

MULTILAYER DIAMOND INSTRUMENTS

ROTTA
DIAMOND
TECH

* REF on back side

Head shape	ISO Ø 1/10 mm	Head L in mm	FG MLX	FG ML	FG F	FG XF	FG UF	FG Tapspin
801	009		200077AA					
801	010		200079AA					
801	012		200081AA					
801	014		200083AA					
801	016		200086AA					
801	018		200090AA					
801	020		200094AA					
801	023		200097AA					
801	027		200100AA					
801	033		200101AA					
802	009	2.3	200103AA					
802	012	2.3	200105AA					
802	014	2.3	200106AA					
802	016	2.3	200108AA					

Head shape	ISO Ø 1/10 mm	Head L in mm	FG MLX	FG ML	FG F	FG XF	FG UF	FG Tapspin
802	018		200109AA					
805	010	0.8	200111AA					
805	012	0.9	200112AA					
805	014	1.4	200113AA					
805	016	1.4	200115AA					
805	018	1.6	200116AA					
805	023	2.1	200117AA					
806	009	2.2	200120AA					
806	010	2.2	200121AA					
806	012	2.2	200122AA					
806	014	2.2	200123AA					
806	016	2.5	200124AA					
807	010	3.5	200126AA					
807	012	3.5	200127AA					

Head shape	ISO Ø 1/10 mm	Head L in mm	FG MLX	FG ML	FG F	FG XF	FG UF	FG Tapspin
807	018	4	200130AA					
807	018	5	200131AA					
811	031	4.2	200134AA					
811	033	5	200136AA					
811	037	7	200137AA					
811	048	8	200138AA					
813	010	1.5	200140AA					
813	014	1.5	200141AA					
813	018	2	200143AA					
818	025	0.7	200145AA					
828	022	1	200798AA					
828	026	1	200799AA					
828	030	1	200797AA					
830	009	2.7	200158AA					

Head shape	ISO Ø 1/10 mm	Head L in mm	FG MLX	FG ML	FG F	FG XF	FG UF	FG Tapspin
830	010	2.7	200160AA					
830	012	2.7	200162AA					
830	014	2.7	200165AA					
830	016	2.7	200168AA					
830L	010	4	200174AA					
830L	012	4	200177AA					
830L	014	5	200180AA					
830L	016	5	200184AA					
830L	018	5	200186AA					
830L	020	5	200188AA					
830L	026	7	200189AA					
834	016	6.8	200190AA					
834	021	6.8	200191AA					
835	008	3	200198AA					

Head shape	ISO Ø 1/10 mm	Head L in mm	FG MLX	FG ML	FG F	FG XF	FG UF	FG Tapspin
835	009	3	200201AA					
835	010	4	200203AA					
835	012	4	60021818					
835	014	4	200211AA					
835	016	4	200212AA					
835R	008	3	200217AA					
835R	010	4	200219AA					
835R	012	4	200220AA					
835R	014	4	200223AA					
836	012	6	200226AA					
836	014	6	200228AA					
836	016	6	200230AA					
836	018	6	200232AA					
836R	008	6	200237AA					

Head shape	ISO Ø 1/10 mm	Head L in mm	FG MLX	FG ML	FG F	FG XF	FG UF	FG Tapspin
836R	010	6	200239AA					
836R	012	6	200241AA					
836R	014	6	200242AA					
837	012	7	200250AA					
837	012	8	200252AA					
837	014	8	200255AA					
837	016	8	200258AA					
837	018	8	200260AA					
837R	012	8	200265AA					
837R	014	8	200267AA					
838	009	3	200272AA					
838	010	4	200273AA					
838	012	4	200275AA					
838	014	4	200276AA					

Head shape	ISO Ø 1/10 mm	Head L in mm	FG MLX	FG ML	FG F	FG XF	FG UF	FG Tapspin
839	010		200278AA					
839	012		200280AA					
839	014		200282AA					
842	014	12	200284AA					
845	010	4	200288AA					
845	012	4	200290AA					
845	014	4	200291AA					
845	016	4	200294AA					
845	023	5	200295AA					
845R	016	4	200297AA					
845R	025	4	200819AA					
846	012	6	200304AA					
846	014	6	200305AA					
846	016	6	200306AA					

