

SIP™
SIMPLEX IDEAL PEERLESS



IDEAL™ 55 & 65
PARTS MANUAL

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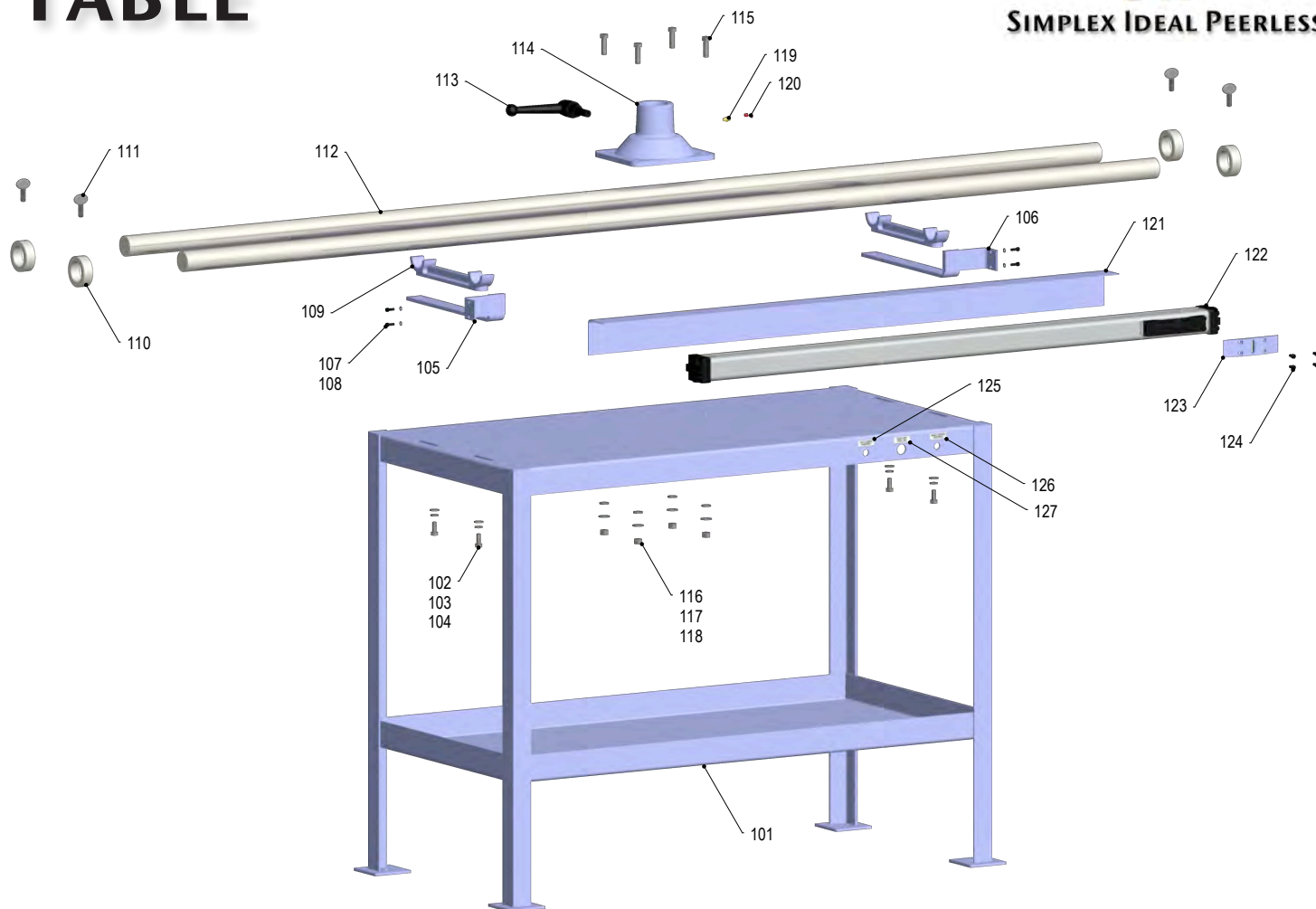
INTRODUCTION

This document is best viewed by Adobe® Reader® Version 6 or higher. Installation programs for Adobe Reader can be downloaded from www.adobe.com free of charge.

