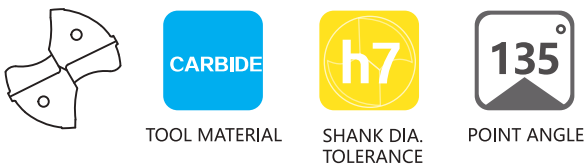
12D



Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDS12090-1	D9.0	123	138	180	40	10	RDS12120-1	D12.0	140	158	206	45	12
RDS12091-1	D9.1	123	138	180	40	10	RDS12121-1	D12.1	168	182	230	45	14
RDS12092-1	D9.2	123	138	180	40	10	RDS12122-1	D12.2	168	182	230	45	14
RDS12093-1	D9.3	123	138	180	40	10	RDS12123-1	D12.3	168	182	230	45	14
RDS12094-1	D9.4	123	138	180	40	10	RDS12124-1	D12.4	168	182	230	45	14
RDS12095-1	D9.5	123	138	180	40	10	RDS12125-1	D12.5	168	182	230	45	14
RDS12096-1	D9.6	123	138	180	40	10	RDS12126-1	D12.6	168	182	230	45	14
RDS12097-1	D9.7	123	138	180	40	10	RDS12127-1	D12.7	168	182	230	45	14
RDS12098-1	D9.8	123	138	180	40	10	RDS12128-1	D12.8	168	182	230	45	14
RDS12099-1	D9.9	123	138	180	40	10	RDS12129-1	D12.9	168	182	230	45	14
RDS12100-1	D10.0	123	138	180	40	10	RDS12130-1	D13.0	168	182	230	45	14
RDS12101-1	D10.1	140	158	206	45	12	RDS12135-1	D13.5	168	182	230	45	14
RDS12102-1	D10.2	140	158	206	45	12	RDS12140-1	D14.0	168	182	230	45	14
RDS12103-1	D10.3	140	158	206	45	12	RDS12145-1	D14.5	168	208	260	48	16
RDS12104-1	D10.4	140	158	206	45	12	RDS12150-1	D15.0	168	208	260	48	16
RDS12105-1	D10.5	140	158	206	45	12	RDS12155-1	D15.5	168	208	260	48	16
RDS12106-1	D10.6	140	158	206	45	12	RDS12160-1	D16.0	168	208	260	48	16
RDS12107-1	D10.7	140	158	206	45	12	RDS12165-1	D16.5	216	234	285	48	18
RDS12108-1	D10.8	140	158	206	45	12	RDS12170-1	D17.0	216	234	285	48	18
RDS12109-1	D10.9	140	158	206	45	12	RDS12175-1	D17.5	216	234	285	48	18
RDS12110-1	D11.0	140	158	206	45	12	RDS12180-1	D18.0	216	234	285	48	18
RDS12111-1	D11.1	140	158	206	45	12	RDS12185-1	D18.5	238	258	310	50	20
RDS12112-1	D11.2	140	158	206	45	12	RDS12190-1	D19.0	238	258	310	50	20
RDS12113-1	D11.3	140	158	206	45	12	RDS12195-1	D19.5	238	258	310	50	20
RDS12114-1	D11.4	140	158	206	45	12	RDS12200-1	D20.0	238	258	310	50	20
RDS12115-1	D11.5	140	158	206	45	12							
RDS12116-1	D11.6	140	158	206	45	12							
RDS12117-1	D11.7	140	158	206	45	12							
RDS12118-1	D11.8	140	158	206	45	12							
RDS12119-1	D11.9	140	158	206	45	12							

RNS SERIES

With coolant supply



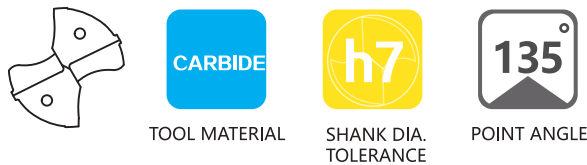
12D



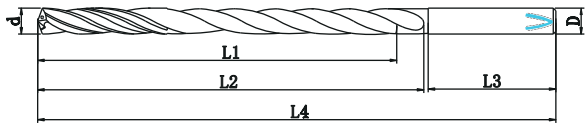
Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RNS1200060-1	0.60	10	13	50	25	3
RNS1200070-1	0.70	10	13	50	25	3
RNS1200080-1	0.80	13	16	50	25	3
RNS1200090-1	0.90	13	16	50	25	3
RNS1200100-1	1.00	15	18	50	25	3
RNS1200110-1	1.10	15	18	50	26	3
RNS1200120-1	1.20	18	21	55	26	3
RNS1200130-1	1.30	18	21	55	26	3
RNS1200140-1	1.40	18	21	55	26	3
RNS1200150-1	1.50	22	25	65	33	3
RNS1200160-1	1.60	22	25	65	33	3
RNS1200170-1	1.70	25	28	68	33	3
RNS1200180-1	1.80	25	28	68	36	3
RNS1200190-1	1.90	25	28	68	36	3
RNS1200200-1	2.00	28	31	72	36	3
RNS1200210-1	2.10	29	33	72	36	3
RNS1200220-1	2.20	30	34	72	36	3
RNS1200230-1	2.30	32	36	77	36	3
RNS1200240-1	2.40	33	37	77	36	3
RNS1200250-1	2.50	35	39	77	36	3
RNS1200260-1	2.60	36	40	83	36	3
RNS1200270-1	2.70	37	42	83	36	3
RNS1200280-1	2.80	38	43	83	36	3
RNS1200290-1	2.90	40	45	83	36	3

RDS SERIES

With coolant supply



16D



20D

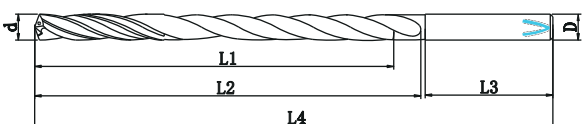
Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDS16030-1	D3.0	52	57	100	36	6	RDS20030-1	D3.0	60	65	110	36	6
RDS16035-1	D3.5	72	78	120	36	6	RDS20035-1	D3.5	86	92	135	36	6
RDS16040-1	D4.0	72	78	120	36	6	RDS20040-1	D4.0	86	92	135	36	6
RDS16045-1	D4.5	92	100	140	36	6	RDS20045-1	D4.5	110	118	160	36	6
RDS16048-1	D4.8	92	100	140	36	6	RDS20048-1	D4.8	110	118	160	36	6
RDS16050-1	D5.0	92	100	140	36	6	RDS20050-1	D5.0	110	118	160	36	6
RDS16055-1	D5.5	101	110	150	36	6	RDS20055-1	D5.5	123	132	175	36	6
RDS16058-1	D5.8	111	120	160	36	6	RDS20058-1	D5.8	135	144	185	36	6
RDS16060-1	D6.0	111	120	160	36	6	RDS20060-1	D6.0	135	144	185	36	6
RDS16061-1	D6.1	124	135	175	36	8	RDS20061-1	D6.1	151	162	200	36	8
RDS16065-1	D6.5	124	135	175	36	8	RDS20065-1	D6.5	151	162	200	36	8
RDS16068-1	D6.8	124	135	175	36	8	RDS20068-1	D6.8	151	162	200	36	8
RDS16070-1	D7.0	124	135	175	36	8	RDS20070-1	D7.0	151	162	200	36	8
RDS16074-1	D7.4	140	152	192	36	8	RDS20074-1	D7.4	172	184	222	36	8
RDS16075-1	D7.5	140	152	192	36	8	RDS20075-1	D7.5	172	184	222	36	8
RDS16080-1	D8.0	140	152	192	36	8	RDS20080-1	D8.0	172	184	222	36	8
RDS16083-1	D8.3	148	162	206	40	10	RDS20083-1	D8.3	184	198	240	40	10
RDS16085-1	D8.5	148	162	206	40	10	RDS20085-1	D8.5	184	198	240	40	10
RDS16090-1	D9.0	148	162	206	40	10	RDS20090-1	D9.0	184	198	240	40	10
RDS16098-1	D9.8	165	180	224	40	10	RDS20098-1	D9.8	205	220	262	40	10
RDS16100-1	D10.0	165	180	224	40	10	RDS20100-1	D10.0	205	220	262	40	10
RDS16102-1	D10.2	181	198	247	45	12	RDS20102-1	D10.2	225	242	289	45	12
RDS16110-1	D11.0	181	198	247	45	12	RDS20111-1	D11.0	225	242	289	45	12
RDS16115-1	D11.5	198	216	265	45	12	RDS20115-1	D11.5	246	264	311	45	12
RDS16118-1	D11.8	198	216	265	45	12	RDS20118-1	D11.8	246	264	311	45	12
RDS16120-1	D12.0	198	216	265	45	12	RDS20120-1	D12.0	246	264	311	45	12
RDS16127-1	D12.7	238	252	301	45	14	RDS20127-1	D12.7	294	308	357	45	14
RDS16130-1	D13.0	238	252	301	45	14	RDS20130-1	D13.0	294	308	357	45	14
RDS16140-1	D14.0	238	252	301	45	14	RDS20140-1	D14.0	294	308	357	45	14
RDS16150-1	D15.0	272	288	340	48	16	RDS20150-1	D15.0	336	352	404	48	16
RDS16160-1	D16.0	272	288	340	48	16	RDS20160-1	D16.0	336	352	404	48	16