Head shape	ISO Ø 1/10 mm	Head L in mm	ISO	FG MLX	FG ML	FG F	FG XF	FG UF	FG Topspin	FGS*	FG L*	FG XL*
846	016	7	ISO 171...016	200309AA	200308AA					×		
846	018	7	ISO 171...018	200311AA								
846	023	7	ISO 171...023	200313AA						×		
846R	016	6	ISO 945...016	200315AA	200314AA							
847	012	8	ISO 172...012	200324AA								
847	014	8	ISO 172...014	200327AA	200326AA					×		
847	016	8	ISO 172...016	200330AA	200329AA							
847	018	8	ISO 172...018	200333AA	200332AA							
847	025	8	ISO 172...025	205021AA								
847	028	8	ISO 172...028	200336AA								
847R	016	8	ISO 546...016	200338AA	200337AA							
847R	018	8	ISO 546...018	200760AA	200759AA							
848	012	10	ISO 173...012	200342AA								
848	014	10	ISO 173...014	200345AA	200344AA							

Head shape	ISO Ø 1/10 mm	Head L in mm	ISO	FG MLX	FG ML	FG F	FG XF	FG UF	FG Topspin	FGS*	FG L*	FG XL*
848	016	10	ISO 173...016	200348AA	200347AA							
848	018	10	ISO 173...018	200351AA	200350AA							
848	023	10	ISO 173...023	205029AA								
848	031	10	ISO 173...031	200355AA	200354AA							
848L	018	12	ISO 174...018	200360AA								
848R	016	10	ISO 553...016	200762AA	200761AA							
849	009	4	ISO 196...009	200362AA								
849	012	4	ISO 196...012	200363AA								
849	016	4	ISO 196...016	200364AA								
849	025	4	ISO 196...025	200366AA	200365AA							
850	012	10	ISO 199...012	200372AA	200371AA							
850	014	10	ISO 199...014	200374AA	200373AA							
850	016	10	ISO 199...016	200376AA	200375AA							
850	018	10	ISO 199...018	200379AA	200378AA							

Head shape	ISO Ø 1/10 mm	Head L in mm	ISO	FG MLX	FG ML	FG F	FG XF	FG UF	FG Topspin	FGS*	FG L*	FG XL*
850	018	8	ISO 198...018	200382AA	200381AA							
850	023	10	ISO 199...023	200383AA								
850L	016	12	ISO 200...016	200387AA	200386AA							
850L	018	12	ISO 200...018	200388AA								
850N	014	10	ISO 199...014	200389AA								
851	012	8	ISO 219...012	200390AA								
851	016	8	ISO 219...016	200391AA								
852	010	6	ISO 164...010	200396AA								
852	012	6	ISO 164...012	200398AA								
852	016	6	ISO 164...016	200397AA	200400AA							
852	014	6	ISO 164...014	200401AA								
852	016	6	ISO 164...016	200403AA	200402AA							
853	008	3.5	ISO 164...008	200406AA	200405AA							
855	010	6	ISO 197...010	200413AA								
855	012	6	ISO 197...012	200414AA								

Head shape	ISO Ø 1/10 mm	Head L in mm	ISO	FG MLX	FG ML	FG F	FG XF	FG UF	FG Topspin	FGS*	FG L*	FG XL*
855	014	6	ISO 197...014	200417AA	200416AA							
855	016	6	ISO 197...016	200418AA								
856	012	8	ISO 198...012	200433AA								
856	014	8	ISO 198...014	200435AA	200434AA							
856	014	9	ISO 198...014	200437AA	200436AA							
856	016	7	ISO 197...016	200440AA	200439AA							
856	016	8	ISO 198...016	200443AA	200442AA							
856	016	9	ISO 198...016	200445AA								
856	018	8	ISO 198...018	200448AA								
856	018	9	ISO 198...018	200451AA	200450AA							
856	021	9	ISO 198...021	200453AA	200452AA							
856	025	7	ISO 197...025	205055AA								
856	025	8	ISO 198...025	200864AA								
856L	012	10	ISO 199...012	200461AA								