This document uses high resolution graphics so you can use Adobe Reader’s Zoom Tool to magnify any part of the document for a more detailed look.

To order replacement parts, please supply your dealer with the part number, quantity, and description of each part. Each part in the illustration has an item number. The item number for a part also appears in the parts list, with information about the part.

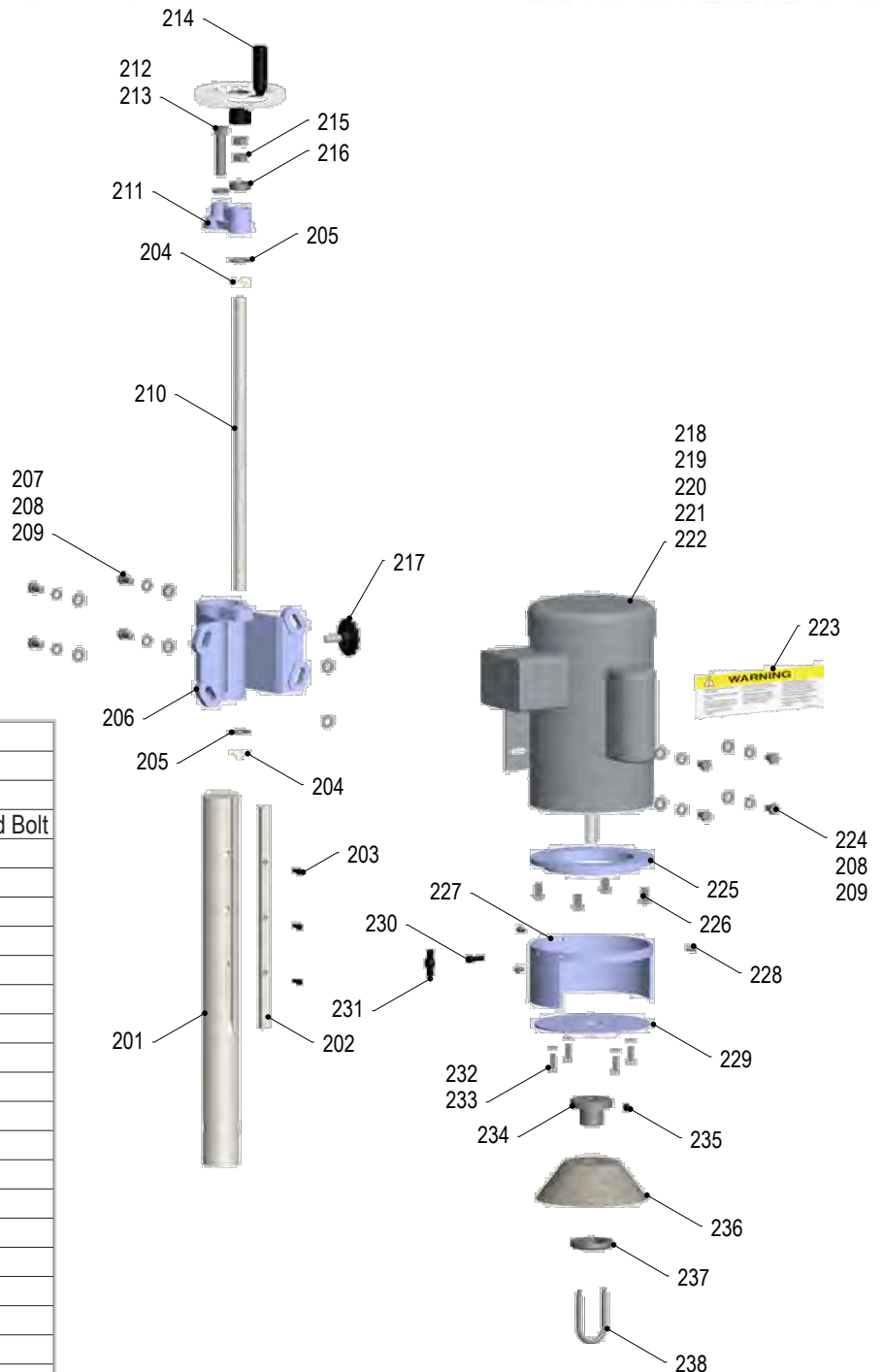
TABLE



Item	Qty	Part No	Description
101	1 each	77000-01	Table
102	4 each	12305-06	5/16-18 x 3/4 Bolt
103	4 each	12105-01	5/16 Lock Washer
104	4 each	12205-01	5/16 Washer
105*	1 each	77007-04	Left Cylinder Bracket
106*	1 each	77007-03	Right Cylinder Bracket
107	4 each	12403-04	#10-24 x 1/2 Socket Head Bolt
108	4 each	12103-01	#10 Lock Washer
109	2 each	72403-03	Track Shaft Support
110	4 each	72409-02	Collar
111	4 each	12706-10	3/8-16 x 1 Thumb Screw
112	2 each	71305-05	Hard Chrome Track Shaft
113	1 each	72407-01	Clamp Screw
114	1 each	72381-01	Post Base
115	4 each	12306-12	3/8-16 x 1-1/2 Bolt
116	4 each	12206-01	3/8 Washer
117	4 each	12106-01	3/8 Lock Washer
118	4 each	12006-01	3/8 Nut
119	1 each	15010-01	Grease Fitting
120	1 each	15010-02	Grease Fitting Cover
121	1 each	77057-01	Cylinder Guard
122*	1 each	77013-03	Air Cylinder
123*	1 each	77215-02	Cylinder Latch Bracket
124*	4 each	12403-02	#10-24 x 1/4 Socket Head Bolt
125*	1 each	70004-01	Left Speed Label
126*	1 each	70004-02	Right Speed Label
127*	1 each	70004-03	On-Off Label

