

RHD

DENTAL HANDPIECES &
DENTAL BEARINGS

INTERCHANGE



RHD BEARING CO., LTD / Website: www.rhdbearing.com / Email: info@rhdbearing.com

Abu [Handpiece Brand]

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Note	RHD P/N	Shields	Flange	Notes
350000 RPM	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

Adec

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
5000 - 5100	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

Alpha Air

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
A2075	F.R144.W	1	Y		F.R144.W	1	Y	

BA

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Ultima 650L	R144.Z.Q	1	N		R144.Z.Q	1	N	

Banner

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Banner	R144.Z.Q	1	N		R144.Z.Q	1	N	

Beaver

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Slow Speed/40000rpm	638/3ZZ	2	N	M2O	638/3ZZ	2	N	M2O

Bien Air

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Note	RHD P/N	Shields	Flange	Notes
Black Pearl	R144.ZZ.WX3	2	N		R144.ZZ.WX3	2	N	
Bora	R144.Z.WX3	1	N		R144.Z.WX3	1	N	

Laboratory	R144.Z.WX3	1	N		R144.Z.WX3	1	N	
Micromotor Aquilon 830 -850	R144.Z.WX3	1	N		R144.Z.WX3	1	N	
Micromotor Isolite 100 and 300	R144.Z.WX3	1	N		unavailable	-	-	
Micromotor MC2 20-40E - 20GTAV-40GTAV - 20GT-40GT	R144.Z.WX3	1	N		unavailable	-	-	
Ondine	R144.Z.W	Z	N		R144.Z.W	Z	N	
Prestige	R144.Z.W	Z	N		R144.Z.W	Z	N	

Borden

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
60 + 70	R144	N	N		R144	N	N	
Airotor Silent Cartridge	R144	N	N		R144	N	N	
Silencer	R144.Z.Q	1	N		R144.Z.Q	1	N	

Buffalo

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
220 Lab	R144.Z.WX3	1	N		R144.Z.WX3	1	N	

Castellini

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Clean Air 2000	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Clear Air	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

Chiradent

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
3200	R144.Z	1	N		R144.Z	1	N	
3400	R144.Z	1	N		R144.Z	1	N	

Chirana

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Satur TG536	R144.Z.WQ	1	N	B	R144.Z.WQ	1	N	B

Satur TG546	R144.Z.WQ	1	N	B	R144.Z.WQ	1	N	B
Satur TGL542	R144.Z.WQ	1	N	B	R144.Z.WQ	1	N	B
Satur TGL546	R144.Z.WQ	1	N	B	R144.Z.WQ	1	N	B

Dabi Atlante

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
MS350	R144.Z.Q	1	N		R144.Z	1	N	
RS350	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Silent MS, MRS, MRSL	R144.Z.Q	1	N		R144.Z.Q	1	N	

DME

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Aden	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
True Speed	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

Faro

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
BTC77	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Delta	R144.Z.W	1	N		R144.Z.W	1	N	
S380	R144.Z	1	N		R144.Z	1	N	
S400	R144.Z.W	1	N		R144.Z.W	1	N	
S405	R144.Z.W	1	N		R144.Z.W	1	N	

Futura

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Star	R144.ZZ.WX3	2	N		R144.ZZ.WX3	2	N	

Impact-Air

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
High Speed Handpiece	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

Jalenco

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Lab Handpiece (Air)	R144.ZZ.WX3	2	N		R144.ZZ.WX3	2	N	

Kavo

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
10C	638/5ZZ	2	N	M2O	638/5ZZ	2	N	M2O
10CN	unknown	-	-	-	unavailable	-	-	-
13A	617/5	N	N	M2O	683/3ZZ	2	N	M2O
2304LD - 553 5121	617/4Z	1	N	M2O	617/4Z	1	N	M2O
2307 - 2320 - 2320LN	unavailable	-	-	-	unavailable	-	-	-
282A (Slow Speed)	625ZZ	2	N	M2O	625ZZ	2	N	M2O
3554 Surgical Handpiece	unavailable	-	-	-	unknown	-	-	-
3610	unavailable	-	-	-	unavailable	-	-	-
614A - 624 - 625B (SuperTorque) - 625C - 625D - 627 - 630 - 640 FG	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
628 - 629 FG - 628 (BellaTorque)	R144.Z.Q	1	N		R144.Z.Q	1	N	
630B - 630C PB	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
632A	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
632D - 632E	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
633D	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
635 Mira Lux	R144.Z.EEYQ	1	N	M2O	R144.Z.WQ	1	N	
637B Mini Lux 3 BellaTorqu	R144.Z.WQ	1	N		R144.Z.EEWQ	1	N	M2O
639A Friction Grip	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
639B - 639C Push Button	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
640A Friction Grip	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
640B - 640C PB (SuperTorque)	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
642A FG	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
642 Bella Torque Friction Grip	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
642 Bella Torque Push Button	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
642C PB (BellaTorque)	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
645A FG - 645B - 645C PB	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
647/649	R144.Z.EEYQ	1	N	M2O	R144.Z.EEYQ	1	N	M2O
650A FG	R144.Z.EEWQ	1	N	M2O	R144.Z.WQ	1	N	

