

PLASTIC FINISHING COMPONENTS



MASTER STOCKING DISTRIBUTOR



MASTER PRODUCTS CATALOG

WCL - One Of The Few True Fastening Specialists

WCL has one of the broadest, most diversified offerings of fastening components available from any single source.

We know what each fastener is designed to do and what its limitations are.

Our engineers will recommend the fastener best suited to your specific needs. They are not limited to justifying a certain product line.

WCL performance and integrity are confirmed by the leading fasteners makers who have chosen us to represent them. We are master distributors for:

Alliance Plastics

ITW Fastex

ITW Shakeproof Assembly Components

ITW Shakeproof Industrial Threaded Products

Inserts International

Rolex National Disk Spring

Tyton Company

VIP - Volt Industrial Products



WCL assures product quality three ways:

1. We work only with manufacturers having outstanding quality programs and reputations.
2. We have made a major investment in our Quality Inspection program to monitor the conformance of incoming parts to customer specifications and needs. We qualify parts from our manufacturers and processors to assure that all specifications are met.
3. We have developed a state-of-the-art control system to insure required lot traceability and certification on any part we sell.

**WCL - Competitively Priced
Quality Fastening Components
When You Want Them!**

CUSTOM CAPABILITIES



If you could not find the part you are looking for in our Master Products Catalog, a solution to your problem is only a phone call or email away. Our knowledgeable Custom Products Team is dedicated to quickly finding you the most cost-effective solution to your particular custom application.

Using the latest versions of Pro-Engineer™ and Moldflow™ engineering software, our experienced engineering team at Alliance Plastics Finishing Products can develop your part and design your mold directly from existing CAD files, ensuring shorter lead times, greater dimensional accuracy and optimized materials selection.

Our in-house tool room, equipped with the latest technology, enables us to produce high quality tooling at a competitive price. An extensive library of proprietary mold bases allows us to offer our customers a low-cost tooling option, which can usually be manufactured in a fraction of the time that it takes to build a dedicated mold.

Alliance Plastics utilizes a family-molding concept that offers customers the advantage of competitive multi-cavity pricing, even if the required volume is relatively low. Coupled with that, our process engineers have years of experience processing many types of polymers, including "engineering resins" such as butyrate, ABS, acrylic, nylon, polycarbonate and even glass-filled polymers to provide you with a wealth of options for your custom application.



INDEX

INSERT GLIDES



ROUND INSERT GLIDES
100 SERIES
PAGE 7



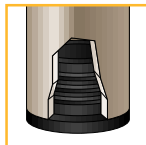
ROUND INSERT GLIDES
132 SERIES
PAGES 8-9



ROUND INSERT GLIDES
RDS/RJI SERIES
PAGE 9



ROUND WITH OVERSIZED
BASE INSERT GLIDES
122 SERIES
PAGE 10



ROUND RIBBED
INSERT GLIDES
RDR SERIES
PAGE 10



SQUARE INSERT GLIDES
101 SERIES
PAGE 11



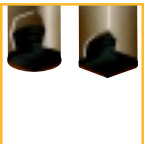
SQUARE INSERT GLIDES
132 SERIES
PAGE 12



SQUARE INSERT GLIDES
SQS/TI SERIES
PAGE 13



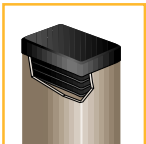
SQUARE RIBBED
INSERT GLIDES
SQR SERIES
PAGE 13



LOW COST
UNIVERSAL INSERTS
LRDR/LSQR SERIES
PAGE 13



RECTANGULAR INSERT
GLIDES
102 & 132 SERIES
PAGES 14-15



RECTANGULAR RIBBED
INSERT GLIDES
RCR SERIES
PAGE 15



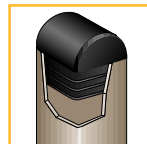
RECTANGULAR INSERT
GLIDES
RCS SERIES
PAGE 16



ROCKER BASE INSERT
GLIDES
109/110 SERIES
PAGE 16



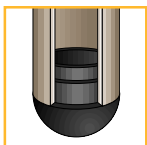
SQUARE ROCKER BASE
INSERT GLIDES
132 SERIES
PAGE 16



RIBBED ROCKER BASE
INSERT GLIDES
DFRD SERIES
PAGE 17



OVAL INSERT GLIDES
103 SERIES
PAGE 17



BALL INSERT GLIDES
105 & 136 SERIES
PAGES 17-18



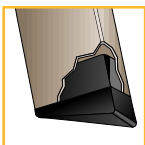
ROUND ANGLE
INSERT GLIDES
114 SERIES
PAGE 18



SQUARE ANGLE
INSERT GLIDES
115 SERIES
PAGE 19



RECTANGULAR ANGLE
INSERT GLIDES
116 SERIES
PAGE 19



TRIANGLE ANGLE
INSERT GLIDES
117 SERIES
PAGE 19



RIBBED ANGLE
INSERT GLIDES
AFSQ SERIES
PAGE 19



GRIP GLIDES
136/137 SERIES
PAGE 20



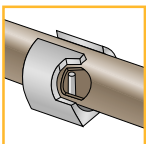
ROUND THREADED
INSERT GLIDES
200 SERIES
PAGE 20



SQUARE THREADED
INSERT GLIDES
131 SERIES
PAGE 20



SNAPON GLIDES WITH
STEM
450 SERIES
PAGE 20



SNAPON GLIDES
FOR HORIZONTAL
TUBING
176 SERIES
PAGE 21



SNAPON CAPS
FLAT BASE STYLE
158 SERIES
PAGE 21



SNAPON BASE
CAPS HEX HEAD
STYLE
158 SERIES
PAGE 21



SNAPON BASE
CAPS METAL BASE
STYLE
158/294 SERIES
PAGE 21



CARPET GRIPPER
GLIDES
207 SERIES
PAGE 22

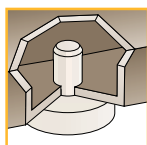


ROUND ADJUSTABLE
INSERTS
RAI & SAI SERIES
PAGE 22

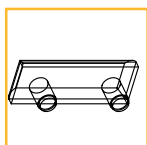
BUMPERS



FLAT HEAD STEM
BUMPERS
138 SERIES
PAGES 23-24



STEM BUMPERS
302 SERIES
PAGE 24



DOUBLE STEM
BUMPERS
138 SERIES
PAGE 25



DOMED HEAD STEM
BUMPERS
138 SERIES
PAGE 25



FLAT HEAD SPLIT STEM
BUMPERS
138 SERIES
PAGE 25



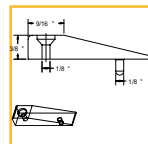
DOMED HEAD SPLIT
STEM BUMPERS
138 SERIES
PAGE 26



BUTTON STEM
BUMPERS
138 SERIES
PAGE 26



COVERED STEM BUMPERS
138 SERIES
PAGE 26



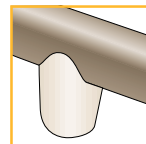
WEDGE STEM
BUMPERS
169 SERIES
PAGE 26



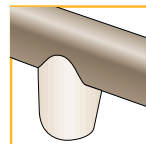
TAPERED RECESSED
BUMPERS
101 SERIES
PAGE 27



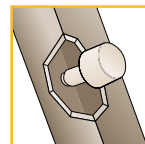
ROUND RECESSED
BUMPERS
101 SERIES
PAGES 27-28



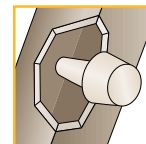
COVERED RECESSED
BUMPERS
400 SERIES
PAGE 28



COVERED RECESSED
BUMPERS
101 SERIES
PAGE 28

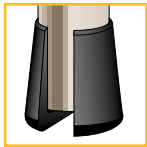


VINYL BUMPER
353 SERIES
PAGE 29

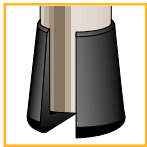


STACKING CHAIR PLUG
SCP SERIES
PAGE 29

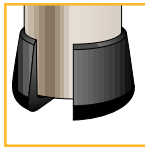
CAPS



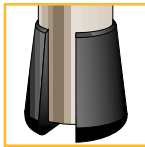
HEAVY DUTY CAPS
100/210 SERIES
PAGE 30



HIGH SILHOUETTE
CAPS
149 SERIES
PAGE 30



LOW SILHOUETTE
CAPS
147 SERIES
PAGE 30



HIGH-LINE DOMED
CAPS
171 SERIES
PAGE 31



LOW-LINE DOMED
CAPS
172 SERIES
PAGE 31



ROUND SLENDA™
CAPS
144 SERIES
PAGE 31



ROUND CAPS WITH
OVERSIZED BASE
154 SERIES
PAGE 32



BALL CAPS
253 SERIES
PAGE 32



SQUARE CAPS
211 SERIES
PAGE 32



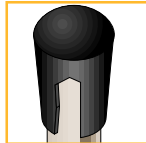
RECTANGULAR CAPS
FOR TUBING
145 SERIES
PAGE 33



RECTANGULAR CAPS
FOR BAR STEEL
161 SERIES
PAGE 33



ANGLE IRON CAPS
159 SERIES
PAGE 33



FERRULES & TIPS
FRD, FSQ & FTP SERIES
PAGE 34



LOCKING HOLE PLUGS
PLH SERIES
PAGE 35



LOCKING VENT PLUGS
PLV SERIES
PAGE 35

WIRE MANAGEMENT GROMMETS



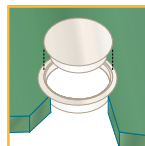
ROUND GROMMETS
900/122 SERIES
PAGE 36



RECTANGULAR
GROMMETS
900/122 SERIES
PAGE 36



PAPER GROMMETS
122 SERIES
PAGE 36



UMBRELLA TABLE
GROMMET & PLUG
900 SERIES
PAGE 37



FLEXIBLE GROMMETS
122 SERIES
PAGE 37

DRAWER HARDWARE



BENT WIRE DRAWER
PULLS
142 SERIES
PAGE 38



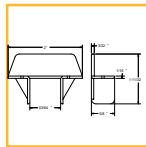
BROAD BASE
DRAWER PULLS
142 SERIES
PAGE 38



FINGER DRAWER
PULLS
142 SERIES
PAGE 38



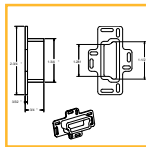
FLUSH MOUNT
DRAWER PULLS
143 SERIES
PAGE 38



GUIDES FOR WOOD
DRAWER TRACKS
130 SERIES
PAGE 39



GUIDES FOR METAL
DRAWER TRACKS
130 SERIES
PAGE 39



TRACK MOUNTING
SOCKET FOR METAL
TRACK
130 SERIES
PAGE 39



SPLIT STEM DRAWER
GUIDES FOR METAL
153 SERIES
PAGE 39



SIDE SADDLE DRAWER
GUIDES
130 SERIES
PAGE 40



DRAWER DIVIDER SUPPORT
169 SERIES
PAGE 40

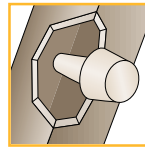
CHAIR HARDWARE



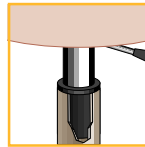
CHAIR PADDLES
142 SERIES
PAGE 41



CASTER SOCKETS
205 SERIES
PAGE 41



STACKING CHAIR PLUG
SCP SERIES
PAGE 41



SEAT POST BUSHINGS
850 SERIES
PAGE 42

INDEX

SHELF HARDWARE



HEAVY DUTY SHELF SUPPORTS
169 SERIES
PAGE 43



LIGHT DUTY SHELF SUPPORTS
169 SERIES
PAGE 43



GLASS SHELF SUPPORTS
169 SERIES
PAGE 43



GLASS CLIPS
350 SERIES
PAGE 43



RETAINER CLIPS
169 SERIES
PAGE 44



CLIPS FOR METAL TUBING
169 SERIES
PAGE 44

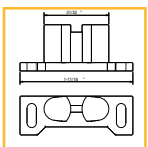


PLASTIC DOWEL PINS
169 SERIES
PAGE 44

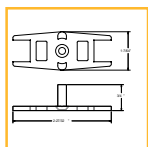


CLOSET POLE HANGERS
169 SERIES
PAGE 44

DOOR & WINDOW HARDWARE



DOOR CATCH & METAL STRIKER
169 SERIES
PAGE 45



DOOR GUIDE
169 SERIES
PAGE 45



SHUTTER PINS
810 SERIES
PAGE 46



TENSION SHUTTER PINS
MALE & FEMALE
810 SERIES
PAGE 47



FLANGELESS SHUTTER PIN
810 SERIES
PAGE 47



SPRING AND RIVET ASSEMBLY
810 SERIES
PAGE 47

DIP MOLDED VINYL PRODUCTS



CAPS
DM SERIES
PAGE 48

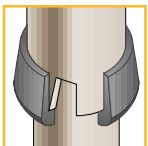


SQUARE CAPS
DMSQ SERIES
PAGE 49

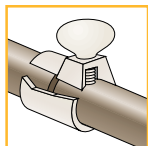


GRIPS
VG, VGN, VGRD SERIES
PAGES 49-50

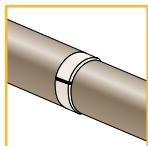
REDUCERS, ADJUSTERS, COLLARS & CONNECTORS



REDUCERS
140/202 SERIES
PAGE 51



TUBE ADJUSTERS
TUA SERIES
PAGE 51



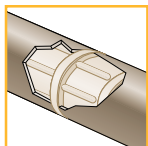
SPLIT COLLARS
605 SERIES
PAGE 51



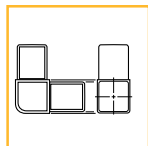
ROUND-TO-ROUND TUBE CONNECTORS
139/750 SERIES
PAGE 52



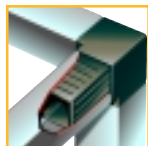
SQUARE-TO-ROUND TUBE CONNECTORS
139 SERIES
PAGE 52



STRAIGHT TUBE CONNECTORS
750 SERIES
PAGE 52

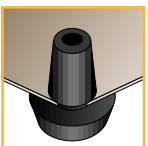


ANGLED TUBE CONNECTORS
750 SERIES
PAGE 53

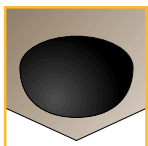


MULTI-WAY CONNECTORS
MWTC SERIES
PAGE 53

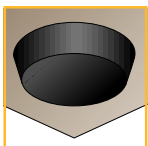
FEET, ROLLERS & HANDWHEELS



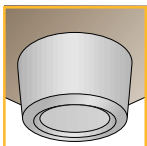
GROMMET FEET
GRF SERIES
PAGE 54



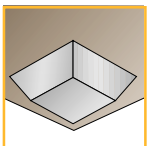
STICK-ON FEET DOMED
STF SERIES
PAGE 54



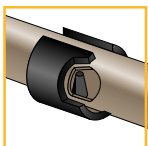
STICK-ON FEET FLAT
STF SERIES
PAGE 54



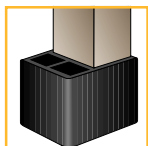
STICK-ON FEET ROUND
STF SERIES
PAGE 54



STICK-ON FEET SQUARE
STF SERIES
PAGE 54



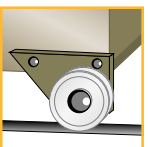
SADDLE FEET
SDF SERIES
PAGE 55



STAND-OFF FEET
SOF SERIES
PAGE 55



SCREW-ON FEET
SCF SERIES
PAGE 55



ROLLERS & WHEELS
610 SERIES
PAGE 56



PREMIUM HANDWHEELS
PMH SERIES
PAGE 56

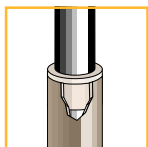


STANDARD HANDWHEELS
MH SERIES
PAGE 57

SPACERS, WASHERS & BUSHINGS



SPACERS & WASHERS
PAGES 58-62



FLANGED BUSHINGS
PAGES 63-66



METRIC SPACERS
MNS SERIES
PAGE 66

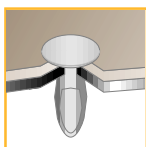


METRIC WASHERS
MNVV SERIES
PAGE 67



METRIC FLANGED
BUSHINGS
MNBF SERIES
PAGE 67

FASTENERS



FASTENERS & RIVETS
820 SERIES
PAGE 68



HEX NUTS
NHN SERIES
PAGE 68



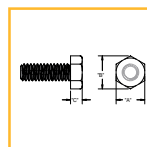
CAP NUTS
NCN SERIES
PAGE 69



WING NUTS
NWN SERIES
PAGE 69



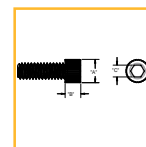
LOCK NUTS
NLN SERIES
PAGE 69



HEX CAP SCREWS
NHCS SERIES
PAGE 70



SLOTTED FLAT
MACHINE SCREWS
NFL SERIES
PAGE 71



SOCKET HEAD CAP
SCREWS
NSHC SERIES
PAGE 72



RATCHET FASTENERS
FR SERIES
PAGE 73



ARROW CLIP
FASTENERS
FAC SERIES
PAGE 73



KEY-HOLE CLIPS
FKH SERIES
PAGE 74



PUSH-IN FASTENERS
(STUD BUTTONS)
FPI SERIES
PAGE 75

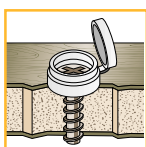


BARBED PUSH
FASTENERS
460 SERIES
PAGE 75

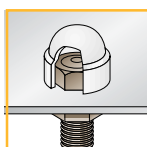


DRIVE RIVET FASTENERS
FDR SERIES
PAGE 76

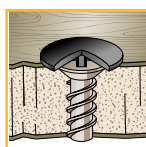
FASTENER PROTECTION



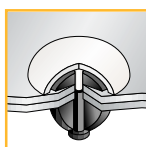
UNISCREW CAPS
USC SERIES
PAGE 77



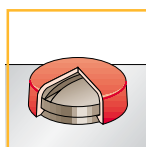
BOLT & NUT
PROTECTION CAPS
BNC SERIES
PAGE 77



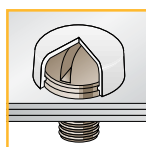
CROSS-HEAD
SCREW CAPS
CHC SERIES
PAGE 77



RIVET CAPS
RVC SERIES
PAGE 77



LOW PROFILE
DECORATIVE CAPS
LPC SERIES
PAGE 78



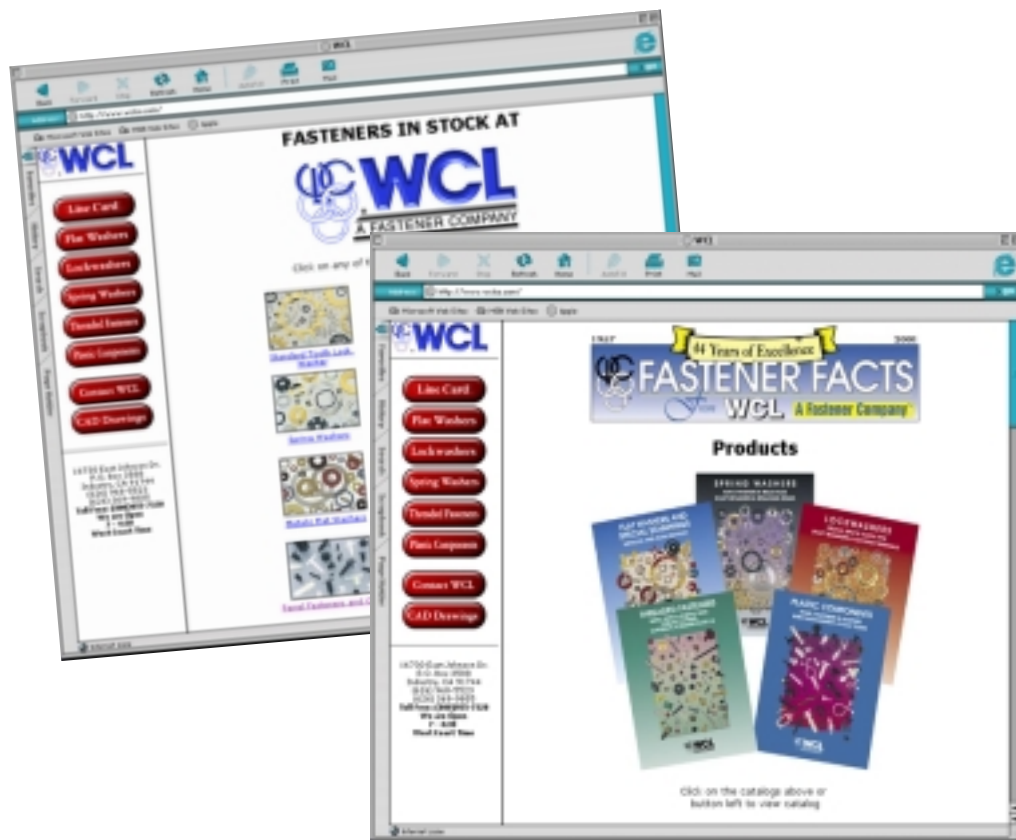
HIGH PROFILE
DECORATIVE CAPS
HPC SERIES
PAGE 78

MISCELLANEOUS PRODUCTS



NETTING
APFP SERIES
PAGE 79

USE THE WEB...



- Check out our product selector
- Request literature, product samples and quotations
- View our complete product range
- Search for specific product by part number or keyword
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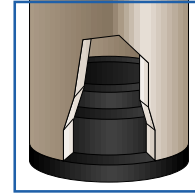
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INSERT GLIDES

PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
100-1009	3/8"	19
100-1026	7/16"	16
100-1046	1/2"	16
100-1048	1/2"	18
100-1050	1/2"	20
100-1051	1/2"	21
100-1052	1/2"	22
100-1069	9/16"	19
100-1070	9/16"	20
100-1072	9/16"	22
100-1081	5/8"	11
100-1082	5/8"	12
100-1083	5/8"	13
100-1084	5/8"	14
100-1085	5/8"	15
100-1086	5/8"	16
100-1087	5/8"	17
100-1088	5/8"	18
100-1089	5/8"	19
100-1090	5/8"	20
100-1092	5/8"	20
100-1094	0.690"	24
100-1115	0.706"	16
100-1123	3/4"	13
100-1124	3/4"	14
100-1126	3/4"	16
100-1127	3/4"	17
100-1128	3/4"	18
100-1129	3/4"	19
100-1130	3/4"	20
100-1132	3/4"	13
100-1135	3/4"	18
100-0875D	7/8"	1/2" I.D. (DOMED)
100-1183	7/8"	13
100-1184	7/8"	14
100-1186	7/8"	16
100-1187	7/8"	17
100-1188	7/8"	18
100-1189	7/8"	19
100-1189D	7/8"	19 (DOMED)
100-1190	7/8"	20
100-1192	7/8"	22
100-1210	1"	10
100-1220	1"	11
100-1221	1"	0.770" I.D.
100-1221SP	1"	0.750" I.D.
100-1222	1"	12
100-1223	1"	12
100-1224	1"	14
100-1225	1"	15
100-1226	1"	16
100-1227	1"	17
100-1228	1"	18
100-1228SL	1"	18 (LONG LEAD)
100-1229	1"	19
100-1230	1"	20
100-1231	1"	21
100-1238	1"	0.903" I.D.
100-1236	1"	0.990" I.D.
100-1262	1-1/8"	12
100-1264	1-1/8"	14
100-1265	1-1/8"	15
100-1266	1-1/8"	16
100-1268	1-1/8"	18
100-1269	1-1/8"	19
100-1270	1-1/8"	20
100-0339D	1-1/8"	0.087" (DOMED)
100-1285	1-3/16"	15
100-1301	1-1/4"	11
100-1311	1-1/4"	11

PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
100-1302	1-1/4"	12
100-1304	1-1/4"	14
100-1306	1-1/4"	16
100-1308	1-1/4"	18
100-1308D	1-1/4"	18" (DOMED)
100-1308SL	1-1/4"	18" (LONG LEAD)
100-1310	1-1/4"	20
100-1326	1-5/16"	16
100-1343	1-3/8"	13
100-1344	1-3/8"	14
100-1346	1-3/8"	16
100-1348	1-3/8"	18
100-1350	1-3/8"	20
100-2080	1-3/8"	20
100-1382	1-1/2"	12
100-1384	1-1/2"	14
100-1386	1-1/2"	16
100-1388	1-1/2"	18
100-1388R	1-1/2"	18 (WITH RIBS)
100-1389	1-1/2"	19
100-1390	1-1/2"	20
100-1406	1-5/8"	16
100-1408	1-5/8"	18
100-1409	1-5/8"	19
100-1442	1-3/4"	12
100-1443	1-3/4"	13
100-1441	1-3/4"	14
100-1444	1-3/4"	14
100-1446	1-3/4"	16
100-1448	1-3/4"	18
100-1450	1-3/4"	20
100-1500	1-1/2"	18
100-1501	1-1/2"	18
100-1496	1.900"	16
100-1521	2"	11
100-1523	2"	13
100-1526	2"	16
100-1528	2"	18
100-1530	2"	20
100-1648	2-1/2"	18
100-1768	3"	18

ROUND INSERT GLIDES



SPECIFICATIONS

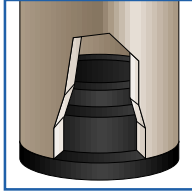
- *Standard Color:* Black
- *Standard Material:* ABS
- *Optional Materials:* Nylon, Butyrate

100 Series

Used as a glide or closure in both light and heavy duty tubular steel applications. The step lead provides easy installation, and the press fit assures a secure hold in tubing.

INSERT GLIDES

ROUND INSERT GLIDES



PART NUMBER	(IN.)		MATERIAL	COLOR
	TUBE DIAMETER	TUBE GAUGE		
132BB-1105-0000	0.500	16	BUTYRATE	BLACK
132BB-1106-0000	0.500	18	BUTYRATE	BLACK
132BB-1221-0000	0.500	20	BUTYRATE	BLACK
132BB-1246-0000	0.500	22	BUTYRATE	BLACK
132BB-1231-0000	0.625	12	BUTYRATE	BLACK
132BB-1102-0000	0.625	14	BUTYRATE	BLACK
132BB-1110-0000	0.625	16	BUTYRATE	BLACK
132LN-1110-0000	0.625	16	LINEAR POLY	WHITE
132BB-1112-0000	0.625	18	BUTYRATE	BLACK
132BB-1114-0000	0.625	20	BUTYRATE	BLACK
132BB-1134-0000	0.750	14	BUTYRATE	BLACK
132BB-1115-0000	0.750	16	BUTYRATE	BLACK
132BN-1115-0000	0.750	16	BUTYRATE	CLEAR
132LN-1115-0000	0.750	16	LINEAR POLY	WHITE
132PB-1115-0000	0.750	16	POLY.	BLACK
132BB-1120-0000	0.750	18	BUTYRATE	BLACK
132LN-1120-0000	0.750	18	LINEAR POLY	WHITE
132PB-1120-0000	0.750	18	POLY.	BLACK
132PB-1128-0000	0.750	19	POLY.	BLACK
132BB-1125-0000	0.750	20	BUTYRATE	BLACK
132BB-1124-0000	0.750	22	BUTYRATE	BLACK
132-BB-1543-0000	0.875	14	BUTYRATE	BLACK
132-BB-1130-0000	0.875	16	BUTYRATE	BLACK
132-LN-1130-0000	0.875	16	LINEAR POLY	WHITE
132-NN-1130-0000	0.875	16	NYLON	NATURAL
132-PB-1130-0000	0.875	16	POLY.	BLACK
132-BB-1135-0000	0.875	18	BUTYRATE	BLACK
132-BN-1135-0000	0.875	18	BUTYRATE	CLEAR
132-LN-1135-0000	0.875	18	LINEAR POLY	WHITE
132-PB-1135-0000	0.875	18	POLY.	BLACK
132-PB-1142-0000	0.875	19	POLY.	BLACK
132-PB-1137-0000	0.875	20	POLY.	BLACK
132BB-1214-0000	1.000	12	BUTYRATE	BLACK
132BB-1139-0000	1.000	14	BUTYRATE	BLACK
132LN-1139-0000	1.000	14	LINEAR POLY	WHITE
132PG-1139-0000	1.000	14	POLY.	GRAY
132BB-1140-0000	1.000	16	BUTYRATE	BLACK
132BN-1140-0000	1.000	16	BUTYRATE	CLEAR
132PB-1140-0000	1.000	16	POLY.	BLACK
132PG-1140-0000	1.000	16	POLY.	GRAY
132BB-1136-0000	1.000	17	BUTYRATE	BLACK
132BB-1145-0000	1.000	18	BUTYRATE	BLACK
132LN-1145-0000	1.000	18	LINEAR POLY	WHITE
132PB-1145-0000	1.000	18	POLY.	BLACK
132BB-1150-0000	1.000	20	BUTYRATE	BLACK
132PB-1150-0000	1.000	20	POLY.	BLACK
132BB-1356-0000	1.125	12	BUTYRATE	BLACK
132BB-1155-0000	1.125	16	BUTYRATE	BLACK
132BB-1160-0000	1.125	18	BUTYRATE	BLACK
132PB-1160-0000	1.125	18	POLY.	BLACK
132BB-1541-0000	1.125	20	BUTYRATE	BLACK
132LN-1351-0000	1.250	11	LINEAR POLY	WHITE
132BB-1339-0000	1.250	12	BUTYRATE	BLACK
132BB-1195-0000	1.250	14	BUTYRATE	BLACK
132BB-1165-0000	1.250	16	BUTYRATE	BLACK
132BN-1165-0000	1.250	16	BUTYRATE	CLEAR
132LN-1165-0000	1.250	16	LINEAR POLY	WHITE
132PB-1165-0000	1.250	16	POLY.	BLACK
132BB-1170-0000	1.250	18	BUTYRATE	BLACK
132BN-1170-0000	1.250	18	BUTYRATE	CLEAR
132BB-1172-0000	1.250	20	BUTYRATE	BLACK
132PB-1328-0000	1.312	16	POLY.	BLACK
132PB-1382-0000	1.375	16-17	POLY.	BLACK
132BB-1226-0000	1.500	12	BUTYRATE	BLACK
132BB-1201-0000	1.500	14	BUTYRATE	BLACK
132BB-1427-0000	1.500	16	BUTYRATE	BLACK
132BN-1427-0000	1.500	16	BUTYRATE	CLEAR



INSERT GLIDES

PART NUMBER	(IN.)		MATERIAL	COLOR
	TUBE DIAMETER	TUBE GAUGE		
132BB-1175-0000	1.500	18	BUTYRATE	BLACK
132PB-1236-0000	1.625	16	POLY.	BLACK
132PB-1224-0000	1.625	18	POLY.	BLACK
132PB-1360-0000	1.750	14	POLY.	BLACK
132BB-1437-0000	1.750	16	BUTYRATE	BLACK
132BB-1507-0000	1.750	20	BUTYRATE	BLACK
132BB-1395-0000	2.000	11	BUTYRATE	BLACK
132BB-1426-0000	2.000	16	BUTYRATE	BLACK
132BB-1407-0000	2.000	18	BUTYRATE	BLACK
132BB-1503-0000	2.000	20	BUTYRATE	BLACK
132BB-1486-0000	2.250	16	BUTYRATE	BLACK
132OB-1547-0000	3.000	13	ABS	BLACK

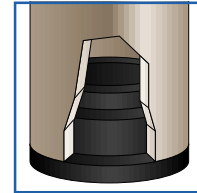
SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

132 Series

Alliance Plastics' 132 Series Round Insert Glides are designed as a glide or tube insert and are available in a wide variety of sizes and gauges.

ROUND INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	BOX QTY
RDS-13-16	1-3/8"	16	2,500
RDS-13-18	1-3/8"	18	2,500
RDS-35-03	3-1/2"	3	200
RDS-35-10	3-1/2"	10	200
RDS-45-10	4-1/2"	10	100

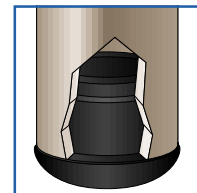
SPECIFICATION

- Standard Color: Black
- Standard Material: Low Density Polyethylene

RDS Series

RDS are standard weight insert glides that present a low-cost option for neatly finishing steel tubes.

ROUND RDS/RLI INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	BOX QTY
RLI-05-16	1/2"	16	10,000
RLI-05-18	1/2"	18	10,000
RLI-06-16	5/8"	16	10,000
RLI-06-18	5/8"	18	10,000
RLI-07-16	3/4"	16	5,000
RLI-07-18	3/4"	18	5,000
RLI-08-16	7/8"	16	5,000
RLI-08-18	7/8"	18	5,000
RLI-10-16	1"	16	5,000
RLI-10-18	1"	18	5,000
RLI-11-16	1-1/8"	16	4,000
RLI-11-18	1-1/8"	18	4,000
RLI-12-16	1-1/4"	16	2,500
RLI-12-18	1-1/4"	18	2,500
RLI-13-16	1-3/8"	16	2,500
RLI-13-18	1-3/8"	18	2,500
RLI-15-16	1-1/2"	16	2,000
RLI-15-18	1-1/2"	18	2,000
RLI-17-16	1-3/4"	16	1,500
RLI-17-18	1-3/4"	18	1,500
RLI-20-18	2"	18	800

SPECIFICATION

- Standard Color: Black
- Standard Material: Low Density Polyethylene

RLI Series

RLI are lightweight insert glides that present a low-cost option for neatly finishing steel tubes.