RNS SERIES

With coolant supply



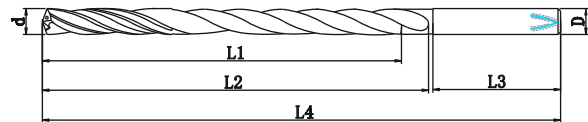
16D



20D

Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RNS1600060-1	0.60	13	16	60	36	3	RNS2000060-1	0.60	16	19	60	36	3
RNS1600070-1	0.70	13	16	60	36	3	RNS2000070-1	0.70	16	19	60	36	3
RNS1600080-1	0.80	17	20	65	36	3	RNS2000080-1	0.80	20	23	65	36	3
RNS1600090-1	0.90	17	20	65	36	3	RNS2000090-1	0.90	20	23	65	36	3
RNS1600100-1	1.00	20	23	65	36	3	RNS2000100-1	1.00	24	27	70	36	3
RNS1600110-1	1.10	20	23	65	36	3	RNS2000110-1	1.10	24	27	70	36	3
RNS1600120-1	1.20	24	27	70	36	3	RNS2000120-1	1.20	28	30	70	36	3
RNS1600130-1	1.30	24	27	70	36	3	RNS2000130-1	1.30	28	30	70	36	3
RNS1600140-1	1.40	24	27	70	36	3	RNS2000140-1	1.40	28	30	70	36	3
RNS1600150-1	1.50	28	31	75	36	3	RNS2000150-1	1.50	34	37	80	36	3
RNS1600160-1	1.60	28	31	75	36	3	RNS2000160-1	1.60	34	37	80	36	3
RNS1600170-1	1.70	32	35	75	36	3	RNS2000170-1	1.70	40	43	85	36	3
RNS1600180-1	1.80	32	35	75	36	3	RNS2000180-1	1.80	40	43	85	36	3
RNS1600190-1	1.90	32	35	75	36	3	RNS2000190-1	1.90	40	43	85	36	3
RNS1600200-1	2.00	36	39	81	36	3	RNS2000200-1	2.00	44	47	90	36	3
RNS1600210-1	2.10	37	41	81	36	3	RNS2000210-1	2.10	45	49	90	36	3
RNS1600220-1	2.20	39	43	81	36	3	RNS2000220-1	2.20	48	52	90	36	3
RNS1600230-1	2.30	39	45	87	36	3	RNS2000230-1	2.30	50	54	97	36	3
RNS1600240-1	2.40	43	47	87	36	3	RNS2000240-1	2.40	52	56	97	36	3
RNS1600250-1	2.50	45	49	87	36	3	RNS2000250-1	2.50	55	59	97	36	3
RNS1600260-1	2.60	47	51	95	36	3	RNS2000260-1	2.60	57	61	107	36	3
RNS1600270-1	2.70	48	53	95	36	3	RNS2000270-1	2.70	58	63	107	36	3
RNS1600280-1	2.80	50	55	95	36	3	RNS2000280-1	2.80	61	66	107	36	3
RNS1600290-1	2.90	52	57	95	36	3	RNS2000290-1	2.90	63	68	107	36	3

RDS SERIES
With coolant supply



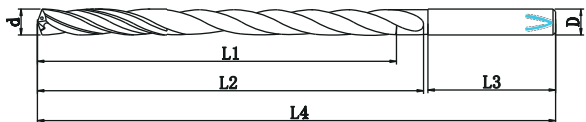
25D



30D

Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDS25030-1	D3.0	79	84	125	36	6	RDS30030-1	D3.0	92	97	135	36	6
RDS25035-1	D3.5	108	114	155	36	6	RDS30035-1	D3.5	127	133	166	36	6
RDS25040-1	D4.0	108	114	155	36	6	RDS30040-1	D4.0	127	133	166	36	6
RDS25045-1	D4.5	137	145	185	36	6	RDS30045-1	D4.5	162	169	210	36	6
RDS25048-1	D4.8	137	145	185	36	6	RDS30048-1	D4.8	162	169	210	36	6
RDS25050-1	D5.0	137	145	185	36	6	RDS30050-1	D5.0	162	169	210	36	6
RDS25055-1	D5.5	151	160	200	36	6	RDS30055-1	D5.5	178	187	230	36	6
RDS25060-1	D6.0	165	174	214	36	6	RDS30060-1	D6.0	195	204	245	36	6
RDS25061-1	D6.1	183	194	234	36	8	RDS30065-1	D6.5	217	228	268	36	8
RDS25065-1	D6.5	183	194	234	36	8	RDS30068-1	D6.8	217	228	268	36	8
RDS25068-1	D6.8	183	194	234	36	8	RDS30070-1	D7.0	217	228	268	36	8
RDS25070-1	D7.0	183	194	234	36	8	RDS30074-1	D7.4	244	256	294	36	8
RDS25080-1	D8.0	209	220	260	36	8	RDS30080-1	D8.0	244	256	294	36	8
RDS25085-1	D8.5	229	243	289	40	10	RDS30085-1	D8.5	273	287	330	40	10
RDS25090-1	D9.0	229	243	289	40	10	RDS30090-1	D9.0	273	287	330	40	10
RDS25098-1	D9.8	255	270	314	40	10	RDS30100-1	D10.0	305	320	364	40	10
RDS25100-1	D10.0	255	270	314	40	12	RDS30102-1	D10.2	335	352	401	45	12
RDS25102-1	D10.2	280	297	346	45	12	RDS30110-1	D11.0	335	352	401	45	12
RDS25110-1	D11.0	280	297	346	45	12	RDS30120-1	D12.0	364	382	430	45	12
RDS25115-1	D11.5	306	324	373	45	12							
RDS25120-1	D12.0	306	324	373	45	12							

RNS SERIES
With coolant supply



25D

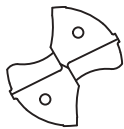


30D

Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RNS2500060-1	0.60	20	23	65	36	3	RNS3000060-1	0.60	23	26	65	36	3
RNS2500070-1	0.70	20	23	65	36	3	RNS3000070-1	0.70	23	26	65	36	3
RNS2500080-1	0.80	25	28	70	36	3	RNS3000080-1	0.80	30	33	75	36	3
RNS2500090-1	0.90	25	28	70	36	3	RNS3000090-1	0.90	30	33	75	36	3
RNS2500100-1	1.00	30	33	75	36	3	RNS3000100-1	1.00	35	38	85	36	3
RNS2500110-1	1.10	35	38	75	36	3	RNS3000110-1	1.10	35	38	85	36	3
RNS2500120-1	1.20	35	38	75	36	3	RNS3000120-1	1.20	40	43	85	36	3
RNS2500130-1	1.30	37	40	80	36	3	RNS3000130-1	1.30	40	43	85	36	3
RNS2500140-1	1.40	37	40	80	36	3	RNS3000140-1	1.40	47	50	90	36	3
RNS2500150-1	1.50	43	46	85	36	3	RNS3000150-1	1.50	47	50	90	36	3
RNS2500160-1	1.60	43	46	85	36	3	RNS3000160-1	1.60	55	58	100	36	3
RNS2500170-1	1.70	50	53	95	36	3	RNS3000170-1	1.70	55	58	100	36	3
RNS2500180-1	1.80	50	53	95	36	3	RNS3000180-1	1.80	60	63	105	36	3
RNS2500190-1	1.90	50	53	95	36	3	RNS3000190-1	1.90	60	63	105	36	3
RNS2500200-1	2.00	54	57	101	36	3	RNS3000200-1	2.00	64	67	112	36	3
RNS2500210-1	2.10	56	60	101	36	3	RNS3000210-1	2.10	66	70	112	36	3
RNS2500220-1	2.20	59	63	101	36	3	RNS3000220-1	2.20	70	74	112	36	3
RNS2500230-1	2.30	62	66	107	36	3	RNS3000230-1	2.30	73	77	122	36	3
RNS2500240-1	2.40	64	68	107	36	3	RNS3000240-1	2.40	76	80	122	36	3
RNS2500250-1	2.50	67	71	107	36	3	RNS3000250-1	2.50	80	84	122	36	3
RNS2500260-1	2.60	70	74	122	36	3	RNS3000260-1	2.60	83	87	136	36	3
RNS2500270-1	2.70	72	77	122	36	3	RNS3000270-1	2.70	85	90	136	36	3
RNS2500280-1	2.80	75	80	122	36	3	RNS3000280-1	2.80	89	94	136	36	3
RNS2500290-1	2.90	78	83	122	36	3	RNS3000290-1	2.90	92	97	136	36	3