Head shape	ISO Ø 1/10 mm	Head L in mm	ISO	FG MLX	FG ML	FG F	FG XF	FG UF	FG Topspin	FGS*	FG L*	FG XL*
856L	014	10	ISO 199...014	200462AA								
856L	016	10	ISO 199...016	200465AA	200464AA							
856L	018	10	ISO 199...018	205059AA								
856L	018	11	ISO 199...018	200468AA	200467AA							
856XL	016	12	ISO 200...016	200471AA	200470AA							
856XL	016	12	ISO 200...016	200485AA								
856XL	012	12	ISO 200...012	200486AA								
856N	014	8	ISO 198...014	200477AA	200476AA							
856N	016	8	ISO 198...016	200480AA								
858	012	8	ISO 165...012	200491AA	200490AA							
858	014	8	ISO 165...014	200495AA	200494AA							
858	016	8	ISO 165...016	200499AA	200498AA							
859	010	10	ISO 166...010	200503AA	200502AA							
859	012	10	ISO 166...012	200507AA	200506AA							
859	012	9	ISO 166...012	200930AA								

Head shape	ISO Ø 1/10 mm	Head L in mm	ISO	FG MLX	FG ML	FG F	FG XF	FG UF	FG Topspin	FGS*	FG L*	FG XL*
859	014	10	ISO 166...014	200509AA	200508AA							
859	016	10	ISO 166...016	200512AA								
859	018	10	ISO 166...018	200514AA	200513AA							
859	021	10	ISO 166...021	200518AA								
859	024	10	ISO 166...024	200520AA	200519AA							
860	012	5	ISO 245...012	200526AA	200525AA							
860	012	6.5	ISO 248...012	200529AA								
860	014	5	ISO 247...014	200531AA	200530AA							
862	010	8	ISO 249...010	200540AA	200539AA							
862	012	8	ISO 249...012	200544AA	200543AA							
862	014	8	ISO 249...014	200546AA	200545AA							
862	014	8	ISO 249...014	200548AA	200547AA							
862	016	8	ISO 249...016	200551AA	200550AA							
863	012	10	ISO 250...012	200560AA	200559AA							
863	014	10	ISO 250...014	200564AA	200563AA							

Head shape	ISO Ø 1/10 mm	Head L in mm	ISO	FG MLX	FG ML	FG F	FG XF	FG UF	FG Topspin	FGS*	FG L*	FG XL*
863	016	10	ISO 250...016	200569AA	200568AA							
864	014	12	ISO 251...014	200573AA	200572AA							
868	014	8	ISO 198...014	200575AA								
873	014	2	ISO 162...014	200577AA								
874	008	3	ISO 535...008	200921AA								
874	010	2	ISO 534...010	200580AA								
874	012	2	ISO 534...012	200583AA	200584AA							
876	010	5	ISO 287...010	200585AA								
877	010	6	ISO 288...010	200590AA	200589AA							
877	012	6	ISO 288...012	200592AA								
877K	012	6	ISO 297...012	200602AA								
877K	014	6	ISO 297...014	200604AA								
877K	016	6	ISO 297...016	200606AA	200605AA							
877K	018	6	ISO 297...018	200609AA	200608AA							

GUIDE PIN BURS

215606AA	ISO 508...018	856P 018 8	
215609AA	ISO 508...021	856P 021 8	
215615AA 215614AA	ISO 508...018	878KP 018 8	
215618AA 215617AA	ISO 508...018	878KP 021 8	

