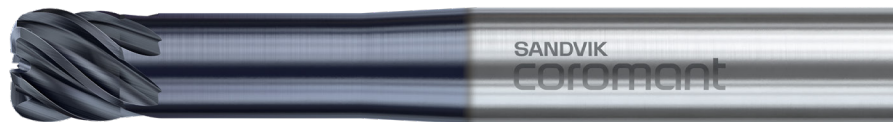
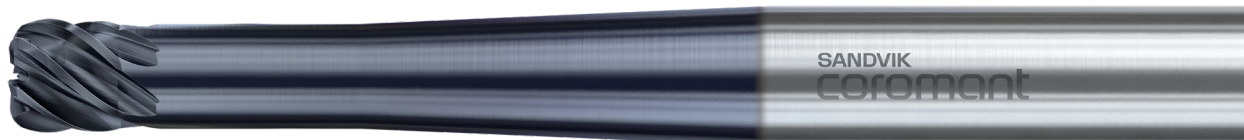
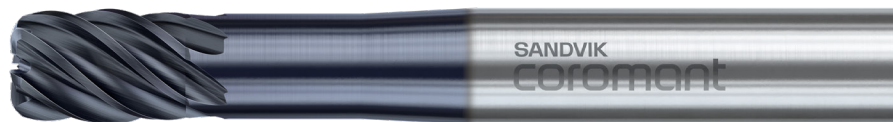
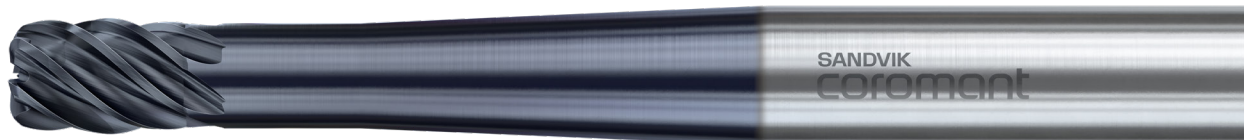
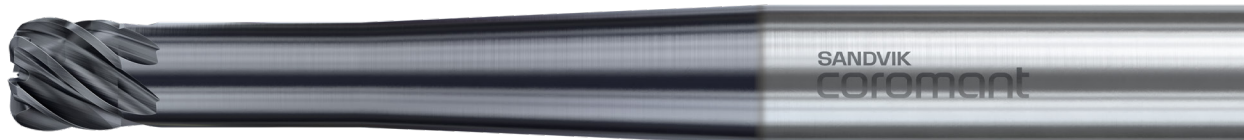
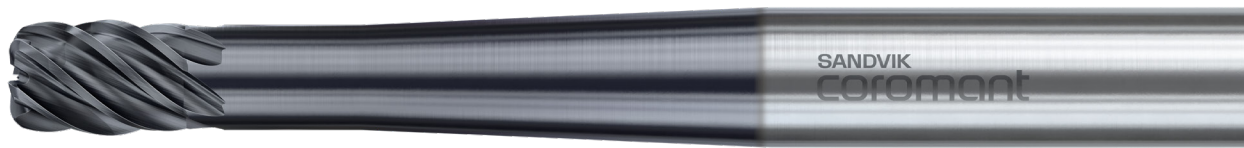