RDS SERIES

With coolant supply





TOOL MATERIAL



SHANK DIA.
TOLERANCE

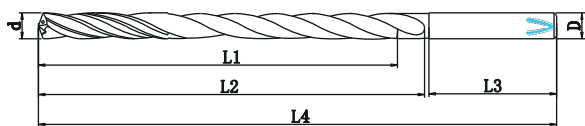


POINT ANGLE



40D

P	M	K	N	S	H	O
●	●	●	●	●	●	●

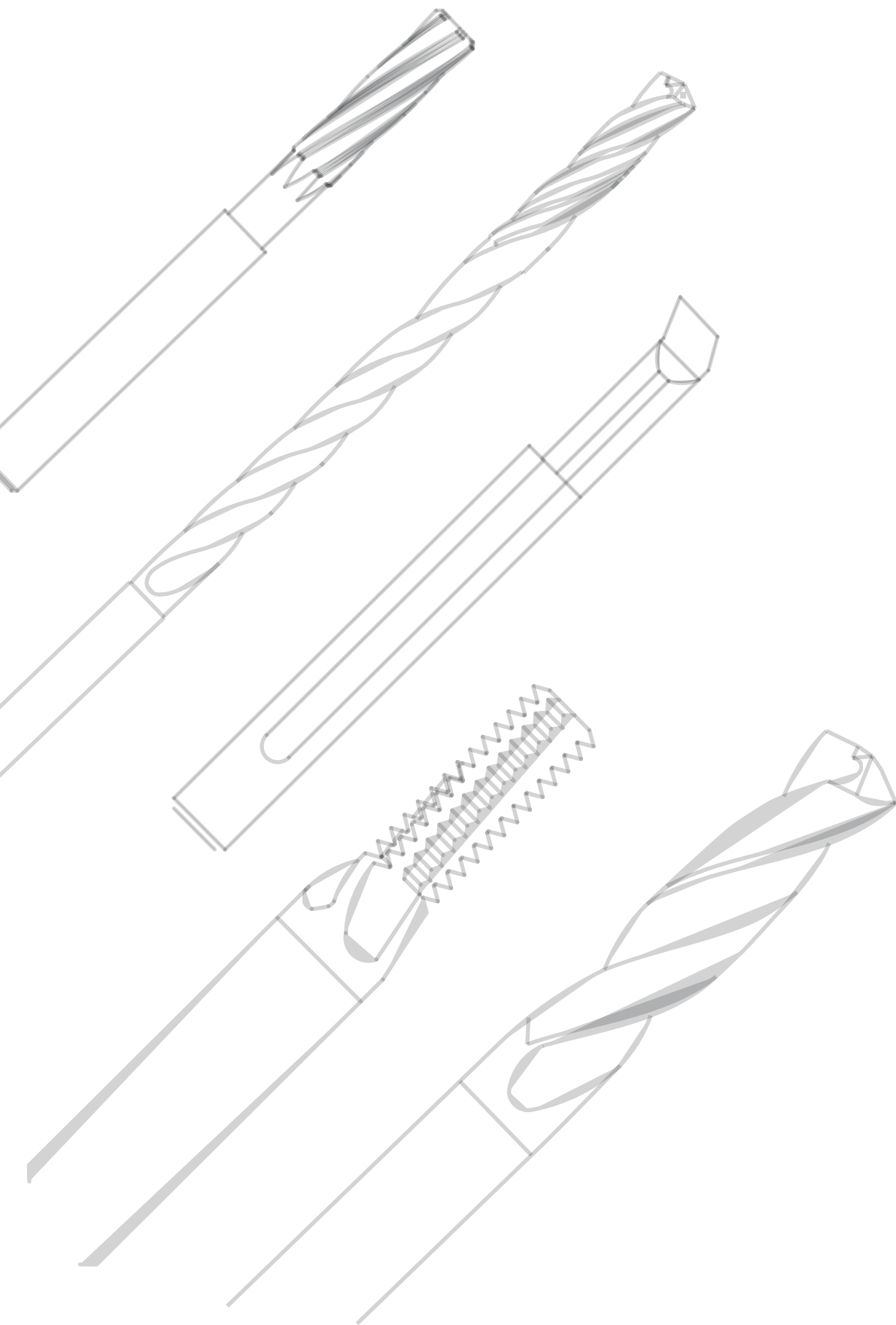


50D

Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D	Order number	flute diameter d	max. cutting depth L1	flute length L2	overall length L4	Shank length L3	Shank diameter D
RDS40030-1	3.00	134	139	180	36	6	RDS50030-1	3.00	166	171	215	36	6
RDS40035-1	3.50	150	156	198	36	6	RDS50035-1	3.50	186	192	235	36	6
RDS40040-1	4.00	168	174	215	36	6	RDS50040-1	4.00	208	214	255	36	6
RDS40045-1	4.50	188	195	236	36	6	RDS50045-1	4.50	233	240	283	36	6
RDS40048-1	4.80	209	217	258	36	6	RDS50048-1	4.80	259	267	310	36	6
RDS40050-1	5.00	209	217	258	36	6	RDS50050-1	5.00	259	267	310	36	6
RDS40055-1	5.50	248	257	300	36	6	RDS50055-1	5.50	308	317	358	36	6
RDS40058-1	5.80	248	257	300	36	6	RDS50060-1	6.00	308	317	358	36	6
RDS40060-1	6.00	248	257	300	36	6	RDS50061-1	6.10	337	347	389	36	8
RDS40061-1	6.10	272	282	324	36	8	RDS50065-1	6.50	337	347	389	36	8
RDS40065-1	6.50	272	282	324	36	8	RDS50068-1	6.80	357	368	409	36	8
RDS40068-1	6.80	287	298	339	36	8	RDS50070-1	7.00	357	368	409	36	8
RDS40070-1	7.00	287	298	339	36	8	RDS50074-1	7.40	388	400	441	36	8
RDS40075-1	7.50	313	325	366	36	8	RDS50075-1	7.50	388	400	441	36	8
RDS40080-1	8.00	330	342	382	36	8	RDS50080-1	8.00	410	422	462	36	8
RDS40085-1	8.50	356	369	415	40	10	RDS50083-1	8.30	441	454	500	40	10
RDS40090-1	9.00	371	385	430	40	10	RDS50085-1	8.50	441	454	500	40	10
RDS40095-1	9.50	418	433	477	40	10	RDS50090-1	9.00	466	480	525	40	10
RDS40100-1	10.00	418	433	477	40	10							
RDS40105-1	10.50	460	477	528	45	12							
RDS40110-1	11.00	460	477	528	45	12							

High performance small diameter boring tool

Various specifications | Massive inventory | Non-standard customization



Advantages:

- ◆ Solid carbide material, impact resistance
- ◆ Inclined cutting edge for smooth machining
- ◆ Special coating smooth and wear-resistant