650B PB - 650C PB	R144.Z.EEWQ	1	N	M2O	R144.Z.WQ	1	N	
655B - 655C PB	R144.Z.W	1	N		R144.Z.W	1	N	
68B - 68C - 68CN - 68D	617/3	-	N	M2O	617/3	-	N	M2O
68LDN	617/4		N	M2O	683/3ZZ	2	N	M2O
68LH	618/3.ZZ.EW	-	N	M2O	618/3	-	N	M2O
7000	R144.Z.E	1	N	M2O	R144.Z.E	1	N	M2O
Contact Air SR	R144.Z.WQ	1	N		R144.Z.WQ	1	N	
ExtraTorque	R144.Z.WX3	1	N		R144.Z.WX3	1	N	
Intra 24CN - 24LN - 553 5761	617/4		N	M2O	617/4		N	M2O
Intra 24LS - 553 5641	unavailable	-	-	-	unavailable	-	-	-
Intra 24LZ - 24LN - 553 5641	unavailable	-	-	-	unavailable	-	-	-
Intra 25CH Contra Angle	617/4Z	1	N	M2O	617/4Z	1	N	M2O
Intra 25LN	617/4Z	1	N	M2O	617/4Z	1	N	M2O
Intra 7A - 13A - 38A - 50A - 51A - 60A	624Z	1	N	M2O	624Z	1	N	M2O
K9	638/8ZZ	2	N	M2O	unavailable	-	-	-
Magno 634	R144.Z	1	N		R144.Z	1	N	
RollAir1 - RollAir2 - RollAir3	R144.Z.WX3	1	N		R144.Z.WX3	1	N	

Kinetic

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Quantum	R144.Z	1	N		R144.Z	1	N	
Viper	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Viper 360	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Viper 360 Torque	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

KMD

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Colibri	R144.Z	1	N		R144.Z	1	N	
Maxtorque	R144.Z.WX3	1	N		R144.Z.WX3	1	N	

Lares

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
330E	R144.Z	1	N		R144.Z	1	N	

557 Push Button	R144.Z	1	N		R144.Y	N	N	
557SR	R144.Z	1	N		R144.Z	1	N	
757 (Large Head)	R144.Z	1	N		R144.Y	N	N	

Micro Mego

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
350	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

Midwest

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
1000	R144	-	N		R144	-	N	
400	F.R144.Z.W	1	Y		R144	-	N	
8000 - 8000i	R144	-	N		R144	-	N	
Quiet Air - Quiet Air Compact	F.R144.Z.W	1	Y		R144	-	N	
Quiet Air Lever / Push Button	F.R144.Z.W	1	Y		R144.Z	1	N	
Quiet Air Standard	F.R144.Z.W	1	Y		R144.Z	1	N	
Tru-Line	F.R144.Z.W	1	Y		R144	-	N	
Tradition L/PB Conversion	F.R144.Z.W	1	Y		R144.Z	1	N	
Tradition PB	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Tradition Standard	F.R144.Z.W	1	Y		R144.Z	1	N	
XGT	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	

MTC

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
105	R144.Z	1	N		R144.Z	1	N	
7807	R144.Z.W	1	N		R144.Z.W	1	N	

MTI

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Lynx Push Button	R144.Z.WQ	1	N	B	R144.Z.WQ	1	N	B

NeyTech

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Grand Hurricane	R144.Z.WX3	1	N		R144.Z.WX3	1	N	
Hurricane	R144.Z.WX3	1	N		R144.Z.WX3	1	N	
QC-700	R144.Z.WX3	1	N		R144.Z.WX3	1	N	

NSK

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Alpha Air - Alpha-Lite	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
CH-QD	F.R144.Z	1	Y		R144.Z	1	N	
E4R Slow Speed - Contra Angle Green Band	618/5	-	N	M2O	617/3	-	N	M2O
Mach-LITE P045SU03 - P046TU03 (Green-Black)	R144	-	N		R144	-	N	
Mach Mini- Mach-LITE Mini P047MU03 Red Band	F.R144/0.584	-	Y		F.R144/0.584	-	Y	
NPB Slow Speed	637/4.YX1	-	N	M2O	617/4	-	N	M2O
NTF TU03	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Optica	F.R144.Z.W	1	Y		R144.Z.W	1	Y	
NL-75	F.R144.Z	1	Y		R144.Z	1	N	
Pana Air Mini MU03 (Red Band)	F.R144.Z.W	1	Y		R144.Z.W	1	N	
Pana Air SU03 - TU03 (Green-Black)	F.R144.Z/0.584	1	Y		R144.Z.W	1	N	
Phatelus II and III SU03 - TU03 - MU03	R144.Z.W	1	N		F.R144.Z.W	1	Y	
Phatelus SU03 - TU03 - MU03	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Vip-Air	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
VOLVERE GX (60000 RPM)	683/3ZZ	2	N	M2O				
VOLVERE GX 40M	617/4	-	N	M2O	637/4.YX1	-	N	M2O
Phatelus Mini	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Phatelus Standard	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Phatelus Torque	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Super Grade	R144.Z	1	N		R144.Z	1	N	
Super Grade PB	R144.Z	1	N		R144.Z	1	N	
Triple Spray	R144.Z	1	N		R144.Z	1	N	

