Rotary Instruments

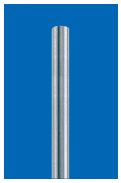
Burs make the difference! To be used where the surgeon requires high precision and safety!

When choosing rotary instruments, the following criteria are important:

Sharpness – Precision – Safety – Economical Price

Our rotary instruments have other important additional advantages:

- Minimum vibration and a smooth rotary action protect individual burs and the costly handpieces
- Extended bur life with improved cutting capabilities
- Efficient removal of tissue resulting from a well designed bur head
- Burs with either round or Xomed shanks


Round Shank

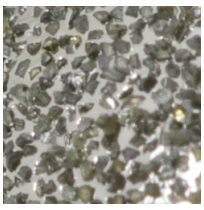

Xomed Shank

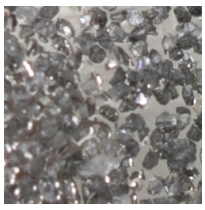
Diamond Burs

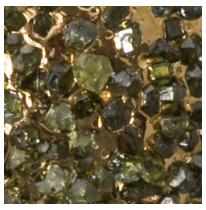
The coating of a diamond instrument is as important as the blade quality of a toothed instrument. Poorly coated instruments achieve less material removal and consequently lead to longer operations.
Furthermore, a poor coating can generate frictional heat which leads to thermal necrosis. The burs of Spiggle & Theis diamond instruments are made in a deep grinding procedure. Thus, shape dimension accuracy as well as the concentricity are considerably improved, when compared to the accuracy achieved using turning procedures.

- High quality instruments help the surgeon to achieve excellent clinical results
- Diamond burs mean reduced temperature, increased bone removal and long life. Spiggle & Theis burs guarantee a dense and regular diamond distribution which results in a highly abrasive performance and longer instrument life
- Most of our diamond burs are available in different grains, such as medium, coarse and extra-coarse


Medium Coarse Extra Coarse

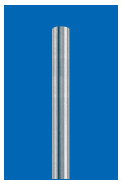

Medium


Coarse


Extra Coarse

Diamond Burs, Extra Coarse, Round Shank (ø 2.35 mm)

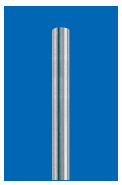
Head Ø	L = 70 mm	L = 95 mm	L = 125 mm
2.3 mm	DR070012393	DR095012393	DR125012393
2.7 mm	DR070012793	DR095012793	DR125012793
3.1 mm	DR070013193	DR095013193	DR125013193
3.5 mm	DR070013593	DR095013593	DR125013593
4.0 mm	DR070014093	DR095014093	DR125014093
4.5 mm	DR070014593	DR095014593	DR125014593
5.0 mm	DR070015093	DR095015093	DR125015093
6.0 mm	DR070016093	DR095016093	DR125016093
7.0 mm	DR070017093	DR095017093	DR125017093


Round Shank


Extra Coarse – Round

Diamond Burs, Medium, Round Shank (ø 2.35 mm)

Head Ø	L = 70 mm	L = 95 mm	L = 125 mm
0.6 mm	DR070010691	DR095010691	
0.7 mm	DR070010791		
0.8 mm	DR070010891	DR095010891	
1.0 mm	DR070011091	DR095011091	DR125011091
1.2 mm	DR070011291	DR095011291	
1.4 mm	DR070011491	DR095011491	DR125011491
1.6 mm	DR070011691	DR095011691	
1.8 mm	DR070011891	DR095011891	DR125011891
2.1 mm	DR070012191	DR095012191	DR125012191
2.3 mm	DR070012391	DR095012391	DR125012391
2.5 mm	DR070012591	DR095012591	DR125012591
2.7 mm	DR070012791	DR095012791	DR125012791
2,9 mm	DR070012991	DR095012991	
3.1 mm	DR070013191	DR095013191	DR125013191
3.3 mm			
3.5 mm	DR070013591	DR095013591	DR125013591
4.0 mm	DR070014091	DR095014091	DR125014091
4.5 mm	DR070014591	DR095014591	DR125014591
5.0 mm	DR070015091	DR095015091	DR125015091
6.0 mm	DR070016091	DR095016091	DR125016091
7.0 mm	DR070017091	DR095017091	DR125017091