INSERT GLIDES

ROUND WITH OVERSIZED BASE INSERT GLIDES



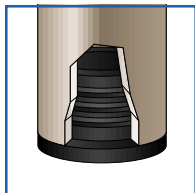
PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	BASE DIAMETER
122-1126	3/4"	16	0.875"
122-1187	7/8"	17	1"
122-1188	7/8"	18	1"

SPECIFICATION

- Standard Color: Black
- Standard Material: Low Density Polyethylene

122 Series

ROUND RIBBED INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
RDR-05-1620	1/2"	16-20
RDR-06-1620	5/8"	16-20
RDR-07-1620	3/4"	16-20
RDR-08-1012	7/8"	10-12
RDR-08-1420	7/8"	14-20
RDR-10-1012	1"	10-12
RDR-10-1420	1"	14-20
RDR-11-1418	1-1/8"	14-18
RDR-12-1014	1-1/4"	10-14
RDR-12-1620	1-1/4"	16-20
RDR-13-1418	1-3/8"	14-18
RDR-15-0812	1-1/2"	8-12
RDR-15-1420	1-1/2"	14-20
RDR-16-1418	1-5/8"	14-18
RDR-17-1012	1-3/4"	10-12
RDR-08-1420	1-3/4"	14-20
RDR-20-1014	2"	10-14
RDR-20-1420	2"	14-20
RDR-23-0508	2-3/8"	5-8
RDR-23-1014	2-3/8"	10-14
RDR-25-0812	2-1/2"	8-12
RDR-25-1418	2-1/2"	14-18
RDR-28-0407	2-7/8"	4-7
RDR-30-0812	3"	8-12
RDR-30-1418	3"	14-18

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene

RDR Series

The RDR Series has a horizontal ribbed design that provides flexibility to fit multiple tube gauges.



INSERT GLIDES

PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
101-1006	3/8"	16
101-1009	3/8"	19
101-1046	1/2"	16
101-1047	1/2"	17
101-1048	1/2"	18
101-1084	5/8"	14
101-1085	5/8"	15
101-1086	5/8"	16
101-1087	5/8"	17
101-1088	5/8"	18
101-1090	5/8"	20
101-1091	5/8"	21
101-1115	0.695"	18
101-1116	0.715"	18
101-1117	0.725"	11
101-1118	0.725"	16
101-1121	3/4"	11
101-1123	3/4"	13
101-1125	3/4"	15
101-1126	3/4"	16
101-1127	3/4"	17
101-1128	3/4"	18
101-1129	3/4"	19
101-1130	3/4"	20
101-1130R	3/4"	20 WITH RIBS
101-1144	13/16"	14
101-1146	13/16"	16
101-1148	13/16"	18
101-1166	0.843"	16
101-1181	7/8"	11
101-1184	7/8"	14
101-1186	7/8"	16
101-1187	7/8"	17
101-1188	7/8"	18
101-1189	7/8"	19
101-1190	7/8"	20
101-0391	1"	0.890"
101-1391	1"	0.890"
101-1221	1"	11
101-1224	1"	14
101-1225	1"	15
101-1226	1"	16
101-1227	1"	17
101-1228	1"	18
101-1230	1"	20
101-1232	1"	22
101-1264	1-1/8"	14
101-1266	1-1/8"	16
101-1268	1-1/8"	18
101-1301	1-1/4"	11
101-1302	1-1/4"	12
101-1303	1-1/4"	13
101-1304	1-1/4"	14
101-1304R	1-1/4"	14 WITH RIBS
101-1306	1-1/4"	16
101-1308	1-1/4"	18
101-1310	1-1/4"	20
101-1342	1-3/8"	12
101-1389	1-1/2"	1.255"
101-1380	1-1/2"	10
101-1381	1-1/2"	11
101-1382	1-1/2"	12
101-1383	1-1/2"	13
101-1384	1-1/2"	14
101-1386	1-1/2"	16
101-1388	1-1/2"	18
101-1390	1-1/2"	20

PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
101-1441	1-3/4"	11
101-1444	1-3/4"	14
101-1446	1-3/4"	16
101-1521	2"	11
101-0378	2"	12 W/UNDERCUT
101-1522R	2"	12 W/RIBS
101-1524	2"	14
101-4833	2"	16 BEVEL
101-1526	2"	16
101-4834	2"	16 BEVEL
101-1528	2"	18
101-1566	2-1/4"	16
101-1641	2-1/2"	11
101-1646	2-1/2"	16
101-1744	2-3/4"	14
101-2021	3"	11

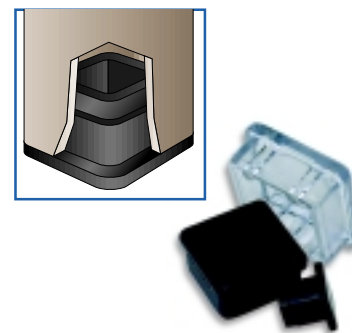
SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: ABS*
- *Optional Materials: Nylon, Butyrate, K-resin*

101 Series

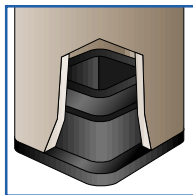
Used as a glide or closure in both light and heavy duty applications. Step lead provides easy installation. Press fit assures secure hold in tubing.

SQUARE INSERT GLIDES



INSERT GLIDES

SQUARE INSERT GLIDES



PART NUMBER	(IN.)		MATERIAL	COLOR
	TUBE DIAMETER	TUBE GAUGE		
132BN-1263-0000	0.375	16	BUTYRATE	CLEAR
132BB-1275-0000	0.500	16	BUTYRATE	BLACK
132BB-2336-0000	0.500	18	BUTYRATE	BLACK
132BB-1182-0000	0.625	16	BUTYRATE	BLACK
132BB-1174-0000	0.625	18	BUTYRATE	BLACK
132BB-1431-0000	0.625	20	BUTYRATE	BLACK
132BB-1303-0000	0.750	11	BUTYRATE	BLACK
132BB-1257-0000	0.750	13	BUTYRATE	BLACK
132BB-1179-0000	0.750	16	BUTYRATE	BLACK
132BN-1179-0000	0.750	16	BUTYRATE	CLEAR
132LN-1179-0000	0.750	16	LINEAR POLY	WHITE
132BB-1183-0000	0.750	18	BUTYRATE	BLACK
132BN-1183-0000	0.750	18	BUTYRATE	CLEAR
132BB-1180-0000	0.750	20	BUTYRATE	BLACK
132BN-1233-0000	0.812	16	BUTYRATE	CLEAR
132BB-1159-0000	0.812	18	BUTYRATE	BLACK
132BN-1159-0000	0.812	18	BUTYRATE	CLEAR
132BB-1490-0000	0.843	16	BUTYRATE	BLACK
132PB-1244-0000	0.875	14	POLYETHYLENE	BLACK
132BB-1284-0000	0.875	16	BUTYRATE	BLACK
132BB-1168-0000	0.875	18	BUTYRATE	BLACK
132BB-1188-0000	1.000	11	BUTYRATE	BLACK
132LN-1188-0000	1.000	11	LINEAR POLY	WHITE
132BB-1202-0000	1.000	14	BUTYRATE	BLACK
132BB-1189-0000	1.000	16	BUTYRATE	BLACK
132BN-1189-0000	1.000	16	BUTYRATE	CLEAR
132LN-1189-0000	1.000	16	LINEAR POLY	WHITE
132PB-1189-0000	1.000	16	POLYETHYLENE	BLACK
132BB-1187-0000	1.000	18	BUTYRATE	BLACK
132BB-1300-0000	1.000	18	BUTYRATE	BLACK
132BB-1185-0000	1.000	20	BUTYRATE	BLACK
132BB-1281-0000	1.125	10	BUTYRATE	BLACK
132BB-1194-0000	1.125	16	BUTYRATE	BLACK
132BB-1190-0000	1.125	18	BUTYRATE	BLACK
132BB-1249-0000	1.250	11	BUTYRATE	BLACK
132BB-1991-0000	1.250	12	BUTYRATE	BLACK
132BB-1333-0000	1.250	13	BUTYRATE	BLACK
132BB-1241-0000	1.250	14	BUTYRATE	BLACK
132PB-1241-0000	1.250	14	POLYETHYLENE	BLACK
132BB-1213-0000	1.250	16	BUTYRATE	BLACK
132BN-1213-0000	1.250	16	BUTYRATE	CLEAR
132BB-1191-0000	1.250	18	BUTYRATE	BLACK
132BB-1397-0000	1.250	20	BUTYRATE	BLACK
132BB-1279-0000	1.500	11	BUTYRATE	BLACK
132BB-1392-0000	1.500	13	BUTYRATE	BLACK
132BB-1308-0000	1.500	14	BUTYRATE	BLACK
132BB-1192-0000	1.500	16	BUTYRATE	BLACK
132BB-1197-0000	1.500	18	BUTYRATE	BLACK
132BB-1394-0000	1.750	11	BUTYRATE	BLACK
132BB-1580-0000	1.750	14	BUTYRATE	BLACK
132BB-1402-0000	2.000	11	BUTYRATE	BLACK
132BB-2384-0000	2.000	14	BUTYRATE	BLACK
132BB-1418-0000	2.000	16	BUTYRATE	BLACK
132PB-1418-0000	2.000	16	POLYETHYLENE	BLACK
132BB-1334-0000	2.250	11	BUTYRATE	BLACK
132BB-1396-0000	2.500	11	BUTYRATE	BLACK

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

132 Series

Alliance Plastics' 132 Series Square Insert Glides are designed as a glide or tube insert and are available in a wide variety of sizes and gauges.



INSERT GLIDES

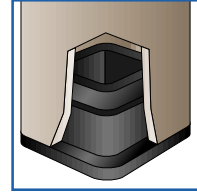
PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
SQS-50-06	5"	6
SQS-60-06	6"	6
TI-1	1"	18-20
TI-1-1/2	1-1/2"	18-20

SPECIFICATIONS

- Standard Color: Black
- Standard Material: SQS Series - Low Density Polyethylene
TI Series - High Density Polyethylene

SQS/TI Series

SQUARE INSERT GLIDES SQS/TI SERIES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	BOX QTY
SQR-05-1620	1/2"	16-20	10,000
SQR-06-1620	5/8"	16-20	6,000
SQR-07-1620	3/4"	16-20	5,000
SQR-08-1618	7/8"	16-18	4,000
SQR-10-1014	1"	10-14	2,000
SQR-10-1420	1"	14-20	2,000
SQR-11-1620	1-1/8"	16-20	2,000
SQR-12-1014	1-1/4"	10-14	2,000
SQR-12-1420	1-1/4"	14-20	2,000
SQR-13-1016	1-3/8"	10-16	900
SQR-15-1014	1-1/2"	10-14	1,000
SQR-15-1418	1-1/2"	14-18	1,000
SQR-17-1014	1-3/4"	10-14	500
SQR-17-1418	1-3/4"	14-18	500
SQR-20-1014	2"	10-14	350
SQR-20-1418	2"	14-18	350
SQR-25-0508	2-1/2"	5-8	250
SQR-25-1014	2-1/2"	10-14	250
SQR-30-0508	3"	5-8	200
SQR-30-1014	3"	10-14	200
SQR-40-0408	4"	4-8	75
SQR-50-0711	5"	7-11	48

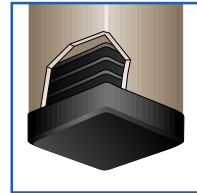
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene

SQR Series

The SQR Series has a horizontal ribbed design for built in flexibility to fit multiple tube gauges.

SQUARE RIBBED INSERT GLIDES



ROUND

PART NUMBER	TUBE INSERT	GAUGE
LRDR-07-1620	3/4"	16-20
LRDR-08-1420	7/8"	14-20
LRDR-10-1420	1"	14-20
LRDR-11-1418	1-1/8"	14-18
LRDR-12-1620	1-1/4"	16-20

SPECIFICATIONS

- Standard Color: Black with Textured Finish
- Standard Material: High Density Polyethylene



SQUARE

PART NUMBER	TUBE INSERT	GAUGE
LSQR-07-1620	3/4"	16-20
LSQR-08-1618	7/8"	16-18
LSQR-10-1420	1"	14-20
LSQR-11-1620	1-1/8"	16-20
LSQR-12-1420	1-1/4"	14-20

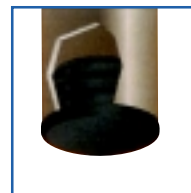
SPECIFICATIONS

- Standard Color: Black with Textured Finish
- Standard Material: High Density Polyethylene

LRDR/LSQR Series

The Low Cost Universal Closures are not recommended for load bearing applications.

LOW COST UNIVERSAL INSERTS



Round
LRDR Series



Square
LSQR Series

INSERT GLIDES

RECTANGULAR INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
102-1009	3/8" X 1/2"	19	102-2821	1" X 1-1/2"	11
102-1088	3/8" X 1"	18	102-2861	1" X 1-1/2"	11
102-1248	1/2" X 7/8"	18	102-2863	1" X 1-1/2"	13
102-1284	1/2" X 7/8"	18	102-2864	1" X 1-1/2"	14
102-1264	1/2" X 1"	14	102-2866	1" X 1-1/2"	16
102-1265	1/2" X 1"	15	102-2867	1" X 1-1/2"	17
102-1266	1/2" X 1"	16	102-2868	1" X 1-1/2"	18
102-1268	1/2" X 1"	18	102-2870	1" X 1-1/2"	20
102-1270	1/2" X 1"	20	102-2883	1" X 1-5/8"	13
102-1306	1/2" X 1-1/4"	16	102-2920	1" X 2"	10
102-1306D	1/2" X 1-1/4"	16 (DOMED)	102-2921	1" X 2"	11
102-1308	1/2" X 1-1/4"	18	102-2922	1" X 2"	12
102-1344	1/2" X 1-1/2"	14	102-2923	1" X 2"	13
102-1346	1/2" X 1-1/2"	16	102-0097	1" X 2"	14
102-1348	1/2" X 1-1/2"	18	102-2924	1" X 2"	14
800-0427	1/2" X 1-1/2"	(TRIPLE HOLLOW)	800-0097	1" X 2"	14 (THRD. INSERT)
102-1426	1/2" X 2"	16	102-2926	1" X 2"	16
800-0428	1/2" X 2"	(TRIPLE HOLLOW)	102-2927	1" X 2"	17
102-1466	1/2" X 2-1/2"	16	102-2928	1" X 2"	18
102-1530	9/16" X 1-1/16"	2	102-3051	1" X 3"	11
102-1748	5/8" X 1"	18	102-3054	1" X 3"	14
102-1750	5/8" X 1"	20	102-3056	1" X 3"	16
102-1821	5/8" X 1-1/4"	11	102-3186	1-1/8" X 1-3/4"	16
102-1830	5/8" X 1-1/4"	20	102-3602	1-1/2" X 2-1/2"	12
102-1866	5/8" X 1-1/2"	16	102-3604	1-1/4" X 2"	14
102-1867	5/8" X 1-1/2"	17	102-3606	1-1/4" X 2"	16
102-1868	5/8" X 1-1/2"	18	102-3644	1-1/4" X 2-1/2"	14
102-1869	5/8" X 1-1/2"	19	102-4012	1-1/2" X 2-1/2"	12
102-1870	5/8" X 1-1/2"	20	102-4014	1-1/2" X 2"	14
102-1948	5/8" X 2"	18	102-4015	1-1/2" X 2"	15
102-2223	3/4" X 1"	13	102-4016	1-1/2" X 2"	16
102-2226	3/4" X 1"	16	102-4046	1-1/2" X 2-1/2"	16
102-2260	3/4" X 1-1/4"	10	102-4081	1-1/2" X 3"	11
102-2266	3/4" X 1-1/4"	16	102-4084	1-1/2" X 3"	14
102-2268	3/4" X 1-1/4"	18	102-4086	1-1/2" X 3"	16
102-2301	3/4" X 1-1/2"	11	102-4114	1-1/2" X 4"	14
102-2302	3/4" X 1-1/2"	12	102-4116	1-1/2" X 4"	16
102-3302	3/4" X 1-1/2"	12	102-4431	2" X 3"	11
102-2304	3/4" X 1-1/2"	14	102-4434	2" X 3"	14
102-2306	3/4" X 1-1/2"	16	102-4461	2" X 4"	11
102-2308	3/4" X 1-1/2"	18	102-4463	2" X 4"	13
102-2386	3/4" X 2"	16	102-4466	2" X 4"	16
102-2826	1" X 1-1/4"	16	102-4468	2" X 4"	18
102-2829	1" X 1-1/4"	19			

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: ABS*
- *Optional Materials: Nylon, Kresin, LDPE, Butyrate*
- *A textured or matte finish may be available; consult factory*

102 Series

Used as a glide or a closure in both light and heavy duty applications. Step lead provides easy assembly. Press fit assures secure hold in tubing.



INSERT GLIDES

PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	MATERIAL	COLOR
132BB-1312-0000	0.500 X 1.000	16	BUTYRATE	BLACK
132NN-1312-0000	0.500 X 1.000	16	NYLON	NATURAL
132PB-1312-0000	0.500 X 1.000	16	POLYETHYLENE	BLACK
132BB-1310-0000	0.500 X 1.000	18	BUTYRATE	BLACK
132BB-1205-0000	0.500 X 1.250	16	BUTYRATE	BLACK
132BB-1305-0000	0.500 X 1.500	16	BUTYRATE	BLACK
132BB-1414-0000	0.500 X 1.500	18	BUTYRATE	BLACK
132PB-1274-0000	0.750 X 1.500	11	POLYETHYLENE	BLACK
132PB-1373-0000	0.750 X 1.500	14	POLYETHYLENE	BLACK
132PB-1211-0000	0.750 X 1.500	16	POLYETHYLENE	BLACK
132PB-1212-0000	0.750 X 1.500	18	POLYETHYLENE	BLACK
132BB-1365-0000	0.750 X 2.000	16	BUTYRATE	BLACK
132BB-1316-0000	1.000 X 1.500	11	BUTYRATE	BLACK
132BB-1525-0000	1.000 X 1.500	14	BUTYRATE	BLACK
132BB-1299-0000	1.000 X 1.500	16	BUTYRATE	BLACK
132PB-1323-0000	1.000 X 1.500	16	POLYETHYLENE	BLACK
132BB-1322-0000	1.000 X 1.500	18	BUTYRATE	BLACK
132BB-1422-0000	1.000 X 2.000	10	BUTYRATE	BLACK
132BB-2362-0000	1.000 X 2.000	11	BUTYRATE	BLACK
132BB-1404-0000	1.000 X 2.000	13	BUTYRATE	BLACK
132BB-1399-0000	1.000 X 2.000	14	BUTYRATE	BLACK
132PB-1491-0000	1.000 X 2.000	14	POLYETHYLENE	BLACK
132BB-1455-0000	1.000 X 2.000	16	BUTYRATE	BLACK
132BN-1455-0000	1.000 X 2.000	16	BUTYRATE	CLEAR
132BB-1317-0000	1.000 X 2.000	17	BUTYRATE	BLACK
132BB-1372-0000	1.000 X 2.000	18	BUTYRATE	BLACK
132LB-1439-0000	1.000 X 3.000	14	LINEAR POLY	BLACK
132BB-1258-0000	1.500 X 2.000	11	BUTYRATE	BLACK
132PB-1193-0000	1.500 X 2.000	14	POLYETHYLENE	BLACK
132BB-2382-0000	1.500 X 2.500	11	BUTYRATE	BLACK
132OB-1496-0000	1.500 X 3.000	11	ABS	BLACK
132OB-1462-0000	1.500 X 3.000	16	ABS	BLACK

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

132 Series

RECTANGULAR INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	BOX QTY
RCR-1306-1618*	1-3/8" X 5/8"	16-18	4,000
RCR-1507-1218	1-1/2" X 3/4"	12-18	2,500
RCR-2010-1014	2" X 1"	10-14	1,000
RCR-2010-1618	2" X 1"	16-18	1,000
RCR-2012-1014	2" X 1-1/4"	10-14	1,000
RCR-2510-1618*	2-1/2" X 1"	16-18	1,000
RCR-2515-1216*	2-1/2" X 1-1/2"	12-18	1,000

*Textured finish on head.

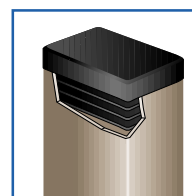
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene
- A textured or matte finish may be available; consult factory

RCR Series

New horizontal ribbed design has built-in flexibility to fit multiple tube gauge sizes.

RECTANGULAR RIBBED INSERT GLIDES



INSERT GLIDES

RECTANGULAR RCS SERIES INSERT GLIDES



PART NUMBER	TUBE SIZE (IN.)	TUBE GAUGE	BOX QTY
RCS-1005-18	1" X 1/2"	18	5,000
RCS-1505-18	1-1/2" X 1/2"	18	INQUIRE
RCS-1510-16	1-1/2" X 1"	16	INQUIRE
RCS-1510-18	1-1/2" X 1"	18	INQUIRE
RCS-2015-10	2" X 1-1/2"	10	500
RCS-2515-10	2-1/2" X 1-1/2"	10	500
RCS-3010-13	3" X 1"	13	500
RCS-3010-18	3" X 1"	18	500
RCS-3015-10	3" X 1-1/2"	10	500
RCS-3015-12	3" X 1-1/2"	12	500
RCS-3015-14	3" X 1-1/2"	14	500
RCS-3515-10	3-1/2" X 1-1/2"	10	400
RCS-3515-12	3-1/2" X 1-1/2"	12	400
RCS-3515-14	3-1/2" X 1-1/2"	14	400
RCS-3020-10	3" X 2"	10	INQUIRE
RCS-302-12	3" X 2"	12	INQUIRE

SPECIFICATIONS

- *Standard Color:* Black
- *Standard Material:* Low Density Polyethylene
- *A textured or matte finish may be available; consult factory*

RCS Series

The RCS is used as a glide or closure in tubular steel applications.

ROCKER BASE INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	SHAPE
110-1348	1/2" X 1-1/2"	18	RECTANGLE
109-1086	5/8"	16	SQUARE
109-1126	3/4"	16	SQUARE
109-1128	3/4"	18	SQUARE
109-1129	3/4"	19	SQUARE
109-1130	3/4"	20	SQUARE
109-1146	1-3/16"	16	SQUARE
109-1147	1-3/16"	17	SQUARE
109-1148	1-3/16"	18	SQUARE
109-1182	7/8"	12	SQUARE
109-1186	7/8"	16	SQUARE
109-1188	7/8"	18	SQUARE
109-1189	7/8"	19	SQUARE
109-1190	7/8"	20	SQUARE
109-1400	0.940"	18	SQUARE
109-1226	1"	16	SQUARE
109-1228	1"	18	SQUARE
109-1306	1-1/4"	16	SQUARE
109-1308	1-1/4"	18	SQUARE
109-1386	1-1/2"	16	SQUARE
109-1348	1-1/2"	18	SQUARE
DFRC-15-1800	1-1/2" X 3/4"	18	RECTANGLE

SPECIFICATIONS

- *Standard Color:* Black
- *Standard Material:* ABS
- *Optional Materials:* Nylon, Butyrate, Kresin

109/110 Series

The 109/110 Series accommodates any degree of leg angle.

SQUARE ROCKER BASE INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	MATERIAL	COLOR
132BB-1542-0000	0.625	18	BUTYRATE	BLACK
132BB-1222-0000	0.750	16	BUTYRATE	BLACK
132BB-1196-0000	0.750	18	BUTYRATE	BLACK
132BB-1302-0000	0.875	16	BUTYRATE	BLACK
132BB-1361-0000	0.875	18	BUTYRATE	BLACK
132BB-1238-0000	1.000	16	BUTYRATE	BLACK
132BN-1238-0000	1.000	16	BUTYRATE	CLEAR
132PB-1238-0000	1.000	16	POLYETHYLENE	BLACK
132BB-1181-0000	1.000	18	BUTYRATE	BLACK
132BB-1267-0000	1.250	16	BUTYRATE	BLACK

SPECIFICATIONS

- *Standard Color:* See Chart
- *Standard Material:* See Chart

132 Series

Square Rocker Glides are ideal for applications with variable leg angles. Square Rocker Glides fit flush with tubing outer dimensions for a finished look, and are available in a variety of sizes.



INSERT GLIDES

PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	STYLE (DOMED)
DFSQ-07-1820	3/4" X 3/4"	16-20	SQUARE
DFSQ-08-1620	7/8" X 7/8"	16-20	SQUARE
DFRD-08-1420	7/8" O.D.	14-20	ROUND
DFRD-10-1600	1" O.D.	16	ROUND
DFSQ-10-1620	1" X 1"	16-20	SQUARE
DFRD-12-1620	1-1/4" O.D.	16-20	ROUND

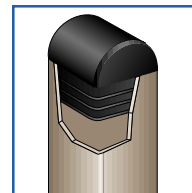
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene
- A textured or matte finish may be available; consult factory

DFRD Series

The DFRD Series accommodates any degree of leg angle, while the new horizontal ribbed design has built-in flexibility to fit multiple tube gauge sizes.

RIBBED ROCKER BASE INSERT GLIDES



PART NUMBER	TUBE SIZE (IN.)	TUBE GAUGE
103-0500	1/2" X 1-3/4"	13 (DOUBLE HOLLOW)
103-0310	1/2" X 1-3/4"	20 (TRIPLE HOLLOW)
103-0235	1/2" X 3-3/4"	11
103-0625	5/8" X 1-1/2"	16
103-0875	7/8" X 1-1/2"	16 (DOMED)
103-1375	1-1/16" X 1-3/8"	10 (DOUBLE HOLLOW)
103-1578	1-1/2" X 3/4"	16
103-0162	1-1/2" X 3/4"	16
103-0344	1.430" X 7/8"	14
103-0273	1-1/2" X 3-1/2"	16
800-0272	2" X .585"	14 (DOUBLE HOLLOW)
103-1500	2" X 1-3/4"	17
103-0063	5" X 2"	13

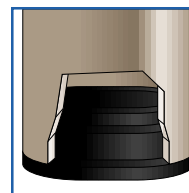
SPECIFICATIONS

- Standard Color: Black
- Standard Material: ABS
- Optional Materials: Nylon, Kresin, LDPE, Butyrate
- A textured or matte finish may be available; consult factory

103 Series

Used as a glide or a closure in both light and heavy duty applications. The 103 Series' step lead provides easy assembly. Press fit assures secure hold in tubing.

OVAL INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
105-1125	3/4"	15
105-1126	3/4"	16
105-1184	7/8"	14
105-1186	7/8"	16
105-1190	7/8"	20
105-0403	.938"	13
105-1224	1"	14
105-1224SP	1"	14 (SPECIAL)
105-1226	1"	16
105-1290	1"	16
105-1227	1"	17
105-1228	1"	18
105-1230	1"	20
105-1262	1-1/8"	12
105-1382	1-1/8"	12
105-1264	1-1/8"	14
105-1266	1-1/8"	16
105-1268	1-1/8"	18
105-1300	1.228"	1.005
105-1304	1.228"	14
105-1306	1-1/4"	16
105-1344	1-3/8"	14
105-1381	1-1/2"	11
105-1384	1-1/2"	14
105-1386	1-1/2"	16
105-1768	3"	18
100-0348	4-1/2"	12

SPECIFICATIONS

- Standard Color: Black
- Standard Material: ABS
- Optional Materials: Nylon, LDPE, Butyrate
- A textured or matte finish may be available; consult factory

105 Series

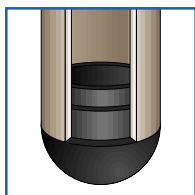
Our 105 Series Insert Ball Glides accommodate any degree of leg angle. Also used as tubing closures.

BALL INSERT GLIDES



INSERT GLIDES

BALL INSERT GLIDES



PART NUMBER	TUBE DIAMETER	TUBE GAUGE	MATERIAL	COLOR
136PB-7687-0000	0.625	16	POLYETHYLENE	BLACK
136PB-7684-0000	0.625	18	POLYETHYLENE	BLACK
136PB-7691-0000	0.625	20	POLYETHYLENE	BLACK
136BB-7603-0000	0.750	16	BUTYRATE	BLACK
136BB-7798-0000	0.750	20	BUTYRATE	BLACK
136BB-7692-0000	0.875	14	BUTYRATE	BLACK
136PB-7794-0000	0.875	18	POLYETHYLENE	BLACK
136PB-7681-0000	0.875	20	POLYETHYLENE	BLACK
136BB-7789-0000	1.000	16	BUTYRATE	BLACK
136BN-7789-0000	1.000	16	BUTYRATE	CLEAR
136PB-7789-0000	1.000	16	POLYETHYLENE	BLACK
136PB-7796-0000	1.000	18	POLYETHYLENE	BLACK
136PB-7683-0000	1.000	20	POLYETHYLENE	BLACK
136PB-7792-0000	1.250	16	POLYETHYLENE	BLACK

SPECIFICATIONS

- *Standard Color:* Black
- *Standard Material:* See Chart

136 Series

Round Ball Insert Glides are used primarily as glides which will accommodate any degree of furniture leg angle. Ball Glides provide a rounded end appearance, and fit flush with the outside diameter of tubing. Round Insert Ball Glides may also be used as tubing closures.

ROUND ANGLE INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	DEGREE
114-1126-10	3/4"	16	10°
AFRD-07-1600-15	3/4"	16	15°
114-1126-23	3/4"	16	23°
114-0125-66	3/4"	16	25-1/2°
114-1126-32	3/4"	16	32°
114-1186-19	7/8"	16	19°
114-1187-17	7/8"	17	17°
114-1187-19	7/8"	17	19°
114-1226-12	1"	16	12°
114-1226-19	1"	16	19°
114-1227-12	1"	17	12°
114-1227-19	1"	17	19°
114-1228-12	1"	18	12°
114-1268-12	1"	18	12°
114-1228-19	1"	18	19°
114-1306-15	1-1/4"	16	15°
114-1308-15	1-1/4"	16	15°
114-1318-15	1-1/4"	18	15°
114-1338-15	1.312"	.085	15°
114-1407-7	1-1/2"	17	7°
114-1528-32	2"	18	32°

SPECIFICATIONS

- *Standard Color:* Black
- *Standard Material:* ABS
- *Optional Materials:* Nylon, Kresin, LDPE, Butyrate.
- *A textured or matte finish may be available; consult factory*

114 Series



INSERT GLIDES

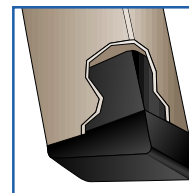
PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	DEGREE
115-1086-26	5/8"	16	26°

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: ABS*
- *Optional Materials: Nylon, Kresin, LDPE, Butyrate*
- *A textured or matte finish may be available; consult factory*

115Series

SQUARE ANGLE INSERT GLIDES



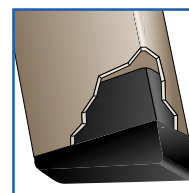
PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	DEGREE
116-2306-9.5	3/4" X 1-1/2"	16	9.5°
116-2306-15	3/4" X 1-1/2"	16	15.0°
116-2308-9.5	3/4" X 1-1/2"	18	9.5°

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: ABS*
- *Optional Materials: Nylon, Kresin, LDPE, Butyrate*
- *A textured or matte finish may be available; consult factory*

116Series

RECTANGULAR ANGLE INSERT GLIDES



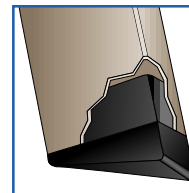
PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	DEGREE
117-0336-15	1-3/4" X 1.40" X 1.40"	1.40	15°

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: Nylon*
- *Optional Materials: Kresin, LDPE, Butyrate, ABS*
- *A textured or matte finish may be available; consult factory*

117series

TRIANGLE ANGLE INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE	DEGREE
AFSQ-07-1618-05	3/4" SQUARE	16-18	5°
AFSQ-07-1618-25	3/4" SQUARE	16-18	25°
AFSQ-08-1618-05	7/8" SQUARE	16-18	5°
AFSQ-08-1618-25	7/8" SQUARE	16-18	25°
AFSQ-10-1620-15	1" SQUARE	16-20	15°

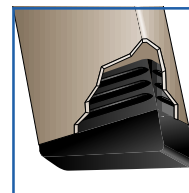
SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: Low Density Polyethylene*
- *A textured or matte finish may be available; consult factory*

AFSQ Series

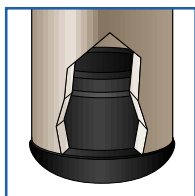
These angled feet are ideal for stacking chairs, children's play equipment and step ladders.

RIBBED ANGLE INSERT GLIDES



INSERT GLIDES

GRIP GLIDES



PART NUMBER	TUBE SIZE (IN.)	TUBE GAUGE
137-1128	3/4" (SQUARE DOMED)	18
136-1226	1"	16
136-1228	1"	18

SPECIFICATIONS

- *Standard Color:* Black
- *Standard Material:* ABS
- *Optional Materials:* Nylon, Kresin, LDPE, Butyrate
- *A textured or matte finish may be available; consult factory*

136/137 Series

ROUND THREADED INSERT GLIDES



PART NUMBER	TUBE DIAMETER (IN.)	TUBE GAUGE
200-0323	3/8"	16
200-0068	3/4"	17
200-0081	1"	13
200-0080	1"	16
200-0085	1-1/4"	16
200-0090	1-1/2"	16



SPECIFICATIONS

- *Standard Color:* Natural
- *Standard Material:* Nylon

200 Series

Can be used with either adjustable feet or tilt glides.