* Model 65 only

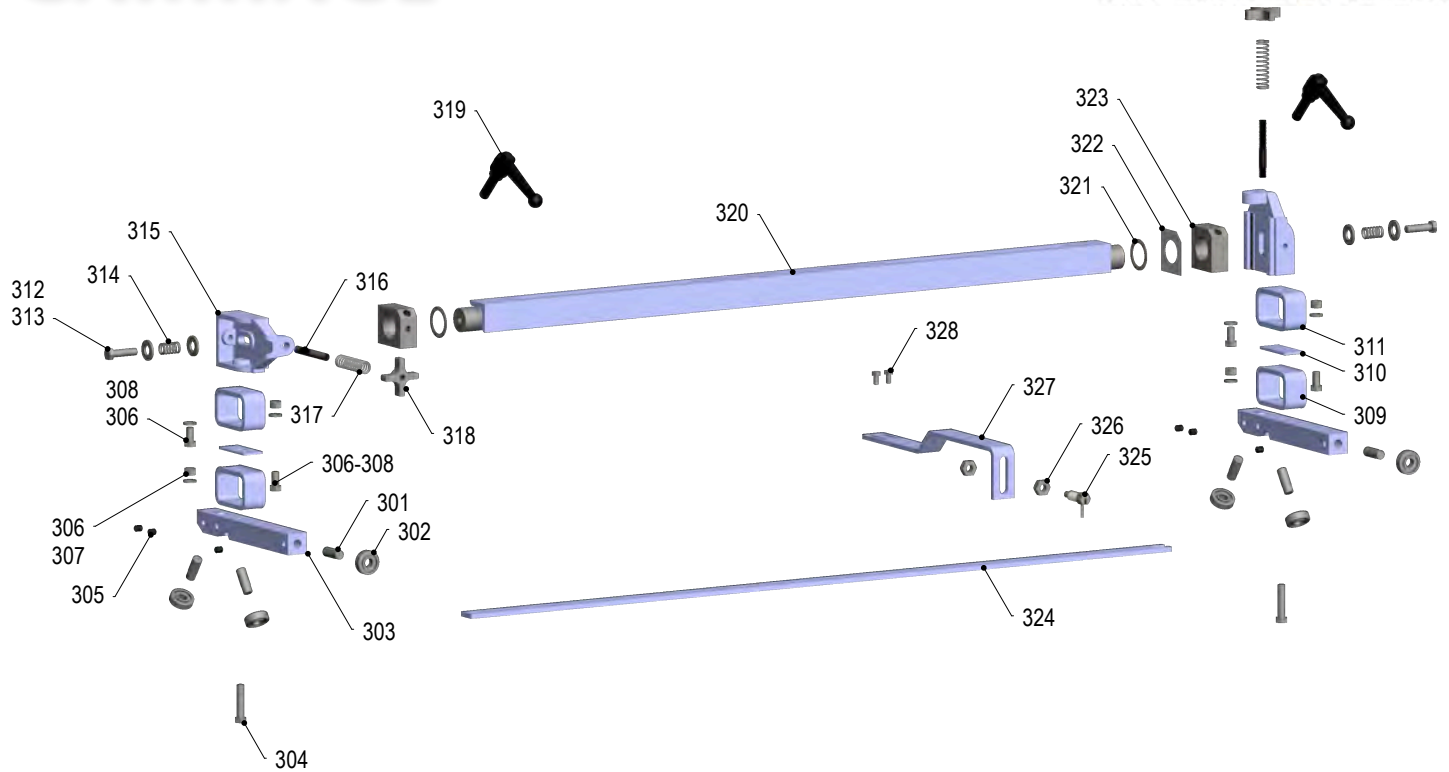
GRINDING HEAD



Item	Qty	Part No	Description
201	1 each	72375-02	Post
202	1 each	72380-02	Key
203	3 each	12403-04	#10-24 x 1/2 Socket Head Bolt
204	2 each	15011-01	Snap Ring
205	2 each	75052-01	Fiber Washer
206	1 each	72377-01	Motor Support
207	4 each	12305-12	5/16-18 x 1-1/4 Bolt
208	8 each	12105-01	5/16 Lock Washer
209	8 each	12205-01	5/16 Washer
210	1 each	72384-01	Feed Screw
211	1 each	74370-01	Feed Screw Support
212	1 each	12308-22	1/2-13 x 2-1/4 Bolt
213	1 each	12108-01	1/2 Lock Washer
214	1 each	74230-01	Handwheel
215	2 each	72411-01	5/8-18 Jam Nut
216	1 each	72365-01	Thrust Bearing
217	1 each	77008-01	Hand Knob
218	1 each	77423-01	Motor
219	1 each	75093-11	Toggle Boot
220	1 each	75093-13	Strain Relief
221	1 each	75093-17	Power Chord
222	1 each	75093-19	Toggle Switch
223	1 each	70001-03	Warning Label
224	4 each	12305-06	5/16-18 x 3/4 Bolt
225	1 each	77126-01	Wheel Guard Plate
226	4 each	14006-06	3/8-16 x 3/4 Button Head Bolt
227	1 each	77123-04	Wheel Guard
228	3 each	77124-01	Rivet Nut
229	1 each	77127-01	Wheel Guard Retainer
230	1 each	12404-10	1/4-20 x 1 Socket Head Bolt
231	1 each	77074-01	Knob Handle
232	4 each	12304-05	1/4-20 x 5/8 Bolt
233	4 each	12104-01	1/4 Lock Washer
234	1 each	75080-01	Hub
235	1 each	12506-02	3/8-16 x 1/4 Set Screw
236	1 each	79044-01	Grinding Wheel
237	1 each	75010-01	Nut
238	1 each	75011-01	U-Wrench