Round Shank


Medium – Round

Diamond Burs, Medium, Xomed Shank (ø 2.35 mm)

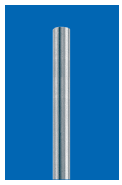
Head Ø	L = 51 mm	L = 64 mm	L = 75 mm
0.6 mm		DX064010691	DX075010691
1.0 mm		DX064011091	DX075011091
1.6 mm		DX064011691	DX075011691
2.0 mm	DX051012091		
2.1 mm		DX064012191	DX075012191
2.5 mm	DX051012591	DX064012591	DX075012591
3.1 mm		DX064013191	DX075013191
3.5 mm	DX051013591		
4.0 mm	DX051014091	DX064014091	DX075014091
5.0 mm		DX064015091	DX075015091
6.0 mm	DX051016091	DX064016091	DX075016091
7.0 mm		DX064017091	DX075017091


Xomed Shank


Medium – Round

Diamond Burs, Coarse, Round Shank (ø 2.35 mm)

Head Ø	L = 70 mm	L = 125 mm
0.6 mm	DR070010690	
0.8 mm	DR070010890	
1.0 mm	DR070011090	
1.8 mm	DR070011890	
2.1 mm	DR070012190	
2.7 mm		DR125012790
2.9 mm	DR070012990	
3.1 mm	DR070013190	
3.5 mm	DR070013590	
4.0 mm	DR070014090	
4.5 mm		DR125014590
5.0 mm	DR070015090	
6.0 mm	DR070016090	
6.5 mm	DR070016590	
7.0 mm	DR070017090	


Round Shank

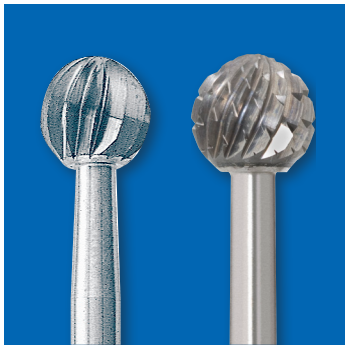

Coarse – Round

Rotary Instruments

Stainless Steel / Tungsten Carbide Burs

Choosing only the best materials sets the course for quality in general. Bending strength, breakage safety, corrosion resistance and metallurgical cleanliness – to name but a few – must comply with the highest standards. Our carefully selected supplier uses a special finishing process (HIP = hot isostatic pressing), to give the tungsten carbide its' practically pore-free structure. The result is a sharp ground and unmarred blade.

- The bur heads have an asymmetrical blade design which provides the surgeon with easy and controlled cutting. Furthermore, tissue can be efficiently and quickly removed whilst extending the life of the bur, by its' automatic cleaning process, which transports most of the bone particles away from the cutting area.
- Constant change in cutting speeds has become a thing of the past. The sharpness of our carbide burs is attained by a unique creep feed grinding process with fine diamond tools. Smooth surfaces and extremely sharp blades are the result.
- Tungsten carbide cross-cut burs encompass the characteristics of sharp cutting and a grinding edge in one instrument. The surgeon does not have to change the bur as often during the operation.
- Another advantage of the cross-cut instruments is even easier and improved bur control.