RA SHANK BURS

200787AA 200786AA 200788AA	ISO 206 267...014	893 014 7	
200790AA 200789AA 200791AA	ISO 206 268...014	893L 014 7	
200787AA 200780AA 200782AA	ISO 206 258...014	368 014 5	
200784AA 200783AA 200785AA	ISO 206 259...014	368L 014 5	

Z-REX BURS

FG C	ISO 001...012	ZR801 012	
FG M	ISO 001...014	ZR801 014	
60022023	ISO 001...018	ZR801 018	
60022024	ISO 001...018	ZR801 018	
60022025	ISO 001...018	ZR801 018	
60022026	ISO 199...016	ZR850 016 10	
60022027	ISO 199...018	ZR850 018 10	
60022028	ISO 198...018	ZR856 018 8	
60022029	ISO 249...014	ZR862 014 8	
60022030	ISO 250...014	ZR863 014 10	
60022031	ISO 141...014	ZR881 014 8	
60022032	ISO 141...016	ZR881 016 10	
60022022	ISO 277...023	ZR379 023 5	

8 μ GRIT BUR

60013866	ISO 250...012	860 012 10	
60013776	ISO 251...014	864 014 12	

MICRO BURS

200975AA	ISO 001...009	801M 007 0.6	
200976AA	ISO 578...007	838M 007 2.4	
200977AA	ISO 262...007	889M 007 2.4	

FG MLX FG ML FG F FG XF FG UF FG Topspin	ISO 297...021	877K 021 6	
200611AA 200610AA	ISO 289...010	878 010 8	
200615AA 200614AA	ISO 289...012	878 012 8	
200617AA 200616AA	ISO 289...014	878 014 8	
200620AA	ISO 289...016	878 016 8	
200631AA 200630AA	ISO 298...010	878K 010 8	
200633AA 200632AA	ISO 298...012	878K 012 8	
200635AA 200634AA	ISO 298...014	878K 014 8	
200639AA 200638AA 200637AA	ISO 298...016	878K 016 8	
200642AA 200641AA 200640AA	ISO 298...018	878K 018 8	
200644AA 200643AA	ISO 298...021	878K 021 8	
200651AA 200650AA	ISO 290...012	879 012 10	
200654AA 200653AA 200652AA	ISO 290...014	879 014 10	
200655AA	ISO 290...016	879 016 10	

FG MLX FG ML FG F FG XF FG UF FG Topspin	ISO 299...012	879K 012 10	
200660AA	ISO 299...014	879K 014 10	
200664AA	ISO 299...016	879K 016 10	
200668AA 200667AA	ISO 299...018	879K 018 10	
200671AA 200670AA 200669AA	ISO 299...021	879K 021 10	
200675AA 200674AA	ISO 140...012	880 012 6	
200680AA 200679AA	ISO 140...014	880 014 6	
200684AA 200683AA	ISO 141...010	881 010 8	
200693AA 200692AA	ISO 141...012	881 012 8	
200696AA	ISO 141...014	881 014 8	
200699AA 200698AA 200697AA	ISO 141...016	881 016 8	
200701AA 200700AA	ISO 142...012	882 012 10	
200702AA	ISO 142...014	882 014 10	
200705AA 200704AA	ISO 129...012	884 012 6	

FG MLX FG ML FG F FG XF FG UF FG Topspin	ISO 130...012	885 012 8	
200711AA 200710AA	ISO 130...014	885 014 8	
200715AA 200714AA 200713AA	ISO 131...012	886 012 10	
200719AA 200718AA	ISO 131...014	886 014 10	
200723AA 200722AA 200721AA	ISO 131...016	886 016 10	
200726AA 200725AA 200724AA	ISO 211...018	886K 018 9.5	
200730AA	ISO 894...009	889 009 3.5	
200734AA 200733AA 200732AA	ISO 213...016	898 016 11	
200736AA	ISO 033...027	899 027 7	
200738AA	ISO 017...023	905 023 2.7	
200742AA 200741AA	ISO 017...027	905 027 2.9	
200745AA 200744AA	ISO 017...031	905 031 3.1	
200752AA 200751AA	ISO 068...040	909 040 1.5	
200754AA 200753AA	ISO 068...045	909 045 1.5	