Ritter

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Accutorq	R144.Z.W	1	N		R144.Z.W	1	N	
Borden	R144	1	N		R144	1	N	

Siemens

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
3000	R144.Z	1	N		R144.Z	1	N	
4000 MS/ML , 4000 S/SL Push Button	R144.Z.Q	1	N	J	R144.Z.Q	1	N	J
TM1	R144.Z.Q	1	N	J	R144.Z.Q	1	N	J
T1 Mini (TMC3LK)	R144.Z.Q	1	N	J	R144.Z.Q	1	N	J
TS1	R144.Z.Q	1	N	J	R144.Z.Q	1	N	J
TS1/TS2	R144.Z.WQ	1	N	B	R144.Z.WQ	1	N	B

Star

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
430SWL	F.R144.Z.W/0.4	1	Y		F.R144.Z.W/0.4	1	Y	
Concentric	R144.ZZ.WX3	2	N		R144.ZZ.WX3	2	N	
Futura I and II	R144.ZZ.WX3	2	N		R144.ZZ.WX3	2	N	
Ultra	R144.Z.W	1	N		R144.Z.W	1	N	

TKD

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Master	R144.Z.WX3	1	N		R144.Z.WX3	1	N	
Miera	R144.Z	1	N		R144.Z	1	N	
Mini Master	R144.Z	1	N		R144.Z	1	N	
Turbina Master	R144.Z.WX3	1	N		R144.Z.WX3	1	N	
Turbina Mini Master	R144.Z	1	N		R144.Z	1	N	
Thera	R144.Z	1	N		R144.Z	1	N	
Titan (MBA)	R144.Z	1	N		R144.Z	1	N	
Titan	R144.Z.W	1	N		R144.Z.W	1	N	

W&H (ADEC)

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
115K (14000 RPM)	625/ZZ	2	N	M2O	625/ZZ	2	N	M2O
Airmotor (13000 RPM)	R144.ZZ.WX3	2	N	M2O	R144.ZZ.WX3	2	N	M2O
Straight Handpiece (6000 RPM)	R144	-	N		623/ZZ	2	N	M2O
Synea TA96	R144.Z.W	1	N		R144.Z.W	1	N	
Synea TA98L/TA98	R144.Z.W	1	N		R144.Z.W	1	N	
Top Air - Top LITE 700 and 800 Series (Incl 898)	R144.Z.W	1	N		R144.Z.W	1	N	
Top Air 100 Series	R144.Z	1	N		R144.Z	1	N	
Top Air 200 Series	R144.Z	1	N		R144.Z	1	N	
Top Air 300 Series	R144.Z	1	N		R144.Z	1	N	
200 Mini Friction Grip	R144.Z	1	N		R144.Z	1	N	
200 Mini Push Button	R144.Z	1	N		R144.Z	1	N	
200 Standard Friction Grip	R144.Z	1	N		R144.Z	1	N	
200 Standard Push Button	R144.Z	1	N		R144.Z	1	N	
300 Mini Friction Grip	R144.Z	1	N		R144.Z	1	N	
300 Mini Push Button	R144.Z	1	N		R144.Z	1	N	
300 Standard Friction Grip	R144.Z	1	N		R144.Z	1	N	
300 Standard Push Button	R144.Z	1	N		R144.Z	1	N	
800 Series	R144.Z.W	1	N		R144.Z.W	1	N	
Adec 5000	F.R144.Z.W	1	Y		F.R144.Z.W	1	Y	
Trend TC-80BC	R144.Z.W	1	N		R144.Z.W	1	N	
Trend TC-95BC	R144.Z.W	1	N		R144.Z.W	1	N	
X00 Mini Friction Grip	R144.Z.W	1	N		R144.Z.W	1	N	
X00 Standard Friction Grip	R144.Z.W	1	N		R144.Z.W	1	N	

Yoshida

Handpiece Model	Chuck End Bearing				Cup End Bearing			
	RHD P/N	Shields	Flange	Notes	RHD P/N	Shields	Flange	Notes
Friction Grip	R144.Z	1	N		R144.Z	1	N	
Push Button	R144.Z.W	1	N		R144.Z.W	1	N	
H-Q (FG)	R144.Z	1	N		R144.Z	1	N	
H-QP (PB) (High Torque)	R144.Z	1	N		R144.Z	1	N	
SL-Q (FG)	R144.Z	1	N		R144.Z	1	N	
SL-QP (PB) (Mini Head)	R144.Z	1	N		R144.Z	1	N	