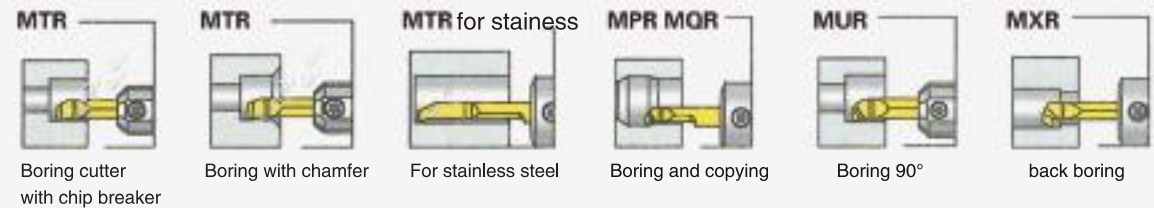
Micro diameter cutting tools

With coolant/Wthout coolant

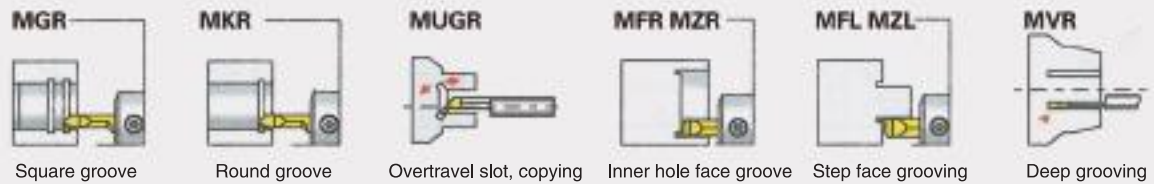


Min diameter boring:Φ1.0mm,Min diameter grooving:Φ2.0mm, Min diameter threading & chamferring :Φ2.0mm

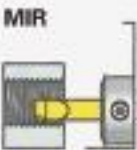
Boring



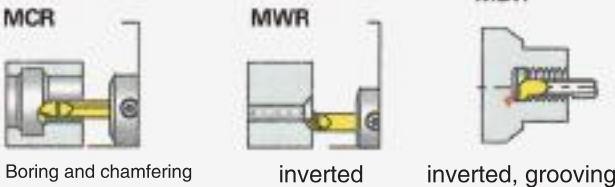
Grooving



Thread



Chamfering

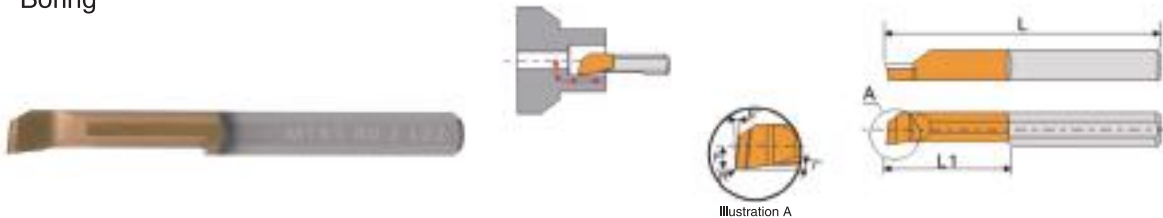


Micro diameter boring cutter

P	M	K	N	S	H	O
●	●	●	●	●	●	●

MTR

Boring



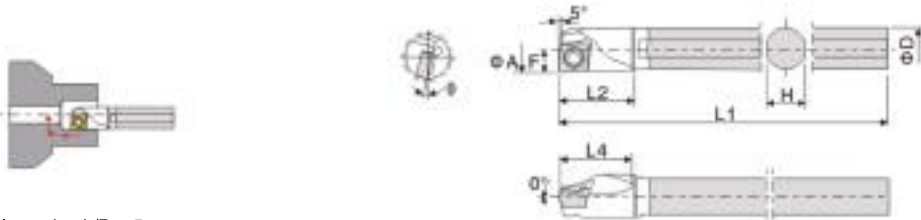
Order number	D	L	L1	R	F	Min. bore Diameter	Suitable Tool Holder	Inventory		
								HP130M	HD10	C801
MTR	2R0.15 L10	3.0	39	10	0.15	0.8	2.1	NC1603-100	●	●
	2R0.15 L20	3.0	39	20	0.15	0.8	2.1	NC1603-100	○	○
	3R0.2L10	3.0	39	10	0.2	1.3	3.1	NC1603-100	●	○
	3R0.2L15	3.0	39	15	0.2	1.3	3.1	NC1603-100	●	●
	4R0.2L15	4.0	51	15	0.2	1.7	4.1	NC1604-100	●	●
	4R0.2L22	4.0	51	20	0.2	1.7	4.1	NC1604-100	●	○
	5R0.2L22	5.0	51	22	0.2	2.1	5.1	NC1605-100	●	●
	6R0.2L22	6.0	51	22	0.2	2.8	6.1	NC1606-100	●	●
MTR	7R0.2L30	7.0	62	30	0.2	3.3	7.1	NC1606-100	●	○
	8R0.2L40	8.0	76	40	0.2	3.8	8.1	NC2008-100	●	○
	3R0.2L15	3.0	39	15	0.2	1.3	3.1	NC1603-100	●	○
	4R0.2L22	4.0	51	20	0.2	1.7	4.1	NC1604-100	●	○
	5R0.2L22	5.0	51	22	0.2	2.1	5.1	NC1605-100	●	○
	6R0.2L22	6.0	51	22	0.2	2.8	6.1	NC1606-100	●	○

Order example: MTR 2R0.15L10 HP130M, non-standard orders accepted

● Standard inventory ○ Non-standard inventory

Tool holder for replaceable inserts

Boring



Maximum elongation L/D≈5

Order number	D	L	L1	R	F	Min. bore Diameter	Suitable Tool Holder	Suitable inserts	Inventory
C04X-SCLCR03-05-MINI	5.0	62	-	-	2.5	5.1	NC1604-100	CC□T0301*	●
C06X-SCLCR04-07-MINI	7.0	62	-	-	3.5	7.1	NC1607-100	CC□T0401*	●

Order example: C04X-SCLCR03-05, non-standard orders accepted

● Standard inventory ○ Non-standard inventory

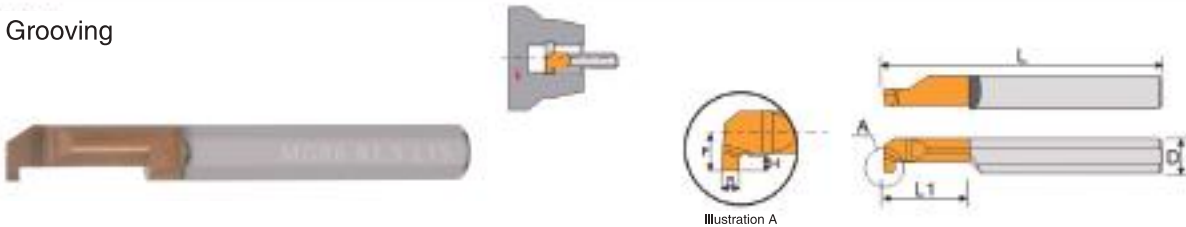
Remarks: inserts need to be purchased separately.

Micro diameter boring cutter

P	M	K	N	S	H	O
●	●	●	●	●	●	●

MGR

Grooving

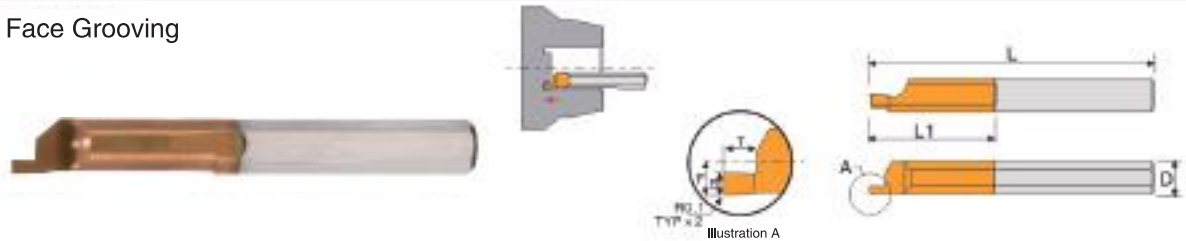


	Order number	D	L	L1	B	H/T	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MGR	4B1.0L10	4.0	51	10	1.0	1.0	1.7	4.1	NC1604-100	●
	4B1.5L10	4.0	51	10	1.5	1.0	1.7	4.1	NC1604-100	●
	5B1.0L15	5.0	51	15	1.0	1.2	2.3	5.1	NC1605-100	●
	5B1.5L15	5.0	51	15	1.5	1.2	2.3	5.1	NC1605-100	●
	5B2.0L15	5.0	51	15	2.0	1.2	2.3	5.1	NC1605-100	●
	6B1.0L15	6.0	51	15	1.0	1.4	2.8	6.1	NC1606-100	●
	6B1.5L15	6.0	51	15	1.5	1.4	2.8	6.1	NC1606-100	●
	6B2.0L15	6.0	51	15	2.0	1.4	2.8	6.1	NC1606-100	●
	8B1.0L22	8.0	64	22	1.0	2.6	3.8	8.1	NC2008-100	●
	8B1.5L22	8.0	64	22	1.5	2.6	3.8	8.1	NC2008-100	●
	8B2.0L22	8.0	64	22	2.0	2.6	3.8	8.1	NC2008-100	●