# CoroMill® Plura barrel

## Assortment and application

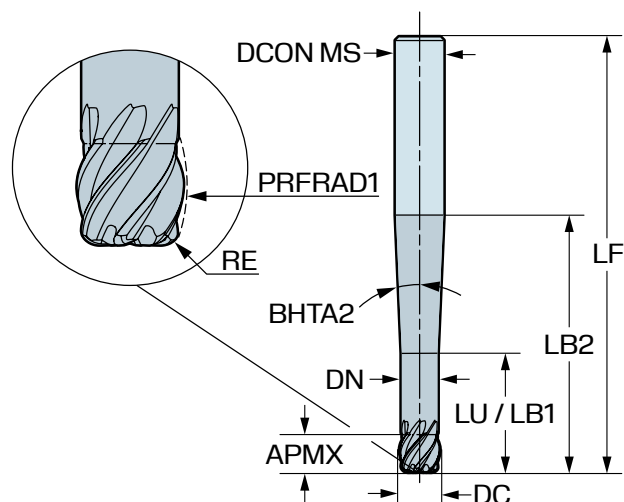


# CoroMill® Plura barrel, HRSA

Standard assortment

S2 H

	Code	Grade	DC	PRFRAD1	RE	DN	ZEFP	APMX	LU/LB1	LB2	BHTA2 (°)	DCONMS	LF
Standard variant (DC=DCON)	2A146-0600A012-RCMD (mm)	R2AH	6	12	1	5.4	6	5.67	18	24.00	2.86	6	60.0
	2A146-0600A030-RCMD (mm)	R2AH	6	30	1	5.4	6	9.03	18	24.00	2.86	6	60.0
	2A146-0800A016-RCMF (mm)	R2AH	8	16	1	7.2	6	7.56	24	34.00	2.29	8	70.0
	2A146-0800A040-RCMF (mm)	R2AH	8	40	1	7.2	6	12.04	24	34.00	2.29	8	70.0
	2A146-1000A020-RCMH (mm)	R2AH	10	20	2	9	6	9.44	30	40.00	2.86	10	80.0
	2A146-1000A050-RCMH (mm)	R2AH	10	50	2	9	6	15.05	30	40.00	2.86	10	80.0
	2A146-1200A024-RCMI (mm)	R2AH	12	24	3	10.8	6	11.33	36	45.00	3.81	12	90.0
	2A146-1200A060-RCMI (mm)	R2AH	12	60	3	10.8	6	18.06	36	45.00	3.81	12	90.0
	2A146-0635A013-RCIC (inch)	R2AH	0.25	0.5	0.04	0.225	6	0.2361	0.75	1.0827	2.15	0.25	2.5
	2A146-0635A032-RCIC (inch)	R2AH	0.25	1.25	0.04	0.225	6	0.3763	0.75	1.0827	2.15	0.25	2.5
	2A146-0953A019-RCIE (inch)	R2AH	0.375	0.75	0.08	0.3375	6	0.3542	1.125	1.4370	3.44	0.375	3
	2A146-0953A048-RCIE (inch)	R2AH	0.375	1.875	0.08	0.3375	6	0.5645	1.125	1.4370	3.44	0.375	3
	2A146-1270A025-RCIG (inch)	R2AH	0.5	1	0.12	0.45	6	0.4722	1.5	1.9665	3.07	0.5	3.75
	2A146-1270A064-RCIG (inch)	R2AH	0.5	2.5	0.12	0.45	6	0.7527	1.5	1.9665	3.07	0.5	3.75
Extended variant (DC=DCON)	2A146-0600A012-RCMH (mm)	R2AH	6	12	1	5.4	6	5.67	18	50.00	4.11	10	90.0
	2A146-0600A030-RCMH (mm)	R2AH	6	30	1	5.4	6	9.03	18	50.00	4.11	10	90.0
	2A146-0800A016-RCMH (mm)	R2AH	8	16	1	7.2	6	7.56	24	60.00	2.23	10	100.0
	2A146-0800A040-RCMH (mm)	R2AH	8	40	1	7.2	6	12.04	24	60.00	2.23	10	100.0
	2A146-1000A020-RCMI (mm)	R2AH	10	20	2	9	6	9.44	30	65.00	2.45	12	110.0
	2A146-1000A050-RCMI (mm)	R2AH	10	50	2	9	6	15.05	30	65.00	2.45	12	110.0
	2A146-1200A024-RCMK (mm)	R2AH	12	24	3	10.8	6	11.33	36	72.00	4.13	16	120.0
	2A146-1200A060-RCMK (mm)	R2AH	12	60	3	10.8	6	18.06	36	72.00	4.13	16	120.0
	2A146-0635A013-RCIE (inch)	R2AH	0.25	0.5	0.04	0.225	6	0.2361	0.75	2.1870	2.99	0.375	3.75
	2A146-0635A032-RCIE (inch)	R2AH	0.25	1.25	0.04	0.225	6	0.3763	0.75	2.1870	2.99	0.375	3.75
	2A146-0953A019-RCIG (inch)	R2AH	0.375	0.75	0.08	0.3375	6	0.3542	1.125	2.4665	3.47	0.5	4.25
	2A146-0953A048-RCIG (inch)	R2AH	0.375	1.875	0.08	0.3375	6	0.5645	1.125	2.4665	3.47	0.5	4.25
	2A146-1270A025-RCII (inch)	R2AH	0.5	1	0.12	0.45	6	0.4722	1.5	3.0945	3.14	0.625	5
	2A146-1270A064-RCII (inch)	R2AH	0.5	2.5	0.12	0.45	6	0.7527	1.5	3.0945	3.14	0.625	5