SQUARE THREADED INSERT GLIDES



PART NUMBER	TUBE DIAMETER	TUBE GAUGE	THREAD SIZE	MATERIAL	COLOR
131NB-3426-000A	3/4"	16	1/4-20	NYLON	BLACK
131NN-3428-000A	3/4"	18	1/4-20	NYLON	OFF-WHITE
131NN-3538-000A	13/16"	18	5/16-18	NYLON	OFF-WHITE
131NN-3456-000A	1"	16	1/4-20	NYLON	OFF-WHITE
131NN-3556-000A	1"	16	5/16-18	NYLON	OFF-WHITE
131NN-3458-000A	1"	18	1/4-20	NYLON	OFF-WHITE
131NN-3358-000A	1"	18	3/8-16	NYLON	OFF-WHITE
131NN-3558-000A	1"	18	5/16-18	NYLON	OFF-WHITE
131NB-3538-000A	1"	18	5/16-18	NYLON	BLACK
131NN-3460-000A	1"	20	1/4-20	NYLON	OFF-WHITE
131NN-3576-000A	1-1/4"	16	5/16-18	NYLON	OFF-WHITE
131NN-3578-000A	1-1/4"	18	5/16-18	NYLON	OFF-WHITE

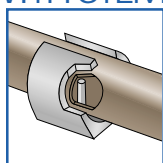
SPECIFICATIONS

- *Standard Color:* See Chart
- *Standard Material:* Nylon

131 Series

Square Threaded Inserts are designed to press fit into square tubing.

SNAP-ON GLIDES WITH STEM



PART NUMBER	TUBE SIZE (IN.)
450-0495	5/8" WITH STEM
450-0089	1" WITH STEM

SPECIFICATIONS

- *Standard Color:* Natural
- *Standard Material:* Kresin
- *Optional Materials:* Nylon, ABS, Butyrate
- *A textured or matte finish may be available; consult factory*

450 Series



INSERT GLIDES



PART NUMBER	TUBE O.D.	GLIDE LENGTH	MATERIAL	COLOR
176LN-1000-0000	1.000"	0.406"	LINEAR POLY	NATURAL

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Linear Poly

176 Series

Snapon Glides are designed to snap onto horizontal legs of chairs, tables and stands.

SNAP-ON GLIDES FOR HORIZONTAL TUBING



PART NUMBER	WASHER O.D.	WASHER THICKNESS	MATERIAL	COLOR
158PB-1000-0000	1.000"	0.109"	POLYETHYLENE	BLACK
158LN-1125-0000	1.125"	0.093"	LINEAR POLY	WHITE
158PB-1500-0000	1.500"	0.093"	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

158 Series

Flat Base Snapon Caps are used to cap a metal washer on the base of iron furniture. Flat Base Caps fit standard washers and are ideal wherever an inexpensive glide is required.

SNAP-ON CAPS FLAT BASE STYLE



PART NUMBER	HEAD O.D.	HEAD THICKNESS	OHIO N&B	MATERIAL	COLOR
158EG-0562-0100	0.562"	0.093"	LC0562	ELASTOMERIC	GRAY
158EG-0750-0100	0.750"	0.093"	LC0750	ELASTOMERIC	GRAY
158EG-0500-0100	0.875"	0.125"	LC0875	ELASTOMERIC	GRAY
158EG-1062-0100	1.062"	0.156"	LC1062	ELASTOMERIC	GRAY

SPECIFICATIONS

- Standard Color: Gray
- Standard Material: Elastomeric

158 Series

Snapon Caps for Hex Head Bolts are a low cost alternative to adjustable swivel glides. Hex Head Caps are used in conjunction with Ohio Nut and Bolt parts, capping the head of the bolt with a nonskid, non-marking elastomeric cap.

SNAP-ON BASE CAPS HEX HEAD STYLE



PART NUMBER	BASE CAP O.D.	GLIDE TYPE	MATERIAL	COLOR
294NN-9086-000A	0.875"	R.C. SILENCER	NYLON	NATURAL
158LN-1095-0000	1.000"	BUCKEYE #176	LINEAR POLY	WHITE
294NN-9105-000A	1.062"	R.C. SILENCER	NYLON	NATURAL
158LN-1200-0000	1.200"	BUCKEYE #186	LINEAR POLY	WHITE
294NN-9119-000A	1.218"	R.C. SILENCER	NYLON	NATURAL
158LN-1252-0000	1.250"	BUCKEYE #206	LINEAR POLY	WHITE
294NN-9124-000A	1.250"	SAMSON	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

158/294 Series

Metal Base Caps are low profile caps that effectively encapsulate standard metal base glides.

SNAP-ON BASE CAPS METAL BASE STYLE



INSERT GLIDES

CARPET GRIPPER GLIDES



PART NUMBER	BASE DIAMETER	SHANK DIAMETER	SHANK HEIGHT	MATERIAL	COLOR
207BN-2003-0000	1.531"	0.545"	0.170"	BUTYRATE	CLEAR
207BN-2004-0000	0.900"	0.545"	0.170"	BUTYRATE	CLEAR
207BN-2005-0200	1.750"	1.600"	-	BUTYRATE	CLEAR

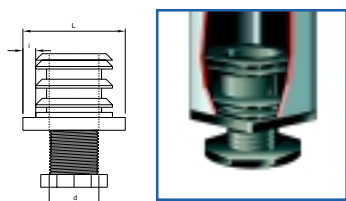
SPECIFICATIONS

- Standard Color: Clear
- Standard Material: Butyrate

207 Series

Carpet Gripper Glides are used to provide stability to furniture placed on carpet, while at the same time protecting the carpet from damage from furniture legs.

ROUND ADJUSTABLE INSERTS



PART NUMBER	TUBE SIZE (L)		GAUGE	THREAD SIZE	(LBS APPROX) AXIAL LOAD	QTY
	(IN.)	(MM.)				
RAI-100	1-1/4	32	14 TO 18	M22 X 1"	660	100
RAI-200	1-3/8	35	14 TO 18	M22 X 1"	660	100
RAI-300	1-1/2	40	14 TO 18	M22 X 1"	660	100
RAI-400	1-3/4	45	14 TO 18	M30 X 1.2"	660	100
RAI-500	2	50	14 TO 18	M30 X 1.2"	660	100
RAI-600	2-1/4	60	14 TO 18	M42 X 1.5"	660	100
RAI-700	3-1/8	80	14 TO 18	M56 X 1.5"	660	100

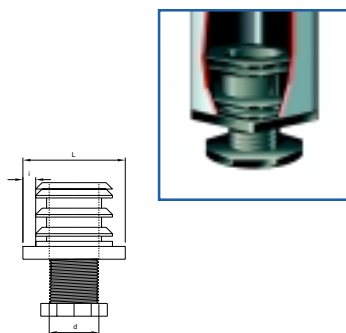
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Nylon

RAI Series

- Rugged, durable, heavy duty.
- Resists lateral stresses.
- Threaded insert and height adjuster in one piece.

SQUARE ADJUSTABLE INSERTS



PART NUMBER	TUBE SIZE (L)		GAUGE	THREAD SIZE	(LBS APPROX) AXIAL LOAD	QTY
	(IN.)	(MM.)				
SAI-100	0.787	20	14 TO 18	M10 X 1"	220	100
SAI-200	0.866	22	14 TO 18	M10 X 1"	220	100
SAI-300	1.000	25	14 TO 18	M16 X 1"	330	100
SAI-400	1.181	30	14 TO 18	M22 X 1"	660	100
SAI-500	1.375	35	14 TO 18	M22 X 1"	660	100
SAI-600	1.500	40	14 TO 18	M22 X 1"	660	100
SAI-700	1.750	45	14 TO 18	M30 X 1.18"	660	100
SAI-800	2.000	50	14 TO 18	M30 X 1.18"	660	100

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Nylon

SAI Series

- Rugged, durable, heavy duty.

TUBE GAUGE CALCULATION

Metal Tubes are available in various tube gauges, although the most commonly used in furniture manufacture range from 10 to 20 gauge.

To use this guide, calculate the wall thickness of the tube by subtracting the inside diameter from the outside diameter and dividing by 2. By cross-referencing this wall thickness on the table below, the tube gauge is obtained.

Wire Gauge Conversion Chart

GAUGE	WALL THICKNESS*		GAUGE	WALL THICKNESS*	
	(IN.)	(MM)		(IN.)	(MM)
10	0.128	3.25	17	0.056	1.42
11	0.116	2.95	18	0.048	1.22
12	0.104	2.64	19	0.040	1.02
13	0.092	2.34	20	0.036	0.91
14	0.080	2.03	21	0.032	0.81
15	0.072	1.83	22	0.028	0.71
16	0.064	1.63			

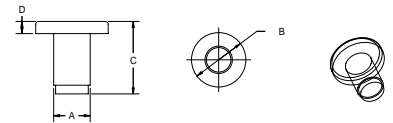
*Remember, the lower the gauge, the thicker the wall thickness.



BUMPERS

PART NUMBER	A (IN.)	B (IN.)	C (IN.)	D (IN.)	LEAD STYLE	MATERIAL	COLOR
138NN-5348-0000	0.089	0.250	0.315	0.125	T	NYLON	NATURAL
138NN-1337-0000	0.125	0.250	0.250	0.094	T	NYLON	NATURAL
138NN-5457-0000	0.125	0.406	0.297	0.063	T	NYLON	NATURAL
138NN-5591-0000	0.125	0.406	0.391	0.070	R	NYLON	NATURAL
138NN-5474-0000	0.125	0.406	0.438	0.063	T	NYLON	NATURAL
138NN-5350-0000	0.125	0.500	0.594	0.250	S	NYLON	NATURAL
138BB-5306-0000	0.156	0.281	0.430	0.219	S	BUTYRATE	BLACK
138NN-1315-0000	0.156	0.307	0.173	0.042	R	NYLON	NATURAL
138NN-5474-0000	0.156	0.438	0.313	0.063	T	NYLON	NATURAL
138LN-5369-0000	0.156	0.563	0.500	0.125	S	LINEAR PE	WHITE
138NN-5445-0000	0.160	0.313	0.281	0.094	T	NYLON	NATURAL
138NN-5447-0000	0.160	0.313	0.297	0.109	S	NYLON	NATURAL
138NN-5425-0000	0.160	0.345	0.203	0.077	T	NYLON	NATURAL
138NN-5440-0000	0.161	0.313	0.219	0.039	S	NYLON	NATURAL
138LN-5408-0000	0.183	0.438	0.406	0.063	R	LINEAR PE	WHITE
138NN-5364-0000	0.185	0.500	0.313	0.125	T	NYLON	NATURAL
138BB-5303-0000	0.187	0.625	0.563	0.125	S	BUTYRATE	BLACK
138NN-1314-0000	0.189	0.696	0.375	0.063	S	NYLON	NATURAL
138LN-5407-0000	0.193	0.563	0.375	0.094	T	LINEAR PE	WHITE
138LN-5366-0000	0.195	0.720	0.438	0.125	S	LINEAR PE	WHITE
138BB-1338-0000	0.205	0.750	0.683	0.188	S	BUTYRATE	BLACK
138NN-5354-0000	0.207	0.500	0.344	0.156	T	NYLON	NATURAL
138BB-1496-0000	0.213	0.496	0.563	0.125	T	BUTYRATE	BLACK
138LN-5416-0000	0.215	1.250	0.734	0.250	S	LINEAR PE	WHITE
138PB-5479-0000	0.218	0.625	0.434	0.100	S	POLYETHYLENE	BLACK
138NN-5459-0000	0.218	0.641	0.301	0.109	N	NYLON	NATURAL
138LN-5455-0000	0.231	0.500	0.672	0.313	S	LINEAR PE	WHITE
138LN-5476-0000	0.231	0.500	0.813	0.313	T	LINEAR PE	WHITE
138LN-1495-0000	0.234	0.563	0.750	0.375	S	LINEAR PE	WHITE
138LN-5581-0000	0.235	0.500	0.750	0.375	S	LINEAR PE	WHITE
138LN-1484-0000	0.235	0.500	0.797	0.438	S	LINEAR PE	WHITE
138PB-5362-0000	0.240	1.000	0.875	0.125	S	POLYETHYLENE	BLACK
138BB-5580-0000	0.250	1.000	0.406	0.150	N	BUTYRATE	BLACK
138NN-5356-0000	0.250	0.438	0.594	0.219	T	NYLON	NATURAL
138LN-5361-0000	0.250	0.500	0.438	0.156	R	LINEAR PE	WHITE
138PB-5361-0000	0.250	0.500	0.438	0.156	R	POLYETHYLENE	BLACK
138LN-1368-0000	0.250	0.500	0.468	0.172	T	LINEAR PE	WHITE
138VN-1339-0400	0.250	0.500	0.625	0.188	T	VINYL	CLEAR
138PB-1335-0000	0.250	1.040	0.313	0.074	S	POLYETHYLENE	BLACK
138LN-5421-0000	0.250	1.125	0.625	0.375	S	LINEAR PE	WHITE
138LN-5448-0000	0.250	1.120	0.734	0.469	S	LINEAR PE	WHITE
138PB-1319-0000	0.252	0.567	0.578	0.281	T	POLYETHYLENE	BLACK
138PB-5600-0000	0.252	0.750	0.437	0.188	S	POLYETHYLENE	BLACK
138PB-5462-0000	0.252	0.750	0.546	0.188	S	POLYETHYLENE	BLACK
138BB-5414-0000	0.255	0.500	0.500	0.156	S	BUTYRATE	BLACK
138NN-5380-0000	0.255	0.500	0.593	0.250	S	NYLON	NATURAL
138BN-5323-0000	0.255	0.875	0.875	0.125	S	BUTYRATE	CLEAR
138LN-5431-0000	0.255	0.984	0.296	0.125	T	LINEAR PE	WHITE
138LN-5344-0000	0.260	0.484	0.781	0.281	S	LINEAR PE	WHITE
138BB-5464-0000	0.260	0.500	0.968	0.547	S	BUTYRATE	BLACK
138PB-5467-0000	0.260	0.563	0.812	0.313	S	POLYETHYLENE	BLACK
138LN-5590-0000	0.260	0.750	0.437	0.094	S	LINEAR PE	WHITE
138NN-5590-0000	0.260	0.750	0.437	0.094	S	NYLON	NATURAL
138PB-5342-0000	0.260	0.750	0.687	0.344	S	POLYETHYLENE	BLACK
138BB-5460-0000	0.262	0.500	0.843	0.391	S	BUTYRATE	BLACK
138LN-1488-0000	0.275	0.500	0.578	0.203	S	LINEAR PE	WHITE
138NN-1334-0000	0.284	1.000	0.665	0.300	S	NYLON	NATURAL
138NN-5469-0000	0.303	0.625	0.781	0.438	T	NYLON	NATURAL
138PB-1329-0000	0.305	0.750	0.687	0.344	S	POLYETHYLENE	BLACK
138PW-5351-0000	0.312	0.438	0.406	0.125	S	POLYETHYLENE	WHITE
138NN-5599-0000	0.312	0.438	0.671	0.125	T	NYLON	NATURAL
138LN-5442-0000	0.312	0.750	0.687	0.344	S	LINEAR PE	WHITE
138PB-5442-0000	0.312	0.750	0.687	0.344	S	POLYETHYLENE	BLACK
138BB-5368-0000	0.312	1.000	0.663	0.375	S	BUTYRATE	BLACK
138NN-5584-0000	0.312	1.000	0.788	0.370	S	NYLON	NATURAL
138BB-1493-0000	0.312	1.120	0.703	0.391	S	BUTYRATE	BLACK
138NN-5373-0000	0.320	0.500	0.312	0.125	T	NYLON	NATURAL
138NN-5582-0000	0.320	1.000	0.415	0.180	S	NYLON	NATURAL

FLAT HEAD STEM BUMPERS



continued on next page...

BUMPERS

FLAT HEAD STEM BUMPERS



PART NUMBER	A (IN.)	B (IN.)	C (IN.)	D (IN.)	LEAD STYLE	MATERIAL	COLOR
138PB-1333-0000	0.338	0.813	0.734	0.438	S	POLYETHYLENE	BLACK
138PB-1332-0000	0.338	0.813	0.921	0.625	S	POLYETHYLENE	BLACK
138NN-5594-0000	0.380	1.460	0.468	0.188	S	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

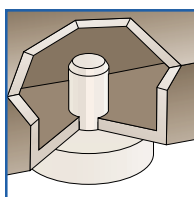
138 Series

Flat Head Stem Bumpers are designed either for appearance or the need to rest against a flat or tangent surface. Stem Bumpers are ideally suited to fit into sheet metal, wood, tubing, casting and flakeboard holes. The step-type or tapered lead on the stem makes insertion easy, and the press fit on the shank holds the bumper securely. Applications include use as glides, bumpers, closures, slides and stops on many products.

LEAD STYLES



STEM BUMPERS



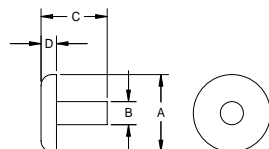
PART NUMBER	STYLE	A BASE SIZE	B HOLE SIZE	C HEIGHT	D BASE HEIGHT
302-0362	1	0.362	0.200	0.250	0.150
302-2000	1	0.375	0.187	0.600	0.300
302-0102	1	0.437	0.125	0.546	0.125
302-5476	1	0.500	0.187	0.781	0.296
302-2590	1	0.500	0.190	0.325	0.150
302-2500	1	0.500	0.250	0.640	0.188
302-2501	1	0.500	0.260	0.915	0.415
302-2580	1	0.500	0.335	0.858	0.435
302-0025	1	0.545	0.265	0.790	0.312
302-5303	1	0.625	0.187	0.563	0.125
302-0340	1	0.625	0.370	0.550	0.062
302-0886	1	0.687	0.250	1.195	0.718
302-0625	1	0.720	0.187	0.425	0.125
302-7669	1	0.750	0.250	0.250	0.250
302-2066	1	0.750	0.250	0.687	0.187
302-2075	1	0.750	0.250	0.695	0.343
302-0876	1	0.750	0.250	0.760	0.250
302-7668	1	0.750	0.312	1.125	0.625
302-0169	1	1.000	0.250	0.656	0.156
302-0281	1	1.000	0.281	0.250	0.156
		WITH .281 TAPER			
302-1125	1	1.125	0.320	0.495	0.165
302-0302	2	.625 X .750	0.250	0.546	0.203
302-0190	2	.750 X .750	0.268	0.700	0.285
302-0301	2	.750 X 1.00	0.250	0.570	0.120
302-1256	2	.750 X 1.00	0.275	0.643	0.305
302-0190	2	.750 X .750	0.250	0.703	0.093
302-0384	2	.750 X 2.375	0.250	0.525	0.250
		DOUBLE STEM			
302-0180	2	0.755	0.270	0.705	0.285
302-0331	2	1.250 X .500	0.375	0.250	0.250
302-0896	3	0.700	0.250	1.000	0.500
302-3309	3	0.750	0.250	0.800	0.187
302-0339	3	0.750	0.255	0.815	0.195

SPECIFICATIONS

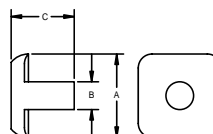
- Standard Color: Natural
- Standard Material: Nylon
- Optional Material(s): LDPE, Butyrate, ABS

302 Series

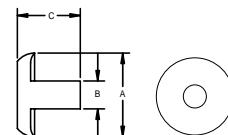
Style 1 Standard Round
 Style 2 Square & Rectangular Covered
 Style 3 Round Covered



Style 1 Standard Round



Style 2 Square & Rectangular Covered



Style 3 Round Covered

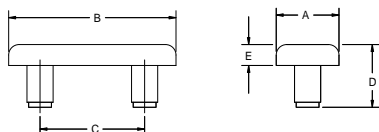


BUMPERS

PART NUMBER	TO FIT HOLE	DIMENSIONS (INCHES)					LEAD STYLE	HEAD STYLE	MATERIAL	COLOR
		A	B	C	D	E				
138PB-5498-0000	0.187	0.375	1.000	0.625	0.500	0.125	R	A	POLYETHYLENE	BLACK
138NN-5498-0000	0.187	0.375	1.000	0.625	0.500	0.125	R	A	NYLON	NATURAL
138NN-5313-0000	0.187	1.000	1.500	0.750	0.312	0.125	T	B	NYLON	NATURAL

SPECIFICATIONS

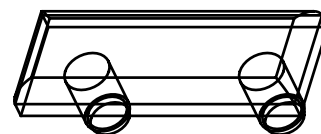
- Standard Color: See Chart
- Standard Material: See Chart



138 Series

Designed for applications requiring a bumper with a large head area.

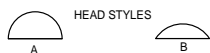
DOUBLE STEM BUMPERS



PART NUMBER	A (IN.)	B (IN.)	C (IN.)	D (IN.)	LEAD STYLE	HEAD STYLE	MATERIAL	COLOR
138NN-3311-0000	0.125	0.197	0.421	0.093	B	T	NYLON	NATURAL
138NN-5480-0000	0.125	0.250	0.102	0.063	B	N	NYLON	NATURAL
138NN-5337-0000	0.125	0.250	0.500	0.102	B	T	NYLON	NATURAL
138NN-5302-0000	0.126	0.246	0.218	0.046	B	T	NYLON	NATURAL
138NN-2325-0000	0.132	0.250	0.250	0.063	B	T	NYLON	NATURAL
138NN-5458-0000	0.156	0.500	0.359	0.085	B	T	NYLON	NATURAL
138NN-5458-0000	0.158	0.375	0.359	0.109	B	T	NYLON	NATURAL
138PB-5405-0000	0.203	0.375	0.734	0.180	B	T	POLYETHYLENE	BLACK
138PB-5353-0000	0.206	0.500	0.406	0.203	B	T	POLYETHYLENE	BLACK
138LN-5437-0000	0.232	0.500	0.640	0.390	A	S	LINEAR PE	WHITE
138NN-5451-0000	0.250	0.375	0.437	0.250	B	T	NYLON	NATURAL
138NN-5461-0000	0.250	0.375	0.625	0.250	A	T	NYLON	NATURAL
138NN-5432-0000	0.250	0.460	0.320	0.125	B	S	NYLON	NATURAL
138PB-5429-0000	0.250	0.750	0.671	0.343	B	S	POLYETHYLENE	BLACK
138NN-5411-0000	0.250	0.750	0.718	0.343	A	S	NYLON	NATURAL
138PB-5411-0000	0.250	0.750	0.718	0.343	B	S	POLYETHYLENE	BLACK
138NN-5413-0000	0.252	0.500	0.859	0.500	B	S	NYLON	NATURAL
138NN-5466-0000	0.257	0.562	0.718	0.093	B	T	NYLON	NATURAL
138PB-5406-0000	0.312	0.500	0.610	0.343	B	S	POLYETHYLENE	BLACK
138PB-5481-0000	0.313	0.750	0.671	0.234	B	S	POLYETHYLENE	BLACK
138NN-1313-0000	0.328	0.562	0.250	0.093	A	T	NYLON	NATURAL
138LN-5367-0000	0.360	0.490	0.625	0.250	B	S	LINEAR PE	WHITE
138PB-5404-0000	0.437	0.937	1.060	0.484	A	N	POLYETHYLENE	BLACK

SPECIFICATIONS

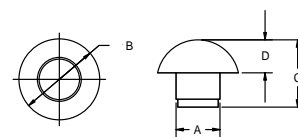
- Standard Color: See Chart
- Standard Material: See Chart



138 Series

Stem Bumpers are ideally suited to fit into sheet metal, wood, tubing, casting and flakeboard holes. The stepped or tapered lead on the stem makes insertion easy, and the press fit on the shank holds the bumper securely. Applications include use as glides, bumpers, closures, slides and stops on many products.

DOMED HEAD STEM BUMPERS



PART NUMBER	TO FIT HOLE	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	F (IN.)	G (IN.)	MATERIAL	COLOR
138NN-1336-0000	0.156	0.152	0.500	0.312	0.063	0.166	0.063	0.187	NYLON	NATURAL
138LN-5456-0000	0.234	0.218	0.500	0.625	0.187	0.281	0.125	0.312	LINEAR PE	WHITE
138NN-5477-0000	0.265	0.260	0.500	0.625	0.187	0.290	0.125	0.312	NYLON	NATURAL

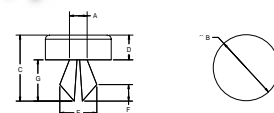
SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

138 Series

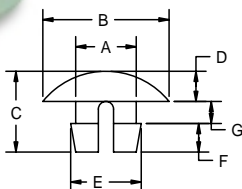
Produced with a split stem portion and undercut to make insertion easy and removal difficult. Used as panel plugs and bumpers.

FLAT HEAD SPLIT STEM BUMPERS



BUMPERS

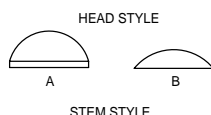
DOMED HEAD SPLIT STEM BUMPERS



PART NUMBER	TO FIT HOLE	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	F (IN.)	G (IN.)	STEM STYLE	HEAD STYLE
138NN-5324-0000	0.125	0.109	0.250	0.203	0.093	0.125	0.046	0.063	I	A
138NN-5500-0000	0.125	0.125	0.375	0.307	0.046	0.150	0.130	0.130	II	A
138NN-5426-0000	0.156	0.152	0.375	0.265	0.093	0.172	0.094	0.085	II	B
138NN-5300-0000	0.156	0.156	0.375	0.265	0.093	0.173	0.093	0.093	II	B
138NN-5320-0000	0.187	0.187	0.343	0.191	0.043	0.218	0.092	0.066	II	B
138NN-5327-0000	0.187	0.187	0.390	0.250	0.093	0.218	0.088	0.068	II	B
138NN-5505-0000	0.203	0.200	0.500	0.358	0.078	0.225	0.090	0.190	II	A
138NN-5310-0000	0.218	0.210	0.375	0.343	0.063	0.243	0.125	0.156	II	B

SPECIFICATIONS

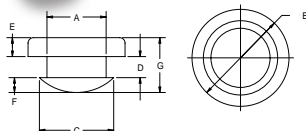
- Standard Color: Natural
- Standard Material: Nylon



138 Series

Domed Head Split Stem Bumpers are produced with a split stem portion to make insertion easy and removal difficult. The domed head makes them ideal for use as bumpers.

BUTTON STEM BUMPERS



PART NUMBER	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	F (IN.)	G (IN.)	MATERIAL	COLOR
138PB-5357-0000	0.219	0.359	0.225	0.078	0.07	0.055	0.187	POLYETHYLENE	BLACK

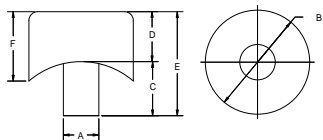
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Polyethylene

138 Series

Button Stem Bumpers are designed for insertion into holes in sheet metal or metal tubing.

COVERED STEM BUMPERS



PART NUMBER	TO FIT HOLE	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	F (IN.)	LEAD STYLE	MATERIAL	COLOR
138PB-5401-0000	0.562	0.250	0.500	0.281	0.156	0.437	0.187	N	POLY.	BLACK
138NN-5304-0000	0.686	0.250	0.750	0.375	0.187	0.562	0.437	T	NYLON	NATURAL
138NN-3309-000A	1.000	0.255	0.750	0.543	0.187	0.360	0.500	T	NYLON	NATURAL
138PB-5463-0000	1.000	0.257	0.750	0.290	0.210	0.500	0.361	S	POLY.	BLACK

SPECIFICATIONS

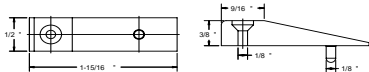
- Standard Color: See Chart
- Standard Material: See Chart

138 Series

Molded with an inside radius; suitable for seating of the part on the round tubing. The stem portion provides the press fit required for fastening. Used exclusively as protective devices and glides.



WEDGE STEM BUMPERS



PART NUMBER	MATERIAL	COLOR
169PB-0312-0000	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Polyethylene

169 Series

Secured with a screw, the bumper is ideal for applications needing extra strength.



BUMPERS

PART NUMBER	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	MATERIAL	COLOR
101PB-1003-0000	0.625	0.500	0.250	0.281	0.125	POLYETHYLENE	BLACK
101LN-1038-0000	0.625	0.750	0.500	0.312	0.140	LINEAR PE	WHITE
101PB-1038-0000	0.625	0.750	0.500	0.312	0.140	POLYETHYLENE	BLACK
101PB-1138-0000	0.687	0.375	0.218	0.296	0.135	POLYETHYLENE	BLACK
101PB-1025-0000	0.750	0.625	0.437	0.375	0.156	POLYETHYLENE	BLACK
101NB-1037-0000	0.750	0.750	0.468	0.437	0.196	NYLON	BLACK
101PB-1108-0000	0.850	0.615	0.125	0.437	0.190	LINEAR PE	WHITE
101PB-1153-0000	0.859	0.250	0.125	0.390	0.185	NYLON	NATURAL
101PB-1020-0000	0.859	0.609	0.390	0.312	0.182	POLYETHYLENE	BLACK
101PB-1036-0000	0.859	0.609	0.400	0.312	0.175	POLYETHYLENE	BLACK
101PB-1128-0000	0.875	0.500	0.250	0.375	0.203	POLYETHYLENE	BLACK
101NN-1140-0000	0.900	0.656	0.281	0.390	0.210	NYLON	NATURAL
101NN-1039-0000	0.930	0.734	0.484	0.406	0.265	NYLON	NATURAL
101PB-1036-0000	1.093	0.734	0.490	0.412	0.175	POLYETHYLENE	BLACK
101PB-1015-0000	1.093	0.750	0.468	0.415	0.180	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

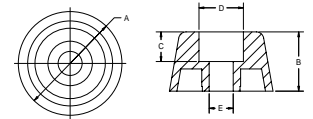
101 Series

Recessed Bumpers are ideally suited for use as feet on radios, TV sets, housewares, small appliances and many other products. They are fastened by means of a screw, bolt or rivet. This line also has countless other adaptations such as spacers, door stops or bumpers. Alliance Plastics' line of bumpers is available in Round, Coved and Tapered Configurations.