CARRIAGE

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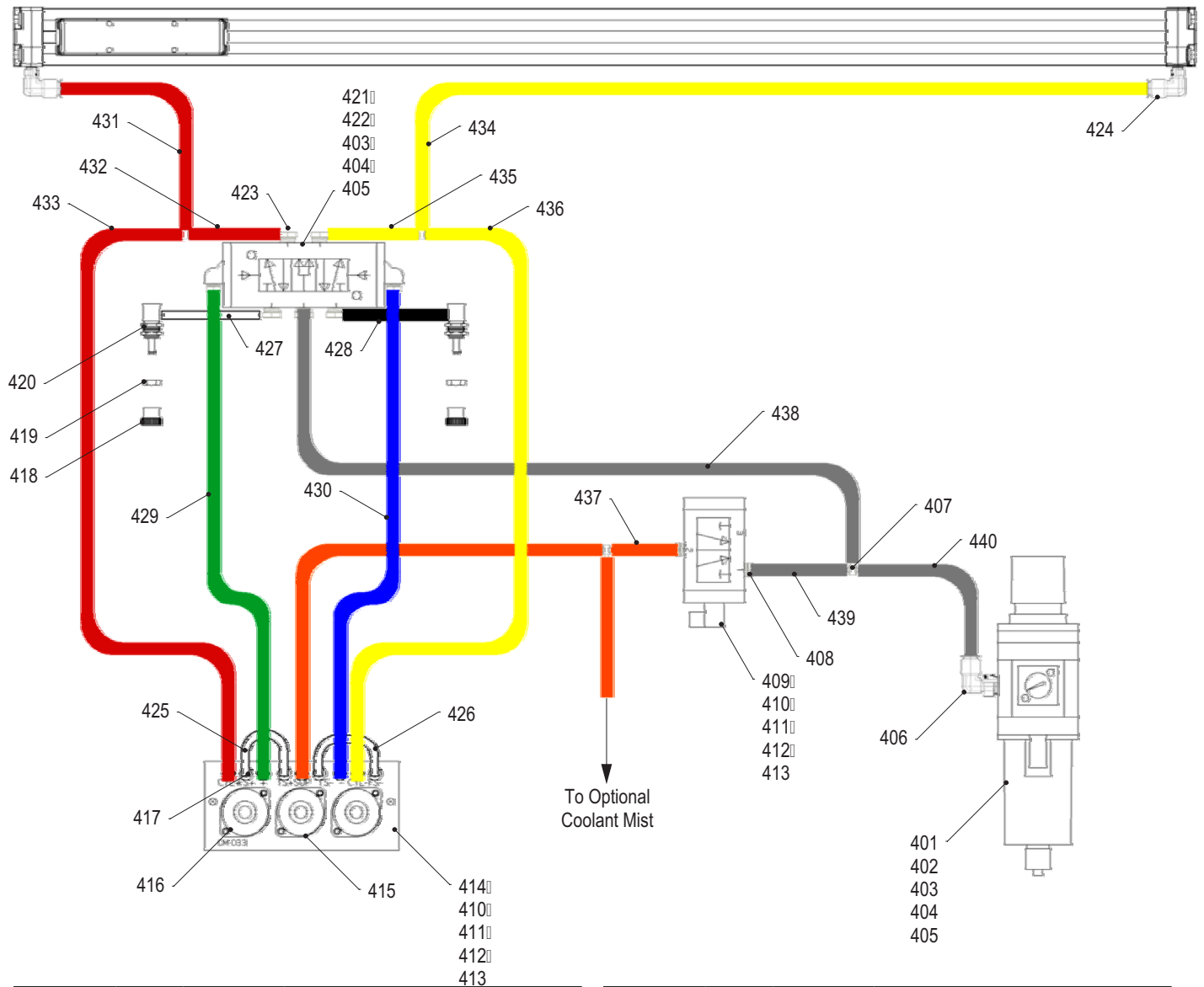


