

DIAMONDS/CARBIDES

SHOFU ROBOT® FG DIAMONDS



Grit:
 R=Regular
 C=Coarse
 SC=Super Coarse
 F=Fine
 SF=Super Fine

- Rated #1 in overall performance by a national research organization
- Economically priced
- Made by high technology robots in a computer-automated environment untouched by human hands
- Multi-coating technique with a special surface treatment for durability – maintains cutting efficiency with less clogging
- Smooth cutting & long lasting performance
- Grits diamonds are available in: Super Fine (SF), Fine (F), Standard (R), Coarse (C) & Super Coarse (SC)
- **Use Robot FG Diamonds for:** cavity & crown preparation

SHAPE CATEGORY	Straight Cylinder					Round End Straight Cylinder			
SHAPE									
ISO#	107/010	109/013	110/015	110/016	110/018	289/016	289/015	130/016	130/014
LENGTH	4.0	4.5	7.0	7.0	7.0	8.0	8.0	8.0	8.0
GRIT	R	R	R	R	R	SC	C	R	F
PN (1 PK)	0800-1	0801-1	0803-1	0805-1	0807-1	845X-1	845C-1	0846-1	846F-1

SHAPE CATEGORY	Flat End Tapered Cylinder									
SHAPE										
ISO#	170/012	170/017	170/017	170/022	171/016	172/019	172/021	173/017	173/015	174/020
LENGTH	4.0	4.4	5.0	5.0	7.0	9.0	9.0	10.0	10.0	12.0
GRIT	R	R	R	R	R	C	R	R	F	R
PN (1 PK)	0810-1	0812-1	0813-1	0814-1	0816-1	817C-1	0818-1	0820-1	820F-1	0822-1

SHAPE CATEGORY	Flat End Tapered Cylinder	Corner Round Tapered Cylinder								
SHAPE										
ISO#	173/022	196/013	544/018	544/018	544/021	544/021	545/018	545/018	553/019	553/019
LENGTH	10.0	5.0	4.0	4.0	5.0	5.0	7.0	7.0	10.0	10.0
GRIT	R	R	R	SF	R	SF	R	SF	R	SF
PN (1 PK)	0824-1	0830-1	0789-1	789V-1	0790-1	790V-1	0791-1	791V-1	0792-1	792V-1



SHAPE CATEGORY	Corner Round Tapered Cylinder						Needle Tapered Cylinder			
SHAPE										
ISO#	553/023	553/023	544/027	544/027	544/031	544/031	164/014	165/013	165/012	166/016
LENGTH	10.0	10.0	3.5	3.5	3.5	3.5	6.0	8.0	8.0	10.0
GRIT	R	SF	R	SF	R	SF	F	R	F	R
PN (1 PK)	0793-1	793V-1	0825-1	825V-1	0826-1	826V-1	847F-1	0848-1	848F-1	0850-1

SHAPE CATEGORY	Needle Tapered Cylinder			Round End Tapered Cylinder						
SHAPE										
ISO#	166/018	166/015	166/022	198/013	222/016	222/018	222/015	223/017	198/018	193/016
LENGTH	10.0	10.0	10.0	9.0	7.0	7.0	7.0	9.0	9.0	10.0
GRIT	SC	F	R	R	R	SC	F	R	SF	R
PN (1 PK)	850X-1	850F-1	0852-1	0831-1	0832-1	832X-1	832F-1	0833-1	833V-1	0834-1

SHAPE CATEGORY	Round End Tapered Cylinder									
SHAPE										
ISO#	223/018	223/019	223/018	223/016	198/021	198/021	223/023	223/023	198/023	198/023
LENGTH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	11.5	9.0	9.0
GRIT	R	SC	C	F	R	SF	R	R	R	SF
PN (1 PK)	0835-1	835X-1	835C-1	835F-1	0836-1	836V-1	0837-1	0838-1	0839-1	839V-1

SHAPE CATEGORY	Flame									
SHAPE										
ISO#	249/014	249/016	249/015	249/013	249/012	243/009	249/017	249/016	243/012	249/023
LENGTH	7.5	7.5	7.5	7.5	7.5	4.0	7.5	7.5	6.0	9.0
GRIT	R	SC	C	F	SF	SF	R	F	SF	R
PN (1 PK)	0840-1	840X-1	840C-1	840F-1	840V-1	841V-1	0842-1	842F-1	843V-1	0844-1

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SHAPE CATEGORY	S Type Inverted Cone						Corn			
SHAPE										
ISO#	032/013	032/018	032/021	019/010	019/015	019/017	039/033	039/034	031/035	031/035
LENGTH	1.5	2.0	2.3	2.2	3.6	3.5	5.0	5.0	5.7	5.7
GRIT	R	R	R	R	R	R	R	SC	R	SF
PN (1 PK)	0855-1	0856-1	0858-1	0859-1	0860-1	0861-1	0898-1	898X-1	0899-1	899V-1

SHAPE CATEGORY	Inverted Cone					Pear				
SHAPE										
ISO#	012/014	012/016	013/025	225/020	226/024	237/015	237/018	237/025	237/033	237/034
LENGTH	1.4	1.6	1.7	4.4	7.0	4.5	4.5	6.5	5.0	5.0
GRIT	R	R	R	R	R	R	R	R	R	SC
PN (1 PK)	0864-1	0865-1	0866-1	0868-1	0870-1	0878-1	0879-1	0891-1	0892-1	892X-1

SHAPE CATEGORY	Wheel		Knife Edge Wheel		Round Edge Wheel				Egg	
SHAPE										
ISO#	042/044	041/052	304/028	304/050	068/034	068/046	068/047	068/046	277/029	277/029
LENGTH	1.4	0.8	0.8	1.2	1.3	1.8	1.9	1.8	4.9	4.9
GRIT	R	R	R	R	R	R	SC	C	R	SF
PN (1 PK)	0885-1	0886-1	0888-1	0890-1	0894-1	0895-1	895X-1	895C-1	0893-1	893V-1

SHAPE CATEGORY	Guide Groove Cutter		Bud							
SHAPE										
ISO#	522/026	552/036	243/017	243/014	257/022	243/022	243/023	243/022	243/020	243/019
LENGTH	3.6	4.0	3.0	3.4	3.5	5.0	5.0	5.0	5.0	5.0
GRIT	R	R	R	SF	R	R	SC	C	F	SF
PN (1 PK)	0896-1	0897-1	0880-1	880V-1	0881-1	0883-1	883X-1	883C-1	883F-1	883V-1



SHAPE CATEGORY	Round						
SHAPE							
ISO#	001/014	001/016	001/015	001/018	001/017	001/022	001/024
LENGTH	1.0	1.2	1.3	1.4	1.4	1.8	1.8
GRIT	R	R	SF	R	F	R	SC
PN (1 PK)	0872-1	0874-1	874V-1	0875-1	875F-1	0876-1	876X-1

SHAPE CATEGORY	Minimally Invasive Preparation					
SHAPE						
ISO#	001/009	001/011	001/013	237/008	237/010	237/012
LENGTH	0.7	0.9	1.1	2.0	2.0	2.0
GRIT	R	R	R	R	R	R
PN (1 PK)	0944-1	0945-1	0946-1	0947-1	0948-1	0949-1

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PN

Product

See chartsFG Diamonds (1 per pack)

See chartsFG Diamonds (6 per pack)