Order example: MTR 4B1.0L10 HP130M, non-standard orders accepted ● Standard inventory ○ Non-standard inventory

MFR

Face Grooving



	Order number	D	L	L1	B	H/T	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MFR	4B1.0L15	4.0	51	15	1.0	1.5	1.75	5.0	NC1604-100	●
	5B1.0L22	5.0	51	22	1.0	1.5	2.25	6.0	NC1605-100	●
	5B1.5L22	5.0	51	22	1.5	2.5	2.25	6.0	NC1605-100	●
	6B1.0L22	6.0	51	22	1.0	1.5	2.75	8.0	NC1606-100	●
	6B1.5L22	6.0	51	22	1.5	2.5	2.75	8.0	NC1606-100	●
	6B2.0L22	6.0	51	22	2.0	3.0	2.75	8.0	NC1606-100	●

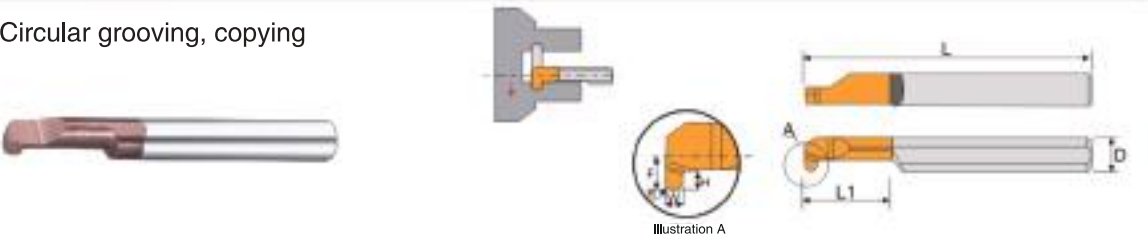
Order example: MFR 4B1.0L15 HP130M, non-standard orders accepted ● Standard inventory ○ Non-standard inventory

Micro diameter boring cutter

P	M	K	N	S	H	O
●	●	●	●	●	●	●

MKR

Circular grooving, copying

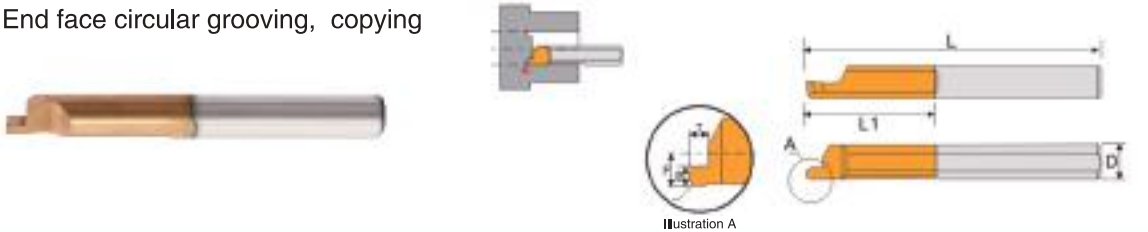


	Order number	D	L	L1	R	W	H	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MKR	4R0.5L10	4.0	51	10	0.50	1.0	1.0	1.7	4.1	NC1604-100	●
	4R0.75L10	4.0	51	10	0.75	1.5	1.0	1.7	4.1	NC1604-100	●
	5R0.5L15	5.0	51	15	0.50	1.0	1.2	2.3	5.1	NC1605-100	●
	5R0.75L15	5.0	51	15	0.75	1.5	1.2	2.3	5.1	NC1605-100	●
	5R1.0L15	5.0	51	15	1.0	2.0	1.2	2.3	5.1	NC1605-100	●
	6R0.5L15	6.0	51	15	0.50	1.0	1.6	2.8	6.1	NC1606-100	●
	6R0.75L15	6.0	51	15	0.75	1.5	1.6	2.8	6.1	NC1606-100	●
	6R1.0L15	6.0	51	15	1.0	2.0	1.6	2.8	6.1	NC1606-100	●

Order example: MKR 4R1.0L10 HP130M, non-standard orders accepted ● Standard inventory ○ Non-standard inventory

MZR

End face circular grooving, copying



	Order number	D	L	L1	R	W	H	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MZR	4R0.5L15	4.0	51	15	0.50	1.0	1.2	1.95	5.0	NC1604-100	●
	4R0.75L15	4.0	51	15	0.75	1.5	1.5	1.95	5.0	NC1604-100	●
	5R0.5L22	5.0	51	22	0.5	1.0	1.2	2.45	6.0	NC1605-100	●
	5R0.75L22	5.0	51	22	0.75	1.5	1.5	2.45	6.0	NC1605-100	●
	5R1.0L22	5.0	51	22	1.0	2.0	2.5	2.45	6.0	NC1605-100	●
	6R0.5L22	6.0	51	22	0.5	1.0	1.2	2.95	8.0	NC1606-100	●
	6R0.75L22	6.0	51	22	0.75	1.5	1.5	2.95	8.0	NC1606-100	●
	6R1.0L22	6.0	51	22	1.0	2.0	2.5	2.95	8.0	NC1606-100	●

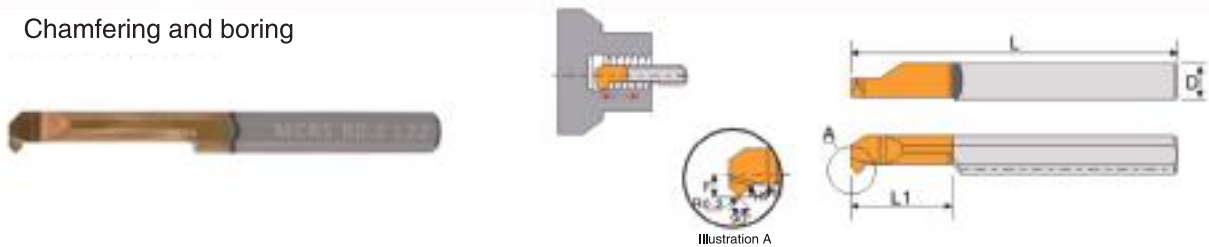
Order example: MZR 4R0.0L15 HP130M, non-standard orders accepted ● Standard inventory ○ Non-standard inventory

Micro diameter boring cutter



MCR

Chamfering and boring



	Order number	D	L	L1	R	H	H1	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MCR	3R0.2L10	3.0	39	10	0.2	0.7	0.3	1.3	3.1	NC1603-100	●
	4R0.2L15	4.0	50	15	0.2	0.8	0.4	1.7	4.1	NC1604-100	●
	5R0.2L15	5.0	50	15	0.2	1.2	0.7	2.1	5.1	NC1605-100	●
	6R0.2L15	6.0	50	15	0.2	1.4	0.7	2.8	6.1	NC1606-100	○

Order example: MCR 0.2L10 HP130M, non-standard orders accepted

● Standard inventory ○ Non-standard inventory

MIR

Threading



	Order number	D	L	L1	a	Range of application mm TPI	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MIR	3L15A55	3.0	39	15	55	0.5-1.0 48-24	1.4	3.2	NC1603-100	●
	3L15A60	3.0	39	15	60	0.7-1.0 32-24	1.4	3.2	NC1603-100	●
	4L15A55	4.0	51	15	55	0.5-1.0 48-24	1.8	4.1	NC1604-100	●
	4L15A60	4.0	51	15	60	0.8-1.0 32-24	1.8	4.1	NC1604-100	●
	5L15A55	5.0	51	15	55	0.5-1.25 48-20	2.3	5.1	NC1605-100	●
	5L15A60	5.0	51	15	60	1.0-1.25 24-20	2.3	5.1	NC1605-100	●
	6L15A55	6.0	51	15	55	0.5-1.5 48-16	2.6	6.0	NC1606-100	●
	6L15A60	6.0	51	15	60	1.0-1.5 24-16	2.6	6.0	NC1606-100	●
MIL	4L15A60	4.0	51	15	60	0.8-1.0 32-24	1.8	4.1	NC1604-100	●
	5L15A60	5.0	51	15	60	1.0-1.25 24-20	2.3	5.1	NC1605-100	●
	6L15A60	6.0	51	15	60	1.0-1.5 24-16	2.6	6.0	NC1606-100	●