Tungsten Carbide (left)
Tungsten Carbide / Stainless Steel
Cross-Cut (right)

Omni A – The New Bur Generation

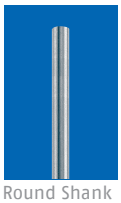
A new experience for most effective and smooth cutting

- Extremly low vibration
- Cutting points
- Small bone powder particles
- Controlled cutting
- Easy and smooth cutting
- Accurate bone removal
- Improved transportation of bone particles
- Stainless steel and tungsten carbide

Omni A

Tungsten Carbide Burs, Omni A, Round Shank (ø 2.35 mm)

Head (Ø)	Blades	L = 70 mm
1.0 mm	10	CR070221010
1.4 mm	10	CR070221410
1.8 mm	10	CR070221810
2.3 mm	10	CR070222310
3.1 mm	10	CR070223110
3.5 mm	10	CR070223510
4.0 mm	12	CR070224012
5.0 mm	14	CR070225014
6.0 mm	16	CR070226016
7.0 mm	18	CR070227018

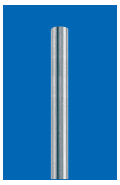


Round Shank

Tungsten Carbide Omni A

Tungsten Carbide Burs, Cross-Cut, Round Shank (ø 2.35 mm)

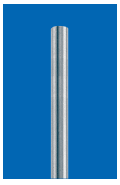
Head (Ø)	Blades	L = 44.5 mm	L = 51 mm	L = 70 mm	L = 95 mm
1.4 mm	10	CR044021410		CR070021410	
2.3 mm	12		CR051022312	CR070022312	
3.1 mm	12	CR044023112		CR070023112	CR095023112
4.0 mm	14	CR044024014	CR051024014	CR070024014	CR095024014
5.0 mm	14	CR044025014	CR051025014	CR070025014	CR095025014
6.0 mm	16	CR044026016		CR070026016	CR095026016
6.0 mm	20	CR044086020			


Round Shank


Tungsten Carbide Cross-Cut

Tungsten Carbide Burs, Round Shank (ø 2.35 mm)

Head (Ø)	Blades	L = 44.5 mm	L = 70 mm	L = 95 mm	L = 125 mm
0.5 mm	6	CR044010506	CR070010506	CR095010506	
0.7 mm	6	CR044010706			
0.8 mm	6	CR044010806	CR070010806	CR095010806	
0.9 mm	6	CR044010906			
1.0 mm	6	CR044011006	CR070011006	CR095011006	
1.2 mm	6	CR044011206	CR070011206	CR095011206	
1.4 mm	6	CR044011406	CR070011406		
1.6 mm	6		CR070011606	CR095011606	
1.8 mm	6		CR070011806	CR095011806	
1.8 mm	8	CR044011808			
2.1 mm	6		CR070012106	CR095012106	
2.1 mm	8	CR044012108			
2.3 mm	6		CR070012306	CR095012306	CR125012306
2.3 mm	8	CR044012308			
2.7 mm	8	CR044012708	CR070012708		
3.1 mm	6			CR095013106	
3.1 mm	8	CR044013108	CR070013108		CR125013108
3.5 mm	8	CR044013508	CR070013508	CR095013508	
4.0 mm	8		CR070074008	CR095014008	
4.0 mm	10	CR044014010	CR070014010	CR095014010	CR125014010
4.5 mm	10		CR070014510	CR095014510	
5.0 mm	8		CR070015008		
5.0 mm	12	CR044015012	CR070015012	CR095015012	CR125015012
5.5 mm	10		CR070075510	CR095075510	
6.0 mm	8		CR070016008		
6.0 mm	14		CR070016014	CR095016014	CR125016014
6.5 mm	8		CR070016508	CR095016508	
7.0 mm	16	CR044017016	CR070017016	CR095017016	CR125017016

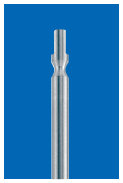

Round Shank


Tungsten Carbide Round

Rotary Instruments

Tungsten Carbide Burs, Xomed Shank (ø 2.35 mm)

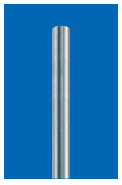
Head (Ø)	Blades	L = 64 mm	L = 75 mm
1.0 mm	6	CX064011006	CX075011006
2.1 mm	6	CX064012106	CX075012106
3.1 mm	6	CX064013106	CX075013106
4.0 mm	10	CX064014010	CX075014010
5.0 mm	12		CX075015012
6.0 mm	14	CX064016014	CX075016014
7.0 mm	16	CX064017016	CX075017016