FG MLX FG ML FG F FG XF FG UF FG Topspin	ISO 068...055	909 055 2	
200757AA 200756AA	ISO 257...016	368 016 3.5	
200054AA 200049AA 200047AA 200066AA	ISO 257...018	368 018 4	
200099AA	ISO 257...020	368 020 5	
200011AA 200010AA 200013AA 200013AA 200012AA	ISO 257...023	368 023 5	
200016AA 200015AA 200014AA 200018AA 200017AA	ISO 277...014	379 014 3	
200025AA 200024AA 200026AA	ISO 277...016	379 016 3.5	
200030AA 200029AA 200031AA	ISO 277...018	379 018 3.5	
200033AA	ISO 277...023	379 023 4.2	
200036AA	ISO 277...027	379 027 5	
200039AA 200038AA 200037AA 200041AA 200041AA 200040AA 200059AA	ISO 270...014	390 014 3	
200044AA 200043AA 200046AA 200045AA	ISO 465...016	392 016 6	
200048AA 200047AA	ISO 465...016	392 016 8	
200051AA 200050AA	ISO 465...018	392 018 8	

FG MLX FG ML FG F FG XF FG UF FG Topspin	ISO 465...021	392 021 10	
200056AA	ISO 6051...018	6051 018 6	
200059AA 200058AA	ISO 6052...018	6052 018 8	
200061AA 200060AA	ISO 6053...018	6053 018 10	
200063AA 200062AA	ISO 6054...018	6054 018 6	
200065AA 200064AA	ISO 6055...018	6055 018 8	
200069AA 200068AA	ISO 6056...018	6056 018 10	

Order information

ISO number (shape, variable grit size, diameter)

Head shape
Head diameter in 1/10 mm
Head length

Grit sizes:

MLX	150 µm*	C	105-149 µm
ML	105 µm*	M	88-105 µm
F	40 µm*		
XF	25 µm*		
UF	15 µm*		
UF	8 µm*		
Topspin	150 µm*		

Head shape	856
ISO Ø 1/10 mm	016
Head L in mm	8
FG MLX	200443AA
FG ML	200442AA
FG F	200441AA
FG XF	
FG UF	
FG Topspin	
	205049AA

ISO 198...016

Full size illustration 1:1

Order numbers in respective grit (FG Shank)

Further shank types available

* Average value

Head shapes

No.	Description	No.	Description	No.	Description
801	Round	849	Round End Taper	882	Round End Cylinder
802	Round with Collar	850	Round End Taper	884	Beveled Cylinder
805	Inverted Cone	850L	Round End Taper Long	885	Beveled Cylinder
806	Inverted Cone with Collar	850N	Round End Taper Narrow	886	Beveled Cylinder
807	Inverted Cone	851	Round End Taper with Safe End	886K	Beveled Taper
811	Occlusal Reduction/Barrel	852	Needle	889	Flame
813	Diabolo	853	Needle	893	Round End Taper
818	Wheel	855	Round End Taper	893L	Round End Taper Long
828	Wheel	856	Round End Taper	898	Tapered Torpedo
830	Pear	856L	Round End Taper Long	899	Occlusal Reduction
830L	Pear Long	856XL	Round End Taper Extra Long	905	Acorn
834	Depth Marker	856N	Round End Taper Long Narrow	909	Wheel
835	Cylinder	858	Needle	368	Bud
835R	Rounded Edge Cylinder	859	Needle	368L	Bud Long
836	Cylinder	860	Flame	379	Egg
836R	Rounded Edge Cylinder	862	Flame	390	Grenade
837	Cylinder	863	Flame	392	Interproximal
837R	Rounded Edge Cylinder	864	Flame	6051	Cylinder
838	Round End Cylinder	868	Round End Taper	6052	Cylinder
839	End Cutting Cylinder	873	Pointed End Taper	6053	Cylinder
842	Cylinder	874	Torpedo	6054	Taper
845	Flat End Taper	876	Torpedo	6055	Taper
845R	Rounded Edge Taper	877	Torpedo	6056	Taper
846	Flat End Taper	877K	Tapered Torpedo	801M	Round
846R	Rounded Edge Taper	878	Torpedo	838M	Round End Cylinder
847	Flat End Taper	878K	Tapered Torpedo	889M	Flame
847R	Rounded Edge Taper	879	Torpedo	856P	Round End Taper with Pin
848	Flat End Taper	879K	Tapered Torpedo	878KP	Tapered Torpedo with Pin
848L	Flat End Taper Long	880	Round End Cylinder		
848R	Rounded Edge Taper	881	Round End Cylinder		