Order example: MIR 3L15A55 , non-standard orders accepted

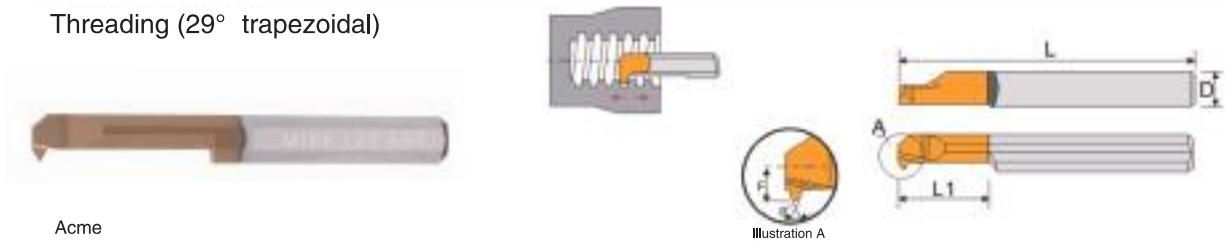
● Standard inventory ○ Non-standard inventory

Micro diameter boring cutter



MIR

Threading (29° trapezoidal)



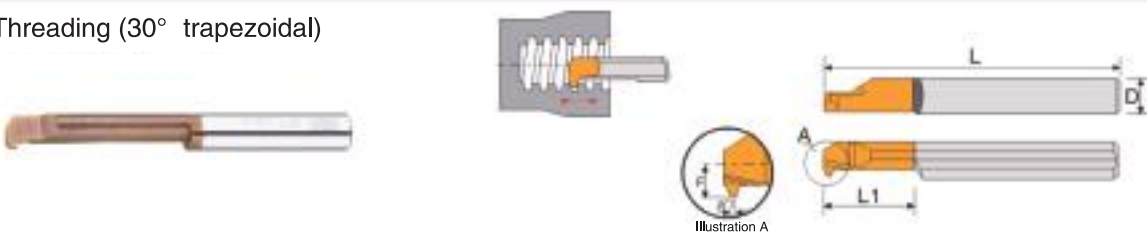
	Order number	D	L	L1	a	Range of application mm TPI	F	Min. bore Diameter	Applicable thread	Suitable Tool Holder	Inventory
MIR	4L1516ACME	4.0	51	15	29		1.8	4.6	1/4 x 16	NC1604-100	●
	6L2014ACME	6.0	51	20	29		2.6	6.0	5/16 x 14	NC1606-100	●
	7L2212ACME	7.0	62	22	29		3.3	7.2	3/8 x 12	NC2007-100	●

Order example: MIR 4L1516ACME HP130M, non-standard orders accepted

● Standard inventory ○ Non-standard inventory

MIR

Threading (30° trapezoidal)



	Order number	D	L	L1	a	Range of application mm TPI	F	Min. bore Diameter	Applicable Thread	Suitable Tool Holder	Inventory
MIR	7L25 2TR	7.0	62	25	30		3.2	6.9	TR9 x 2 TR10 x 2 TR11 x 2 TR12 x 2	NC2007-100	●
	10L35 2TR	10.0	73	35	30		4.8	11.0	TR14 x 2 TR16 x 2 TR18 x 2 TR20 x 2	NC2010-100	○
	7L35 3TR	7.0	62	35	30		3.3	7.5	TR11 x 3 TR12 x 3	NC2007-100	●
	10L35 3TR	10.0	73	35	30		4.8	10.5	TR14 x 3 TR22 x 3 TR24 x 3 TR26 x 3 TR28 x 3	NC2010-100	○
	10L45 4TR	10.0	105	4	30		4.8	11.5	TR16 x 4 TR18 x 4 TR20 x 4	NC2010-100	○
	10L55 5TR	10.0	105	55	30		4.8	11	TR22 x 5 TR24 x 5 TR28 x 5	NC2010-100	○

Order example: MIR 7L25 2TR HP130M, non-standard orders accepted

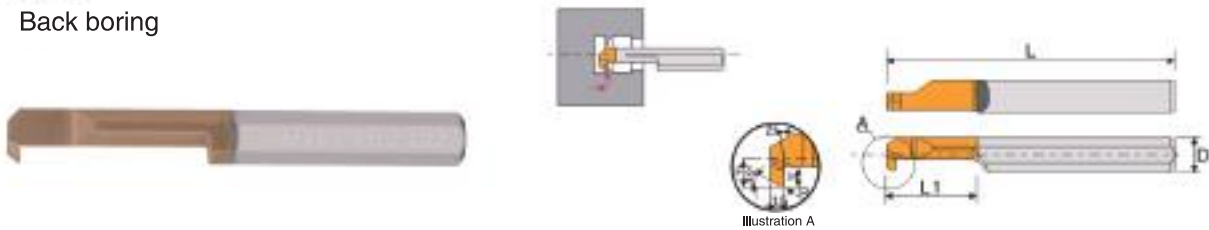
● Standard inventory ○ Non-standard inventory

Micro diameter boring cutter

P	M	K	N	S	H	O
●	●	●	●	●	●	●

MXR

Back boring



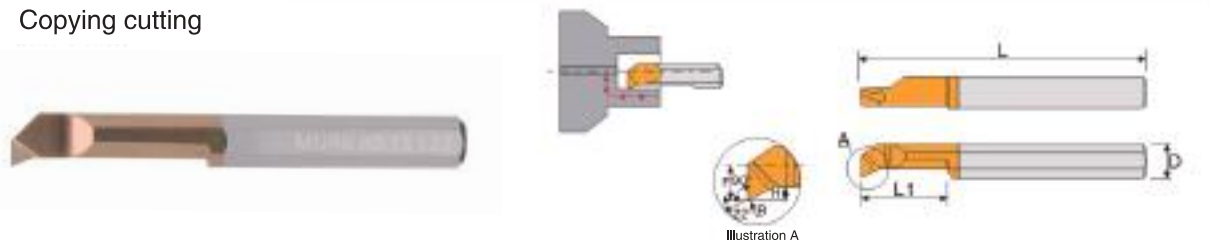
Order number		D	L	L1	R	H/T	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MXR	4R0.1L10	4.0	50	10	0.1	0.5	1.3	3.1	NC1604-100	●
	4R0.15L15	4.0	50	15	0.15	0.8	1.8	4.1	NC1604-100	●
	5R0.2L22	5.0	50	22	0.2	1.0	2.2	5.1	NC1605-100	●
	6R0.2L22	6.0	50	22	0.2	1.8	2.8	6.1	NC1606-100	●

Order example: MXR 4R0.1L10 HP130M , non-standard orders accepted

● Standard inventory ○ Non-standard inventory

MUR

Copying cutting



Order number		D	L	L1	R	H/T	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MUR	3R0.05L15	3.0	38	15	0.05	0.4	1.3	3.1	NC1603-100	◇
	4R0.1L15	4.0	51	15	0.2	0.5	1.7	4.1	NC1604-100	◇
	5R0.15L22	5.0	51	22	0.15	0.7	2.1	5.1	NC1605-100	◇
	6R0.15L22	6.0	51	22	0.15	0.9	2.8	6.1	NC1606-100	◇

Order example: MUR 3R0.05L15 HP130M, non-standard orders accepted

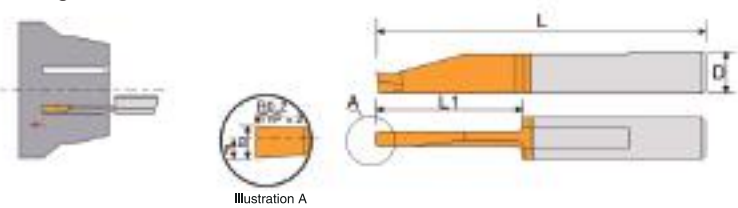
● Standard inventory ○ Non-standard inventory