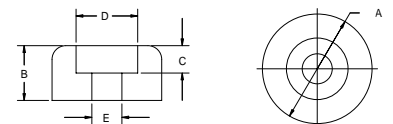
PART NUMBER	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	MATERIAL	COLOR
101LN-1148-0000	0.437	0.312	0.093	0.250	0.125	LINEAR PE	WHITE
101NN-1168-0000	0.437	0.312	0.078	0.281	0.161	NYLON	NATURAL
101BB-1053-0000	0.500	0.312	0.078	0.281	0.161	BUTYRATE	BLACK
101NN-1159-0000	0.500	0.062	0.037	0.375	0.156	NYLON	NATURAL
101BN-1026-0000	0.625	0.250	0.125	0.281	0.137	BUTYRATE	CLEAR
101NN-1008-0000	0.625	0.203	0.140	0.250	0.103	NYLON	NATURAL
101PB-1018-0000	0.625	0.203	0.140	0.250	0.103	POLYETHYLENE	BLACK
101LN-1043-0000	0.625	0.312	0.125	0.312	0.187	LINEAR PE	WHITE
101NN-1043-0000	0.625	0.312	0.125	0.312	0.187	NYLON	NATURAL
101PB-1043-0000	0.625	0.312	0.125	0.312	0.187	POLYETHYLENE	BLACK
101PB-1014-0000	0.625	0.343	2.000	0.312	0.171	POLYETHYLENE	BLACK
101PB-1102-0000	0.625	0.343	0.250	0.312	0.171	POLYETHYLENE	BLACK
101PB-1002-0000	0.625	0.359	0.250	0.312	0.171	POLYETHYLENE	BLACK
101PB-1033-0000	0.625	0.437	0.218	0.265	0.132	POLYETHYLENE	BLACK
101NN-1114-0000	0.625	0.359	0.250	0.312	0.171	NYLON	NATURAL
101LN-1001-0000	0.625	0.500	0.250	0.343	0.187	LINEAR PE	WHITE
101NN-1001-0000	0.625	0.500	0.250	0.343	0.187	NYLON	NATURAL
101PB-1001-0000	0.625	0.500	0.250	0.343	0.187	POLYETHYLENE	BLACK
101LN-1006-0000	0.625	0.500	0.296	0.350	0.160	LINEAR PE	WHITE
101PB-1006-0000	0.625	0.500	0.296	0.350	0.160	POLYETHYLENE	BLACK
101BB-1129-0000	0.687	0.375	0.125	0.343	0.171	BUTYRATE	BLACK
101NN-1011-0000	0.745	0.250	0.171	0.365	0.185	NYLON	NATURAL
101NN-1012-0000	0.750	0.250	0.125	0.343	0.156	NYLON	NATURAL
101PB-1012-0000	0.750	0.250	0.125	0.343	0.156	POLYETHYLENE	BLACK
101PB-1062-0000	0.750	0.312	0.130	0.437	0.280	NYLON	NATURAL
101BB-1029-0000	0.750	0.375	0.125	0.312	0.150	BUTYRATE	BLACK
101BB-1050-0000	0.750	0.375	0.187	0.303	0.125	BUTYRATE	BLACK
101PB-1050-0000	0.750	0.375	0.187	0.303	0.125	POLYETHYLENE	BLACK
101PB-1111-0000	0.750	0.750	0.187	0.333	0.156	POLYETHYLENE	BLACK
101PB-1052-0000	0.750	0.375	0.468	0.312	0.156	POLYETHYLENE	BLACK
101BB-1113-0000	0.750	1.062	0.062	0.500	0.250	BUTYRATE	BLACK
101LN-1013-0000	0.875	0.312	0.140	0.625	0.218	LINEAR PE	WHITE
101NN-1013-0000	0.875	0.312	0.140	0.625	0.218	NYLON	NATURAL
101PB-1122-0000	0.875	0.375	0.125	0.343	0.187	POLYETHYLENE	BLACK

RECESSED BUMPERS

TAPERED RECESSED BUMPERS

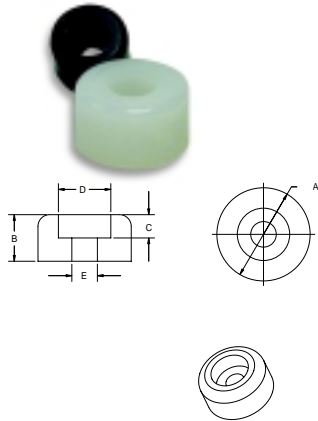


ROUND RECESSED BUMPERS



BUMPERS

ROUND RECESSED BUMPERS



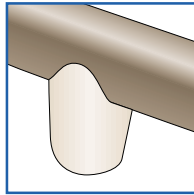
PART NUMBER	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	MATERIAL	COLOR
101BB-1056-0000	0.875	0.375	0.218	0.296	0.125	POLYETHYLENE	BLACK
101LN-1051-0000	0.875	0.500	0.313	0.375	0.219	LINEAR PE	WHITE
101PB-1060-0000	1.000	0.375	0.135	0.375	0.120	POLYETHYLENE	BLACK
101BB-1134-0000	1.000	0.500	0.250	0.285	0.125	BUTYRATE	BLACK
101PB-1027-0000	1.000	0.500	0.250	0.525	0.250	POLYETHYLENE	BLACK
101PB-1034-0000	1.000	0.500	0.250	0.560	0.265	POLYETHYLENE	BLACK
101PB-1134-0000	1.000	0.500	0.250	0.285	0.125	POLYETHYLENE	BLACK
101PB-1024-0000	1.000	0.500	0.265	0.500	0.261	POLYETHYLENE	BLACK
101NN-1112-0000	1.125	0.218	0.062	0.312	0.156	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

101 Series

COVERED RECESSED BUMPERS



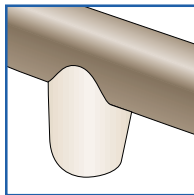
PART NUMBER	BASE SIZE	HOLE SIZE X HEIGHT
400-0350	0.805	.215 X .775
400-0750	0.835	.270 X .420
400-0192	0.975	.260 X .500
400-4023	0.990	.240 X .490

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon
- Optional Materials: LDPE, K-Resin, ABS

400 Series

COVERED RECESSED BUMPERS



PART NUMBER	TO FIT TUBE	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	MATERIAL	COLOR
101NN-1010-0000	0.750	0.625	0.500	0.187	0.375	0.187	NYLON	NATURAL
101NN-1110-0000	0.750	0.750	0.687	0.187	0.375	0.218	NYLON	NATURAL
101BB-1116-0000	0.750	0.750	0.875	0.187	0.375	0.218	BUTYRATE	BLACK
101PB-1096-0000	1.000	1.000	0.812	0.312	0.500	0.218	POLYETHYLENE	BLACK
101NN-1096-0000	1.000	1.000	0.812	0.312	0.500	0.218	NYLON	NATURAL
101PB-1133-0000	1.000	1.000	0.828	0.265	0.484	0.305	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

101 Series

Alliance Plastics' Covered Recessed Bumpers are designed so that the covered portion fits a matching contoured surface such as round tubing. This product can be used as a glide, bumper or spacer.



BUMPERS

PART NUMBER	STYLE	BASE SIZE	HOLE SIZE	BASE HEIGHT
353-2031	TAPERED	.660 TO .750	0.325	0.375

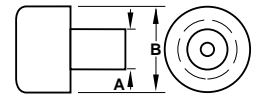
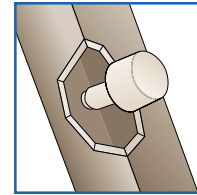
SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Vinyl*

353 Series

Designed for use as bumpers for stacking chairs.

VINYL BUMPER



PART NUMBER	DIMENSIONS		COLOR
	A	B	
SCP-2360	0.236	0.472	NATURAL
SCP-2520	0.252	0.748	BLACK

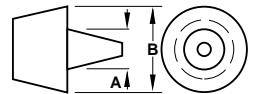
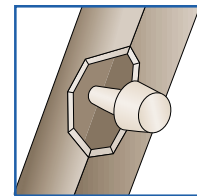
SPECIFICATIONS

- *Standard Color: See Chart*
- *Standard Material: High Density Polyethylene*

SCP Series

Designed for use as bumpers for stacking chairs.

STACKING CHAIR PLUG



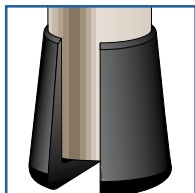
SAMPLES SERVICE



To request a sample of any of our products to evaluate before ordering, please call us toll free at **1-800-331-3816**, or visit our web site www.wclco.com

CAPS

HEAVY DUTY CAPS



PART NUMBER	TUBE O.D. SIZE	STYLE	COLOR
210-3800	3/8"	B	BLACK
210-0096	9/16"	A	BLACK
210-0625	5/8"	B	BLACK
100-0132	3/4" WITH HOLE	A	BLACK
210-0304	2-1/2"	C	BLACK
210-0750	3/4"	A	BLACK
210-0875	7/8"	B	BLACK
210-1000	1"	A	BLACK
210-1000-HL	1"	B	BLACK
100-0118	1" BALL WITH 1/2" SQUARE HOLE		BLACK
210-1100-HD	1.100"	C	BLACK
210-1125-HD	1-1/8"	C	BLACK
210-1250	1-1/4"	A	BLACK
210-1500	1-1/2"	A	BLACK

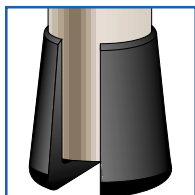
SPECIFICATIONS

- *Standard Color:* Black
- *Standard Material:* Low Density Polyethylene
- *Optional Materials:* Nylon, Thermoplastic Rubber (TPR)

100/210 Series

Heavy Duty Caps, designed for institutional applications, incorporate a thick internal ledge to resist cutthrough by sharp tubing ends.

HIGH SILHOUETTE CAPS



PART NUMBER	TO FIT TUBE	MATERIAL	COLOR
149PB-0500-0000	0.500"	POLYETHYLENE	BLACK
149PB-0625-0000	0.625"	POLYETHYLENE	BLACK
149PB-0750-0000	0.750"	POLYETHYLENE	BLACK

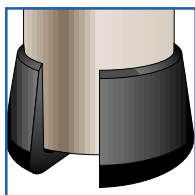
SPECIFICATIONS

- *Standard Color:* Black
- *Standard Material:* Polyethylene

149 Series

High Silhouette Caps are a taller companion line to Low Silhouette Caps. They are designed as a low-cost alternative for heavy duty application.

LOW SILHOUETTE CAPS



PART NUMBER	TO FIT TUBE	MATERIAL	COLOR
147LN-0500-0000	0.500"	POLYETHYLENE	WHITE
147PB-0625-0000	0.625"	POLYETHYLENE	BLACK
147PB-0750-0000	0.750"	POLYETHYLENE	BLACK
147PB-1000-0000	1.000"	POLYETHYLENE	BLACK
147PB-1500-0000	1.500"	POLYETHYLENE	BLACK

SPECIFICATIONS

- *Standard Color:* See Chart
- *Standard Material:* Polyethylene

147 Series

Low Silhouette Caps have a thick base and wall construction for maximum durability.





PART NUMBER	TO FIT TUBE	MATERIAL	COLOR
171EW-0625-0000	0.625"	ELASTOMERIC POLY	WHITE
171EB-0750-0000	0.750"	ELASTOMERIC POLY	BLACK
171EB-0875-0000	0.875"	ELASTOMERIC POLY	BLACK
171EW-0875-0000	0.875"	ELASTOMERIC POLY	WHITE
171EB-1000-0200	1.000"	ELASTOMERIC POLY	BLACK
171EW-1000-0200	1.000"	ELASTOMERIC POLY	WHITE

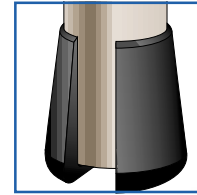
SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: Elastomeric Polyethylene

171 Series

HighLine Domed Caps are tall and durable. Ideal for nonskid applications, these caps have a thinner wall section than High Silhouette Caps resulting in ease of installation.

HIGH - LINE DOMED CAPS



PART NUMBER	TO FIT TUBE	MATERIAL	COLOR
172EB-0875-0300	0.875"	ELASTOMERIC POLY	BLACK
172EW-1000-0300	1.000"	ELASTOMERIC POLY	WHITE
172EB-1000-0300	1.000"	ELASTOMERIC POLY	BLACK

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: Elastomeric Polyethylene

172 Series

LowLine Dome Caps have a thick rounded base for long wear and use on a wide range of leg angles. LowLine Dome Caps are manufactured in Elastomeric Polyethylene to suit a wide variety of non-skid applications.

LOW - LINE DOMED CAPS



For more options, ask about our 210 Series of Round Caps!



PART NUMBER	TO FIT TUBE	MATERIAL	COLOR
144PB-0375-0000	0.375"	POLYETHYLENE	BLACK
144PB-0500-0000	0.500"	POLYETHYLENE	BLACK
144PW-0500-0000	0.500"	POLYETHYLENE	WHITE
144PB-0625-0000	0.625"	POLYETHYLENE	BLACK
144PW-0625-0000	0.625"	POLYETHYLENE	WHITE
144PB-0750-0000	0.750"	POLYETHYLENE	BLACK
144PW-0750-0000	0.750"	POLYETHYLENE	WHITE
144PG-0750-0000	0.750"	POLYETHYLENE	GRAY
144PB-0875-0000	0.875"	POLYETHYLENE	BLACK
144PW-0875-0000	0.875"	POLYETHYLENE	WHITE
144PW-1000-0000	1.000"	POLYETHYLENE	WHITE
144PB-1000-0000	1.000"	POLYETHYLENE	BLACK
144PW-1125-0000	1.125"	POLYETHYLENE	WHITE
144PB-1125-0000	1.125"	POLYETHYLENE	BLACK
144PW-1250-0000	1.250"	POLYETHYLENE	WHITE
144PB-1250-0000	1.250"	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: Polyethylene

144 Series

Alliance Plastics' Slenda Cap is an industry standard for light duty applications due to its low cost. An integrated step lead permits fast positioning and quick assembly from this economically and attractive means of finishing the end of rod or tubing.

ROUND SLENDA™ CAPS



CAPS

ROUND CAPS WITH OVERSIZED BASE



PART NUMBER	TO FIT TUBE	BASE DIAMETER	MATERIAL	COLOR
154PB-7504-0000	0.180"	0.625"	POLYETHYLENE	BLACK
154PB-7503-0000	0.250"	0.750"	POLYETHYLENE	BLACK
154PB-7614-0000	0.250"	1.000"	POLYETHYLENE	BLACK
154PB-7735-0000	0.312"	1.000"	POLYETHYLENE	BLACK
154PB-7730-0000	0.375"	1.000"	POLYETHYLENE	BLACK

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: Polyethylene*

154 Series

BALL CAPS



PART NUMBER	TUBE O.D.	BALL O.D.	MATERIAL	COLOR
253BB-7707-0000	0.312"	0.625"	BUTYRATE	BLACK
253BB-7767-0000	0.375"	0.625"	BUTYRATE	BLACK
253PB-7602-0000	0.375"	1.000"	POLYETHYLENE	BLACK
253LN-7775-0000	0.500"	0.875"	LINEAR POLYETHYLENE	WHITE
253BB-7775-0000	0.500"	0.875"	BUTYRATE	BLACK
253PB-7775-0000	0.500"	0.875"	POLYETHYLENE	BLACK
253PB-7785-0000	0.625"	1.000"	POLYETHYLENE	BLACK
253LG-7719-0000	0.875"	1.312"	LINEAR POLYETHYLENE	GRAY

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: Polyethylene*

253 Series

Ball Caps are a popular style of heavy duty glide in which the ball will greatly enhance the leg design of a given application, as well as accommodate a wide variety of leg angles. Ball Caps may also be used as a decorative top or finial and maintain an excellent press fit.

SQUARE CAPS



PART NUMBER	TUBE O.D. SIZE	STYLE	MATERIAL	COLOR
211-0500	1/2"	END CAP	LOW DENSITY POLYETHYLENE	BLACK
211-1000	1"	END CAP	LOW DENSITY POLYETHYLENE	BLACK
211-1250	1-1/4"	END CAP	LOW DENSITY POLYETHYLENE	BLACK
211-3000	3"	END CAP	LOW DENSITY POLYETHYLENE	BLACK

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: Low Density Polyethylene*
- *Optional Materials: Nylon, Thermoplastic Rubber (TPR)*

211 Series

Designed to fit most popular sizes of square tubular steel.



PART NUMBER	TO FIT TUBE	DEPTH	MATERIAL	COLOR
145PB-6535-0000	0.500" X 1.000"	1/2"	POLYETHYLENE	BLACK
145PB-6527-0000	1.000" X 2.000"	1/2"	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Polyethylene

145 Series

RECTANGULAR CAPS FOR TUBING



PART NUMBER	BAR DIMENSION	BASE DEPTH	STYLE	MATERIAL	COLOR
161PB-0240-0000	0.125" X 0.750"	0.406"	FLAT	POLYETHYLENE	BLACK
161PB-0242-0000	0.187" X 1.000"	1.032"	ROUND	POLYETHYLENE	BLACK
161PB-0253-0000	0.250" X 1.000"	0.625"	FLAT	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Polyethylene

161 Series

Rectangular Caps for Bar Steel are manufactured with a rounded or flat base, and serve as an excellent means for capping the ends of bar steel.

RECTANGULAR CAPS FOR BAR STEEL



PART NUMBER	LEG LENGTH	LEG GAUGE	MATERIAL	COLOR
159PB-0750-0000	0.750"	0.125"	POLYETHYLENE	BLACK
159PB-1000-0000	1.000"	0.125"	POLYETHYLENE	BLACK
159PB-1125-0000	1.250"	0.125"	POLYETHYLENE	BLACK
159PB-1128-0000	1.500"	0.125"	POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Polyethylene

159 Series

Angle Iron Caps are the low cost answer to the problem of protecting floors from the sharp edges of angle iron furniture. Angle Iron Caps are also used as caps on metal bed frames and shelves and will not rust while also eliminating the cost of welding steel closures.

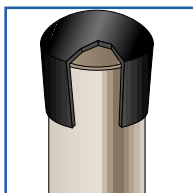
ANGLE IRON CAPS



CAPS

FERRULES & TIPS

ROUND FERRULE



PART NUMBER	TUBE O.D. SIZE	BOX QTY	MATERIAL	COLOR
FRD-0375	3/8"	20,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-0437	7/16"	10,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-0500	1/2"	5,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-0625	5/8"	5,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-0750	3/4"	4,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-0875	7/8"	2,500	LOW DENSITY POLYETHYLENE	BLACK
FRD-1000	1"	2,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-1125	1-1/8"	1,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-1250	1-1/4"	1,000	LOW DENSITY POLYETHYLENE	BLACK
FRD-1500	1-1/2"	500	LOW DENSITY POLYETHYLENE	BLACK
FRD-1750	1-3/4"	500	LOW DENSITY POLYETHYLENE	BLACK
FRD-2000	2"	300	LOW DENSITY POLYETHYLENE	BLACK
FRD-2500	2-1/2"	200	LOW DENSITY POLYETHYLENE	BLACK
FRD-3000	3"	150	LOW DENSITY POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene

FRD Series

Provides a neat finish to products manufactured from tubular steel.

SQUARE FERRULE



PART NUMBER	TUBE O.D. SIZE	BOX QTY	MATERIAL	COLOR
FSQ-0625	5/8"	4,000	LOW DENSITY POLYETHYLENE	BLACK
FSQ-0875	7/8"	2,000	LOW DENSITY POLYETHYLENE	BLACK
FSQ-1000	1"	1,000	LOW DENSITY POLYETHYLENE	BLACK
FSQ-2000	2"	250	LOW DENSITY POLYETHYLENE	BLACK

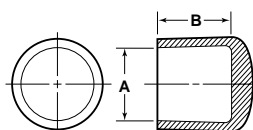
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene

FSQ Series

Provides a neat finish to products manufactured from square tubular steel.

TAPERED FERRULE



PART NUMBER	DIMENSIONS		BOX QTY	MATERIAL	COLOR
	A	B			
FTP-0187	3/16"	15/32"	10,000	PVC	BLACK
FTP-0250	1/4"	15/32"	10,000	PVC	BLACK
FTP-0312	5/16"	9/16"	10,000	PVC	BLACK
FTP-0312-LP	5/16"	29/32"	10,000	PVC	BLACK
FTP-037	3/8"	5/8"	5,000	PVC	BLACK
FTP-0500-LP	1/2"	29/32"	4,000	PVC	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: PVC
- Optional Material: LDPE indicated by "LP" Part No. suffix.

FTP Series

Tapered Ferrules are often used as a safety cap on protruding steel rods or bars.





PART NUMBER	HOLE DIAMETER	MAXIMUM THICKNESS	HEAD DIAMETER B	THICKNESS C
PLH-001	0.187	0.062	0.250	0.234
PLH-002	0.250	0.062	0.312	0.312
PLH-003	0.312	0.062	0.375	0.312
PLH-004	0.375	0.125	0.468	0.406
PLH-005	0.437	0.125	0.531	0.406
PLH-006	0.500	0.125	0.578	0.406
PLH-007	0.562	0.125	0.656	0.406
PLH-008	0.625	0.125	0.718	0.406
PLH-009	0.687	0.125	0.781	0.406
PLH-010	0.750	0.125	0.922	0.406
PLH-011	0.812	0.125	0.890	0.406
PLH-012	0.875	0.125	1.016	0.406
PLH-013	1.000	0.125	1.203	0.406
PLH-014	1.093/1.125	0.125	1.218	0.406
PLH-015	1.187	0.125	1.312	0.406
PLH-016	1.250	0.125	1.375	0.406
PLH-017	1.375	0.125	1.500	0.406
PLH-018	1.500	0.125	1.672	0.406
PLH-019	1.750	0.125	1.925	0.406
PLH-020	2.000	0.250	2.140	0.406

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Nylon

PLH Series

Multiple locks to positively snap in panel thicknesses ranging from 1/64" to 1/8". Close excess chassis holes, wiring outlets, and production access holes. Molded of heat stabilized nylon (UL94V2), and may be more suitable for critical or elevated temperature applications.



PART NUMBER	HOLE DIAMETER	MAXIMUM THICKNESS	HEAD DIAMETER B	THICKNESS C
PLV-001	0.750	0.125	0.906	0.406
PLV-002	0.875	0.125	1.016	0.453
PLV-003	1.000	0.125	1.203	0.453

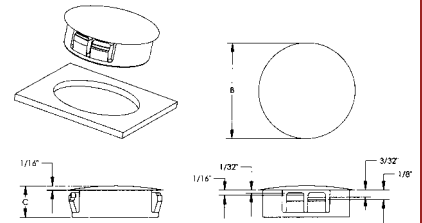
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Nylon

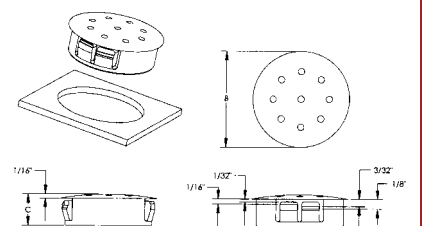
PLV Series

Multiple locks to positively snap in panel thicknesses ranging from 1/64" to 1/8". Close excess chassis holes, wiring outlets, and production access holes. Molded of heat stabilized nylon (UL94V2), and may be more suitable for critical or elevated temperature applications. Locking Vent Plugs are available in the 3/4", 7/8" and 1" diameters.

LOCKING HOLE PLUGS

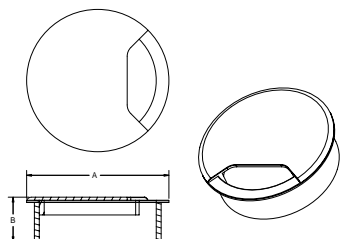


LOCKING VENT PLUGS



WIRE MANAGEMENT GROMMETS

ROUND WIRE MANAGEMENT GROMMETS



PART NUMBER	A	B	TO FIT HOLE SIZE	ASSEMBLY	MATERIAL	SURFACE FINISH
900-0125	1-1/2"	0.470"	1-1/4"	3-PIECE	ABS	TEXTURED
122OB-0221-00A3	2"	1.000"	1.860"	3-PIECE	ABS	SMOOTH
900-20000-TEX	2-1/4"	1.000"	2"	3-PIECE	ABS	TEXTURED
900-0054	3"	0.380"	2-1/2"	2-PIECE	ABS	TEXTURED
122OB-0238-00A3	3"	1.050"	2-3/4"	3-PIECE	ABS	SMOOTH
900-3000-TEX	3"	1.050"	2-3/4"	3-PIECE	ABS	TEXTURED
122HB-0250	3-5/8"	1.000"	3-1/4"	2-PIECE	POLYSTYRENE	TEXTURED
905-2000	2-1/4"	1.000"	2"	2-PIECE	POLYPROPYLENE	TEXTURED
905-3000	3"	1.000"	2-3/4"	2-PIECE	POLYPROPYLENE	TEXTURED

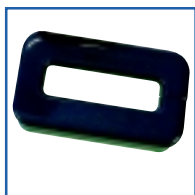
SPECIFICATIONS

- *Standard Color: Most Round Grommets available in the following colors: Black, Putty, Walnut, Light Gray, White.*
- *Standard Material: See Chart*

900/122 Series

Alliance Plastics' Wire Management Grommets are used extensively on office and computer furniture to eliminate the clutter of wires and cables. Our range of Grommets offers several shapes, styles and finishes, and can be coordinated to match the color of your desk surface.

RECTANGULAR WIRE MANAGEMENT GROMMETS



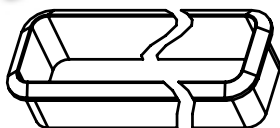
PART NUMBER	A	B	C	TO FIT HOLE SIZE	ASSEMBLY	MATERIAL	SURFACE FINISH
122OB-0305-00A2	3.475"	2.100"	1.250"	3.230" X 1.865"	2-PIECE	ABS	TEXTURED
122OB-0300-00A3	3.500"	2.125"	0.700"	3.250" X 1.875"	3-PIECE	ABS	TEXTURED
122OB-0303-00A3	3.500"	2.125"	1.250"	3.230" X 1.865"	3-PIECE	ABS	TEXTURED
900-0300	3.500"	2.130"	0.710"	3.320" X 1.950"	2-PIECE	ABS	TEXTURED
900-4000	4.000"	3.120"	1.120"	2.600" X 2.450"	3-PIECE	ABS	TEXTURED

SPECIFICATIONS

- *Standard Color: Most Rectangular Grommets are available in the following colors: Black, Putty, Walnut, Light Gray.*
- *Standard Material: ABS*

900/122 Series

PAPER GROMMETS



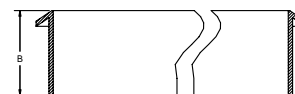
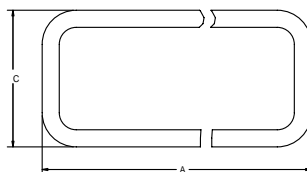
PART NUMBER	A	B	C	TO FIT HOLE SIZE	ASSEMBLY	MATERIAL	COLOR
122HE-1616-8500	17"	2"	1-1/4"	16.650" X 1.625"	1-PIECE	POLYSTYRENE	BEIGE
122HB-1616-0000	17"	2"	1-1/4"	16.650" X 1.625"	1-PIECE	POLYSTYRENE	BLACK
122HA-1616-8500	17"	2"	1-1/4"	16.650" X 1.625"	1-PIECE	POLYSTYRENE	WALNUT

SPECIFICATIONS

- *Standard Color: See Chart*
- *Standard Material: Polystyrene*

122 Series

Paper Management Grommets provide a decorative finish for computer paper slots.



WIRE MANAGEMENT GROMMETS

PART NUMBER	DESCRIPTION
900-1800	2" UMBRELLA TABLE BUSHING
900-1888	2" UMBRELLA TABLE PLUG

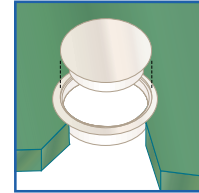
SPECIFICATIONS

- Standard Color: Clear
- Standard Material: K-Resin
- Optional Material: Butyrate

900 Series

Used on patio furniture to protect the table surface from damage from the umbrella. The Plug finishes the table when an umbrella is not present.

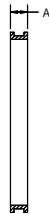
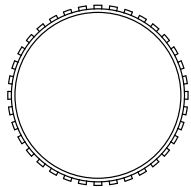
UMBRELLA TABLE GROMMET AND PLUG



PART NUMBER	MIN PANEL THICKNESS	MAX PANEL THICKNESS	LENGTH	MATERIAL	COLOR
122NN-1500-060A	0.015"	0.052"	12.750"	NYLON	NATURAL
122NN-2500-060A	0.053"	0.085"	12.750"	NYLON	NATURAL
122NN-3500-060A	0.086"	0.128"	12.750"	NYLON	NATURAL
122NN-4500-060A	0.128"	0.192"	12.750"	NYLON	NATURAL
122NN-5500-060A	0.192"	0.255"	12.750"	NYLON	NATURAL

SPECIFICATIONS

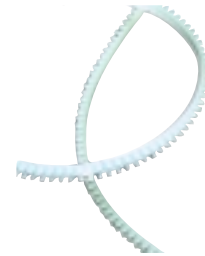
- Standard Color: Natural
- Standard Material: Nylon



122 Series

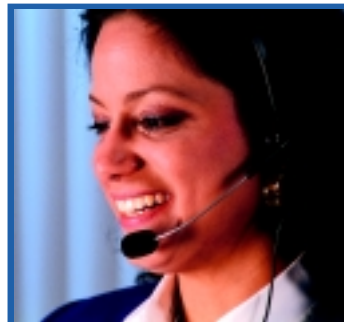
Flexible Nylon Grommets are ideally suited to irregular shaped and sized holes in sheet metal. They require no cementing and are used extensively in computer and electrical components, appliances, lighting fixtures and to insulate wires which must pass through a hole in sheet metal. Flexible Grommets will withstand heat and conform to military specification MS21266.

FLEXIBLE GROMMETS



LET US HELP YOU...

- Solid, dependable and friendly customer service.
- Personal attention to detail.
- Knowledgeable sales team.
- Cost effective solutions to your particular applications.



DRAWER HARDWARE

Alliance Plastics manufactures an extensive range of plastic pulls manufactured in both ABS and Nylon. Our Drawer Pulls are tough, rigid, impact resistant and provide superior stability in addition to being lightweight. All pulls are manufactured with self-tapping screw holes.

BENT WIRE DRAWER PULLS



PART NUMBER	DISTANCE BETWEEN HOLES	MATERIAL	COLOR	BOX QTY
142OB-3000-0000	3"	ABS	BLACK	1,000
142NB-4300-0000	4"	NYLON	BLACK	600

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: See Chart*

142 Series

Bent Wire Pulls are distinctive in design and are a perfect complement to most of today's contemporary furniture.

BROAD BASE DRAWER PULLS



PART NUMBER	DISTANCE BETWEEN HOLES	MATERIAL	COLOR	BOX QTY
142OB-4000-0000	4"	ABS	BLACK	1,000

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: ABS*

142 Series

Broad Base Pulls are an attractive and lightweight alternative to heavy wood and metal pulls.

FINGER DRAWER PULLS



PART NUMBER	DISTANCE BETWEEN HOLES	MATERIAL	COLOR	BOX QTY
142NB-4200-0000	4"	NYLON	BLACK	312

SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: Nylon*

142 Series

Finger Pulls are an attractive and economical pull manufactured in black nylon.

FLUSH MOUNT DRAWER PULLS



PART NUMBER	DISTANCE BETWEEN HOLES	MATERIAL	COLOR	BOX QTY
143OA-3740-0000	3-3/4"	ABS	WALNUT	350
143OB-3740-0000	3-3/4"	ABS	BLACK	350
143OE-3740-0000	3-3/4"	ABS	BEIGE	350
143OI-3740-0000	3-3/4"	ABS	IVORY	350
143OG-3740-7600	3-3/4"	ABS	LIGHT GRAY	350
143OW-3740-0000	3-3/4"	ABS	WHITE	350

SPECIFICATIONS

- *Standard Color: See Chart*
- *Standard Material: ABS*

143 Series

Alliance Plastics' Flush Mount Pulls have become the industry standard. This pull can be used in both wood and metal applications and fits flush with all drawer surfaces. The Flush Mount Pull may be applied with screws and a back plate, or may be glued onto a recessed hole.



DRAWER HARDWARE



PART NUMBER	MATERIAL	COLOR	BOX QTY
130LN-0210-0000	LINEAR POLY	WHITE	2,300
130LN-0218-0000	LINEAR POLY	WHITE	2,500

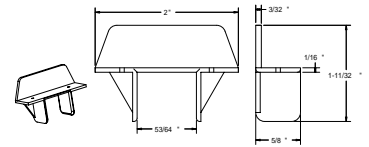
SPECIFICATIONS

- Standard Color: White
- Standard Material: Linear Poly

130 Series

Alliance Plastics' Track Guides are a durable and efficient way of securing a drawer to its track. Available in a variety of sizes, Track Guides provide a secure, smooth sliding contact between a drawer and its track.

GUIDES FOR WOOD DRAWER TRACKS



PART NUMBER	MATERIAL	COLOR	BOX QTY
130LN-0298-0000	LINEAR POLY	WHITE	5,000
130LN-0320-0000	LINEAR POLY	WHITE	1,000

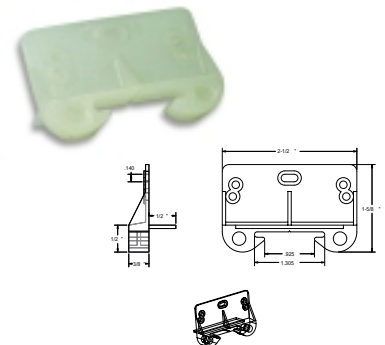
SPECIFICATIONS

- Standard Color: White
- Standard Material: Linear Poly

130 Series

Alliance Plastics' Track Guides are a durable and efficient way of securing a drawer to its track. Available in a variety of sizes, Track Guides provide a secure, smooth sliding contact between a drawer and its track.

GUIDES FOR METAL DRAWER TRACKS



PART NUMBER	MATERIAL	COLOR	BOX QTY
130LN-0295-0000	LINEAR POLY	WHITE	1,000

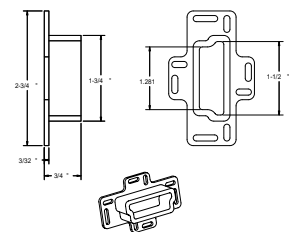
SPECIFICATIONS

- Standard Color: White
- Standard Material: Linear Poly

130 Series

Track Mounting Sockets are an effective method of securing a track to the back of a drawer case.

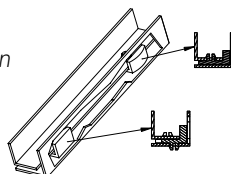
TRACK MOUNTING SOCKET FOR METAL TRACK



PART NUMBER	A	B	HOLE SIZE C	MATERIAL	COLOR
153NN-0146-0000	0.453"	0.500"	0.156"	NYLON	NATURAL
153NN-0145-0000	0.562"	0.500"	0.156"	NYLON	NATURAL

SPECIFICATIONS

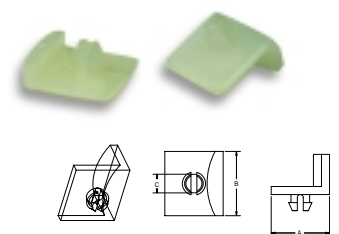
- Standard Color: Natural
- Standard Material: Nylon



153 Series

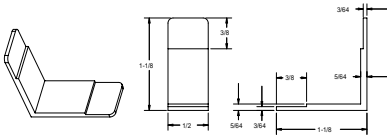
Split Stem Drawer Glides serve the same function as Side Saddle Drawer Glides, but are designed to be inserted into the side or bottom of a drawer. Manufactured from Nylon, these components have a low coefficient of friction.

SPLIT STEM DRAWER GUIDES FOR METAL



DRAWER HARDWARE

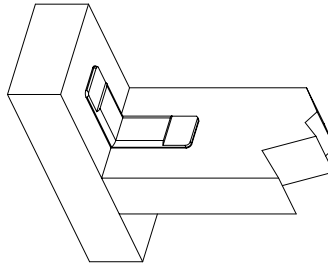
SIDE SADDLE DRAWER GLIDES



PART NUMBER	MATERIAL	COLOR	BOX QTY
130LN-0168-0000	LINEAR POLY	WHITE	5,000

SPECIFICATIONS

- Standard Color: White
- Standard Material: Linear Poly



130 Series

Side Saddle Drawer Glides are the perfect complement to our complete line of drawer components. Manufactured from durable Linear Polyethylene, the Side Saddle Drawer Glide provides a friction free point at which a drawer may slide. Side Saddle Drawer Glides are usually stapled in place using simple tabs.

