

Jota



swiss CAD/CAM



JOTA CAD/CAM

Precision instruments are
the basis for perfect results



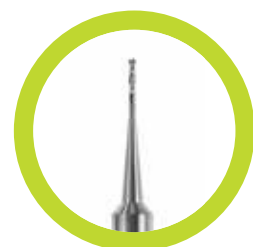
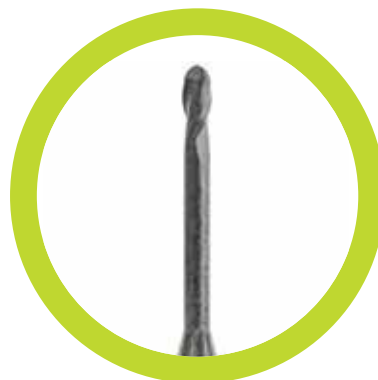
JOTA CAD/CAM Instruments

Rotary Instruments for Dental CAD/CAM Systems

Specially developed for the dental sector, our high-performance carbide instruments support dentists and dental technicians in their daily work. The careful selection of materials, optimum mechanical gearing and the finish with functional coatings form the basis for high-precision instruments and guarantee perfect surfaces and milling results.

To supplement the CAD/CAM instruments, JOTA AG offers an extensive range of diamond and carbide instruments in addition to various abrasives and polishers for working on the milled restorations.

JOTA instruments guarantee a perfect digital workflow - from preparation to long-lasting restoration.



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Coatings

The JOTA CAD/CAM Milling Tools permit material-appropriate and gentle Treatment of Materials such as ZrO, Glass Ceramics, PMMA, PEEK, CoCr, Titanium, Plaster and Wax.

Carbide Basic

Properties:

- › Highest precision due to one-piece production from solid carbide
- › Perfect concentricity
- › Constant tool quality
- › Special blade geometry
- › High wear protection
- › High tool life



These Properties can be further improved by Special Coatings:

Carbide Plus

Properties:

- › Universal, very hard and smooth PVD/wear-resistant coating
- › Coating thickness: approx. 1,5-3,0 µm
- › Coating architecture: nano composite
- › Base: Supernitride ALTiN + SN
- › Coating colour: blue, polished
- › Hardness: HV 0,05 : 3.700
- › Coating is electrically conductive
- › Max. operating temperature: 1.100 °C
- › Coefficient of friction against steel 0.2
- › Especially suitable for dry working
- › For all millable materials: acrylics, composites, metal and standard zirconium oxide



Carbide Super

Properties:

- › PVC coating using the HiPIMS process, specially for machining hard material
- › Coating thickness: approx. 1,0 µm
- › Coating architecture: nano composite
- › Base: TiAlN + Si
- › Coating colour: copper, polished
- › Hardness: HV 0,05 : 3.800, electrically conductive
- › Max. operatin temperature: 1.100 °C
- › Coefficient of friction against steel 0,3
- › Especially suitable for alloys such as CoCr and titanium that are hard to machine



Carbide Premium (Diamond Coating)

Properties:

- › CVD diamond coating for working on highly abrasive materials (e.g. ZrO)
- › Coating thickness: approx. 6,0 µm
- › Coating architecture: nanocrystalline coating
- › Base: crystalline C-coating
- › Coating colour: grey/black
- › Hardness: HV 0,05 : 10.000
- › Coating is electrically conductive
- › Max. operating temperature: 600 - 700 °C
- › Up to 10 times service life