Recommended Speed Ranges

Head diameter in 1/10 mm	RPM	Head diameter in 1/10 mm	RPM
007-011	75.000-150.000	029-032	25.000-56.000
012-015	60.000-110.000	033-041	22.000-45.000
016-019	45.000-88.000	042-054	20.000-37.000
021-023	40.000-75.000	055-060	17.000-32.000
024-028	30.000-65.000		

Recommended Speed Ranges Z-Rex

Head diameter in 1/10 mm	RPM	Head diameter in 1/10 mm	RPM
012	160.000-300.000	018	105.000-210.000
014	135.000-275.000	023	85.000-165.000
016	120.000-240.000		

FGS Short Shank (ISO 313)

Head Shape	ISO Ø 1/10 mm	Head L in mm	Grit	REF	Head Shape	ISO Ø 1/10 mm	Head L in mm	Grit	REF	Head Shape	ISO Ø 1/10 mm	Head L in mm	Grit	REF
801	010		ML	200072AA	855	010	6	ML	200409AA	878K	010	8	ML	200621AA
801	014		ML	200074AA	855	014	6	ML	200411AA	878K	012	8	ML	200622AA
801	018		ML	200076AA	855	016	6	ML	200412AA	878K	014	8	ML	200623AA
805	012	0.9	ML	200110AA	856	016	8	ML	200423AA	878K	016	8	ML	200625AA
830	010	2.7	ML	200154AA	856	016	9	ML	200425AA	878K	018	8	ML	200627AA
835	008	3	ML	200192AA	856	018	8	ML	200427AA	880	012	6	ML	200676AA
835	010	4	ML	200194AA	856	025	7	ML	200432AA	880	014	6	MLX	200678AA
835	012	4	ML	200195AA	858	012	8	ML	200487AA	881	010	8	ML	200685AA
835R	010	4	ML	200213AA	858	014	8	ML	200488AA	881	014	8	ML	200687AA
836R	012	6	ML	200234AA	862	010	8	ML	200534AA	881	016	8	ML	200689AA
837R	012	8	ML	200262AA	877	010	6	ML	200586AA	368	023	5	ML	200002AA
845	010	4	ML	200285AA	878	012	8	ML	200613AA	379	023	5	ML	200022AA
845	012	4	ML	200286AA										
846	016	7	ML	200300AA										
846	023	7	ML	200303AA										
847	014	8	ML	200317AA										

FGL Shank (ISO 315)

Head Shape	ISO Ø 1/10 mm	Head L in mm	Grit	REF
801	014		ML	200808AA
801	016		MLX	200758AA

FGXL Shank (ISO 316)

Head Shape	ISO Ø 1/10 mm	Head L in mm	Grit	REF	Head Shape	ISO Ø 1/10 mm	Head L in mm	Grit	REF
801	009		F	200792AA	801	018		MLX	200985AA
801	012		MLX	200979AA	801	018		ML	200984AA
801	012		ML	200978AA	801	020		MLX	200987AA
801	014		MLX	200981AA	801	020		ML	200986AA
801	014		ML	200980AA	830L	010	4	F	200793AA
801	016		MLX	200983AA	889	009	3.5	F	200794AA
801	016		ML	200982AA					

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