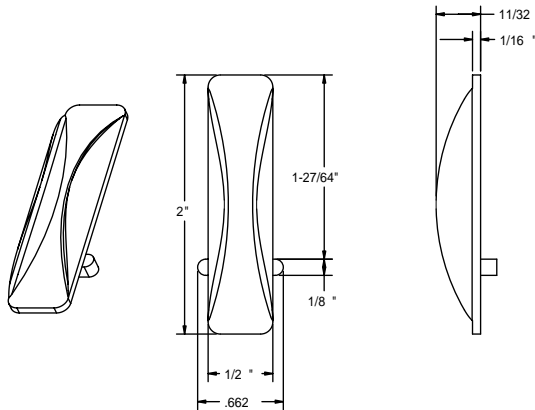
DRAWER DIVIDER SUPPORT



PART NUMBER	MATERIAL	COLOR	BOX QTY
169LE-4000-0000	LINEAR POLY	BEIGE	5,000
169LN-4000-0000	LINEAR POLY	WHITE	5,000

SPECIFICATIONS

- Standard Color: White
- Standard Material: Linear Poly



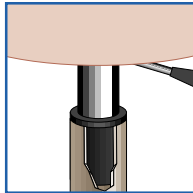
169 Series

Manufactured from durable, rigid Linear Polyethylene, Drawer Divider Supports provide a convenient place to insert wood and metal dividers in drawers.



CHAIR HARDWARE

SEAT POST BUSHINGS



PART NUMBER	DESCRIPTION	STANDARD MATERIAL
850-0205	HUB LINER FOR 1.250" O.D. X 18 GA. (1.175" O.D.) FOR 1" DIAMETER SPINDLE	NYLON
850-0206	HUB LINER FOR 1.250" O.D. X 14 GA. (1.175" O.D.) FOR 1" DIAMETER SPINDLE W/LOCATING NIB	NYLON
850-0238	HUB LINER (1.415" O.D.) TO REAM FOR 1.25" DIAMETER SPINDLE	DELRIN
850-0072	HUB LINER FOR 1.750" O.D. X 16 GA. (1.640" O.D.) FOR 1" DIAMETER SPINDLE	POLYESTER
850-0073	HUB LINER FOR 2.250" O.D. X 14 GA. (2.095" O.D.) FOR 1" DIAMETER SPINDLE	POLYESTER
850-0074	2.250" O.D. X 11 GA. SEAT POST BUSHING	POLYESTER
850-0093	1.250" SPLIT BUSHING	NYLON
850-0256	1.750" SWIVEL BUSHING	POLYESTER
850-0368	2.500" X 14 GA. SWIVEL BUSHING	NYLON
850-1446	1.750" X 16 GA. SEAT POST BUSHING - SHORT	DELRIN
850-1500	1.500" X 16 GA. SEAT POST BUSHING - SHORT	DELRIN
850-4700	KNEE TILT SPRING BUSHING	NYLON

SPECIFICATIONS

- Standard Colors: Natural, Clear, Black, Gray, White
- Standard Material: See Chart

850 Series

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- Search for specific product by part number or keyword
- Find product information, latest products and news

WWW.WCLCO.COM



SHELF HARDWARE



PART NUMBER	A	B	C	D	E	F	MATERIAL	COLOR
169HE-1080-0000	0.234"	7/16"	1/2"	35/64"	1-1/16"	5/16"	POLYSTYRENE	BEIGE
169HE-1083-0000	1/4"	1/4"	1/2"	35/64"	7/8"	5/16"	POLYSTYRENE	BEIGE

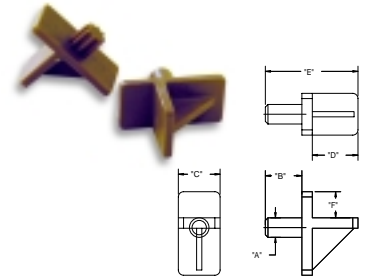
SPECIFICATIONS

- Standard Color: Beige
- Standard Material: Polystyrene

169 Series

Heavy Duty Shelf Supports are designed for heavy loads and will provide years of economical support.

HEAVY DUTY SHELF SUPPORTS



PART NUMBER	A	B	C	D	E	F	MATERIAL	COLOR
169BN-1061-0000	0.234"	11/32"	1/2"	29/64"	27/32"	3/16"	BUTYRATE	CLEAR
169BN-1070-0000	0.250"	13/32"	1/2"	29/64"	29/32"	1/4"	BUTYRATE	CLEAR

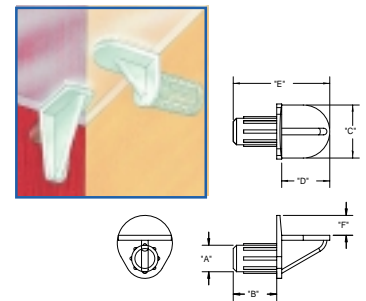
SPECIFICATIONS

- Standard Color: Clear
- Standard Material: Butyrate

169 Series

Light Duty Shelf Supports are designed to accommodate light to medium shelf loads. Manufactured from clear butyrate, these supports are durable and attractive, and can be used in a wide range of shelf configurations.

LIGHT DUTY SHELF SUPPORTS



PART NUMBER	BRACKET THICKNESS	MATERIAL	COLOR
169BN-1100-0000	0.093"	BUTYRATE	CLEAR

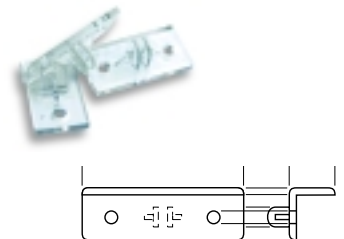
SPECIFICATIONS

- Standard Color: Clear
- Standard Material: Butyrate

169 Series

Glass Shelf Supports clamp on easily to metal brackets. Manufactured from butyrate, shelf supports are glasslike in appearance, as well as stress and impact resistant.

GLASS SHELF SUPPORTS



PART NUMBER	DESCRIPTION	MATERIAL	COLOR
350-0076	1.230 X .765 GLASS CLIP	NYLON	NATURAL
350-0075	1.250 X .750 GLASS CLIP	NYLON	NATURAL
350-0265	1.500 X 1.750 GLASS CLIP	NYLON	NATURAL
350-0385	1.575 X .760 GLASS CLIP	NYLON	NATURAL
350-0077	4.525 X 1.775 LARGE SIGN CLIP	NYLON	NATURAL
350-0182	1.020 X .710 SIGN CLIP	NYLON	NATURAL
350-0119	3.400 X .740 SIGN CLIP	NYLON	NATURAL
350-0151	0.705 X .580 CHANNEL	NYLON	NATURAL
350-0156	0.830 X .405 SUPPORT CLIP	NYLON	NATURAL
350-0157	0.835 X .405 SUPPORT CLIP	NYLON	NATURAL
350-0253	1.550 X .815 GLASS SHELF SUPPORT	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon
- Optional Materials: Kresin, Butyrate, ABS

350 Series

GLASS CLIPS



SHELF HARDWARE

RETAINER CLIPS



PART NUMBER	PANEL THICKNESS	MATERIAL	COLOR
169NN-6010-0000	0.156"	NYLON	NATURAL

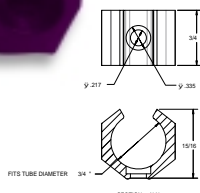
SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*

169 Series

Retainer Clips are an excellent way of retaining panels or screens to an opening in a door. Manufactured from durable nylon, Retainer Clips are an attractive yet economical method of securing a mirror to a wall or as a means of mounting a picture into a frame.

CLIPS FOR METAL TUBING



PART NUMBER	MATERIAL	COLOR
169PB-6520-0000	POLYETHYLENE	BLACK

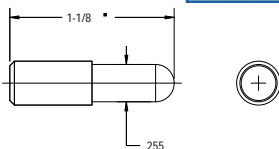
SPECIFICATIONS

- *Standard Color: Black*
- *Standard Material: Polyethylene*

169 Series

Alliance Plastics' TV Tray Clips are ideal for securing trays to metal tubing and other applications where tubing requires clip-fastening.

PLASTIC DOWEL PINS



PART NUMBER	MATERIAL	COLOR
169LN-9020-0000	LINEAR POLYETHYLENE	WHITE

SPECIFICATIONS

- *Standard Color: White*
- *Standard Material: Linear Polyethylene*

169 SERIES

Used as an extension-style leaf tables, this durable plastic pin replaces the traditional wood dowel. Unlike wood, plastic dowels will not expand or contract, and will not warp or loosen. Also, plastic will not chip the leading edge of laminates when leaf is placed into position.

CLOSET POLE HANGERS



PART NUMBER	MATERIAL	COLOR
169HW-7010-0000	POLYSTYRENE	WHITE

SPECIFICATIONS

- *Standard Color: White*
- *Standard Material: Polystyrene*
- *Fits pole size 1.406*
- *Countersunk 0.185" Hole*

169 Series

Closet Pole Hangers are inexpensive alternatives to metal components and are durable enough to withstand heavy loads.

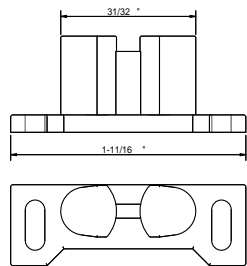
DOOR & WINDOW HARDWARE



PART NUMBER	MATERIAL	COLOR	BOX QTY
169LN-2030-0000	LINEAR POLY	WHITE	2,500

SPECIFICATIONS

- Standard Color: White
- Standard Material: Linear Poly

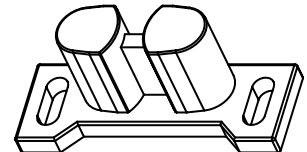


169 Series

Alliance Plastics' Door Catch with Metal Striker matches industry standards for applications requiring an economical, yet durable door catch device. Manufactured from Linear Polyethylene, this component is tough, yet flexible enough to provide excellent contact between the Catch and Metal Striker.

DOOR CATCH WITH METAL STRIKER

DOOR CATCH



PART NUMBER	BOX QTY
27469-2030-1700	2,500

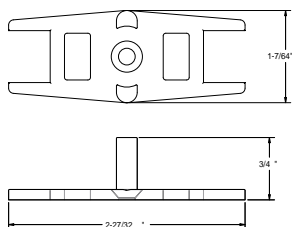
METAL STRIKER



PART NUMBER	MATERIAL	COLOR	BOX QTY
169LN-8001-0000	LINEAR POLY	WHITE	1,000
169LN-8002-0000	LINEAR POLY	WHITE	2,000

SPECIFICATIONS

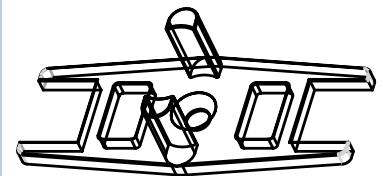
- Standard Color: White
- Standard Material: Linear Poly



169 Series

The Door Guide is designed to act as a guide for sliding closet doors. Manufactured from Linear Polyethylene, this component is rigid enough to ensure that sliding doors stay on track.

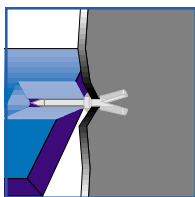
DOOR GUIDE



See our Closet Pole Hangers (page 44) and Stick-on Feet for use as Door Bumpers (page 54) for additional Door and Closet Components.

DOOR & WINDOW HARDWARE

SHUTTER PINS

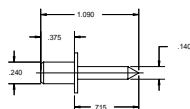


PART NUMBER	OAL X SHAFT LENGTH X SHAFT O.D. X HEAD O.D.
810-0170	1.090 X .175 X .140 X .240 SHUTTER PIN
810-0234	1.130 X .790 X .140 X .240 LOUVER PIN
810-0240	REPLACEMENT FEMALE .340OAL X .250 SHAFT O.D. W/.130 THRU-HOLE
810-0241	REPLACEMENT MALE .750 OAL X .125 SHAFT O.D.
810-0267	1.085 X .655 X .140 X .260 LOUVER PIN
810-0280	1.330 X .570 X .100 X .240 SHUTTER PIN
810-0296	.250 SHUTTER DOWEL PIN 1.115 X .250 O.D.
810-0300	.405 X .210 X .140 X .250 PIVOT PIN
810-0315	NAIL BUSHING .450 OAL X .260 SHAFT O.D. W/.082 THRU-HOLE
810-0352	REPLACEMENT MALE 1.000 OAL X .140 SHAFT O.D.
810-0353	REPLACEMENT FEMALE .550 OAL X .245 SHAFT O.D. W/.140 HOLE
810-0354	.500 X .250 X .140 X .250
810-3001	SLOTTED SHUTTER PIN 1.150 X .685 X .135 X .250

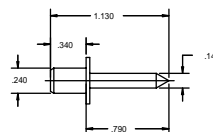
SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*
- *Optional Material: High Density Polyethylene (HDPE)*

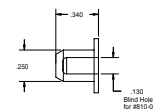
810Series



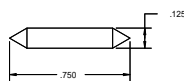
SHUTTER PIN
810-0170



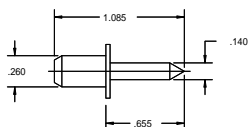
LOUVER PIN
810-0234



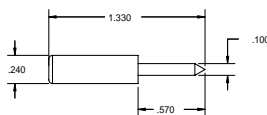
REPLACEMENT FEMALE
810-0240



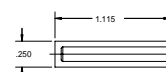
REPLACEMENT MALE
810-0241



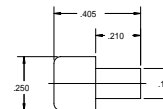
LOUVER PIN
810-0267



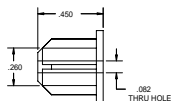
SHUTTER PIN
810-0280



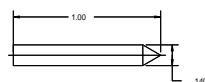
SHUTTER DOWEL PIN
810-0296



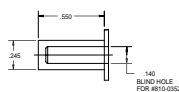
PIVOT PIN
810-0300



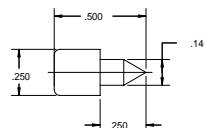
NAIL BUSHING
810-0315



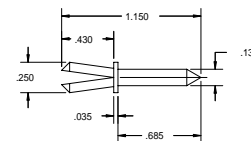
REPLACEMENT MALE
810-0352



REPLACEMENT FEMALE
810-0353



SHUTTER PIN
810-0354



SLOTTED SHUTTER PIN
810-3001



DOOR & WINDOW HARDWARE



PART NUMBER	TOTAL LENGTH	SHAFT LENGTH	SHAFT O.D.	HEAD O.D.	BOX QTY
810-3000M	1.090"	0.725"	0.140"	0.245"	10,000

SPECIFICATIONS

- *Standard Color: White*
- *Standard Material: Nylon*



PART NUMBER	HEAD O.D.	BOX QTY
810-3000F	0.245"	10,000

SPECIFICATIONS

- *Standard Color: White*
- *Standard Material: Nylon*

TENSION SHUTTER PINS



810Series

The Tension Shutter Pin consists of two parts that must be assembled to form the pin. When assembled, the two parts provide sufficient friction to enable far greater control of shutter louvers than is usually possible with a conventional shutter pin.

TENSION PIN - MALE



TENSION PIN - FEMALE



FLANGELESS SHUTTER PIN



SPRING AND RIVET ASSEMBLY



PART NUMBER	TOTAL LENGTH	SHAFT LENGTH	SHAFT O.D.	HEAD O.D.	BOX QTY
810-0245	1.026"	0.646"	0.140"	0.240"	10,000

SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*

810Series

The Flangeless Shutter Pin is used in conjunction with a spring and rivet, which keeps the appropriate tension on the pin, keeping it in place in the louver and frame.



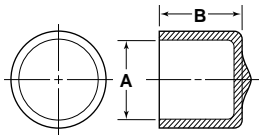
PART NUMBER	BOX QTY
810-0245-SPRING	5,000
810-0245-RIVET	5,000

SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*

DIP MOLDED VINYL PRODUCTS

CAPS



A=TO FIT	LENGTH B=1/2"	LENGTH B=3/4"	LENGTH B=1"	LENGTH B=1-1/4"	LENGTH B=1-1/2"
1/16"	DM-0062-1/2	DM-0062-3/4	DM-0062-1	DM-0062-1-1/4	DM-0062-1-1/2
5/64"	DM-0080-1/2	DM-0080-3/4	DM-0080-1	DM-0080-1-1/4	DM-0080-1-1/2
3/32"	DM-0093-1/2	DM-0093-3/4	DM-0093-1	DM-0093-1-1/4	DM-0093-1-1/2
7/64"	DM-0110-1/2	DM-0110-3/4	DM-0110-1	DM-0110-1-1/4	DM-0110-1-1/2
1/8"	DM-0125-1/2	DM-0125-3/4	DM-0125-1	DM-0125-1-1/4	DM-0125-1-1/2
9/64"	DM-0140-1/2	DM-0140-3/4	DM-0140-1	DM-0140-1-1/4	DM-0140-1-1/2
5/32"	DM-0156-1/2	DM-0156-3/4	DM-0156-1	DM-0156-1-1/4	DM-0156-1-1/2
11/64"	DM-0172-1/2	DM-0172-3/4	DM-0172-1	DM-0172-1-1/4	DM-0172-1-1/2
3/16"	DM-0187-1/2	DM-0187-3/4	DM-0187-1	DM-0187-1-1/4	DM-0187-1-1/2
13/64"	DM-0207-1/2	DM-0207-3/4	DM-0207-1	DM-0207-1-1/4	DM-0207-1-1/2
15/64"	DM-0234-1/2	DM-0234-3/4	DM-0234-1	DM-0234-1-1/4	DM-0234-1-1/2
1/4"	DM-0240-1/2	DM-0240-3/4	DM-0240-1	DM-0240-1-1/4	DM-0240-1-1/2
1/4"	DM-0250-1/2	DM-0250-3/4	DM-0250-1	DM-0250-1-1/4	DM-0250-1-1/2
9/32"	DM-0281-1/2	DM-0281-3/4	DM-0281-1	DM-0281-1-1/4	DM-0281-1-1/2
5/16"	DM-0313-1/2	DM-0313-3/4	DM-0313-1	DM-0313-1-1/4	DM-0313-1-1/2
11/32"	DM-0343-1/2	DM-0343-3/4	DM-0343-1	DM-0343-1-1/4	DM-0343-1-1/2
23/64"	DM-0360-1/2	DM-0360-3/4	DM-0360-1	DM-0360-1-1/4	DM-0360-1-1/2
3/8"	DM-0375-1/2	DM-0375-3/4	DM-0375-1	DM-0375-1-1/4	DM-0375-1-1/2
13/32"	DM-0406-1/2	DM-0406-3/4	DM-0406-1	DM-0406-1-1/4	DM-0406-1-1/2
7/16"	DM-0437-1/2	DM-0437-3/4	DM-0437-1	DM-0437-1-1/4	DM-0437-1-1/2
12MM	DM-0470-1/2	DM-0470-3/4	DM-0470-1	DM-0470-1-1/4	DM-0470-1-1/2
1/2"	DM-0500-1/2	DM-0500-3/4	DM-0500-1	DM-0500-1-1/4	DM-0500-1-1/2
17/32"	DM-0523-1/2	DM-0523-3/4	DM-0523-1	DM-0523-1-1/4	DM-0523-1-1/2
17/32"	DM-0531-1/2	DM-0531-3/4	DM-0531-1	DM-0531-1-1/4	DM-0531-1-1/2
35/64"	DM-0544-1/2	DM-0544-3/4	DM-0544-1	DM-0544-1-1/4	DM-0544-1-1/2
9/16"	DM-0562-1/2	DM-0562-3/4	DM-0562-1	DM-0562-1-1/4	DM-0562-1-1/2
5/8"	DM-0625-1/2	DM-0625-3/4	DM-0625-1	DM-0625-1-1/4	DM-0625-1-1/2
11/16"	DM-0677-1/2	DM-0677-3/4	DM-0677-1	DM-0677-1-1/4	DM-0677-1-1/2
11/16"	DM-0687-1/2	DM-0687-3/4	DM-0687-1	DM-0687-1-1/4	DM-0687-1-1/2
3/4"	DM-0750-1/2	DM-0750-3/4	DM-0750-1	DM-0750-1-1/4	DM-0750-1-1/2
13/16"	DM-0812-1/2	DM-0812-3/4	DM-0812-1	DM-0812-1-1/4	DM-0812-1-1/2
27/32"	DM-0843-1/2	DM-0843-3/4	DM-0843-1	DM-0843-1-1/4	DM-0843-1-1/2
7/8"	DM-0875-1/2	DM-0875-3/4	DM-0875-1	DM-0875-1-1/4	DM-0875-1-1/2
15/16"	DM-0937-1/2	DM-0937-3/4	DM-0937-1	DM-0937-1-1/4	DM-0937-1-1/2
1"	DM-1000-1/2	DM-1000-3/4	DM-1000-1	DM-1000-1-1/4	DM-1000-1-1/2
1-1/16"	DM-1062-1/2	DM-1062-3/4	DM-1062-1	DM-1062-1-1/4	DM-1062-1-1/2
1-1/8"	DM-1125-1/2	DM-1125-3/4	DM-1125-1	DM-1125-1-1/4	DM-1125-1-1/2
1-3/16"	DM-1187-1/2	DM-1187-3/4	DM-1187-1	DM-1187-1-1/4	DM-1187-1-1/2
1-1/4"	DM-1250-1/2	DM-1250-3/4	DM-1250-1	DM-1250-1-1/4	DM-1250-1-1/2
1-3/8"	DM-1375-1/2	DM-1375-3/4	DM-1375-1	DM-1375-1-1/4	DM-1375-1-1/2
1-1/2"	DM-1500-1/2	DM-1500-3/4	DM-1500-1	DM-1500-1-1/4	DM-1500-1-1/2
1-5/8"	DM-1625-1/2	DM-1625-3/4	DM-1625-1	DM-1625-1-1/4	DM-1625-1-1/2
1-3/4"	DM-1750-1/2	DM-1750-3/4	DM-1750-1	DM-1750-1-1/4	DM-1750-1-1/2
1-7/8"	DM-1875-1/2	DM-1875-3/4	DM-1875-1	DM-1875-1-1/4	DM-1875-1-1/2
2"	DM-2000-1/2	DM-2000-3/4	DM-2000-1	DM-2000-1-1/4	DM-2000-1-1/2
2-1/8"	DM-2125-1/2	DM-2125-3/4	DM-2125-1	DM-2125-1-1/4	DM-2125-1-1/2
2-1/4"	DM-2250-1/2	DM-2250-3/4	DM-2250-1	DM-2250-1-1/4	DM-2250-1-1/2
2-1/2"	DM-2500-1/2	DM-2500-3/4	DM-2500-1	DM-2500-1-1/4	DM-2500-1-1/2
3"	DM-3000-1/2	DM-3000-3/4	DM-3000-1	DM-3000-1-1/4	DM-3000-1-1/2

Max length: Dip lengths are available up to 12"; certain tools however may be limited to length.

SPECIFICATIONS - STANDARD CAPS

- Standard Color: Black
- Standard Material: Vinyl (PVC)
- Temperature Range: Up to 350°F

SPECIFICATIONS - HIGH-TEMP. CAPS

- Standard Color: Yellow
- Standard Material: High Temperature Vinyl (PVC)
- Temperature Range: Up to 450°F
- To order High Temperature items, add "H" suffix to the Part Number
(Example: DM0187-1/2H)

DM Series

Provides a low-cost solution for a variety of user applications as protectors for tubing, threaded parts, and as covers for bolts and screws. Widely used as masks for painting, plating, shot blasting and powder coating processes. Available in standard or high-temperature material. Flexible design can stretch onto slightly larger dimensions for a snug fit without tearing, splitting or shredding. Available in custom sizes, alternate colors, and optional lengths if sizes shown are not applicable.



DIP MOLDED VINYL PRODUCTS



A=TO FIT	LENGTH B=1/2"	LENGTH B=1"	MAX LENGTH
1/2"	DMSQ-0500-1/2	DMSQ-0500-1	AVAILABLE IN CUSTOM LENGTHS UP TO 5-3/4"
3/4"	DMSQ-0750-1/2	DMSQ-0750-1	
1"	DMSQ-1000-1/2	DMSQ-1000-1	
1-1/4"	DMSQ-1250-1/2	DMSQ-1250-1	
1-1/2"	DMSQ-1500-1/2	DMSQ-1500-1	
2"	DMSQ-2000-1/2	DMSQ-2000-1	

SPECIFICATIONS - STANDARD CAPS

- Standard Color: Black
- Standard Material: Vinyl (PVC)
- Temperature Range: Up to 350°F

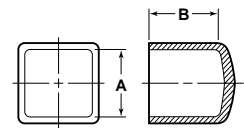
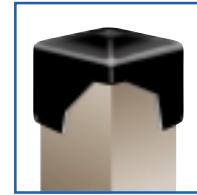
SPECIFICATIONS - HIGH-TEMPERATURE CAPS

- Standard Color: Yellow
- Standard Material: High-Temperature Vinyl (PVC)
- Temperature Range: Up to 450°F
- To order High Temperature items, add "H" suffix to the Part Number (Example: DMSQ0500-1/2H)

DMSQ Series

Designed to fit most popular sizes of square tubular steel. Material flexibility allows stretching to fit normal tube diameter variations. A durable, glossy finish makes this part ideal for use as decorative end cap. Available in custom sizes, alternate colors and optional lengths if sizes shown are not applicable.

SQUARE CAPS



VGRD Series (ROUND)

PART NUMBER	"A" INSIDE DIAMETER		"B" INSIDE LENGTH	WALL THICKNESS STANDARD		WALL THICKNESS TEXTURED	
	IN.	MM		IN.	MM	IN.	MM
VGRD-0687-	0.687	17.45	AVAILABLE IN CUSTOM LENGTHS UP TO 12".	0.085	2.16	0.11	2.79
VGRD-0750-	0.750	19.05		0.085	2.16	0.11	2.79
VGRD-0812-	0.812	20.62		0.085	2.16	0.11	2.79
VGRD-0843-	0.843	21.41		0.085	2.16	0.11	2.79
VGRD-0875-	0.875	22.23		0.085	2.16	0.11	2.79
VGRD-0937-	0.937	23.80		0.085	2.16	0.11	2.79
VGRD-1000-	1.000	25.40		0.085	2.16	0.11	2.79
VGRD-1062-	1.062	26.97		0.085	2.16	0.11	2.79
VGRD-1125-	1.125	28.58		0.085	2.16	0.11	2.79
VGRD-1187-	1.187	30.15		0.085	2.16	0.11	2.79
VGRD-1250-	1.250	31.75		0.085	2.16	0.11	2.79
VGRD-1375-	1.375	34.93		0.085	2.16	0.11	2.79
VGRD-1500-	1.500	38.10		0.085	2.16	0.11	2.79
VGRD-1625-	1.625	41.28		0.085	2.16	0.11	2.79
VGRD-1750-	1.750	44.45		0.085	2.16	0.11	2.79
VGRD-1875-	1.875	47.63		0.085	2.16	0.11	2.79
VGRD-2000-	2.000	50.80		0.085	2.16	0.11	2.79

When ordering STANDARD Material, add the "S" suffix after specifying desired length (Example: VGRD0687-xxxS).
When ordering TEXTURED Material, add the "T" suffix after specifying desired length (Example: VGRD0687-xxxT).
All grips are available in Standard or Textured Vinyl.

SPECIFICATIONS — STANDARD GRIPS

- Standard Color: Black
- Standard Material: Vinyl (PVC)
- Optional colors are available; consult factory

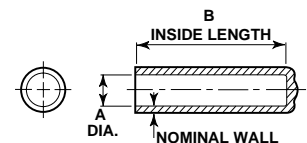
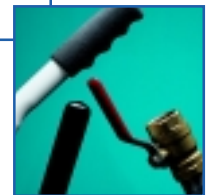
SPECIFICATIONS — TEXTURED GRIPS

- Standard Color: Black
- Standard Material: Textured PVC
- Optional colors are available; consult factory

VG, VGN, VGRD Series

Alliance Plastics offers an ample variety of the most commonly used grip styles:
The VG Series Rectangular Grips and the VGRD Series Round Grips are used for numerous applications throughout many industries as ball valve handle covers, insulators, tubing end protectors and grips for tools, to name a few. The VGN Series Nubbed grips are ideal for applications requiring a uniform finger grasp. The lengths of all our Grips are customized to your specific requirements.

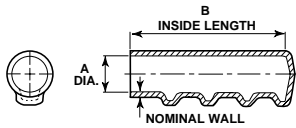
GRIPS



800-331-3816

www.wclco.com

DIP MOLDED VINYL PRODUCTS



VGN Series (NUBBED)

PART NUMBER	"A" INSIDE DIAMETER		"B" INSIDE LENGTH	WALL THICKNESS STANDARD		WALL THICKNESS TEXTURED	
	IN.	MM		IN.	MM	IN.	MM
VGN-0750-	0.723	18.36	AVAILABLE IN CUSTOM LENGTHS UP TO 6"	0.085	2.16	0.11	2.79
VGN-0875-	0.844	21.44		0.085	2.16	0.11	2.79
VGN-1000-	0.965	24.51		0.085	2.16	0.11	2.79

When ordering STANDARD Material, add the "S" suffix after specifying desired length (Example: VGN-0750xxxS).
 When ordering TEXTURED Material, add the "T" suffix after specifying desired length (Example: VGN-0750xxxT).

SPECIFICATIONS — STANDARD GRIPS

- Standard Color: Black
- Standard Material: Vinyl (PVC)
- Optional colors are available; consult factory

SPECIFICATIONS — TEXTURED GRIPS

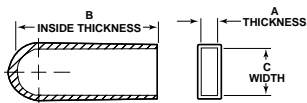
- Standard Color: Black
- Standard Material: Textured PVC
- Optional colors are available; consult factory

VGN Series (NUBBED)

The VGN Series Nubbled Grips are ideal for applications requiring a uniform finger grasp. The lengths of all our Grips are customized to your specific requirements.



VG Series (RECTANGULAR)



PART NUMBER	"A" INSIDE DIAMETER		"C" INSIDE WIDTH		"B" STANDARD INSIDE LENGTH	STANDARD WALL THICKNESS	
	IN.	MM	IN.	MM		IN.	MM
VG-1250500-	0.125	3.18	0.500	12.70	4.375*	0.07	1.780
VG-1250750-	0.125	3.18	0.750	19.05	4.375*	0.07	1.780
VG-1251000-	0.125	3.18	0.100	25.40	4.375*	0.07	1.780
VG-1870500-	0.187	4.76	0.500	12.70	4.375*	0.07	1.780
VG-2500750-	0.250	6.35	0.750	19.05	3.375*	0.07	1.780
VG-2501000-	0.250	6.35	1.000	24.40	4.375*	0.07	1.780
VG-2501250-	0.250	6.35	1.250	31.75	4.375*	0.07	1.780

*Dip lengths are available up to 8"; certain tools, however, may be limited to length.
 When ordering ROUND END, add the "R" suffix after specifying desired length (Example: VG-1250500xxxR).
 When ordering FLAT END, add the "F" suffix after specifying desired length (Example: VG-1250500xxxF).

SPECIFICATIONS — STANDARD GRIPS

- Standard Color: Black
- Standard Material: Vinyl (PVC)
- Optional colors are available; consult factory

SPECIFICATIONS — TEXTURED GRIPS

- Standard Color: Black
- Standard Material: Textured PVC
- Optional colors are available; consult factory

VG Series (RECTANGULAR)

The VG Series Rectangular Grips are used for numerous applications throughout many industries as ball valve handle covers, insulators, tubing end protectors and grips for tools, to name a few. The lengths of all our Grips are customized to your specific requirements.



REDUCERS, ADJUSTERS, COLLARS & CONNECTORS



PART NUMBER	TUBE O.D. (INCHES)	HOLE SIZE (INCHES)	MATERIAL	COLOR
140PB-1001-0000	0.750	0.680	LDPE	BLACK
202-1009	0.875	0.750	LDPE	GREY
140PB-1008-0000	1.000	0.875	LDPE	BLACK
202-1015	1.000	0.875	LDPE	GREY
202-1019	1.125	1.000	LDPE	GREY
202-1025	1.750	1.500	LDPE	GREY

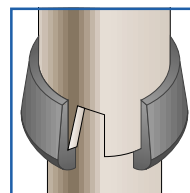
SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: LDPE

140/202 Series

Used for telescoping tubing.

REDUCERS



PART NUMBER	FITS TUBE SIZE	MATERIAL	COLOR
TUA-6275	5/8" TO 3/4"	NYLON	NATURAL
TUA-7587	3/4" TO 7/8"	NYLON	NATURAL
TUA-1087	1" TO 7/8"	NYLON	NATURAL

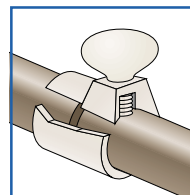
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

TUA Series

Designed for use with telescopic tubes.