Xomed Shank


Tungsten Carbide Round

Tungsten Carbide Burs, Egg-Shaped, Cross-Cut, Round Shank (ø 2.35 mm)

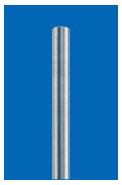
Head (Ø)	Blades	L = 70 mm	L=95 mm
4.0 mm	14	CR070064014	
5.5 mm	10		CR095075510
5.5 mm	16		CR095065516


Round Shank


Egg-Shaped, Cross-Cut

Stainless Steel Burs, Omni A, Round Shank (ø 2.35 mm)

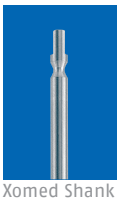
Head (Ø)	Blades	L = 70 mm
2.3 mm	10	SR070222310
3.1 mm	10	SR070223110
3.5 mm	10	SR070223510
4.0 mm	12	SR070224012
5.0 mm	14	SR070225014
6.0 mm	16	SR070226016
7.0 mm	18	SR070227018


Round Shank


Stainless Steel Omni A

Stainless Steel Burs, Omni A, Xomed Shank (ø 2.35 mm)

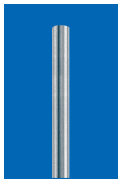
Head (Ø)	Blades	L = 55 mm	L = 64 mm
2.3 mm	10		SX064222310
3.1 mm	10		SX064223110
3.5 mm	10		SX064223510
4.0 mm	12		SX064224012
5.0 mm	14		SX064225014
6.0 mm	16		SX064226016
7.0 mm	18	SX055107018	SX064227018


Xomed Shank


Stainless Steel Omni A

Stainless Steel Burs, Round Shank (ø 2.35 mm)

Head (Ø)	Blades	L = 70 mm	L = 95 mm	L = 125 mm
0.6 mm	6	SR070010606	SR095010606	SR125010606
0.8 mm	6	SR070010806	SR095010806	SR125010806
1.0 mm	6	SR070011006	SR095011006	SR125011006
1.4 mm	8	SR070011408	SR095011408	SR125011408
1.8 mm	8	SR070011808	SR095011808	SR125011808
2.3 mm	8	SR070012308	SR095012308	SR125012308
2.3 mm	20	SR070012320	SR095012320	
2.7 mm	10	SR070012710	SR095012710	SR125012710
3.1 mm	6	SR070013106		SR125013106
3.1 mm	10	SR070013110	SR095013110	SR125013110
3.5 mm	6	SR070013506		SR125013506
3.5 mm	12	SR070013512	SR095013512	SR125013512
4.0 mm	12	SR070014012	SR095014012	SR125014012
4.5 mm	6	SR070014506		SR125014506
4.5 mm	12	SR070014512	SR095014512	SR125014512
5.0 mm	8	SR070015008		SR125015008
5.0 mm	12	SR070015012	SR095015012	SR125015012
6.0 mm	8			SR125016008
6.0 mm	14	SR070016014	SR095016014	SR125016014
7.0 mm	16	SR070017016	SR095017016	SR125017016


Round Shank


Stainless Steel, Round

Stainless Steel Burs, Xomed Shank (ø 2.35 mm)

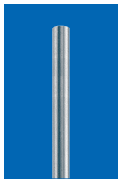
Head (Ø)	Blades	L = 64 mm	L = 75 mm
0.6 mm	6	SX064010606	SX075010606
1.0 mm	6	SX064011006	SX075011006
1.6 mm	6	SX064011606	SX075011606
1.8 mm	8	SX064011808	SX075011808
2.3 mm	8	SX064012308	SX075012308
2.7 mm	10	SX064012710	SX075012710
3.1 mm	10	SX064013110	SX075013110
3.5 mm	12	SX064013512	SX075013512
4.0 mm	12	SX064014012	SX075014012
4.5 mm	12	SX064014512	SX075014512
5.0 mm	12	SX064015012	SX075015012
7.0 mm	16	SX064017016	SX075017016