Item	Qty	Part No	Description
301	6 each	73076-01	Bearing Axle
302	6 each	16129-01	Bearing
303	2 each	72400-01	Bearing Block
304	2 each	12306-20	3/8-16 x 2 Bolt
305	6 each	12505-03	5/16-18 x 3/8 Set Screw
306	4 each	12106-01	3/8 Lock Washer
307	2 each	12006-01	3/8-16 Nut
308	2 each	12306-06	3/8-16 x 3/4 Bolt
309	2 each	77010-03	Trunnion Spacer Lower
310	2 each	77010-04	Trunnion Spacer Key
311	2 each	77010-01	Trunnion Spacer Upper
312	2 each	12306-14	3/8-16 x 1-1/2 Bolt
313	4 each	12106-01	3/8 Washer
314	2 each	74350-01	Spring
315	2 each	72390-01	Trunnion
316	2 each	72391-02	Stud
317	2 each	72373-01	Spring
318	2 each	74346-01	Star Nut
319	2 each	75054-01	Clamp Screw
320	1 each	72386-01	Bed Knife Bar
321	2 each	77027-01	Fiber Washer
322	1 each	72388-01	Trunnion Label
323	2 each	72389-01	Trunnion Block
324*	1 each	77014-03	Cylinder Carriage Bar
325*	1 each	77243-02	Plunger
326*	2 each	12008-01	1/2-13 Nut
327*	1 each	77031-02	Cylinder Bracket
328*	2 each	12304-04	1/4-20 x 1/2 Bolt

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PNEUMATICS

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Item	Qty	Part No	Description
401	1 each	15019-01	Filter Regulator
402	2 each	12404-04	1/4-20 x 1/2 Socket Head Bolt
403	4 each	12104-01	1/4 Lock Washer
404	4 each	12204-01	1/4 Washer
405	4 each	12004-01	1/4-20 Nut
406	1 each	15014-25	1/4 x 1/4 NPT Male Swivel Elbow
407	2 each	15014-61	Union Tee Hose Barb
408	4 each	15014-75	1/8 x 1/8 NPT Hose Barb
409	1 each	15021-03	On-Off Valve
410	4 each	12301-12	#6-32 x 1-1/4 Screw
411	4 each	12201-01	#6 Washer
412	4 each	12101-01	#6 Lock Washer
413	4 each	12001-01	#6-32 Nut
414	1 each	15017-04	Acrylic Sub Base
415	1 each	15017-03	R402 Valve
416	2 each	15017-02	R301 Valve
417	11 each	15014-71	1/8 x #10-32 Hose Barb
418	2 each	77257-02	#10-32 Knurled Nut
419	2 each	12003-02	#10-32 Nut
420	2 each	15020-02	Needle Valve
421	1 each	15016-02	Air Pilot Valve
422	2 each	12304-16	1/4-20 x 1-3/4 Bolt

Item	Qty	Part No	Description
423	5 each	15014-76	1/8 x 1/8 NPT Elbow Hose Barb
424	2 each	15014-21	1/4 x 1/8 NPT Male Swivel Elbow
425	3 inches	15022-14	Polyurethane Tubing Clear
426	4 inches	15022-14	Polyurethane Tubing Clear
427	18 inches	15022-14	Polyurethane Tubing Clear
428	18 inches	15022-17	Polyurethane Tubing Black
429	5 inches	15022-15	Polyurethane Tubing Green
430	5 inches	15022-12	Polyurethane Tubing Blue
431	60 inches	15022-18	Polyurethane Tubing Red
432	6 inches	15022-18	Polyurethane Tubing Red
433	6 inches	15022-18	Polyurethane Tubing Red
434	12 inches	15022-13	Polyurethane Tubing Yellow
435	6 inches	15022-13	Polyurethane Tubing Yellow
436	6 inches	15022-13	Polyurethane Tubing Yellow
437	7 inches	15022-11	Polyurethane Tubing Orange
438	14 inches	15022-16	Polyurethane Tubing Gray
439	8 inches	15022-16	Polyurethane Tubing Gray
440	2 inches	15022-16	Polyurethane Tubing Gray
441	11 inches	15023-02	1/2 Tubing Lume
442	5 each	15023-03	Wire Tie
443	5 each	71351-03	Grommet

Model 65 only