TUBE ADJUSTERS



PART NUMBER	TUBE O.D. SIZE	MATERIAL	COLOR
605-0289	0.82" SPLIT COLLAR	NYLON	NATURAL
605-0288	1" SPLIT COLLAR	NYLON	NATURAL

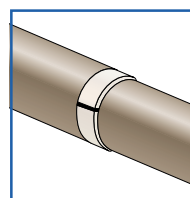
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

605 Series

Designed as a silencer used in the medical industry.

SPLIT COLLARS



REDUCERS, ADJUSTERS, COLLARS & CONNECTORS

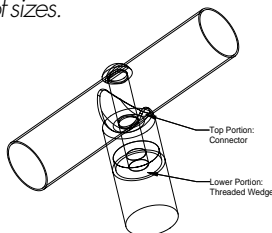
ROUND-TO-ROUND TUBE CONNECTORS



PART NUMBER	WEDGE PART NO.	TUBE SIZE	TUBE GAUGE	MATERIAL	COLOR
139NN-0143-0000	139NN-0142-0000	3/4"	18	NYLON	NATURAL
750-1118	-	3/4"	18	NYLON	NATURAL
139NN-0299-0000	139NN-0300-0000	1"	16	NYLON	NATURAL
139NN-0281-0000	139NN-0282-0000	1"	18	NYLON	NATURAL
750-1230	-	1"	20	NYLON	NATURAL
139NN-0304-0000	139NN-0303-0000	1"	20	NYLON	NATURAL
139NN-0354-0000	139NN-0353-0000	1-1/2"	16	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Butyrate
- Available with threaded wedges in a variety of sizes.



139/750 Series

Plastic tube connectors for round or square tubing are a unique, low-cost fastening concept rigidly joining tubing to tubing or to wood. Plastic tube connectors eliminate the cost of welding. Tube connectors are designed for easy consumer assembly, and are used primarily for display racks, serving carts, TV stands, and other tubular products.



SQUARE-TO-ROUND TUBE CONNECTORS



PART NUMBER	WEDGE PART NO.	TUBE SIZE	TUBE GAUGE	MATERIAL	COLOR
139NN-0505-0000	139NN-0300-0000	1"	16	NYLON	NATURAL
139NN-0285-0000	139NN-0282-0000	1"	18	NYLON	NATURAL

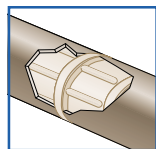
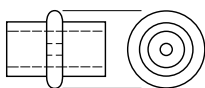
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon
- Available with threaded wedges in a variety of sizes.

139 Series

Plastic tube connectors for round or square tubing are a unique, low-cost fastening concept rigidly joining tubing to tubing or to wood. Plastic tube connectors eliminate the cost of welding. Tube connectors are designed for easy consumer assembly, and are used primarily for display racks, serving carts, TV stands, and other tubular products.

STRAIGHT TUBE CONNECTORS



PART NUMBER	TUBE SIZE	GAUGE	MATERIAL	COLOR
750-1130	3/4"	20	NYLON	NATURAL
750-0875	7/8"	-	NYLON	NATURAL
750-1228	1"	18	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon
- Optional Materials: Kresin, Butyrate, ABS

750 Series

Secures two tube ends.



REDUCERS, ADJUSTERS, COLLARS & CONNECTORS



PART NUMBER	TUBE SIZE	GAUGE	MATERIAL	COLOR
750-0750	3/4"	16	NYLON	NATURAL

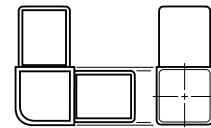
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

750 Series

For securing two square tubes at a 90° angle.

ANGLED TUBE CONNECTORS



PART NUMBER	STYLE	TUBE SIZE	MATERIAL	COLOR
750-0750	2-WAY	3/4"	NYLON	NATURAL
MWTC-2	2-WAY	1"	ABS	BLACK
MWTC-3	3-WAY	1"	ABS	BLACK
MWTC-4	4-WAY	1"	ABS	BLACK
MWTC-5	5-WAY	1"	ABS	BLACK

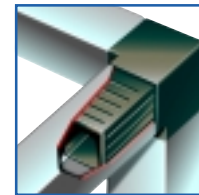
SPECIFICATIONS

- Standard Color: Black
- Standard Material: See Chart

MWTC Series

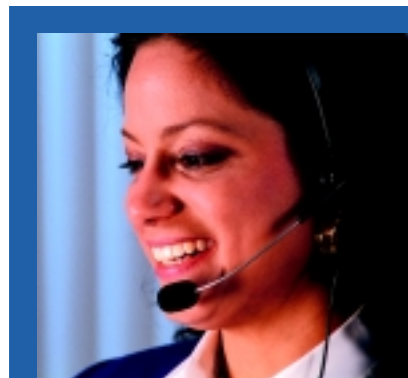
Multi-way connectors connect square tubing and are ribbed for a secure fit with chamfered edges for easy fit. Applications include: work benches, display cabinets, frames, and furniture.

MULTI-WAY CONNECTORS



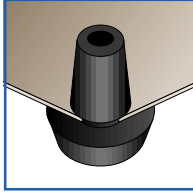
LET US HELP YOU...

- Solid, dependable and friendly customer service.
- Personal attention to detail.
- Knowledgeable sales team.
- Cost effective solutions to your particular applications.



FEET, ROLLERS & HANDWHEELS

GROMMET FEET



PART NUMBER	TYPE	DIMENSIONS					BOX QTY
		A	B	C	D	E	
GRF-16010	1	0.606"	0.386"	0.500"	0.063"	0.106"	10,000
GRF-17409	1	0.748"	0.472"	0.516"	0.063"	0.094"	10,000
GRF-17412	1	0.748"	0.500"	0.625"	0.063"	0.125"	7,000
GRF-24006	2	0.406"	0.189"	0.280"	0.063"	0.079"	5,000
GRF-33106	3	0.311"	0.125"	0.165"	0.125"	0.063"	10,000
GRF-33109	3	0.311"	0.157"	0.228"	0.063"	0.094"	10,000
GRF-45050	4	0.500"	0.374"	0.484"	0.063"	0.500"	10,000
GRF-54131	5	0.417"	0.264"	0.272"	0.028"	0.319"	10,000
GRF-64718	6	0.472"	0.236"	0.244"	0.083"	0.181"	10,000
GRF-65919	6	0.590"	0.236"	0.256"	0.059"	0.197"	10,000
GRF-79815	7	0.984"	0.472"	0.590"	0.197"	0.157"	2,000
GRF-86713	8	0.670"	0.437"	0.095"	0.138"	0.157"	10,000



Type 1



Type 2



Type 3



Type 4



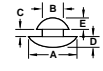
Type 5



Type 6



Type 7



Type 8

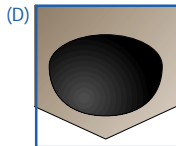
SPECIFICATIONS:

- Standard Color: Black
- Standard Material: PVC
- Optional Material(s): Nylon, Thermoplastic Rubber (TPR)

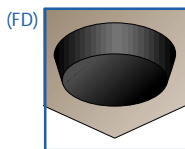
GRF Series

Designed for use on metal or plastic housings and cases; simply push into punched or drilled holes.

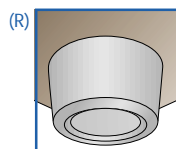
STICK-ON FEET DOMED



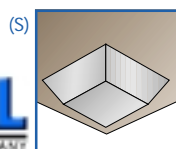
STICK-ON FEET FLAT



STICK-ON FEET ROUND



STICK-ON FEET SQUARE



PART NUMBER	TYPE	DIMENSIONS		COLOR	BOX QTY
		HEIGHT	BASE DIA.		
STF-12044-B	D	0.200"	0.440"	BLACK	3,000
STF-12044-T	D	0.200"	0.440"	TRANSPARENT	3,000
STF-13163-W	D	0.310"	0.630"	WHITE	1,000
STF-13875-B	D	0.380"	0.750"	BLACK	1,000
STF-20831-T	FD	0.085"	0.312"	TRANSPARENT	3,000
STF-21450-B	FD	0.140"	0.500"	BLACK	3,000
STF-21450-T	FD	0.140"	0.500"	TRANSPARENT	3,000
STF-34088-G	R	0.400"	0.880"	GRAY	1,000
STF-41040-B	S	0.100"	0.400"	BLACK	3,000
STF-41250-B	S	0.120"	0.500"	BLACK	3,000
STF-42350-B	S	0.230"	0.500"	BLACK	3,000
STF-43081-W	S	0.300"	0.810"	WHITE	1,000

SPECIFICATIONS

- Standard Color: See chart for color listing by Part Number; consult factory for optional colors; minimum order requirements apply
- Standard Material: Polyurethane
- To obtain maximum adhesion, surface should be smooth, clean and dry

STF Series

Used as feet for a variety of products or as door buffers in the furniture industry; self adhesive backing.



FEET, ROLLERS & HANDWHEELS

PART NUMBER	TUBE O.D.	PEG DIAMETER	BOX QTY	MATERIAL	COLOR
SDF-07-1/4	0.750"	0.250"	2,500	LOW DENSITY POLYETHYLENE	BLACK
SDF-08-10-1/4	0.875" AND 1"	0.250"	2,000	LOW DENSITY POLYETHYLENE	BLACK

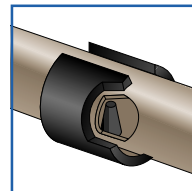
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene

SDF Series

For use on horizontal tubing.

SADDLE FEET



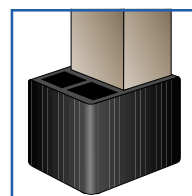
PART NUMBER	TUBE O.D.	BOX QTY	MATERIAL	COLOR
ROUND STAND-OFF FEET				
SOF-10-12RD	1" X 12 GA"	1,000	LOW DENSITY POLYETHYLENE	BLACK
SQUARE STAND-OFF FEET				
SOF-10-SQ	1"	500	LOW DENSITY POLYETHYLENE	BLACK
RECTANGULAR STAND-OFF FEET				
SOF-1507-RC	1.5" X .750"	1,000	LOW DENSITY POLYETHYLENE	BLACK
SOF-2010-RC	2" X 1"	500	LOW DENSITY POLYETHYLENE	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene

SOF Series

STAND-OFF FEET



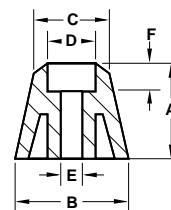
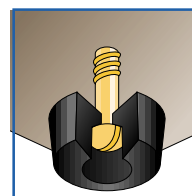
PART NO.	DIMENSIONS						BOX QTY	MATERIAL	COLOR
	A	B	C	D	E	F			
SCF-02862	0.280"	0.625"	0.531"	0.311"	0.125"	0.157"	10,000	LOW DEN. POLY.	BLACK
SCF-03759	0.374"	0.595"	0.595"	0.252"	0.157"	0.220"	10,000	LOW DEN. POLY.	BLACK
SCF-03768	0.374"	0.689"	0.689"	0.311"	0.157"	0.204"	7,000	LOW DEN. POLY.	BLACK
SCF-04476	0.445"	0.760"	0.708"	0.295"	0.125"	0.311"	5,000	LOW DEN. POLY.	BLACK
SCF-04678	0.469"	0.780"	0.716"	0.374"	0.185"	0.248"	5,000	LOW DEN. POLY.	BLACK
SCF-06274	0.625"	0.748"	0.500"	0.311"	0.157"	0.189"	5,000	LOW DEN. POLY.	BLACK
SCF-06871	0.689"	0.716"	0.9A"	0.311"	0.189"	0.311"	4,000	LOW DEN. POLY.	BLACK
SCF-10087	1.000"	0.874"	0.500"	0.342"	0.157"	0.563"	3,000	LOW DEN. POLY.	BLACK

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Low Density Polyethylene
- Optional Material: Thermoplastic Rubber; recommended where slip resistance is required

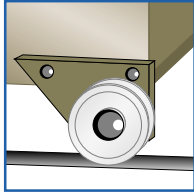
SCF Series

SCREW-ON FEET



FEET, ROLLERS & HANDWHEELS

ROLLERS & WHEELS



PART NUMBER	DESCRIPTION	STANDARD MATERIAL	COLOR
610-0140	.880" ROLLER	NYLON	NATURAL
610-0311	.935" ROLLER	DELRIN	NATURAL
610-0372	1" ROLLER	NYLON	NATURAL
610-0496	.685" WHEEL	NYLON	NATURAL
610-0715	1" WHEEL	HDPE	NATURAL

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: See Chart
- Please sample for application

610 Series

Used widely in sliding doors and drawers.

PREMIUM HANDWHEELS

MALE (TYPE 1)



PART NUMBER	HANDWHEEL DIAMETER (MM)	MALE THREAD SIZE	STUD LENGTH (MM)	BOX QTY
PMH-460561	50.0	M8	25.0	100
PMH-460562	60.0	M10	30.0	100
PMH-460563	80.0	M12	40.0	100

FEMALE (TYPE 1)



PART NUMBER	HANDWHEEL DIAMETER (MM)	MALE THREAD SIZE	BOX QTY
PMH-460558	50.0	M8	100
PMH-460559	60.0	M10	100
PMH-460560	80.0	M12	100

THREADED RIGHT THROUGH (TYPE 2)



PART NUMBER	HANDWHEEL DIAMETER (MM)	MALE THREAD SIZE	BOX QTY
PMH-460564	50.0	M8	100
PMH-460565	60.0	M10	100
PMH-460566	80.0	M12	100

SPECIFICATIONS

- Standard Color: Black
- Standard Material: Phenolic

PMH Series

- High-quality handwheel with attractive gloss finish.
- Durable and strong.
- Temperature range from -22°F to +284°F.
- Type 1 - Female has aluminum.
- Type 1 - Male has plated steel stud.
- Type 2 - Threaded right through.



FEET, ROLLERS & HANDWHEELS



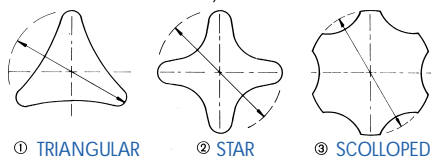
PART NUMBER	TYPE	HANDWHEEL DIAMETER (MM)	MALE THREAD SIZE	STUD LENGTH (MM)	BOX QTY
MH-31100	1	40.0	M6	20	1,000
MH-34723	1	40.0	M6	35	1,000
MH-34700	1	40.0	M8	15	1,000
MH-31102	1	40.0	M8	20	1,000
MH-34701	1	40.0	M8	25	1,000
MH-34724	1	40.0	M8	35	500
MH-39172	1	60.0	M8	15	500
MH-31104	1	60.0	M8	20	500
MH-34702	1	60.0	M8	30	500
MH-34725	1	60.0	M8	40	500
MH-31106	2	40.0	M6	20	1,000
MH-34726	2	40.0	M6	35	1,000
MH-34703	2	40.0	M8	15	1,000
MH-31108	2	40.0	M8	20	1,000
MH-34705	2	40.0	M8	25	1,000
MH-34727	2	40.0	M8	35	1,000
MH-31110	2	60.0	M8	20	500
MH-34728	2	60.0	M8	40	500
MH-31112	3	40.0	M6	20	1,000
MH-34729	3	40.0	M6	35	1,000
MH-34706	3	40.0	M8	15	1,000
MH-31114	3	40.0	M8	20	1,000
MH-34707	3	40.0	M8	25	1,000
MH-34730	3	40.0	M8	35	1,000
MH-31116	3	60.0	M8	20	500
MH-34731	3	60.0	M8	40	500

HANDWHEELS MALE STANDARD



SPECIFICATIONS

- Standard Color: Black
- Standard Material: Nylon



① TRIANGULAR ② STAR ③ SCALLOPED

MH Series

- 3 types to suit specific requirements.
- High quality.
- Strong and durable.
- Zinc-plated mild steel studs and inserts.
- Molded in studs and inserts for maximum strength.



PART NUMBER	TYPE	HANDWHEEL DIAMETER (MM)	FEMALE THREAD SIZE	BOX QTY
MH-31101	1	40.0	M6	1,000
MH-31103	1	40.0	M8	1,000
MH-31105	1	60.0	M8	500
MH-31107	2	40.0	M6	1,000
MH-31109	2	40.0	M8	1,000
MH-31111	2	60.0	M8	500
MH-31113	3	40.0	M6	1,000
MH-31115	3	40.0	M8	1,000
MH-31117	3	60.0	M8	500

FEMALE STANDARD



SPECIFICATIONS

- Standard Color: Black
- Standard Material: Polypropylene



PART NUMBER	TYPE	HANDWHEEL DIAMETER (MM)	FEMALE THREAD SIZE	BOX QTY
MH-10822	1	45.0	M6	1,000
MH-10823	3	50.0	M6	1,000
MH-10829	3	50.0	M8	1,000

FEMALE LIGHTWEIGHT



SPECIFICATIONS

- Standard Color: Black
- Standard Material: Polypropylene
- For general applications.
- Simple to use by inserting an M6 or M8 bolt into head (not supplied).

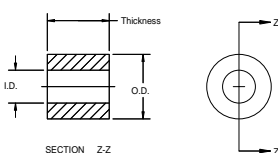
800-331-3816

www.wclco.com

SPACERS, WASHERS & BUSHINGS



SPACERS & WASHERS



SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

Alliance Plastics manufactures a wide range of spacer & washer sizes for general use to prevent friction and damage to contact surfaces. Alliance Plastics' injection molded spacers & washers are maintained to exacting tolerances and minimize vibration, to reduce noise, and to absorb shock loads. Unlike metal spacers & washers, they require little lubrication and will not rust, corrode or deteriorate.

PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167BB-0475-0000	0.052	0.875	0.062			BUTYRATE	BLACK
167LN-0442-0000	0.070	0.312	0.188			LINEAR POLY	WHITE
NW250090032	0.090	0.250	0.032	2	15,000	NYLON	NATURAL
NW250090093	0.090	0.250	0.093	2	7,000	NYLON	NATURAL
NW250090125	0.090	0.250	0.125	2	5,000	NYLON	NATURAL
NSP-55	0.091	0.250	0.500	2	2,500	NYLON	NATURAL
167NN-0334-0000	0.096	0.295	0.062	2		NYLON	NATURAL
167NN-0322-0000	0.109	0.250	0.750	2		NYLON	NATURAL
NSP-2	0.115	0.188	0.125	4	3,000	NYLON	NATURAL
NSP-4	0.115	0.188	0.188	4	3,000	NYLON	NATURAL
NSP-6	0.115	0.188	0.250	4	3,000	NYLON	NATURAL
NSP-14	0.115	0.188	0.500	4	3,000	NYLON	NATURAL
NSP-22	0.115	0.188	0.750	4	3,000	NYLON	NATURAL
NSP-30	0.115	0.188	1.000	4	2,500	NYLON	NATURAL
NSP-32	0.115	0.250	0.125	4	3,000	NYLON	NATURAL
NSP-40	0.115	0.250	0.250	4	3,000	NYLON	NATURAL
NSP-56	0.115	0.250	0.500	4	3,000	NYLON	NATURAL
NSP-72	0.115	0.250	0.750	4	2,500	NYLON	NATURAL
NSP-88	0.115	0.250	1.000	4	2,500	NYLON	NATURAL
NW250115032	0.115	0.250	0.032	4	15,000	NYLON	NATURAL
NW250115062	0.115	0.250	0.062	4	10,000	NYLON	NATURAL
NW250115093	0.115	0.250	0.093	4	7,000	NYLON	NATURAL
NW250115125	0.115	0.250	0.125	4	5,000	NYLON	NATURAL
NSP-91	0.115	0.313	0.125	4	3,000	NYLON	NATURAL
NSP-99	0.115	0.313	0.250	4	3,000	NYLON	NATURAL
NSP-115	0.115	0.313	0.500	4	2,500	NYLON	NATURAL
NSP-131	0.115	0.313	0.750	4	2,500	NYLON	NATURAL
NSP-147	0.115	0.313	1.000	4	2,000	NYLON	NATURAL
167NN-0444-0000	0.125	0.250	0.375	4		NYLON	NATURAL
167NN-0656-0000	0.125	0.305	0.500	4		NYLON	NATURAL
167NN-0449-0000	0.125	0.312	0.359	4		NYLON	NATURAL
167NN-2043-0000	0.127	0.250	0.134	4		NYLON	NATURAL
167LN-2525-0000	0.127	0.372	0.375	4		LINEAR POLY	WHITE
167PB-2525-0000	0.127	0.375	0.375	4		POLYETHYLENE	BLACK
167-NN-0649-0000	0.128	0.500	0.035	4		NYLON	NATURAL
167-NN-0461-0000	0.129	0.419	0.225	4		NYLON	NATURAL
167-NN-0524-0000	0.129	0.419	0.500	4		NYLON	NATURAL
167-LN-0575-0000	0.129	0.437	0.375	4		LINEAR POLY	WHITE
167NN-0525-0000	0.130	0.312	0.437	4		NYLON	NATURAL
167NN-0597-0000	0.135	0.250	0.031	4		NYLON	NATURAL
NSP-33	0.140	0.250	0.125	6	3,000	NYLON	NATURAL
NSP-37	0.140	0.250	0.188	6	3,000	NYLON	NATURAL
167NN-0508-0000	0.140	0.250	0.375	6		NYLON	NATURAL
NW312140032	0.140	0.312	0.032	6	15,000	NYLON	NATURAL
NW312140062	0.140	0.312	0.062	6	10,000	NYLON	NATURAL
NW312140093	0.140	0.312	0.093	6	5,000	NYLON	NATURAL
NW312140125	0.140	0.312	0.125	6	5,000	NYLON	NATURAL
167LN-0430-0000	0.156	0.312	0.625	6		LINEAR POLY	WHITE
167-NN-0677-0000	0.165	0.500	0.187	6		NYLON	NATURAL
167-LN-0591-0000	0.166	0.437	1.000	6		LINEAR POLY	WHITE
167-NN-0591-0000	0.166	0.437	1.000	6		NYLON	NATURAL
167-NN-0319-0000	0.166	0.438	1.250	6		NYLON	NATURAL
NSP-125	0.171	0.313	0.625	8	2,500	NYLON	NATURAL
NSP-159	0.171	0.375	0.125	8	3,000	NYLON	NATURAL
NSP-165	0.171	0.375	0.250	8	3,000	NYLON	NATURAL
NSP-171	0.171	0.375	0.375	8	3,000	NYLON	NATURAL
NSP-189	0.171	0.375	0.750	8	2,500	NYLON	NATURAL
NSP-201	0.171	0.375	1.000	8	2,000	NYLON	NATURAL
NW375171032	0.171	0.375	0.032	8	7,000	NYLON	NATURAL
NW375171062	0.171	0.375	0.062	8	7,000	NYLON	NATURAL
NW375171093	0.171	0.375	0.093	8	5,000	NYLON	NATURAL
NW375171125	0.171	0.375	0.125	8	5,000	NYLON	NATURAL
NSP-204	0.171	0.500	0.125	8	3,000	NYLON	NATURAL
NSP-214	0.171	0.500	0.250	8	2,500	NYLON	NATURAL
NSP-224	0.171	0.500	0.375	8	2,500	NYLON	NATURAL
NSP-234	0.171	0.500	0.500	8	2,500	NYLON	NATURAL
NSP-254	0.171	0.500	0.750	8	2,000	NYLON	NATURAL
NSP-274	0.171	0.500	1.000	8	2,000	NYLON	NATURAL
167-NN-0616-0000	0.171	0.500	0.250	8		NYLON	NATURAL

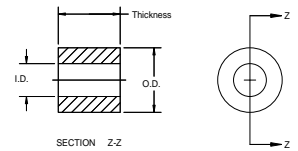


SPACERS, WASHERS & BUSHINGS



PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167-NN-0517-0000	0.180	0.406	0.562	8		NYLON	NATURAL
167NN-0643-0000	0.181	0.270	0.130	8		NYLON	NATURAL
167PB-0544-0000	0.185	0.541	1.000	8		POLYETHYLENE	BLACK
167PB-0451-0000	0.185	1.375	0.062	8		POLYETHYLENE	BLACK
167LN-2043-0000	0.186	0.504	0.437	8		LINEAR POLY	WHITE
167NN-0447-0000	0.187	0.312	0.687	8		NYLON	NATURAL
167NN-0586-0000	0.187	0.375	0.355	8		NYLON	NATURAL
167-NN-0595-0000	0.187	0.500	0.355	8		NYLON	NATURAL
167LN-0427-0000	0.187	0.578	0.125	8		LINEAR POLY	WHITE
167LN-0645-0000	0.187	0.750	0.094	8		LINEAR POLY	WHITE
167LN-2324-0000	0.187	0.750	0.187	8		LINEAR POLY	WHITE
167LN-0314-0000	0.187	1.000	0.250	8		LINEAR POLY	WHITE
167NN-0100-0000	0.187	1.120	0.250	8		NYLON	NATURAL
NSP-600-0377	0.188	0.375	0.188	8	6,000	NYLON	NATURAL
NSP-600-0341	0.188	0.500	0.625	8	5,000	NYLON	NATURAL
167-LN-2032-0000	0.189	0.500	0.093	8		LINEAR POLY	WHITE
167-LN-2033-0000	0.189	0.500	0.125	8		LINEAR POLY	WHITE
167-PB-2033-0000	0.189	0.500	0.125	8		POLYETHYLENE	BLACK
167-NN-2035-0000	0.189	0.500	0.187	8		NYLON	NATURAL
167-BB-2043-0000	0.189	0.500	0.437	8		BUTYRATE	BLACK
167LN-2327-0000	0.189	0.750	0.312	8		LINEAR POLY	WHITE
NSP-600-2013	0.190	0.500	0.375	8	5,000	NYLON	NATURAL
167NN-0660-0000	0.191	0.375	0.360	8		NYLON	NATURAL
167-NN-0520-0000	0.191	0.375	0.370	8		NYLON	NATURAL
167-NN-0659-0000	0.191	0.375	0.875	8		NYLON	NATURAL
167PB-0318-0000	0.191	1.000	0.312	8		POLYETHYLENE	BLACK
NW375194032	0.194	0.375	0.032	10	10,000	NYLON	NATURAL
NW375194062	0.194	0.375	0.062	10	7,000	NYLON	NATURAL
NW375194093	0.194	0.375	0.093	10	5,000	NYLON	NATURAL
NW375194125	0.194	0.375	0.125	10	5,000	NYLON	NATURAL
NSP-205	0.194	0.500	0.125	10	3,000	NYLON	NATURAL
NSP-275	0.194	0.500	1.000	10	2,000	NYLON	NATURAL
167LN-0550-0000	0.195	0.312	0.190	10		LINEAR POLY	WHITE
167LN-0549-0000	0.195	0.340	0.360	10		LINEAR POLY	WHITE
167-PB-0326-0000	0.195	0.500	0.062	10		POLYETHYLENE	BLACK
167NN-0646-0000	0.195	0.625	0.125	10		NYLON	NATURAL
167-LN-0492-0000	0.196	0.375	0.937	10		LINEAR POLY	WHITE
167NN-0648-0000	0.200	0.372	0.250	10		NYLON	NATURAL
167-LN-0323-0000	0.200	0.400	0.437	10		LINEAR POLY	WHITE
167LN-0452-0000	0.200	1.250	0.125	10		LINEAR POLY	WHITE
167-NN-0432-0000	0.203	0.437	0.250	10		NYLON	NATURAL
167-NN-0666-0000	0.203	0.437	0.250	10		NYLON	NATURAL
167LN-0599-0000	0.203	0.562	0.187	10		LINEAR POLY	WHITE
167PB-0477-0000	0.203	0.625	0.500	10		POLYETHYLENE	BLACK
NSP-600-0285	0.203	0.750	0.625	10		NYLON	NATURAL
167-LN-0658-0000	0.205	0.485	0.750	10		LINEAR POLY	WHITE
167NN-0433-0000	0.205	0.500	0.510	10		NYLON	NATURAL
NW-600-0362	0.216	0.438	0.063	10	30,000	NYLON	NATURAL
167-PB-0545-0000	0.218	0.437	1.000	10		POLYETHYLENE	BLACK
167-PB-0548-0000	0.218	0.437	1.250	10		POLYETHYLENE	BLACK
167NN-0424-0000	0.218	0.562	0.040	10		NYLON	NATURAL
167LN-2349-0000	0.218	0.750	0.187	10		LINEAR POLY	WHITE
167NB-0654-0000	0.219	0.500	0.719	10		NYLON	BLACK
167PB-0654-0000	0.219	0.500	0.719	10		POLYETHYLENE	BLACK
167PB-0606-0000	0.225	1.000	0.625	12		POLYETHYLENE	BLACK
167-NN-0633-0000	0.234	0.445	0.334	12		NYLON	NATURAL
167PB-7002-0000	0.234	1.000	0.625	12		POLYETHYLENE	BLACK
167LN-0622-0000	0.240	0.500	0.140	12		LINEAR POLY	WHITE
NSP-600-6237	0.245	0.610	0.370	12	8,500	NYLON	NATURAL
167-NN-2600-0000	0.250	0.375	0.375	12		NYLON	NATURAL
167-BB-0301-0000	0.250	0.375	0.750	12		BUTYRATE	BLACK
167-BN-0609-0000	0.250	0.470	0.750	12		BUTYRATE	BLACK
NSP-600-0152	0.250	0.500	0.500	12	8,000	NYLON	NATURAL
NSP-600-0200	0.250	0.560	0.250	12	20,000	NYLON	NATURAL
167NN-0429-0000	0.250	0.562	0.260	12		NYLON	NATURAL
167NN-0603-0000	0.250	0.562	0.562	12		NYLON	NATURAL

SPACERS & WASHERS



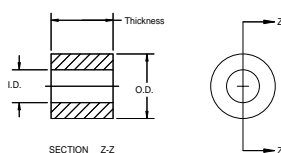
SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

SPACERS, WASHERS & BUSHINGS



SPACERS & WASHERS



SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
NSP-600-0348	0.250	0.625	0.500	12	4,000	NYLON	NATURAL
167NN-0657-0000	0.250	0.625	0.375	12		NYLON	NATURAL
NSP-600-0250	0.250	0.740	0.250	12	5,000	NYLON	NATURAL
NSP-600-0742	0.250	0.742	0.312	12	5,000	NYLON	NATURAL
167PB-0580-0000	0.250	0.750	0.250	12		POLYETHYLENE	BLACK
167LN-0509-0000	0.250	0.750	0.687	12		LINEAR POLY	WHITE
167NN-0455-0000	0.250	0.750	1.000	12		NYLON	NATURAL
167NN-0455-0000	0.250	0.750	1.000	12		NYLON	NATURAL
167LN-0565-0000	0.250	0.760	0.125	12		LINEAR POLY	WHITE
167LN-0405-0000	0.250	0.780	0.620	12		LINEAR POLY	WHITE
167LN-2920-0000	0.250	1.250	0.062	12		LINEAR POLY	WHITE
167LN-0321-0000	0.250	1.500	0.125	12		LINEAR POLY	WHITE
NW-600-0120	0.250	1.950	0.290	12	15,000	NYLON	NATURAL
167-NN-0625-0000	0.253	0.406	0.100	1/4		NYLON	NATURAL
167NN-2078-0000	0.253	0.500	0.125	1/4		NYLON	NATURAL
NSP-600-2211	0.253	0.625	0.250	1/4	10,000	NYLON	NATURAL
167LN-2211-0000	0.253	0.625	0.250	1/4		LINEAR POLY	WHITE
167LN-2356-0000	0.253	0.750	0.062	1/4		LINEAR POLY	WHITE
167LN-0443-0000	0.255	0.500	0.437	1/4		LINEAR POLY	WHITE
167PB-0681-0000	0.256	0.500	0.107	1/4		POLYETHYLENE	BLACK
167PB-0682-0000	0.256	0.500	0.187	1/4		POLYETHYLENE	BLACK
167LN-0668-0000	0.257	0.370	0.500	1/4		LINEAR POLY	WHITE
167-NN-0661-0000	0.257	0.375	0.250	1/4		NYLON	NATURAL
167-NN-0450-0000	0.257	0.490	0.200	1/4		NYLON	NATURAL
NSP-222	0.257	0.500	0.313	1/4	2,500	NYLON	NATURAL
NSP-237	0.257	0.500	0.500	1/4	2,000	NYLON	NATURAL
NW500257032	0.257	0.500	0.032	1/4	7,000	NYLON	NATURAL
NW500257062	0.257	0.500	0.062	1/4	5,000	NYLON	NATURAL
NW500257093	0.257	0.500	0.093	1/4	5,000	NYLON	NATURAL
NW500257125	0.257	0.500	0.125	1/4	5,000	NYLON	NATURAL
167NN-0468-0000	0.257	0.500	0.312	1/4		NYLON	NATURAL
167NN-0527-0000	0.259	0.320	0.335	1/4		NYLON	NATURAL
NSP-600-0188	0.260	0.375	0.250	1/4	5,000	NYLON	NATURAL
167NN-0612-0000	0.260	0.500	0.250	1/4		NYLON	NATURAL
167NN-0683-0000	0.260	0.500	0.500	1/4		NYLON	NATURAL
167LN-0445-0000	0.260	0.500	1.000	1/4		LINEAR POLY	WHITE
167PB-0603-0000	0.260	0.562	0.562	1/4		POLYETHYLENE	BLACK
NW-600-7126	0.260	0.875	0.250	1/4	5,000	NYLON	NATURAL
NSP-600-0347	0.260	1.000	0.625	1/4	2,700	NYLON	NATURAL
167PB-7008-0000	0.260	1.000	0.625	1/4		POLYETHYLENE	BLACK
167PB-0345-0000	0.262	0.500	0.375	1/4		POLYETHYLENE	BLACK
167-PB-0588-0000	0.265	0.453	0.750	1/4		POLYETHYLENE	BLACK
167CN-0673-0000	0.265	0.595	0.130	1/4		CELCON	WHITE
167NN-0673-0000	0.265	0.595	0.130	1/4		NYLON	NATURAL
NSP-600-0295	0.265	0.615	0.495	1/4	5,000	NYLON	NATURAL
NW-600-0231	0.265	0.750	0.045	1/4	5,000	NYLON	NATURAL
167NN-0325-0000	0.265	0.750	0.500	1/4		NYLON	NATURAL
167NN-0639-0000	0.265	1.000	0.250	1/4		NYLON	NATURAL
167-LN-0647-0000	0.266	0.375	0.125	1/4		LINEAR POLY	WHITE
167NN-0465-0000	0.270	0.625	0.055	1/4		NYLON	NATURAL
167NN-0578-0000	0.279	0.500	0.322	1/4		NYLON	NATURAL
167LN-0312-0000	0.280	0.562	0.156	1/4		LINEAR POLY	WHITE
167NN-0312-0000	0.280	0.562	0.156	1/4		NYLON	NATURAL
NSP-600-0450	0.281	0.450	0.145	1/4	5,000	NYLON	NATURAL
167NN-2110-0000	0.281	0.500	0.187	1/4		NYLON	NATURAL
167NN-0327-0000	0.282	0.557	0.156	1/4		NYLON	NATURAL
167NN-0464-0000	0.285	0.625	0.062	1/4		NYLON	NATURAL
167NN-0641-0000	0.286	0.500	0.103	1/4		NYLON	NATURAL
167-NN-0642-0000	0.288	0.398	0.103	1/4		NYLON	NATURAL
167NN-0613-0000	0.300	0.780	0.060	1/4		NYLON	NATURAL
167NN-0582-0000	0.307	0.593	0.125	1/4		NYLON	NATURAL
NSP-600-0192	0.310	0.750	0.500	1/4**	7,000	NYLON	NATURAL
167-NN-0428-0000	0.312	0.403	0.687	1/4		NYLON	NATURAL
167-LN-0600-0000	0.312	0.437	0.062	1/4		LINEAR POLY	WHITE
167-BB-0367-0000	0.312	0.437	0.875	1/4		BUTYRATE	BLACK
167PB-0537-0000	0.312	0.541	0.250	1/4		POLYETHYLENE	BLACK
167NN-0584-0000	0.312	1.000	0.125	1/4		NYLON	NATURAL
NSP-600-0358	0.313	0.625	0.500	1/4	3,500	NYLON	NATURAL