Xomed Shank


Stainless Steel, Round

Stainless Steel Burs, Egg-Shaped, Cross-Cut, Round Shank (ø 2.35 mm)

Head (Ø)	Blades	Head Length	L = 70 mm
4.0 mm	10	9.5 mm	SR070074010
5.0 mm	12	10.0 mm	SR070075012
6.0 mm	14	11.0 mm	SR070076014
7.0 mm	16	12.0 mm	SR070077016

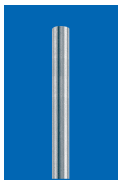

Round Shank


Egg-Shaped, Cross-Cut

Rotary Instruments

Stainless Steel Burs, Bud-Shaped, Round Shank (ø 2.35 mm)

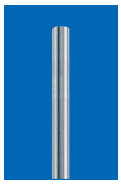
Head (Ø)	Blades	Head Length	L = 70 mm	L = 125 mm
4.0 mm	10	8.0 mm	SR070084010	SR125084010
5.0 mm	12	9.5 mm	SR070085012	
6.0 mm	14	11.0 mm	SR070086014	SR125086014
7.0 mm	16	12.5 mm	SR070087016	
8.0 mm	16	14.0 mm	SR070088016	


Round Shank


Bud-Shaped

Stainless Steel Burs, Bud-Shaped, Cross-Cut, Round Shank (ø 2.35 mm)

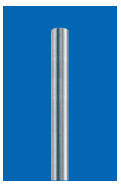
Head (Ø)	Blades	Head Length	L = 70 mm
4.0 mm	10	8.0 mm	SR070094010
5.0 mm	12	9.5 mm	SR070095012
6.0 mm	14	11.0 mm	SR070096014
8.0 mm	16	14.0 mm	SR070098016


Round Shank


Bud-Shaped, Cross-Cut

Stainless Steel Burs, Cylindrical, Cross-Cut, Round Shank (ø 2.35 mm)

Head (Ø)	Blades	Head Length	L = 70 mm
4.0 mm	10	8.0 mm	SR070124010
5.0 mm	12	9.5 mm	SR070125012
6.0 mm	14	11.0 mm	SR070126014
7.0 mm	16	12.5 mm	SR070127016
8.0 mm	16	14.0 mm	SR070128016


Round Shank


Cylindrical, Cross-Cut

Stainless Steel Burs, Acorn-Shaped, Xomed Shank (ø 2.35 mm)

Head (Ø)	Blades	L = 51 mm	L = 64 mm
1.0 mm	6	SX051141006	SX064141006
1.4 mm	6	SX051141406	
2.3 mm	8		SX064142308
2.7 mm	8	SX051142708	SX064142708
3.7 mm	8	SX051143708	
4.6 mm	8	SX051144608	


Xomed Shank


Acorn-Shaped

Stands for Rotary Instruments

- Suitable for various lengths of drills
- Stainless steel
- Sterilizable
- Solid and stable
- For 16, 34 or 48 burs
- Individual etching on request – please ask for more information!

Art.-No.	Burs	Length of burs	Feature	Packaging
BS23504516	16	44.5 mm		1 piece
BS23504534	34	44.5 mm		1 piece
BS23504534-B	34	44.5 mm	etched	1 piece
BS23507016	16	70 mm		1 piece
BS23507034	34	70 mm		1 piece
BS23507034-B	34	70 mm	etched	1 piece
BS23507048	48	70 mm		1 piece
BS23509516	16	95 mm		1 piece
BS23509534	34	95 mm		1 piece
BS23512516	16	125 mm		1 piece

In this catalogue you can find a selection of the most popular designs. However, in addition we can also offer you a wide range of other designs with differing shaft types. Special production runs can also be made, if justified by volume.
In addition to low-speed burs a selection of high-speed burs for several systems is also available. We would be very happy to advise you individually in a personal meeting.

NEW!

We offer a wide range of sterile burs too.

Please feel free to ask which models and sizes belong to our expanded portfolio.