Micro diameter boring cutter

P	M	K	N	S	H	O
●	●	●	●	●	●	●

MVR

Deep end face grooving



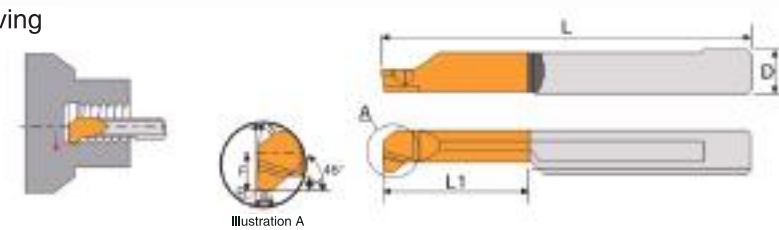
Order number		D	L	L1	B	F	in. bore Diameter	Suitable Tool Holder	Inventory
MVR	6B2.0L15	6.0	64	15	2.0	1.1	12	NC1606-100	○
	6B2.0L22	6.0	64	22	2.0	1.1	12	NC1606-100	○
	6B2.5L22	6.0	64	22	2.5	1.4	12	NC1606-100	○
	8B3.0L27	8.0	64	27	3.0	1.6	15	NC2008-100	○
	8B3.0L43	8.0	80	43	3.0	1.6	15	NC2008-100	○
	8B4.0L43	8.0	80	43	4.0	2.1	20	NC2008-100	○

Order example: MVR 6B2.0L15 HP130M, non-standard orders accepted

● Standard inventory ○ Non-standard inventory

MDR

Chamfering, grooving



Order number	D	L	L1	B	R	H/T	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MDR	4R0.5L18	4.0	51	18	1.5	0.5	0.8	1.8	NC1604-100	○
	5R0.5L24	5.0	51	24	1.5	0.5	1.2	2.3	NC1605-100	○
	6R0.5L27	6.0	58	27	1.5	0.5	1.4	2.8	NC1606-100	○

Order example: MDR 4R0.5L18 HP130M, non-standard orders accepted

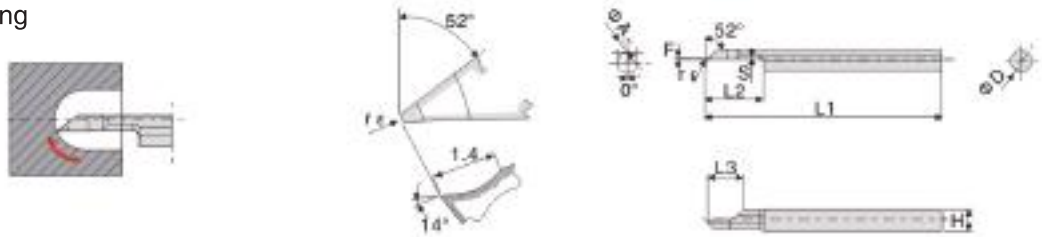
● Standard inventory ○ Non-standard inventory

Micro diameter boring cutter



MZVB

Copying



Order number		D	L	L1	R	S	F	Min. bore Diameter	Suitable Tool Holder	Inventory
MZVB	35R0.1L10	3.0	39	10	0.1	0.22	0.17	3.5	NC1603-100	○
	45R0.1L12	4.0	50	12	0.1	0.26	0.17	4.5	NC1604-100	○
	55R0.1L15	5.0	50	15	0.1	0.29	0.17	5.5	NC1605-100	○
	65R0.1L20	6.0	50	20	0.1	0.32	0.17	6.5	NC1606-100	○

Order example: MZVB 35R0.1L10 HP130M, non-standard orders accepted ● Standard inventory ○ Non-standard inventory

Work piece material	Insert material (cutting speed Vc:m/min)	MZVB035 type		MZVB045 type		MZVB055/65 type		Remarks
	HP130M	ap	f	ap	f	ap	f	
Carbon steel/Alloy steel	30-100	-0.05	-0.04	-0.07	-0.07	-0.1	-0.07	Wet
Stainless steel	30-80	-0.03	-0.03	-0.05	-0.05	-0.07	-0.05	

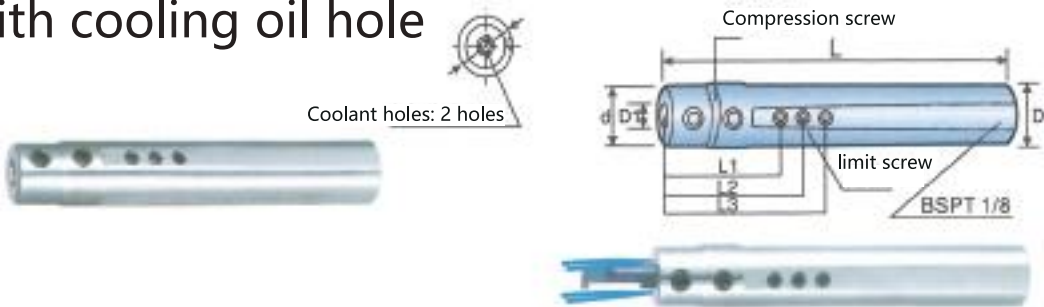
Tool holder
include the coolant hole



Order number	D1	L	D	d	Wrench	Compression screw	Inventory
NC1603-100-2N	3.0	100	16	12	L1.5	M3 × 4	●
NC1604-100-2N	4.0	100	16	13	L2.0	M4 × 4	●
NC1605-100-2N	5.0	100	16	14.7	L2.5	M4 × 4	●
NC1606-100-2N	6.0	100	16	15	L2.5	M5 × 4	●
NC1607-100-2N	7.0	100	16	15.7	L3.0	M6 × 6	●
NC1608-100-2N	8.0	100	16	15.7	L3.0	M6 × 6	●
NC2004-100-2N	4.0	100	20	13	L2.0	M4 × 4	●
NC2005-100-2N	5.0	100	20	16	L2.5	M4 × 4	●
NC2006-100-2N	6.0	100	20	17	L3.0	M5 × 5	●
NC2007-100-2N	7.0	100	20	17.5	L3.0	M6 × 6	●
NC2008-100-2N	8.0	100	20	19	L3.0	M6 × 6	●
NC2010-100-2N	10	100	20	19.7	L3.0	M6 × 6	●
NC2012-100-2N	12.0	100	20	19.7	L3.0	M6 × 6	●