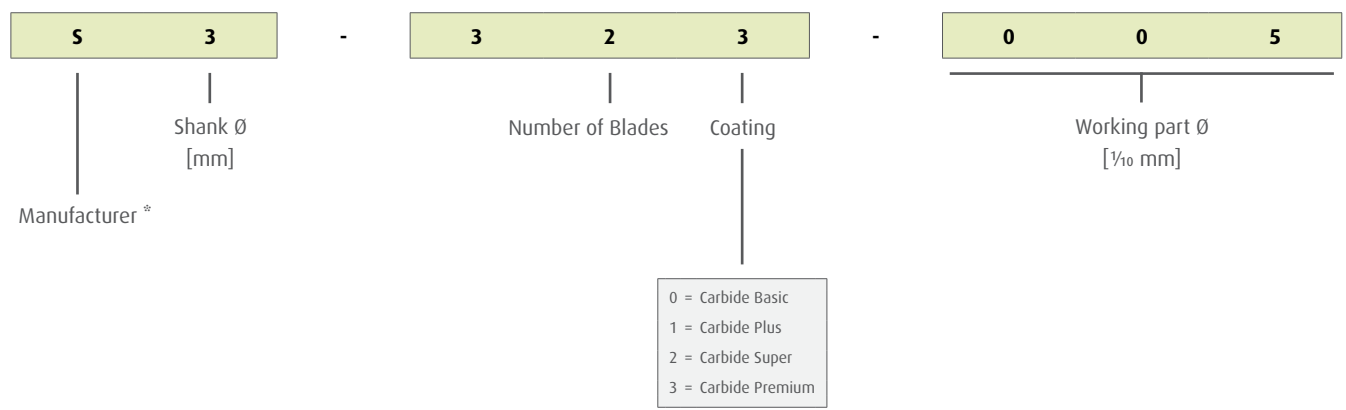


CAD/CAM Numbering System

Match Code JOTA CAD/CAM Instruments

Numbering System

Ordering example



* Manufacturer	Abbreviation
Sirona MC X5	S
Zirkonzahn	ZZ
VHF S1 S2 K5 K5+	V
VHF K3 K4	VH
imes-icore	II
Yenadent, Degos Star	Y
Roland	R

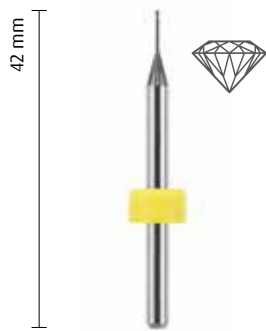


Compatible with Sirona MC X5

3 mm Shank

ZrO

Carbide Premium



Match Code	S3-J23-005	S3-J23-010	S3-J43-025
Ø [mm]	0,5	1,0	2,5
Cutting	2	2	4

Compatible with Zirkonzahn

3 mm Shank

ZrO


Carbide Premium



Match Code	ZZ3-J05-010	ZZ3-J05-020
Ø [mm]	1,0	2,0
Cutting	2	2

ZrO, PMMA, Wax, Sintered Metal, PEEK


Carbide Basic



Match Code	ZZ3-J10-005	ZZ3-J11-010	ZZ3-J12-020
Ø [mm]	0,5	1,0	2,0
Cutting	2	2	2

PMMA, Wax

Carbide Basic



Match Code	ZZ3-J07-010	ZZ3-J08-020
Ø [mm]	1,0	2,0
Cutting	1	1



Compatible with Zirkonzahn

6 mm Shank

ZrO, PMMA, Wax, Sintered Metal, PEEK

Carbide Basic

50 mm



Match Code	ZZ6-J10-005	ZZ6-J11-010	ZZ6-J12-020
Ø [mm]	0,5	1,0	2,0
Cutting	2	2	2

PMMA, Wax

Carbide Basic

50 mm



Match Code	ZZ6-J09-010	ZZ6-J08-020
Ø [mm]	1,0	2,0
Cutting	2	1

Compatible with Zirkonzahn

6 mm Shank

CrCo, Titanium

Carbide Basic

50 mm



hemispherical



hemispherical



hemispherical

Match Code	ZZ6-J13-010	ZZ6-J14-020	ZZ6-J17-030
Ø [mm]	1,0	2,0	3,0
Cutting	2	2	2

CcCo, Titanium

Carbide Basic

50 mm



toroid



toroid

Match Code	ZZ6-J15-015	ZZ6-J16-020
Ø [mm]	1,5	2,0
Cutting	4	4



Compatible with VHF S1 | S2 | K5 | K5+

3 mm Shank

MC-Dental smart mill unit T | W | unit, Hinrichs Dental Hinri Mill T5 | 5 | 5.8, Siladent Silamill 5 | 5.8 | T5, Schütz Tizian Cut 5 smart | plus | dry, Goldquadrat Quattro Mill Maxi | Comfort 5X, Organical Desktop 6 | 7, Shera eco mill 5X-change dry, YETI digi Mill 5 | plus | dry

PMMA, PEEK

Carbide Basic

40 mm



Match Code	V3-J10-010	V3-J10-020
Ø [mm]	1,0	2,0
Cutting	1	1

PMMA, Composite

Carbide Basic

40 mm



Universal



Match Code	V3-J20-006	V3-J20-010	V3-J20-020
Ø [mm]	0,6	1,0	2,0
Cutting	2	2	2

Compatible with VHF S1 | S2 | K5 | K5+

3 mm Shank

MC-Dental smart mill unit T | W | unit, Hinrichs Dental Hinri Mill T5 | 5 | 5.8, Siladent Silamill 5 | 5.8 | T5, Schütz Tizian Cut 5 smart | plus | dry, Goldquadrat Quattro Mill Maxi | Comfort 5X, Organical Desktop 6 | 7, Shera eco mill 5X-change dry, YETI digi Mill 5 | plus | dry

