



New Hampshire Ball Bearings, Inc.
 MinebeaMitsumi Group

**NHBB Engineering and Quality specification revision control list for Suppliers.
 Precision Division - Chatsworth**

Engineering Spec Number	Revision	Document Title
SB1	AJ	Identification of Balls
SB2	J	Purchase specifications balls-440C
SB3	D	Purchase specifications balls-52100
SB4	D	Purchase specifications Balls 440C- TIC Coated
SB5	NC	Purchase Specification-Balls BG42
SB6	A	Purchase Specification-Balls Ceramic
SB7	A	Purchase Specification-GR3 Superfinish Balls 440C
SB8	NC	Purchase Specification-Balls M50
SB9	NC	Purchase Specification-Balls Stellite
SH 29	D	Heat Treatment of 440C Stainless Steel by an outside Heat Treat Contractor
SH 30	B	Tempering Treatment of 440C Stainless Steel by an outside Heat Treat Contractor
SH 38	A	Heat Treatment of 52100 Steel by an outside Heat Treat Contractor
SL3	K	DRY-FILM LUBRICATION OF INSTRUMENT BEARING COMPONENTS
SM3	M	Material Procurement Specification for AISI 440 Stainless Steel
SM6	H	Material Procurement Specification for Vacuum Melt AISI Stainless Steel Bars
SM7	D	Material Procurement Specification for AISI 305 Stainless Steel
SM8	D	Material Procurement Specification for AISI 410 Stainless Steel
SM10	E	Material Procurement Specification for AISI 302 AND 304 Stainless Steel
SM17	E	Material Procurement Specification for AISI 302 (SAE 30302) Stainless Steel spring Wire
SM19	H	Procurement Specification for Linen Base Rolled Phenolic Material- FINE Weave
SM21	G	Procurement Specification for Paper Base Rolled Phenolic Material
SM24	E	Material Procurement Specificatin for 440C Stainless Steel Powder Metal and Hiped
SM25	H	Material Procurement Specification for air melt AISI 52100 Steel Bars
SM26	C	Purchasing Specification - Fortified Polytetrafluoroethylene (PTFE)
SM27	D	Purchasing Specification - Delrin (POM, ACETAL)
SM28	NC	Material Procurement Specification for 360 Free-Cutting Brass
SM29	NC	Material Procurement Specification for 2011-T3 Aluminium
SM30	C	Procurement Specification for Linen Base Rolled Phenolic Material-MEDIUM Weave
SM31	B	Material Procurement Specification for DD400 Martensitic Stainless Steel
SM32	B	Material Procurement Specification- Polyamide-imide
SM33	D	Phenolic Material Procurement
SM34	A	Material Procurement Specification AISI 430F Stainless Steel
SM35	A	Procurement Specification for Linen Base Pressure Cured Phenolic Material
SM36	D	Material Procurement Specification for VIM/VAR AISI 52100 Steel Bars
SM37	NC	Material Procurement Specification for BIM/MAR M50- Steel Bars
SM38	A	Specification for 4330, Consumable vacuum melted, Heat Treated material.
SO89	30	Cadmium Plating of 52100 Material (Inners and Outers)
SO90	25	Cadmium Plating of 440C Material (Inners and Outers)
SO94	E	Electro-Deposition of thin, Dense, Nodular Chrome Plate
SO95	B	Silver Plated Retainer Specification
SO 139	5	Zinc Nickel Plating
SO 197	2	Nickel Plating of 52100 material (Inners and Outers)
SO204	0	Cad Plating .0003"- .0005 Thick of 52100 Material (Inners and Outers)

Quality Specification Number	Revision	Document Title
Q.P. 8.3.6	A	Supplier Quality Manual
Q.I. 7.4.3.11	H	Process flow, handling and Cadmium Plating acceptance standards-Air Frame
Q.I. 7.4.3.15	B	Process flow, handling and Zinc Nickel Plating acceptance standards
Q.I. 7.4.3.16	NC	Process flow, handling and Nickel Plating acceptance standards