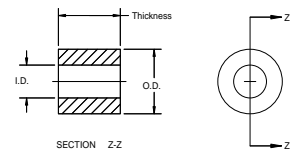


SPACERS, WASHERS & BUSHINGS



PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167LN-2378-0000	0.315	0.750	0.066	5/16		LINEAR POLY	WHITE
167-NN-0629-0000	0.317	0.412	1.000	5/16		NYLON	NATURAL
NW500317032	0.317	0.500	0.032	5/16	7,000	NYLON	NATURAL
NW500317062	0.317	0.500	0.062	5/16	5,000	NYLON	NATURAL
NW500317093	0.317	0.500	0.093	5/16	5,000	NYLON	NATURAL
NW500317125	0.317	0.500	0.125	5/16	5,000	NYLON	NATURAL
167NN-0431-0000	0.317	0.625	0.500	5/16		NYLON	NATURAL
167NN-0448-0000	0.317	1.125	0.250	5/16		NYLON	NATURAL
167-NN-0307-0000	0.318	0.378	0.630	5/16		NYLON	NATURAL
167NN-0585-0000	0.318	0.750	0.062	5/16		NYLON	NATURAL
167NN-0614-0000	0.320	0.510	0.250	5/16		NYLON	NATURAL
NW-600-0342	0.320	1.000	0.250	5/16	7,000	NYLON	NATURAL
167NB-0341-0000	0.320	1.000	0.125	5/16		NYLON	NATURAL
NW-600-0585	0.321	0.760	0.069	5/16	10,000	NYLON	NATURAL
167LN-0431-0000	0.322	0.625	0.500	5/16		LINEAR POLY	WHITE
167NN-0309-0000	0.323	0.625	0.155	5/16		NYLON	NATURAL
167-PB-0587-0000	0.325	0.453	0.750	5/16		POLYETHYLENE	BLACK
167NN-0627-0000	0.325	0.500	0.050	5/16		NYLON	NATURAL
167BB-0518-0000	0.325	0.500	0.847	5/16		BUTYRATE	BLACK
167NN-5004-0000	0.328	0.750	0.125	5/16		NYLON	NATURAL
NSP-600-0254	0.330	0.750	0.500	5/16	5,500	NYLON	NATURAL
NSP-600-0126	0.335	0.750	0.250	5/16	5,500	NYLON	NATURAL
167NN-0512-0000	0.335	0.750	0.250	5/16		NYLON	NATURAL
NSP-600-0234	0.340	0.630	0.680	5/16	5,000	NYLON	NATURAL
167LN-0571-0000	0.343	0.562	0.625	5/16		LINEAR POLY	WHITE
167NN-0571-0000	0.343	0.562	0.625	5/16		NYLON	NATURAL
167NN-0630-0000	0.343	0.562	0.875	5/16		NYLON	NATURAL
167NN-0488-0000	0.343	1.250	0.062	5/16		NYLON	NATURAL
167NN-0644-0000	0.344	0.500	0.500	5/16		NYLON	NATURAL
167NN-0306-0000	0.345	0.750	0.685	5/16		NYLON	NATURAL
167LN-0624-0000	0.355	0.625	0.187	5/16		LINEAR POLY	WHITE
167NN-0333-0000	0.365	0.750	0.312	5/16		NYLON	NATURAL
167NN-0446-0000	0.375	0.505	0.192	5/16		NYLON	NATURAL
NW-600-0233	0.375	0.750	0.065	5/16	10,000	NYLON	NATURAL
167NB-0400-0000	0.375	0.750	0.385	5/16		NYLON	NATURAL
167NN-0400-0000	0.375	0.750	0.385	5/16		NYLON	NATURAL
167NN-0505-0000	0.375	0.875	0.062	5/16		NYLON	NATURAL
167NN-0320-0000	0.375	0.875	0.125	5/16		NYLON	NATURAL
167NN-0631-0000	0.375	0.875	0.375	5/16		NYLON	NATURAL
NW-600-0235	0.375	1.000	0.062	5/16	5,500	NYLON	NATURAL
167NB-0342-0000	0.375	1.000	0.250	5/16		NYLON	NATURAL
167NN-0313-0000	0.375	1.000	0.250	5/16		NYLON	NATURAL
NW-600-0833	0.375	1.500	0.129	5/16	7,000	NYLON	NATURAL
167NN-0563-0000	0.375	1.500	0.125	5/16		NYLON	NATURAL
167NN-0519-0000	0.376	0.546	0.484	5/16		NYLON	NATURAL
167NN-0336-0000	0.377	0.625	0.230	3/8		NYLON	NATURAL
167LN-2244-0000	0.377	0.625	0.250	3/8		LINEAR POLY	WHITE
167NN-2389-0000	0.377	0.750	0.062	3/8		NYLON	NATURAL
167NN-0528-0000	0.378	0.937	0.125	3/8		NYLON	NATURAL
NW625380032	0.380	0.625	0.032	3/8	7,000	NYLON	NATURAL
NW625380062	0.380	0.625	0.062	3/8	5,000	NYLON	NATURAL
NW625380093	0.380	0.625	0.093	3/8	5,000	NYLON	NATURAL
NW625380125	0.380	0.625	0.125	3/8	5,000	NYLON	NATURAL
167PB-0346-0000	0.380	0.670	0.980	3/8		POLYETHYLENE	BLACK
167NB-0652-0000	0.380	0.750	0.187	3/8		NYLON	NATURAL
167NN-0466-0000	0.385	0.750	0.500	3/8		NYLON	NATURAL
167PB-2860-0000	0.385	0.750	0.125	3/8		POLYETHYLENE	BLACK
167LN-0439-0000	0.385	0.750	0.385	3/8		LINEAR POLY	WHITE
167NN-0638-0000	0.385	0.761	0.046	3/8		NYLON	NATURAL
167LN-0640-0000	0.386	1.250	0.047	3/8		NYLON	NATURAL
167NN-0653-0000	0.387	0.500	1.000	3/8		NYLON	NATURAL
167NN-0570-0000	0.388	0.562	0.304	3/8		NYLON	NATURAL
167NN-0514-0000	0.388	0.937	0.125	3/8		NYLON	NATURAL
167LN-0615-0000	0.400	0.500	0.360	7/16		LINEAR POLY	WHITE
167NN-0662-0000	0.430	0.581	0.410	7/16		NYLON	NATURAL

SPACERS & WASHERS



SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

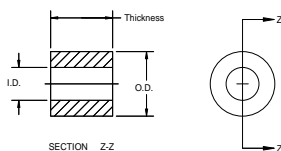
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SPACERS, WASHERS & BUSHINGS



SPACERS & WASHERS



SPECIFICATIONS

- Standard Material: See Chart
- Standard Color: See Chart

PART NUMBER	(IN.) I.D.	(IN.) O.D.	(IN.) THICKNESS	SCREW SIZE	BOX QTY	MATERIAL	COLOR
167LN-0572-0000	0.437	1.250	0.070	7/16		LINEAR POLY	WHITE
NW750443032	0.443	0.750	0.032	7/16	5,000	NYLON	NATURAL
NW750443062	0.443	0.750	0.062	7/16	5,000	NYLON	NATURAL
NW750443093	0.443	0.750	0.093	7/16	3,000	NYLON	NATURAL
NW750443125	0.443	0.750	0.125	7/16	3,000	NYLON	NATURAL
167NN-0672-0000	0.443	0.750	0.375	7/16		NYLON	NATURAL
167NN-0490-0000	0.453	0.750	0.385	7/16		NYLON	NATURAL
167LN-0440-0000	0.470	0.935	0.075	7/16		LINEAR POLY	WHITE
167PB-2262-0000	0.500	0.625	0.125	7/16		POLYETHYLENE	BLACK
NSP-600-0237	0.500	0.750	0.375	7/16	8,000	NYLON	NATURAL
167NN-0665-0000	0.500	0.755	0.312	7/16		NYLON	NATURAL
NW-600-0297	0.500	1.000	0.135	7/16	5,000	NYLON	NATURAL
167NN-0628-0000	0.500	1.000	0.050	7/16		NYLON	NATURAL
167NN-0576-0000	0.500	1.000	0.062	7/16		NYLON	NATURAL
167NN-0635-0000	0.500	1.000	0.100	7/16		NYLON	NATURAL
167NN-0593-0000	0.500	1.250	0.063	7/16		NYLON	NATURAL
167NN-0403-0000	0.501	1.000	0.146	1/2		NYLON	NATURAL
167NN-2422-0000	0.503	0.750	0.375	1/2		LINEAR POLY	WHITE
NW750505032	0.505	0.750	0.032	1/2	5,000	NYLON	NATURAL
NW750505062	0.505	0.750	0.062	1/2	5,000	NYLON	NATURAL
NW750505093	0.505	0.750	0.093	1/2	3,000	NYLON	NATURAL
NW750505125	0.505	0.750	0.125	1/2	3,000	NYLON	NATURAL
167NN-0504-0000	0.510	0.750	0.165	1/2		NYLON	NATURAL
167NN-0526-0000	0.510	0.755	0.682	1/2		NYLON	NATURAL
NW-600-0283	0.512	1.258	0.064	1/2	5,000	NYLON	NATURAL
NW-600-0160	0.514	1.250	0.062	1/2	5,000	NYLON	NATURAL
167NN-0676-0000	0.515	0.750	0.110	1/2		NYLON	NATURAL
167NN-0601-0000	0.515	0.875	0.687	1/2		NYLON	NATURAL
167PB-0670-0000	0.515	1.250	0.187	1/2		POLYETHYLENE	BLACK
167NN-0555-0000	0.520	0.625	0.218	1/2		NYLON	NATURAL
167NN-0399-0000	0.520	0.750	0.060	1/2		NYLON	NATURAL
NW1375525125	0.525	1.375	0.125	1/2	1,000	NYLON	NATURAL
167NN-0434-0000	0.562	0.875	0.125			NYLON	NATURAL
167NN-0664-0000	0.625	0.750	0.125	9/16		NYLON	NATURAL
167NN-0665-0000	0.625	0.750	0.190	9/16		NYLON	NATURAL
NSP-600-0095	0.625	0.875	0.125	9/16	5,000	NYLON	NATURAL
167LN-0605-0000	0.625	1.000	0.250	9/16		LINEAR POLY	WHITE
167NN-0583-0000	0.625	1.062	0.094	9/16		NYLON	NATURAL
167NN-0579-0000	0.629	1.125	0.128	9/16		NYLON	NATURAL
NW-600-0232	0.700	1.000	0.145	5/8	5,000	NYLON	NATURAL
167NN-0402-0000	0.700	1.000	0.146	5/8		NYLON	NATURAL
167NN-0620-0000	0.709	1.250	0.062	5/8		NYLON	NATURAL
167NN-0437-0000	0.750	1.250	0.125	3/4		NYLON	NATURAL
NW-600-0161	0.760	1.250	0.065	3/4	5,000	NYLON	NATURAL
167LN-0565-0000	0.765	0.250	0.125	3/4		LINEAR POLY	WHITE
NW1250765080*	0.765	1.250	0.080	3/4	3,000	NYLON	NATURAL
167LN-0315-0000	0.781	1.250	0.250	3/4		LINEAR POLY	WHITE
167LN-0316-0000	0.781	1.250	0.750	3/4		LINEAR POLY	WHITE
167LN-0317-0000	0.781	1.250	1.000	3/4		LINEAR POLY	WHITE
NSP-600-0172	0.825	1.250	0.880	3/4	7,000	NYLON	NATURAL
167LN-0604-0000	0.875	1.113	0.625	7/8		LINEAR POLY	WHITE
167LN-0598-0000	0.942	1.062	0.500	7/8		LINEAR POLY	WHITE
167NN-0598-0000	0.942	1.062	0.500	7/8		NYLON	NATURAL
167LN-0474-0000	1.000	1.115	0.370	1		LINEAR POLY	WHITE
167NN-0330-0000	1.000	2.000	0.156	1		NYLON	NATURAL
NSP-600-0171	1.095	1.315	0.890	1	1,100	NYLON	NATURAL
167LN-0394-0000	1.125	1.375	0.062	1-3/8		LINEAR POLY	WHITE
167NN-0483-0000	1.245	1.375	0.750	1-3/8		NYLON	NATURAL
167LN-0574-0000	1.250	2.250	0.125	1-3/8		LINEAR POLY	WHITE
167LN-0303-0000	1.295	1.475	1.090	1-3/8		LINEAR POLY	WHITE
167NN-0596-0000	1.312	2.250	0.093	1-3/8		NYLON	NATURAL
167NN-0547-0000	1.375	1.875	0.187			NYLON	NATURAL
167LN-0321-0000	1.500	0.250	0.125	1-1/2		LINEAR POLY	WHITE
167NN-0592-0000	1.645	2.312	0.062	1-1/2		NYLON	NATURAL
167NN-0302-0000	1.660	2.000	0.375	1-1/2		NYLON	NATURAL
167NN-0507-0000	1.734	2.312	0.050	1-1/2		NYLON	NATURAL
NW-600-0131	1.765	2.325	0.600	1-3/4	5,000	NYLON	NATURAL

*Special, **Ribbed, ***Slanted



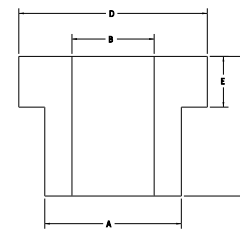
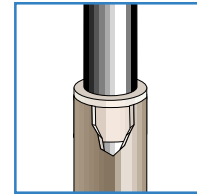
SPACERS, WASHERS & BUSHINGS



DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
NBF4	0.187	0.118	0.080	0.281	0.040	NYLON	NATURAL
NBF393194159	0.194	0.159	0.109	0.393	0.047	NYLON	NATURAL
NBF283199123	0.199	0.123	0.295	0.283	0.045	NYLON	NATURAL
212NN-0231-0000	0.211	0.144	0.172	0.275	0.141	NYLON	NATURAL
212NN-0334-0000	0.215	0.116	0.219	0.141	0.050	NYLON	NATURAL
212NN-0235-0000	0.218	0.125	0.281	0.641	0.109	NYLON	NATURAL
212NN-0248-0000	0.231	0.126	0.068	0.467	0.037	NYLON	NATURAL
212NN-0180-0000	0.234	0.125	0.140	0.375	0.031	NYLON	NATURAL
212NN-0229-0000	0.234	0.141	0.180	0.375	0.094	NYLON	NATURAL
NBF408240197	0.240	0.197	0.249	0.408	0.062	NYLON	NATURAL
212NN-0250-0000	0.242	0.171	0.156	0.500	0.094	NYLON	NATURAL
212NN-0102-0000	0.250	0.125	0.500	0.562	0.250	NYLON	NATURAL
NBF355040250	0.250	0.150	0.130	0.355	0.040	NYLON	NATURAL
212NN-0207-0000	0.250	0.150	0.219	0.375	0.062	NYLON	NATURAL
212NN-0276-0000	0.250	0.195	0.093	0.550	0.031	NYLON	NATURAL
NBF380065254	0.254	0.196	0.190	0.380	0.065	NYLON	NATURAL
212NN-0198-0000	0.297	0.187	0.120	0.500	0.070	NYLON	NATURAL
212NN-0146-0000	0.297	0.250	0.219	0.395	0.040	NYLON	NATURAL
212NN-0241-0000	0.300	0.195	0.500	0.500	0.094	NYLON	NATURAL
NBF581196300	0.300	0.196	0.278	0.581	0.120	NYLON	NATURAL
212NN-0111-0000	0.300	0.196	0.280	0.583	0.125	NYLON	NATURAL
212NN-0144-0000	0.300	0.196	0.500	0.500	0.125	NYLON	NATURAL
NBF440032303	0.303	0.196	0.181	0.440	0.040	NYLON	NATURAL
212NN-0352-0000	0.307	0.199	0.218	0.500	0.093	NYLON	NATURAL
212NN-0317-0000	0.310	0.120	0.187	0.500	0.057	NYLON	NATURAL
212NN-0130-0000	0.310	0.187	0.218	0.500	0.050	NYLON	NATURAL
NBF510308255	0.310	0.255	0.203	0.510	0.062	NYLON	NATURAL
212NN-0126-0000	0.312	0.125	0.135	0.625	0.037	NYLON	NATURAL
212NN-0232-0000	0.312	0.187	0.240	0.500	0.100	NYLON	NATURAL
212NN-0363-0000	0.312	0.187	0.350	0.500	0.100	NYLON	NATURAL
212NN-0179-0000	0.312	0.190	0.275	0.687	0.062	NYLON	NATURAL
212NN-0166-0000	0.312	0.196	0.218	0.500	0.046	NYLON	NATURAL
212NN-0168-0000	0.312	0.200	0.250	0.500	0.062	NYLON	NATURAL
212NN-0318-0000	0.312	0.237	0.362	0.500	0.062	NYLON	NATURAL
212BN-0263-0000	0.312	0.250	0.500	0.500	0.156	BUTYRATE	CLEAR
212NN-0156-0000	0.312	0.255	0.137	0.437	0.062	NYLON	NATURAL
212NN-0178-0000	0.312	0.255	0.234	0.625	0.032	NYLON	NATURAL
212LN-0348-0000	0.315	0.125	0.750	0.442	0.250	LINEAR POLY	WHITE
212NN-0208-0000	0.315	0.219	0.219	0.562	0.082	NYLON	NATURAL
212NN-0268-0000	0.317	0.258	0.375	0.562	0.062	NYLON	NATURAL
212NN-0173-0000	0.320	0.255	0.141	0.625	0.031	NYLON	NATURAL
NBF625322255	0.322	0.255	0.249	0.625	0.062	NYLON	NATURAL
212NN-0116-0000	0.328	0.180	0.437	0.500	0.062	NYLON	NATURAL
212PB-0196-0000	0.339	0.265	0.250	0.750	0.062	POLYETHYLENE	BLACK
212NB-0149-0000	0.343	0.190	0.281	0.875	0.140	NYLON	NATURAL
212NN-0149-0000	0.344	0.190	0.281	0.875	0.141	NYLON	NATURAL
212NN-0320-0000	0.344	0.196	0.594	0.500	0.187	NYLON	NATURAL
212NN-0335-0000	0.344	0.210	0.203	0.625	0.062	NYLON	NATURAL
212NN-0240-0000	0.348	0.260	0.550	0.562	0.031	NYLON	NATURAL
NBF428125350	0.350	0.308	0.172	0.428	0.125	NYLON	NATURAL
212NN-0121-0000	0.353	0.234	0.281	0.656	0.103	NYLON	NATURAL
212NN-0230-0000	0.355	0.235	0.281	0.650	0.109	NYLON	NATURAL
212NN-0115-0000	0.359	0.140	0.344	0.625	0.031	NYLON	NATURAL
212BB-0330-0000	0.359	0.218	0.234	0.484	0.062	BUTYRATE	BLACK
212NN-0170-0000	0.359	0.240	0.225	0.665	0.109	NYLON	NATURAL
212NN-0227-0000	0.359	0.250	0.156	0.500	0.062	NYLON	NATURAL
212NN-0194-0000	0.359	0.266	0.422	0.625	0.250	NYLON	NATURAL
NBF620062250	0.360	0.320	0.312	0.620	0.062	NYLON	NATURAL
NBF6200625375	0.360	0.320	0.437	0.620	0.062	NYLON	NATURAL
212NN-0129-0000	0.363	0.260	0.500	0.500	0.062	NYLON	NATURAL
212NN-0122-0000	0.364	0.221	0.156	0.550	0.109	NYLON	NATURAL
NBF500031375	0.365	0.255	0.219	0.500	0.031	NYLON	NATURAL
212NN-0151-0000	0.365	0.312	0.165	0.615	0.035	NYLON	NATURAL
212NN-0128-0000	0.365	0.315	0.343	0.562	0.062	NYLON	NATURAL

FLANGED BUSHINGS



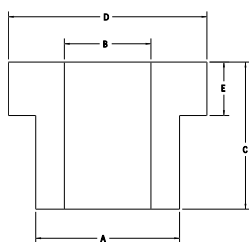
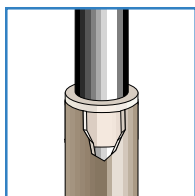
SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

Alliance Plastics' Flanged Bushings are inexpensive, lightweight, non-corrosive and have a low friction coefficient. They are suitable as light load bearings or bushings. Used as locators, sleeves, liners and guides, flanged bushings insulate a component and prevent metal to metal contact. The flanged portion acts as a stop when inserted into a component. The shank then insulates the shaft, bolt, stud, rivet, or other insert from the mounting surface.

SPACERS, WASHERS & BUSHINGS

FLANGED BUSHINGS



SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart



DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
212PB-0338-0000	0.370	0.255	0.125	1.250	0.062	POLYETHYLENE	BLACK
212NN-0108-0000	0.370	0.296	0.297	0.609	0.109	NYLON	NATURAL
212NN-0162-0000	0.370	0.323	0.112	0.437	0.050	NYLON	NATURAL
212NN-0113-0000	0.370	0.323	0.187	0.437	0.050	NYLON	NATURAL
NBF550375255	0.372	0.255	0.584	0.550	0.062	NYLON	NATURAL
212NN-0313-0000	0.372	0.260	0.250	0.500	0.125	NYLON	NATURAL
212NN-0364-0000	0.375	0.125	0.578	0.750	0.094	NYLON	NATURAL
212LN-0222-0000	0.375	0.156	0.312	0.625	0.125	LINEAR POLY	WHITE
212NN-0367-0000	0.375	0.190	0.438	0.500	0.113	NYLON	NATURAL
212NN-0107-0000	0.375	0.192	0.447	0.625	0.070	NYLON	NATURAL
212NN-0254-0000	0.375	0.238	0.250	0.500	0.125	NYLON	NATURAL
212NN-0286-0000	0.375	0.250	0.421	0.435	0.050	NYLON	NATURAL
212NN-0143-0000	0.375	0.250	0.609	0.500	0.234	NYLON	NATURAL
212NN-0239-0000	0.375	0.252	0.484	0.500	0.234	NYLON	NATURAL
212NN-0226-0000	0.375	0.255	0.275	0.635	0.062	NYLON	NATURAL
212LN-0217-0000	0.375	0.256	0.745	0.750	0.062	LINEAR POLY	WHITE
212NN-0225-0000	0.375	0.263	0.437	0.500	0.062	NYLON	NATURAL
212NN-0252-0000	0.375	0.265	0.281	0.625	0.140	NYLON	NATURAL
212NN-0141-0000	0.375	0.273	0.750	0.500	0.040	NYLON	NATURAL
212NN-0312-0000	0.375	0.350	0.609	0.500	0.266	NYLON	NATURAL
212LN-0191-0000	0.377	0.255	0.750	0.500	0.062	LINEAR POLY	WHITE
212NN-0199-0000	0.377	0.265	0.750	0.500	0.062	NYLON	NATURAL
212PB-0104-0000	0.380	0.170	0.375	0.450	0.220	POLYETHYLENE	BLACK
212NN-0112-0000	0.380	0.256	0.500	0.500	0.062	NYLON	NATURAL
212NN-0136-0000	0.380	0.281	0.250	0.500	0.125	NYLON	NATURAL
212NN-0212-0000	0.386	0.255	0.297	0.719	0.156	NYLON	NATURAL
212NN-0314-0000	0.390	0.320	0.531	0.750	0.125	NYLON	NATURAL
NBF625066405	0.405	0.320	0.205	0.625	0.066	NYLON	NATURAL
212NN-0368-0000	0.406	0.165	0.437	0.625	0.070	NYLON	NATURAL
212NN-0165-0000	0.412	0.312	1.362	0.562	0.050	NYLON	NATURAL
NBF1064207265	0.425	0.265	0.135	1.000	0.060	NYLON	NATURAL
212NN-0117-0000	0.437	0.201	0.437	1.000	0.187	NYLON	NATURAL
212NN-0321-0000	0.437	0.250	0.750	1.000	0.250	NYLON	NATURAL
212NN-0257-0000	0.437	0.318	0.562	0.625	0.063	NYLON	NATURAL
212LN-0190-0000	0.437	0.318	0.578	0.625	0.075	LINEAR POLY	WHITE
212LN-0220-0000	0.437	0.320	0.312	0.625	0.062	LINEAR POLY	WHITE
212NN-0200-0000	0.437	0.325	0.625	0.625	0.093	NYLON	NATURAL
212NN-0138-0000	0.437	0.375	0.094	0.625	0.031	NYLON	NATURAL
212NN-0365-0000	0.438	0.250	0.563	0.625	0.063	NYLON	NATURAL
212NN-0253-0000	0.440	0.253	0.290	0.937	0.125	NYLON	NATURAL
212NN-0154-0000	0.443	0.260	0.312	0.562	0.062	NYLON	NATURAL
212LN-0192-0000	0.443	0.332	0.844	0.625	0.094	LINEAR POLY	WHITE
212NN-0175-0000	0.450	0.332	0.812	0.750	0.062	NYLON	NATURAL
212NN-0328-0000	0.462	0.337	0.625	0.625	0.062	NYLON	NATURAL
212CN-0351-0000	0.465	0.385	0.186	0.600	0.093	ACETAL	NATURAL
212NN-0218-0000	0.469	0.375	0.172	0.687	0.078	NYLON	NATURAL
212NN-0181-0000	0.469	0.375	0.250	0.687	0.062	NYLON	NATURAL
212CN-0125-0000	0.470	0.321	0.375	0.625	0.062	ACETAL	NATURAL
212NN-0337-0000	0.490	0.255	0.200	0.750	0.090	NYLON	NATURAL
212NN-0273-0000	0.495	0.250	0.503	0.560	0.030	NYLON	NATURAL
212NN-0251-0000	0.496	0.375	0.312	0.750	0.070	NYLON	NATURAL
212LN-0245-0000	0.500	0.250	0.266	1.000	0.172	LINEAR POLY	WHITE
NBF750500187	0.500	0.281	0.187	0.750	0.093	NYLON	NATURAL
212NN-0216-0000	0.500	0.281	0.750	0.875	0.250	NYLON	NATURAL
212LN-0133-0000	0.500	0.312	1.000	0.797	0.219	LINEAR POLY	WHITE
212LN-0187-0000	0.500	0.375	0.190	0.625	0.070	LINEAR POLY	WHITE
212LN-0346-0000	0.500	0.375	0.190	0.625	0.109	LINEAR POLY	WHITE
212LN-0260-0000	0.500	0.375	0.230	0.625	0.080	LINEAR POLY	WHITE
212NN-0147-0000	0.500	0.375	0.255	0.750	0.065	NYLON	NATURAL
212LN-0345-0000	0.500	0.375	0.315	0.625	0.062	LINEAR POLY	WHITE
212NN-0155-0000	0.500	0.375	0.375	0.625	0.062	NYLON	NATURAL
212NN-0310-0000	0.500	0.375	0.469	0.750	0.312	NYLON	NATURAL
212NN-0150-0000	0.500	0.375	0.500	0.750	0.062	NYLON	NATURAL
212LN-0271-0000	0.500	0.375	0.690	1.125	0.500	LINEAR POLY	WHITE
212NN-0123-0000	0.500	0.375	0.812	0.745	0.062	NYLON	NATURAL



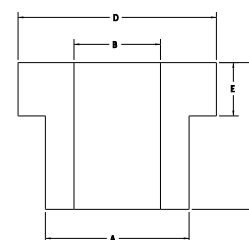
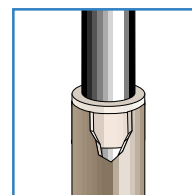
SPACERS, WASHERS & BUSHINGS



DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
212NN-0153-0000	0.500	0.375	0.937	0.734	0.312	NYLON	NATURAL
212NN-0124-0000	0.500	0.380	0.375	0.750	0.078	NYLON	NATURAL
212NN-0101-0000	0.500	0.380	0.547	0.625	0.031	NYLON	NATURAL
212LN-0267-0000	0.500	0.382	0.562	1.000	0.062	LINEAR POLY	WHITE
212NB-0358-0000	0.505	0.375	0.700	0.750	0.200	NYLON	BLACK
NBF750125500	0.505	0.380	0.485	0.750	0.125	NYLON	NATURAL
212NN-0132-0000	0.510	0.392	0.372	0.637	0.062	NYLON	NATURAL
212NN-0127-0000	0.516	0.390	0.812	0.640	0.062	NYLON	NATURAL
212NN-0110-0000	0.520	0.453	0.203	0.625	0.047	NYLON	NATURAL
212NN-0354-0000	0.530	0.380	0.950	0.635	0.250	NYLON	NATURAL
212LN-0103-0000	0.531	0.203	0.750	0.625	0.125	LINEAR POLY	WHITE
212NN-0213-0000	0.531	0.382	0.781	0.656	0.109	NYLON	NATURAL
212NN-0324-0000	0.531	0.470	0.149	0.937	0.087	NYLON	NATURAL
212NN-0324-0000	0.531	0.470	0.149	0.937	0.087	NYLON	NATURAL
212NN-0323-0000	0.531	0.470	0.274	0.937	0.084	NYLON	NATURAL
212NN-0322-0000	0.531	0.470	0.555	0.937	0.087	NYLON	NATURAL
212NN-0242-0000	0.531	0.484	0.146	0.625	0.036	NYLON	NATURAL
212NN-0105-0000	0.560	0.380	0.812	0.750	0.250	NYLON	NATURAL
212NB-0299-0000	0.560	0.455	0.550	0.990	0.077	NYLON	BLACK
NBF201514312	0.563	0.500	0.472	0.787	0.059	NYLON	NATURAL
212NN-0193-0000	0.565	0.445	0.562	0.687	0.062	NYLON	NATURAL
212NN-0177-0000	0.570	0.385	0.625	0.750	0.086	NYLON	NATURAL
212LN-0350-0000	0.575	0.250	0.750	0.687	0.250	LINEAR POLY	WHITE
212NN-0164-0000	0.575	0.380	0.312	0.625	0.062	NYLON	NATURAL
212NN-0157-0000	0.575	0.472	0.320	0.625	0.062	NYLON	NATURAL
212NN-0316-0000	0.577	0.508	0.375	0.750	0.031	NYLON	NATURAL
212NN-0316-0000	0.578	0.508	0.375	0.750	0.031	NYLON	NATURAL
212NN-0228-0000	0.615	0.280	0.750	1.000	0.125	NYLON	NATURAL
212NN-0360-0000	0.625	0.378	0.375	1.125	0.125	NYLON	NATURAL
212NN-0210-0000	0.625	0.380	0.375	1.125	0.125	NYLON	NATURAL
212NN-0223-0000	0.625	0.385	0.594	0.750	0.094	NYLON	NATURAL
212NN-0342-0000	0.625	0.447	0.187	0.750	0.062	NYLON	NATURAL
212NN-0255-0000	0.625	0.503	0.238	0.750	0.066	NYLON	NATURAL
212NN-0203-0000	0.625	0.510	0.500	0.875	0.125	NYLON	NATURAL
212NN-0142-0000	0.625	0.520	0.422	0.797	0.062	NYLON	NATURAL
212NN-0137-0000	0.627	0.453	0.594	0.750	0.094	NYLON	NATURAL
212NN-0244-0000	0.628	0.506	1.440	0.750	0.060	NYLON	NATURAL
212NN-0167-0000	0.630	0.442	0.937	1.275	0.187	NYLON	NATURAL
212LN-0106-0000	0.630	0.442	1.687	1.250	0.437	LINEAR POLY	WHITE
212NN-0224-0000	0.630	0.522	0.520	0.750	0.062	NYLON	NATURAL
212NN-0131-0000	0.637	0.515	0.437	0.750	0.250	NYLON	NATURAL
212NN-0152-0000	0.665	0.565	0.687	0.750	0.040	NYLON	NATURAL
212NN-0214-0000	0.681	0.197	0.187	0.781	0.062	NYLON	NATURAL
212LN-0176-0000	0.687	0.578	0.781	0.922	0.047	LINEAR POLY	WHITE
212NN-0270-0000	0.690	0.406	0.437	0.750	0.125	NYLON	NATURAL
212LN-0219-0000	0.697	0.222	0.437	0.750	0.187	LINEAR POLY	WHITE
212NN-0120-0000	0.710	0.630	0.875	0.937	0.040	NYLON	NATURAL
212NN-0265-0000	0.745	0.635	0.125	0.844	0.047	NYLON	NATURAL
212CN-0340-0000	0.747	0.434	0.250	0.993	0.135	ACETAL	NATURAL
212NN-0343-0000	0.747	0.531	0.375	0.993	0.135	NYLON	NATURAL
212CN-0339-0000	0.750	0.422	0.625	0.984	0.125	ACETAL	NATURAL
212NN-0139-0000	0.750	0.650	0.125	0.844	0.047	NYLON	NATURAL
212NN-0249-0000	0.781	0.672	0.219	1.000	0.047	NYLON	NATURAL
212NN-0169-0000	0.781	0.675	0.375	1.000	0.047	NYLON	NATURAL
212LN-0269-0000	0.785	0.593	0.500	0.900	0.125	LINEAR POLY	WHITE
212NN-0237-0000	0.875	0.750	0.375	1.125	0.062	NYLON	NATURAL
212NN-0197-0000	0.875	0.765	0.875	1.125	0.125	NYLON	NATURAL
212NN-0309-0000	0.885	0.635	0.625	1.500	0.062	NYLON	NATURAL
212LN-0221-0000	0.906	0.760	0.250	1.125	0.062	LINEAR POLY	WHITE
212BB-0100-0000	0.925	0.800	0.885	1.000	0.080	BUTYRATE	BLACK
212BB-0148-0000	0.940	0.750	0.885	1.000	0.080	BUTYRATE	BLACK
212NN-0264-0000	1.000	0.760	0.437	1.375	0.125	NYLON	NATURAL
212LN-0341-0000	1.000	0.810	0.730	2.000	0.080	LINEAR POLY	WHITE
212LN-0109-0000	1.018	0.675	0.475	1.250	0.100	LINEAR POLY	WHITE

FLANGED BUSHINGS



SPECIFICATIONS

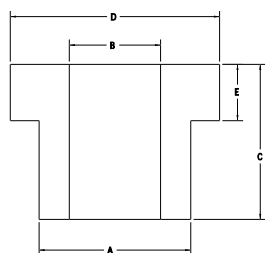
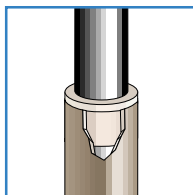
- Standard Color: See Chart
- Standard Material: See Chart

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SPACERS, WASHERS & BUSHINGS

FLANGED BUSHINGS



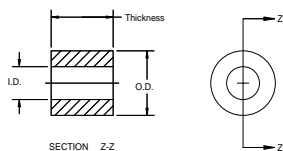
DIMENSIONS (IN.)