CrCo, Titanium, NPM

Carbide Super

35 mm



Match Code	V3-J22-006	V3-J22-010	V3-J22-020
Ø [mm]	0,6	1,0	2,0
Cutting	2	2	2

ZrO

Carbide Premium

40 mm



Match Code	V3-J23-010	V3-J23-020
Ø [mm]	1,0	2,0
Cutting	2	2



Compatible with VHF K3 | K4

3 mm Shank

Schütz Tizian cut | plus | eco plus, Goldquadrat Quattro Mill Comfort, Mill Easy, Organical Desktop 1 | 3, Yeti digi Mill 4, Hindrichs Dental Hindri Mill 4, Siladent Silamill 4 edition

PMMA, ZrO		
Carbide Basic		
Match Code	VH3-J20-006	VH3-J20-010
Ø [mm]	0,6	1,0
Cutting	2	2

ZrO		
Carbide Plus		
Match Code	VH3-J21-010	VH3-J21-020
Ø [mm]	1,0	2,0
Cutting	2	3

PMMA			
Carbide Basic			
Match Code	VH3-J20-020	VH3-J10-010	VH3-J10-020
Ø [mm]	2,0	1,0	2,0
Cutting	2	1	1

Compatible with imes-core CORiTEC 140i-250i

3 mm Shank

ZrO, PMMA, PEEK, Wax

Carbide Basic

47 mm



Match Code	II3-J10-006	II3-J11-010	II3-J12-025
Ø [mm]	0,6	1,0	2,5
Cutting	2	2	2

ZrO

Carbide Premium

47 mm



Match Code	II3-J11C-010	II3-J12C-025
Ø [mm]	1,0	2,5
Cutting	2	2



Compatible with imes-core CORiTEC 350i-750i

6 mm Shank

ZrO, PMMA, PEEK, Wax

Carbide Basic

53 mm



Match Code	II6-J10-006	II6-J11-010	II6-J12-025
Ø [mm]	0,6	1,0	2,5
Cutting	2	2	2

ZrO

Carbide Premium

53 mm



Match Code	II6-J11C-010	II6-J12C-025
Ø [mm]	1,0	2,5
Cutting	2	2

Compatible with Yenadent, Degos Star

4 mm Shank

ZrO

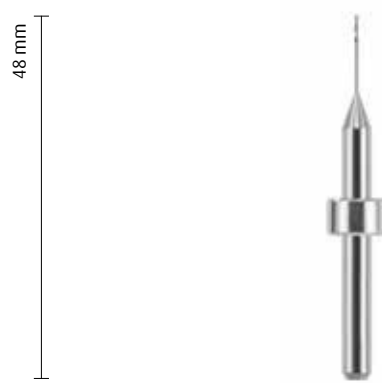
Carbide Premium



Match Code	Y4-J23-010	Y4-J23-020
Ø [mm]	1,0	2,0
Cutting	2	2

PMMA, ZrO

Carbide Basic



Match Code	Y4-J20-006
Ø [mm]	0,6
Cutting	2

CrCo, Titanium

Carbide Super



Match Code	Y4-J22-006	Y4-J22-010	Y4-J22-020
Ø [mm]	0,6	1,0	2,0
Cutting	2	2	2



Compatible with Roland DWX 4 | 50 | 51D | 52DC

4 mm Shank

PMMA		
Carbide Basic		
	Match Code	R4-J10-010
Ø [mm]	1,0	2,0
Cutting	1	1

ZrO		
Carbide Premium		
	Match Code	R4-J24-010
Ø [mm]	1,0	2,0
Cutting	2	2

Universal			
Carbide Basic			
	Match Code	R4-J20-006	R4-J20-020
Ø [mm]	0,6	2,0	2,0
Cutting	2	2	2



TRADITION - PRECISION - QUALITY

FROM SWITZERLAND

JOTA aims to meet your high standards and to support you in your efforts to achieve a perfect restoration. You trust in being able to carry out your work efficiently using suitable, high-precision instruments.

Precision and **quality** are key performance characteristics of our products. With more than 100 years of experience and **tradition** developing and manufacturing rotary instruments, we guarantee that we can do justice to this trust.

Thank you for your loyalty to our products and services.

JOTA Dealer:

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