● Standard inventory ○ Non-standard inventory

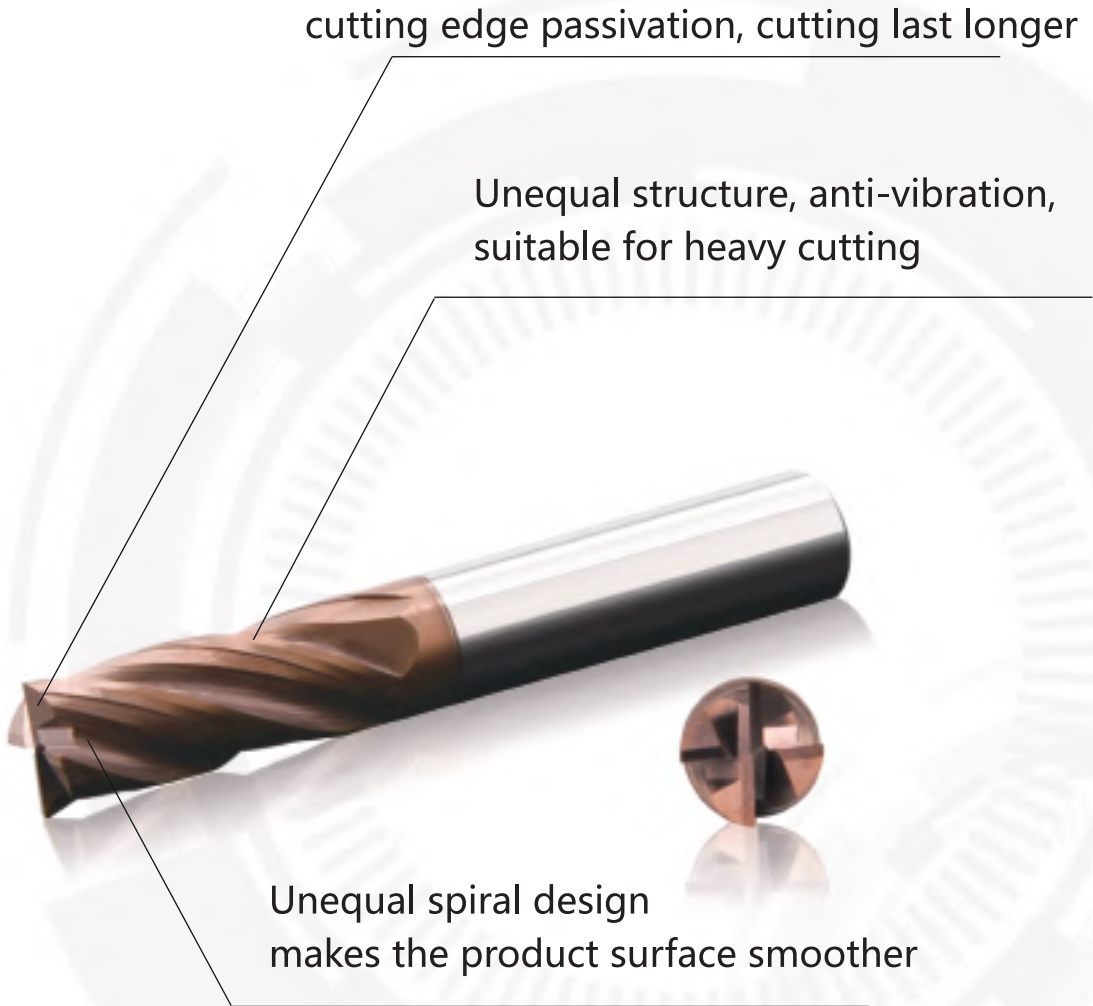
With cooling oil hole



Order number	D1	L	L1	L2	L3	D	d	Wrench	Compression screw	Inventory
NC1603-100-2NX	3.0	100	26.5	31.5	-	16	12	L1.5	M3 × 4	●
NC1604-100-2NX	4.0	100	29.5	36.5	41.5	16	13	L2.0	M4 × 4	●
NC1605-100-2NX	5.0	100	30	37	-	16	14.7	L2.5	M4 × 4	●
NC1606-100-2NX	6.0	100	30.5	37.5	-	16	15	L2.5	M5 × 4	●

● Standard inventory ○ Non-standard inventory

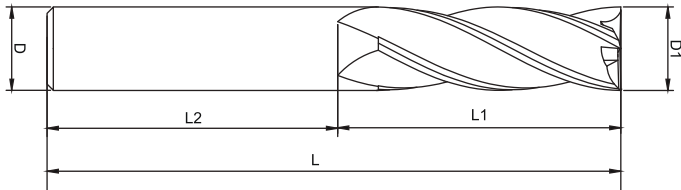
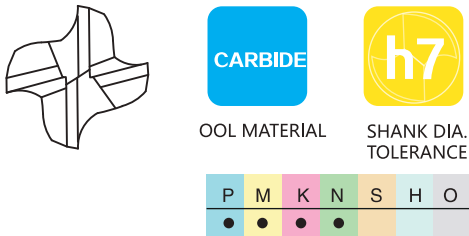
Anti-vibration milling cutter



Advantages:

- ◆ Unequal spiral design, anti-vibration, improve product surface quality
- ◆ Maximum metal removal rate increases productivity and reduces process time
- ◆ Take full advantage of the entire cutting length,uniform wear, ensuring maximum tool life
- ◆ One tool can process multiple cavities, keyway milling, side milling, face milling, roughing, finishing, etc.

Anti-vibration milling cutter



Order number	flute diameter D1	flute length L1	Shank diameter D	overall length L	Order number	flute diameter D1	flute length L1	Shank diameter D	overall length L
RMT03040R04T	D4	12	5	60	RMT03125R04T	D12.5	38	14	100
RMT03045R04T	D4.5	14	5	65	RMT03130R04T	D13	39	14	100
RMT03050R04T	D5	15	5	65	RMT03135R04T	D13.5	41	14	105
RMT03055R04T	D5.5	17	6	70	RMT03140R04T	D14	42	14	100
RMT03060R04T	D6	18	6	70	RMT03145R04T	D14.5	44	16	110
RMT03065R04T	D6.5	19	8	75	RMT03150R04T	D15	45	16	110
RMT03070R04T	D7	21	8	75	RMT03155R04T	D15.5	47	16	115
RMT03075R04T	D7.5	23	8	80	RMT03160R04T	D16	48	16	115
RMT03080R04T	D8	24	8	80	RMT03165R04T	D16.5	50	18	120
RMT03085R04T	D8.5	26	10	90	RMT03170R04T	D17	51	18	120
RMT03090R04T	D9	27	10	90	RMT03175R04T	D17.5	53	18	120
RMT03095R04T	D9.5	29	10	90	RMT03180R04T	D18	54	18	120
RMT03100R04T	D10	30	10	90	RMT03185R04T	D18.5	56	20	125
RMT03105R04T	D10.5	32	12	95	RMT03190R04T	D19	57	20	125
RMT03110R04T	D11	33	12	95	RMT03195R04T	D19.5	59	20	130
RMT03115R04T	D11.5	35	12	95	RMT03200R04T	D20	60	20	130
RMT03120R04T	D12	36	12	100					

Solid carbide
thread milling cutter



Order number

TM solid carbide end mill

RT	HC		10	082	L15	-	I	1.50	ISO	TM		VTH
	1	2	3	4			6	7	8	9	10	11

1 - Line	2 - No. of teeth	3 - tool holder shank diameter	4 - cutting diameter	5 - flute length	6 - tool type
HC - Helicool HCN - Helicool type with long neck HCR - Helicool R HCR - Helicool L H - Helical S - S-straight flute D - D-deep thread or MilliPro TDC - TDC- TMDR with coolant supply TD - TD - TMDR without coolant supply	1T - 1 tooth 3T - 3 teeth (MilliPro) 2L - 2 teeth with laevorotation (MilliPro)	03 - 3.0mm 04 - 4.0 06 - 6.0 08 - 8.0 10 - 10.0 12 - 12.0 14 - 14.0 16 - 16.0 18 - 18.0 20 - 20.0	07 - 19.9mm	up to 3xDo	E - external thread I - internal thread EI - external thread/ internal thread

7 - pitch	8 - thread type	9 - Processing type	10 - No. of cutting flutes	11 - workpiece material
full teeth-Pitch range mmTPI 0.25-6.080-4.5 60 degree standard teeth-Pitch range mmTPI TA0.5-0.832-56 TB0.5-1.024-56 TC1.0-1.5016-24 TD1.0-1.7514-24 TF0.5-1.2520-48	60 - 60 degree standard teeth-Pitch range ISO - ISOMetric thread UN - American standard UN UNC - UN coarse thread UNF - UN fine thread NUNEF - UN fine thread UNJ - UNJ MJ - MJ BSW - Whitworth coarse thread BSP - BSP BSF - Whitworth fine thread BSPT - BSPT NPT - NPT ANPT - ANPT NPTF - NPTF NPS - NPS PG - PG TP60 - Taper TP55 - TP55°	TM TML - extra long type	3 - 3 flutes 5 - 3 flutes *for straight flute only	VT VTH

■ HTC Drilling and milling cutter

HTC	M6	1.0	2D	VTN
1	2	3	4	5

1 - Line	2 - thread diameter	3 - pitch	4 - thread length	5 - workpiece material
HC - Drilling and milling cutter	M6 - M12	1 - 1.75mm	2D 2.5D	VTN VTS

Solid carbide thread milling cutter solutions

Micro diameter thread MilliPro & MilliPro EL Minimum M1.0x0.35 (1-72UNF) MilliPro HD Up to 62 HRC MilliPro Teeth Minimum M1.0x0.25 (0-80UNF) TMDR Minimum M3x0.5 (4-40UNC)	Long thread Deep hole threading Full teeth type 60 degree standard teeth Maximum 3xDo
General application Straight flute milling cutter Taper thread milling cutter Bone thread processing Pitch range 0.3-0.6mm Minimum M4.5x0.75 (No.8-36UNF)	Heavy-duty cutting Helicool HC HCN Minimum M3x0.5 (No.10-32UNF)
Radial cooling Helicool-R (HCR) Minimum M6x1.0	Milling cutter with cooling and chamfered thread Helicool-C (HCC) Minimum M6x1.0
Economical thread milling cutter Spiral mill-thread Taper thread milling cutter Bone thread processing Pitch range 0.3-0.6mm Minimum M3x0.5 (No.8-36UNF)	Drilling, threading, chamfering HTC Minimum M6x1.0

Thread milling cutter

Inserts material and application

VTH Helicool HCN MilliPro MilliPro EL • Universal thread material for heavy cutting • TiCN coating with high wear resistance	HCR MilliPro teeth Deep hole threading	HCC MilliPro HD Spiral thread milling cutter
VTS Straight flute milling cutter • Straight milling cutter with universal material • TiCN coating with high wear resistance	VTS HTC (Thread drilling and milling cutter) • TiAlN coating • First choice for cast iron and general purpose cutting	
VTN HTC (Thread drilling and milling cutter) • Non-coated material • First choice for aluminum and general purpose cutting	VTS TMDR • Universal - Common material • TiAlN coating	

Thread milling cutter