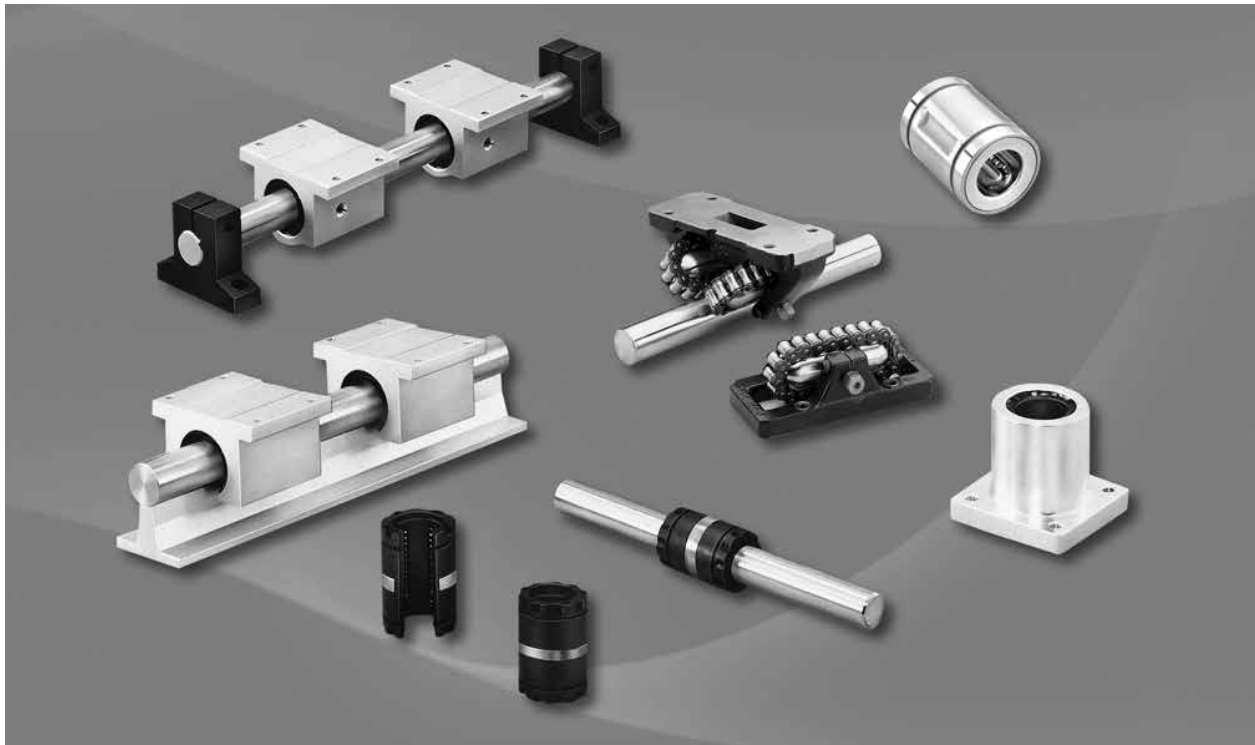


## Thomson RoundRail Linear Guides and Components

## Table of Contents

<b>Introduction</b> .....	<b>4</b>	<b>RoundRail Linear Guides</b> .....	<b>224</b>
<b>Linear Bearings</b> .....	<b>15</b>	End Support 1BA.....	227
<b>Inch Ball Bushing® Bearings</b> .....	<b>15</b>	End Support 1NA .....	229
Lube for Life.....	20	Continuous Support 1CA .....	232
Super Smart Ball Bushing Bearings .....	21	Continuous Support 1PA.....	234
Super Smart Ball Bushing Pillow Blocks .....	28	FluoroNyliner 1VA.....	237
Super Ball Bushing Bearings .....	44	Side Mounted 1DA .....	240
Super Ball Bushing Pillow Blocks .....	53	Dual Shaft Rail 2DA .....	243
Precision Steel Ball Bushing Bearings.....	69	Twin Shaft Web 2CA.....	246
Precision Steel Ball Bushing Pillow Blocks.....	78	Accessories.....	248
XR Extra Rigid Ball Bushing Bearings.....	90	<b>Engineering</b> .....	<b>252</b>
XR Extra Rigid Ball Bushing Pillow Blocks.....	94	Performance Criteria .....	253
<b>Specialty Bearings</b> .....	<b>97</b>	Ball Bushing Life Expectancy and Load Capacity....	257
RoundWay® Linear Roller Bearings.....	97	60 Case LinearRace® Shafting Specifications .....	259
FluoroNyliner® Bushing Bearings .....	105	Load Consideration .....	260
Food Grade FluoroNyliner .....	116	Coefficient of Friction.....	261
Polymer Bushing Bearings .....	119	System Maintenance and Service .....	262
Accessories .....	125	Bearing Options .....	263
<b>Metric Ball Bushing Bearings</b> .....	<b>131</b>	Material Engineering Specifications.....	264
General Product Overview .....	131	60 Case LinearRace Deflection .....	265
Super Smart Ball Bushing Bearings .....	133	Ultra Light Aluminum LinearRace Deflection.....	266
Super Smart Ball Bushing Pillow Blocks .....	142	How to Cut 60 Case LinearRace Shafting.....	267
MultiTrac® Ball Bushing Bearings .....	148	Application Tips .....	268
Super Ball Bushing Bearings .....	156	Installation Guidelines .....	269
Super Pillow Blocks.....	160	Tolerance Charts.....	270
Accessories .....	167	Engineering Conversion Factors.....	271
<b>60 Case® Shafting</b> .....	<b>170</b>	Shafting Color Code Chart.....	273
60 Case Product Overview.....	171		
<b>Inch 60 Case Shafting</b> .....	<b>176</b>		
Support Rails and Support Rail Assemblies .....	184		
Support Block .....	188		
<b>Metric 60 Case Shafting</b> .....	<b>191</b>		
Support Rails and Support Rail Assemblies .....	194		
Support Block .....	197		
<b>Quick Shaft</b> .....	<b>198</b>		
<b>Special Machining</b> .....	<b>202</b>		

Thomson RoundRail Linear Guides and Components



Inch Ball Bushing Bearings

**Linear Bearings.....15**

**Inch Ball Bushing® Bearings .....15**

        Lube for Life..... 20

        Super Smart Ball Bushing Bearings .....21

        Super Smart Ball Bushing Pillow Blocks .....28

        Super Ball Bushing Bearings .....44

        Super Ball Bushing Pillow Blocks .....53

        Precision Steel Ball Bushing Bearings.....69

        Precision Steel Ball Bushing Pillow Blocks.....78

        XR Extra Rigid Ball Bushing Bearings.....90

        XR Extra Rigid Ball Bushing Pillow Blocks.....94

**Specialty Bearings .....97**

        RoundWay® Linear Roller Bearings.....97

        FluoroNyliner® Bushing Bearings .....105

        Food Grade FluoroNyliner.....116

        Polymer Bushing Bearings .....119

        Accessories .....125

**Metric Ball Bushing Bearings .....131**

        General Product Overview .....131

        Super Smart Ball Bushing Bearings .....133

        Super Smart Ball Bushing Pillow Blocks .....142

        MultiTrac® Ball Bushing Bearings .....148

        Super Ball Bushing Bearings .....156

        Super Pillow Blocks .....160

        Accessories .....167