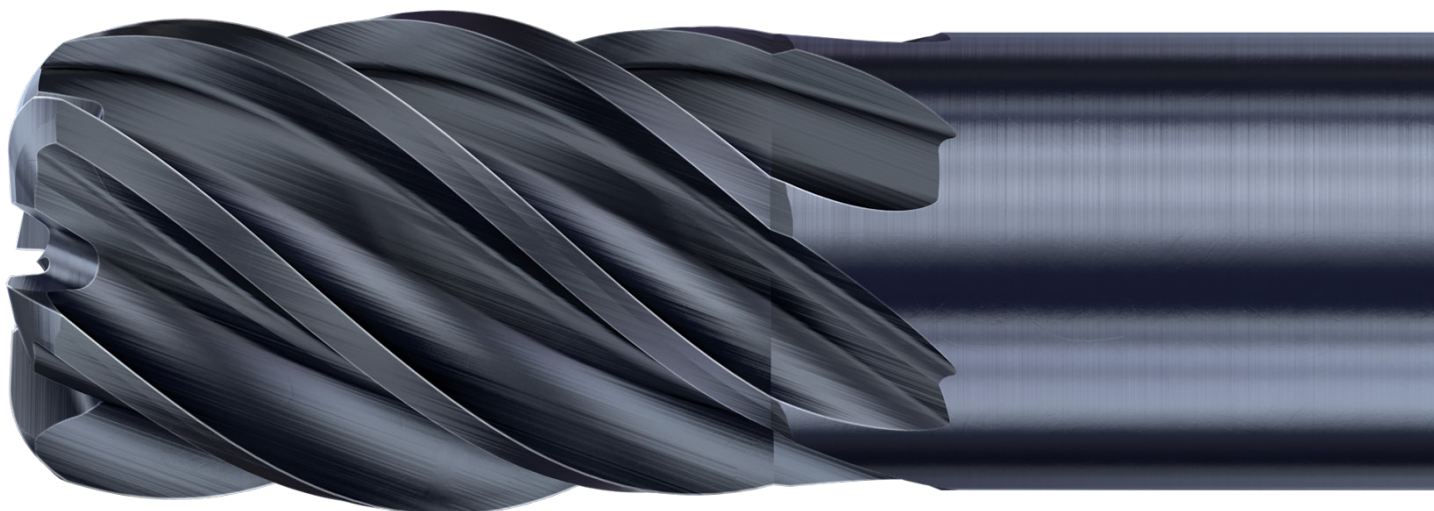
Parameter	Definition
DC	Cutting diameter
PRFRAD1	Barrel radius 1
RE	Corner radius
DN	Neck diameter
ZEFP	Peripheral effective cutting edge count
APMX	Maximum depth of cut
LU	Usable length (max. recommended)
LB1	Body length 1
LB2	Body length 2
BHTA2	Body half taper angle 2
DCONMS	Connection diameter
LF	Functional length

# CoroMill® Plura barrel, titanium

Standard assortment



	Code	Grade	DC	PRFRAD1	RE	DN	ZEFP	APMX	LU/LB1	LB2	BHTA2 (°)	DCONMS	LF
Standard variant (DC=DCON)	2A146-0600A012-TCMD (mm)	T2CH	6	12	1	5.4	6	5.67	18	24.00	2.86	6	60.0
	2A146-0600A030-TCMD (mm)	T2CH	6	30	1	5.4	6	9.03	18	24.00	2.86	6	60.0
	2A146-0800A016-TCMF (mm)	T2CH	8	16	1	7.2	6	7.56	24	34.00	2.29	8	70.0
	2A146-0800A040-TCMF (mm)	T2CH	8	40	1	7.2	6	12.04	24	34.00	2.29	8	70.0
	2A146-1000A020-TCMH (mm)	T2CH	10	20	2	9	6	9.44	30	40.00	2.86	10	80.0
	2A146-1000A050-TCMH (mm)	T2CH	10	50	2	9	6	15.05	30	40.00	2.86	10	80.0
	2A146-1200A024-TCMI (mm)	T2CH	12	24	3	10.8	6	11.33	36	45.00	3.81	12	90.0
	2A146-1200A060-TCMI (mm)	T2CH	12	60	3	10.8	6	18.06	36	45.00	3.81	12	90.0
	2A146-0635A013-TCIC (inch)	T2CH	0.25	0.5	0.04	0.225	6	0.2361	0.75	1.0827	2.15	0.25	2.5
	2A146-0635A032-TCIC (inch)	T2CH	0.25	1.25	0.04	0.225	6	0.3763	0.75	1.0827	2.15	0.25	2.5
	2A146-0953A019-TCIE (inch)	T2CH	0.375	0.75	0.08	0.3375	6	0.3542	1.125	1.4370	3.44	0.375	3
	2A146-0953A048-TCIE (inch)	T2CH	0.375	1.875	0.08	0.3375	6	0.5645	1.125	1.4370	3.44	0.375	3
	2A146-1270A025-TCIG (inch)	T2CH	0.5	1	0.12	0.45	6	0.4722	1.5	1.9665	3.07	0.5	3.75
	2A146-1270A064-TCIG (inch)	T2CH	0.5	2.5	0.12	0.45	6	0.7527	1.5	1.9665	3.07	0.5	3.75
Extended variant (DC=DCON)	2A146-0600A012-TCMH (mm)	T2CH	6	12	1	5.4	6	5.67	18	50.00	4.11	10	90.0
	2A146-0600A030-TCMH (mm)	T2CH	6	30	1	5.4	6	9.03	18	50.00	4.11	10	90.0
	2A146-0800A016-TCMH (mm)	T2CH	8	16	1	7.2	6	7.56	24	60.00	2.23	10	100.0
	2A146-0800A040-TCMH (mm)	T2CH	8	40	1	7.2	6	12.04	24	60.00	2.23	10	100.0
	2A146-1000A020-TCMI (mm)	T2CH	10	20	2	9	6	9.44	30	65.00	2.45	12	110.0
	2A146-1000A050-TCMI (mm)	T2CH	10	50	2	9	6	15.05	30	65.00	2.45	12	110.0
	2A146-1200A024-TCMK (mm)	T2CH	12	24	3	10.8	6	11.33	36	72.00	4.13	16	120.0
	2A146-1200A060-TCMK (mm)	T2CH	12	60	3	10.8	6	18.06	36	72.00	4.13	16	120.0
	2A146-0635A013-TCIE (inch)	T2CH	0.25	0.5	0.04	0.225	6	0.2361	0.75	2.1870	2.99	0.375	3.75
	2A146-0635A032-TCIE (inch)	T2CH	0.25	1.25	0.04	0.225	6	0.3763	0.75	2.1870	2.99	0.375	3.75
	2A146-0953A019-TCIG (inch)	T2CH	0.375	0.75	0.08	0.3375	6	0.3542	1.125	2.4665	3.47	0.5	4.25
	2A146-0953A048-TCIG (inch)	T2CH	0.375	1.875	0.08	0.3375	6	0.5645	1.125	2.4665	3.47	0.5	4.25
	2A146-1270A025-TCII (inch)	T2CH	0.5	1	0.12	0.45	6	0.4722	1.5	3.0945	3.14	0.625	5
	2A146-1270A064-TCII (inch)	T2CH	0.5	2.5	0.12	0.45	6	0.7527	1.5	3.0945	3.14	0.625	5

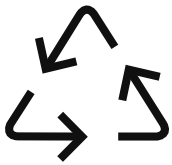


# Cutting data recommendations

ISO	MC code	Material description	HB	Semi-finishing ( $a_p = 0.05 \times DC$ )			Finishing ( $a_p = 0.01 \times DC$ )			
				$v_c$ m/min	$v_c$ feet/min	$f_z$	$v_c$ m/min	$v_c$ feet/min	$f_z$ mm	$f_z$ inch
S	S1.0.U.AG	Iron-based alloys	280	50	164	$0.004 \times DC$	70	230	0.05 - 0.03 - 0.01	0.002 - 0.0012 - 0.0004
	S2.0.Z.AN	Nickel-based alloys	250	50	164	$0.004 \times DC$	130	427		
	S2.0.Z.AG	Nickel-based alloys	350	65	213	$0.004 \times DC$	90	295		
	S4.3.Z.AN	Titanium-based alloys	330	110	361	$0.005 \times DC$	200	656		
	S4.4.Z.AN	Titanium-based alloys	410	55	180	$0.005 \times DC$	100	328		
M	P5.0.Z.AN	Ferritic/martensitic stainless steel	200	90	295	$0.008 \times DC$	100	328		
	M1.0.Z.AQ	Austenitic stainless steel	200	110	361	$0.008 \times DC$	130	427		
	M3.2.Z.AQ	Duplex (austenitic/ferritic) stainless steel	260	90	295	$0.008 \times DC$	100	328		
H	H1.1.Z.HA	Steel – hardness level 50	50HRC	145	476	$0.003 \times DC$	175	574		
	H1.2.Z.HA	Steel – hardness level 55	55HRC	145	476	$0.002 \times DC$	175	574		
	H1.3.Z.HA	Steel – hardness level 60	60HRC	85	279	$0.002 \times DC$	100	328		

For optimized cutting data see CoroPlus® Tool Guide.

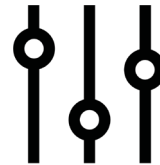
## Service offer



Recycling



CoroPlus®  
Tool Guide



Tailor Made®



Advanced  
engineered

Learn more about  
the CoroMill Plura® barrel:  
[sandvik.coromant.com/  
coromillplurabarrel](https://sandvik.coromant.com/coromillplurabarrel)



Authorized distributor