PART NUMBER	A	B	C	D	E	MATERIAL	COLOR
212LN-0206-0000	1.075	0.980	0.500	1.500	0.047	LINEAR POLY	WHITE
212NN-0201-0000	1.250	1.000	0.578	1.328	0.203	NYLON	NATURAL
212NN-0202-0000	1.250	1.000	0.578	1.875	0.203	NYLON	NATURAL
212LN-0234-0000	1.375	1.250	0.594	1.625	0.094	LINEAR POLY	WHITE
212LN-0204-0000	1.394	1.245	0.588	1.634	0.090	LINEAR POLY	WHITE
212NN-0238-0000	1.500	1.330	0.375	1.750	0.062	NYLON	NATURAL
212NN-0215-0000	1.500	1.400	0.146	1.687	0.062	NYLON	NATURAL
212NN0325-0000	1.625	1.000	0.500	2.000	0.125	NYLON	NATURAL
212PB-0159-0000	1.740	1.540	0.781	1.875	0.060	POLYETHYLENE	BLACK
212NN-0233-0000	1.740	1.625	0.813	1.937	0.062	NYLON	NATURAL
212LN-0284-0000	1.875	1.625	0.812	2.062	0.062	LINEAR POLY	WHITE
212LN-0246-0000	1.875	1.750	0.812	2.062	0.062	LINEAR POLY	WHITE

SPECIFICATIONS

- Standard Color: See Chart
- Standard Material: See Chart

METRIC SPACERS



DIMENSIONS (MM)

PART NUMBER	I.D.	O.D.	THICKNESS	QTY	MATERIAL	COLOR
MNS-36476	3.1	6.0	7.5	3,000	NYLON	NATURAL
MNS-36494	4.2	8.0	10.0	2,000	NYLON	NATURAL
MNS-36497	5.2	10.0	7.5	2,000	NYLON	NATURAL
MNS-36498	5.2	10.0	10.0	2,000	NYLON	NATURAL
MNS-36499	5.2	10.0	15.0	2,000	NYLON	NATURAL
MNS-12943	5.2	12.0	11.0	1,000	NYLON	NATURAL
MNS-36508	6.3	15.0	7.5	1,000	NYLON	NATURAL
MNS-10363	6.3	15.0	7.6	1,000	NYLON	NATURAL
MNS-36509	6.3	15.0	10.0	1,000	NYLON	NATURAL
MNS-36510	6.3	15.0	15.0	1,000	NYLON	NATURAL
MNS-61558	6.4	12.7	12.7	4,000	NYLON	NATURAL
MNS-36515	8.2	12.0	10.0	2,000	NYLON	NATURAL
MNS-36517	8.2	12.0	25.0	1,000	NYLON	NATURAL
MNS-36520	8.2	18.0	10.0	1,000	NYLON	NATURAL
MNS-36522	8.2	18.0	20.0	1,000	NYLON	NATURAL
MNS-36526	10.3	15.0	10.0	2,000	NYLON	NATURAL
MNS-32768	10.3	15.0	20.0	1,000	NYLON	NATURAL
MNS-32385	12.6	25.0	25.0	1,000	NYLON	NATURAL
MNS-36532	12.8	18.0	10.0	1,000	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

MNS Series

- Cost effective alternative to metal.
- Absorbs shocks and vibration.
- Self-lubricating.
- Range covers most diameters.



SPACERS, WASHERS & BUSHINGS



PART NUMBER	DIMENSIONS (MM)			QTY	MATERIAL	COLOR
	A I.D.	B O.D.	C THK.			
MNW-34886	4.3	9.0	1.4	6,000	NYLON	NATURAL
MNW-36441	5.2	10.0	1.0	5,000	NYLON	NATURAL
MNW-32739	5.3	10.0	5.0	1,000	NYLON	NATURAL
MNW-36552	6.4	4.0	1.0	2,000	NYLON	BLACK
MNW-34888	6.4	12.0	1.6	5,000	NYLON	NATURAL
MNW-12474	6.4	12.7	4.9	5,000	NYLON	NATURAL
MNW-60939	6.4	14.3	1.6	7,000	NYLON	NATURAL
MNW-50504	6.4	14.3	3.2	5,000	NYLON	NATURAL
MNW-32743	6.4	18.0	2.0	3,000	NYLON	NATURAL
MNW-32744	6.4	30.0	3.0	1,000	NYLON	NATURAL
MNW-36444	6.5	15.0	3.0	1,000	NYLON	NATURAL
MNW-32748	8.4	17.0	2.0	4,000	NYLON	NATURAL
MNW-36452	10.2	17.0	2.0	3,000	NYLON	NATURAL
MNW-34889	10.5	21.0	2.5	3,000	NYLON	NATURAL
MNW-32756	17.2	30.0	3.0	2,000	NYLON	NATURAL
MNW-32758	21.0	37.0	3.0	1,000	NYLON	NATURAL
MNW-32759	22.2	34.0	1.5	1,000	NYLON	NATURAL
MNW-32760	23.2	38.0	1.7	1,000	NYLON	NATURAL

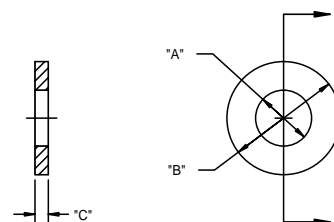
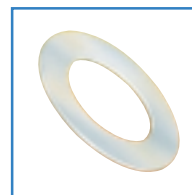
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

MNW Series

- Insulates against moisture and electricity.
- Resists corrosion, abrasion and most chemicals.
- Provides full insulation, cushioning and spacing.

METRIC WASHERS



PART NUMBER	DIMENSIONS (MM)				QTY	MATERIAL	COLOR
	A I.D.	B MINOR O.D.	C MAJOR O.D.	D LENGTH			
MNBF-36614	5.0	8.0	11.0	10.0	2,000	NYLON	NATURAL
MNBF-36615	6.0	9.0	12.0	6.0	2,000	NYLON	NATURAL
MNBF-36616	6.0	10.0	15.0	8.5	2,000	NYLON	NATURAL
MNBF-34902	8.0	11.0	16.0	13.0	2,000	NYLON	NATURAL
MNBF-36619	8.0	12.0	16.0	6.0	2,000	NYLON	NATURAL
MNBF-32772	8.0	14.0	20.0	10.0	1,000	NYLON	NATURAL
MNBF-34917*	10.0	12.0		12.0	1,000	NYLON	NATURAL
MNBF-36620	10.0	12.0	16.0	6.0	2,000	NYLON	NATURAL
MNBF-36621	10.0	13.0	18.0	8.0	2,000	NYLON	NATURAL
MNBF-32773	10.0	13.0	18.0	16.0	1,000	NYLON	NATURAL
MNBF-32439	10.0	14.0	20.0	10.0	1,000	NYLON	NATURAL
MNBF-36623	10.0	16.0	21.0	10.0	1,000	NYLON	NATURAL
MNBF-36624	12.0	14.0	20.0	10.0	1,000	NYLON	NATURAL
MNBF-32774	12.0	16.0	21.0	10.0	1,000	NYLON	NATURAL
MNBF-34903	12.0	16.0	21.0	19.0	1,000	NYLON	NATURAL
MNBF-36625*	16.0	20.0		15.0	1,000	NYLON	NATURAL
MNBF-32706	16.0	20.0	28.0	15.5	1,000	NYLON	NATURAL
MNBF-36630	18.0	22.0	30.0	25.0	1,000	NYLON	NATURAL
MNBF-36635	25.0	30.0	37.0	30.0	1,000	NYLON	NATURAL
MNBF-39133	28.0	33.0	40.0	33.0	1,000	NYLON	NATURAL

*Without Flange

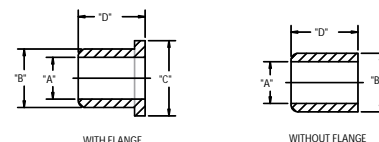
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

MNBF Series

- Self-lubricating.
- Low coefficient of friction.
- Ideal for anything that pivots or rotates.
- Impervious to moisture, dirt and most chemicals.
- Available with or without flange.

METRIC FLANGED BUSHINGS

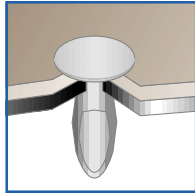


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FASTENERS

FASTENERS & RIVETS

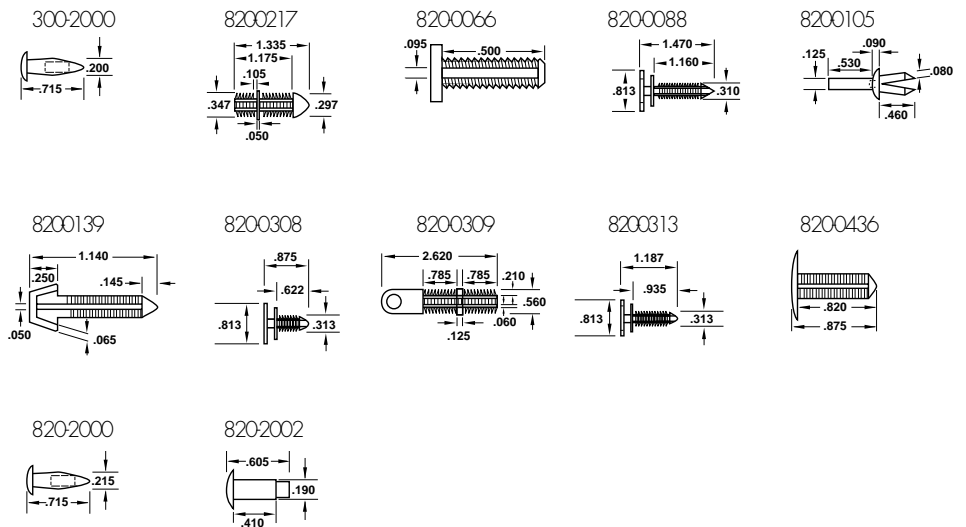


PART NUMBER	DESCRIPTION	STANDARD MATERIAL
300-2000	SNAP RIVET	NYLON
820-0217	DOUBLE END FASTENER	NYLON
820-0066	PANEL FASTENER	NYLON
820-0088	PANEL FASTENER - DOUBLE HEAD	NYLON
820-0105	DRIVEN RIVET	NYLON
820-0139	PANEL FASTENER	NYLON
820-0308	PANEL FASTENER	NYLON
820-0309	PANEL FASTENER	NYLON
820-0313	PANEL FASTENER	NYLON
820-0436	PANEL FASTENER CHRISTMAS TREE CLIP	NYLON
820-2000	SNAP RIVET	NYLON
820-2002	SNAP RIVET	NYLON

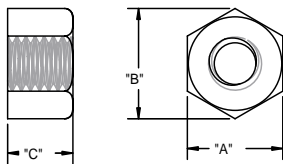
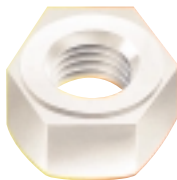
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

820 Series



HEX NUTS



PART NUMBER	DESC.	A ACROSS FLATS	B ACROSS POINTS	C THK	QTY	MATERIAL	COLOR
NHN-256	2-56	0.180	0.205	0.070	2,500	NYLON	NATURAL
NHN-440*	4-40	0.180	0.205	0.070	1,000	NYLON	NATURAL
NHN-440*	4-40	0.250	0.275	0.100	2,500	NYLON	NATURAL
NHN-632	6-32	0.305	0.350	0.120	2,500	NYLON	NATURAL
NHN-832	8-32	0.335	0.380	0.130	2,500	NYLON	NATURAL
NHN-1024	10-24	0.365	0.420	0.135	2,500	NYLON	NATURAL
NHN-1032	10-32	0.365	0.420	0.135	2,500	NYLON	NATURAL
NHN-1420	1/4-20	0.425	0.510	0.200	2,500	NYLON	NATURAL
NHN-1428	1/4-28	0.425	0.510	0.200	2,500	NYLON	NATURAL
NHN-51618	5/16-18	0.500	0.575	0.270	1,000	NYLON	NATURAL
NHN-3816	3/8-16	0.560	0.630	0.330	1,000	NYLON	NATURAL
NHN-1213	1/2-13	0.750	0.860	0.430	1,000	NYLON	NATURAL

*Small

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

NHN Series



FASTENERS

PART NUMBER	DESC.	A ACROSS FLATS	B ACROSS POINTS	C THK	QTY	MATERIAL	COLOR
NCN-1024	10-24	0.365	0.420	0.400	1,500	NYLON	NATURAL
NCN-1420	1/4-20	0.425	0.495	0.470	1,000	NYLON	NATURAL
NCN-3824	3/8-24	0.550	0.630	0.610	1,000	NYLON	NATURAL

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

NCN Series

PART NUMBER	DESC.	A	B	C	D	QTY	MATERIAL	COLOR
NWNSP-1420	1/4-20*	1.100	0.630	0.300	0.560	1,000	NYLON	NATURAL
NWN-1420	1/4-20**	1.250	0.720	0.360	0.650	1,000	NYLON	NATURAL
NWN-1213	1/4-13	1.750	0.900	0.580	0.850	500	NYLON	NATURAL

*Small Pattern

**Large Pattern

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

NWN Series

PART NUMBER	DESC.	A ACROSS FLATS	B ACROSS POINTS	C THK	QTY	MATERIAL	COLOR
NLNST-440*	4-40	0.250	0.275	0.18	1,500	NYLON	NATURAL
NLN-832	8-32	0.335	0.380	0.23	1,500	NYLON	NATURAL
NLN-1024	24-10	0.365	0.420	0.25	1,500	NYLON	NATURAL
NLN-1032	10-32	0.365	0.420	0.25	1,500	NYLON	NATURAL

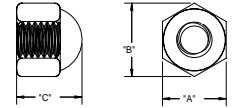
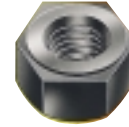
* Selfthreading

SPECIFICATIONS

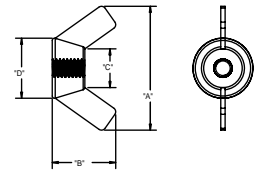
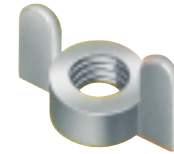
- Standard Color: Natural
- Standard Material: Nylon

NLN Series

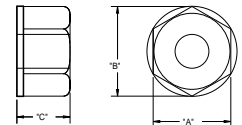
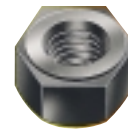
CAP NUTS



WING NUTS

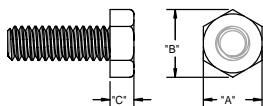


LOCK NUTS



FASTENERS

HEX CAP SCREWS



THREAD SIZE	A	B	C
1/4-20	0.430	0.500	0.175
5/16-18	0.495	0.570	0.200
3/8-16	0.555	0.635	0.235
1/2-13	0.750	0.850	0.315

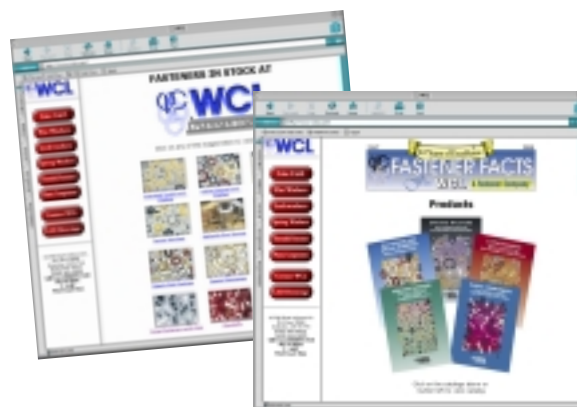
PART NUMBER	DESC.	QTY	MATERIAL	COLOR
NHCS-142014	1/4-20 X 1/4	1,500	NYLON	NATURAL
NHCS-1420516	1/4-20 X 5/16	1,500	NYLON	NATURAL
NHCS-142038	1/4-20 X 3/8	1,500	NYLON	NATURAL
NHCS-1420716	1/4-20 X 7/16	1,500	NYLON	NATURAL
NHCS-142012	1/4-20 X 1/2	1,500	NYLON	NATURAL
NHCS-142058	1/4-20 X 5/8	1,500	NYLON	NATURAL
NHCS-142034	1/4-20 X 3/4	1,500	NYLON	NATURAL
NHCS-142078	1/4-20 X 7/8	1,500	NYLON	NATURAL
NHCS-14201	1/4-20 X 1	1,500	NYLON	NATURAL
NHCS-1420114	1/4-20 X 1-1/4	1,500	NYLON	NATURAL
NHCS-1420112	1/4-20 X 1-1/2	1,500	NYLON	NATURAL
NHCS-14202	1/4-20 X 2	1,500	NYLON	NATURAL
NHCS-1420212	1/4-20 X 2-1/2	1,500	NYLON	NATURAL
NHCS-14205	1/4-20 X 5	500	NYLON	NATURAL
NHCS-5161812	5/16-18 X 1/2	1,000	NYLON	NATURAL
NHCS-5161834	5/16-18 X 3/4	1,000	NYLON	NATURAL
NHCS-5161811	5/16-18 X 1-1/2	1,000	NYLON	NATURAL
NHCS-5161813	5/16-18 X 1-3/8	1,000	NYLON	NATURAL
NHCS-381612	3/8-16 X 1/2	1,000	NYLON	NATURAL
NHCS-381634	3/8-16 X 3/4	1,000	NYLON	NATURAL
NHCS-38161	3/8-16 X 1	1,000	NYLON	NATURAL
NHCS-3816112	3/8-16 X 1-1/2	1,000	NYLON	NATURAL
NHCS-1213112	1/2-13 X 1-1/2	500	NYLON	NATURAL
NHCS-12132	1/2-13 X 2	500	NYLON	NATURAL
NHCS-1213212	1/2-13 X 2-1/2	500	NYLON	NATURAL

SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*

NHCS Series

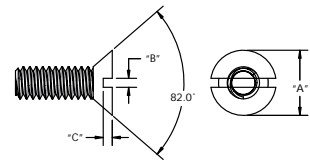
USE THE WEB...



THREAD SIZE	A	B	C
0-80	0.119	0.023	0.013
1-72	0.140	0.026	0.019
2-56	0.172	0.028	0.020
4-40	0.225	0.035	0.025
6-32	0.279	0.045	0.030
8-32	0.332	0.050	0.035
10-32	0.385	0.055	0.045
1/4-20	0.507	0.070	0.070

PART NUMBER	DESC.	QTY	MATERIAL	COLOR
NFL-44018	4-40 X 1/8	2,500	NYLON	NATURAL
NFL-44014	4-40 X 1/4	2,500	NYLON	NATURAL
NFL-44038	4-40 X 3/8	2,500	NYLON	NATURAL
NFL-44012	4-40 X 1/2	2,500	NYLON	NATURAL
NFL-44034	4-40 X 3/4	2,500	NYLON	NATURAL
NFL-4401	4-40 X 1	2,500	NYLON	NATURAL
NFL-63214	6-32 X 1/4	2,500	NYLON	NATURAL
NFL-63238	6-32 X 3/8	2,500	NYLON	NATURAL
NFL-63212	6-32 X 1/2	2,500 </td <td>NYLON</td> <td>NATURAL</td>	NYLON	NATURAL
NFL-63234	6-32 X 3/4	2,500	NYLON	NATURAL
NFL-6321	6-32 X 1	2,500	NYLON	NATURAL
NFL-83238	8-32 X 3/8	2,500	NYLON	NATURAL
NFL-83212	8-32 X 1/2	2,500	NYLON	NATURAL
NFL-83234	8-32 X 3/4	2,000	NYLON	NATURAL
NFL-83212	8-32 X 1/2	2,000	NYLON	NATURAL
NFL-103238	10-32 X 3/8	2,000	NYLON	NATURAL
NFL-103212	10-32 X 1/2	2,000	NYLON	NATURAL
NFL-103234	10-32 X 3/4	2,000	NYLON	NATURAL
NFL-103212	10-32 X 1	2,000	NYLON	NATURAL
NFL-142012	1/4-20 X 1/2	2,000	NYLON	NATURAL
NFL-142034	1/4-20 X 3/4	2,000	NYLON	NATURAL
NFL-142012	1/4-20 X 1	2,000	NYLON	NATURAL

SLOTTED FLAT MACHINE SCREWS



SPECIFICATIONS

NFL Series

- Standard Color: Natural
- Standard Material: Nylon

- Check out our product selector
- Request literature, product samples and quotations
- View our complete plastics range
- Search for specific product by part number or keyword
- Find product information, latest products and news

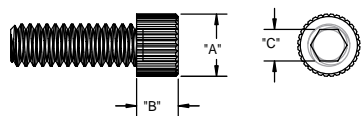
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FASTENERS

SOCKET HEAD CAP SCREWS



THREAD SIZE	A	B	C	HEX DEPTH
4-40	0.183	0.112	0.093	0.051
6-32	0.223	0.136	0.109	0.064
8-32	0.270	0.164	0.141	0.077
10-24	0.312	0.190	0.156	0.090
10-32	0.312	0.190	0.156	0.090
1/4-20	0.370	0.248	0.370	0.120

PART NUMBER	DESC.	QTY	MATERIAL	COLOR
NSHC-44018	4-40 X 1/8	2,500	NYLON	NATURAL
NSHC-44014	4-40 X 1/4	2,500	NYLON	NATURAL
NSHC-44038	4-40 X 3/8	2,500	NYLON	NATURAL
NSHC-44012	4-40 X 1/2	2,500	NYLON	NATURAL
NSHC-44034	4-40 X 3/4	2,500	NYLON	NATURAL
NSHC-4401	4-40 X 1	2,500	NYLON	NATURAL
NSHC-632018	6-32 X 1/8	2,500	NYLON	NATURAL
NSHC-63214	6-32 X 1/4	2,500	NYLON	NATURAL
NSHC-63238	6-32 X 3/8	2,500	NYLON	NATURAL
NSHC-63212	6-32 X 1/2	2,500	NYLON	NATURAL
NSHC-63234	6-32 X 3/4	2,500	NYLON	NATURAL
NSHC-6321	6-32 X 1	2,500	NYLON	NATURAL
NSHC-83218	8-32 X 1/8	2,500	NYLON	NATURAL
NSHC-83214	8-32 X 1/4	2,500	NYLON	NATURAL
NSHC-83238	8-32 X 3/8	2,500	NYLON	NATURAL
NSHC-83212	8-32 X 1/2	2,500	NYLON	NATURAL
NSHC-83234	8-32 X 3/4	2,500	NYLON	NATURAL
NSHC-8321	8-32 X 1	2,500	NYLON	NATURAL
NSHC-102418	10-24 X 1/8	2,000	NYLON	NATURAL
NSHC-102414	10-24 X 1/4	2,000	NYLON	NATURAL
NSHC-102438	10-24 X 3/8	2,000	NYLON	NATURAL
NSHC-102412	10-24 X 1/2	2,000	NYLON	NATURAL
NSHC-102434	10-24 X 3/4	2,000	NYLON	NATURAL
NSHC-10241	10-24 X 1	2,000	NYLON	NATURAL
NSHC-103218	10-32 X 1/8	2,000	NYLON	NATURAL
NSHC-103214	10-32 X 1/4	2,000	NYLON	NATURAL
NSHC-103238	10-32 X 3/8	2,000	NYLON	NATURAL
NSHC-103212	10-32 X 1/2	2,000	NYLON	NATURAL
NSHC-103234	10-32 X 3/4	2,000	NYLON	NATURAL
NSHC-10321	10-32 X 1	2,000	NYLON	NATURAL
NSHC-142014	1/4-20 X 1/4	2,000	NYLON	NATURAL
NSHC-142038	1/4-20 X 3/8	2,000	NYLON	NATURAL
NSHC-142012	1/4-20 X 1/2	2,000	NYLON	NATURAL
NSHC-142034	1/4-20 X 3/4	2,000	NYLON	NATURAL
NSHC-14201	1/4-20 X 1	2,000	NYLON	NATURAL

SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*

NSHC Series



FASTENERS



PART NUMBER	PANEL HOLE SIZE (IN.)	THICKNESS RANGE (IN.)	HEAD SIZE HEAD STYLE (IN.)	HEAD "B" (IN.)	LOCK HEIGHT "A" (IN.)	LENGTH "C" (IN.)
FR-001	0.187	.025/.365	A	0.375	0.070	0.500
FR-002	0.187	.030/.330	B	0.435	0.068	0.562
FR-003*	0.187	.125/.450	C	0.300	0.065	0.700
FR-004	0.250	.105/.300	A	0.700	0.100	0.473
FR-005	0.250	.150/.535	A	0.700	0.107	0.783
FR-006	0.281	.093/.500	A	0.625	0.110	0.890

*Part will be molded in black polypropylene.
*Head will have a textured finish.

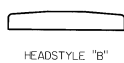
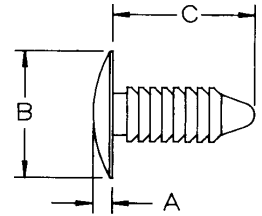
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Nylon

FR Series

Ratchet Fasteners are designed to provide an economical fastening method over a wide range of panel thicknesses and materials. The easy hand installation assures a quick assembly and a strong and reliable finished product.

RATCHET FASTENERS



PART NUMBER	LENGTH "B"	CLIP DIAMETER "C"	HOLE SIZE	PANEL THICKNESS RANGE	HEAD DIAMETER "D"	HEAD HEIGHT "A"
FAC-001	0.187	0.107	.085/.090	.032/.107	0.125	0.030
FAC-002	0.330	0.140	.120/.135	.062/.125	0.270	0.040
FAC-003	0.390	0.150	.118/.122	.062/.125	0.280	0.060
FAC-004	0.390	0.196	.151/.161	.062/.125	0.280	0.040
FAC-005	0.400	0.180	.151/.161	.062/.145	0.280	0.080
FAC-006	0.400	0.186	.160/.165	.032/.125	0.280	0.080
FAC-007	0.400	0.225	.182/.192	.062/.125	0.360	0.060
FAC-008	0.450	0.225	.213/.223	.062/.125	0.370	0.060
FAC-009	0.458	0.363	.335/.354	.062/.140	0.866	0.050
FAC-010	0.525	0.206	.182/.192	.165/.185	0.375	0.060
FAC-011	0.540	0.225	.182/.192	.310/.330	0.370	0.060
FAC-012	0.540	0.248	.213/.223	.125/.187	0.370	0.060
FAC-013	0.630	0.280	.250/.260	.125/.250	0.500	0.050
FAC-014	0.810	0.286	.250/.260	.360/.380	0.615	0.065
FAC-015	0.895	0.375	.330/.340	.125/.350	0.685	0.070

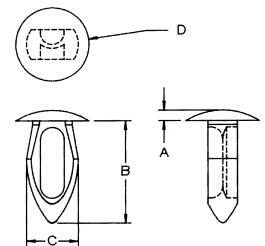
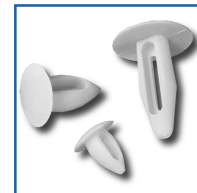
SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

FAC Series

Reusable, molded nylon fasteners feature an inexpensive, fast method to hand assemble metal, wood, plastic, composition, or other thin gauge materials. The specially designed body compresses as it is forced through a prepunched hole and springs back to its original shape to lock the assembled parts securely. The versatile clips can be disassembled and reused again and again. They provide an economical, electrical insulating, vibration, abrasion, and corrosion-resistant connection.

ARROW CLIP FASTENERS

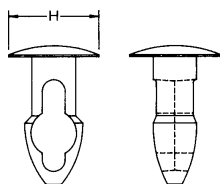


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FASTENERS

KEY-HOLE CLIPS



PART NUMBER	"H" HEAD (IN.)	HOLE SIZE (IN.)	PANEL THICKNESS (IN.)
FKH-001	1/4	0.125	0.093
FKH-002	1/4	0.125	0.125
FKH-003	1/4	0.125	0.156
FKH-004	1/4	0.125	0.188
FKH-005	1/4	0.125	0.219
FKH-006	1/4	0.125	0.250
FKH-007	5/16	0.156	0.093
FKH-008	5/16	0.156	0.125
FKH-009	5/16	0.156	0.156
FKH-010	5/16	0.156	0.187
FKH-011	5/16	0.156	0.218
FKH-012	5/16	0.156	0.250
FKH-013	5/16	0.156	0.281
FKH-014	5/16	0.156	0.312
FKH-015	5/16	0.156	0.343
FKH-016	5/16	0.156	0.375
FKH-017	11/32	0.219	0.093
FKH-018	11/32	0.219	0.125
FKH-019	11/32	0.219	0.156
FKH-020	11/32	0.219	0.187
FKH-021	11/32	0.219	0.219
FKH-022	11/32	0.219	0.250
FKH-023	11/32	0.219	0.281
FKH-024	11/32	0.219	0.312
FKH-025	1/2	0.250	0.093
FKH-026	1/2	0.250	0.125
FKH-027	1/2	0.250	0.156
FKH-028	1/2	0.250	0.187
FKH-029	1/2	0.250	0.219
FKH-030	1/2	0.250	0.250
FKH-031	1/2	0.250	0.281
FKH-032	1/2	0.250	0.312
FKH-033	1/2	0.250	0.343
FKH-034	1/2	0.250	0.375

SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*

FKH Series

Panel fastener incorporates a new design. Key-hole shaped interior allows the part to collapse more completely for easy assembly with finger pressure, and the tapered, bulletstyle point slides into any hole easily. Angled panel lock section takes up slack in panels to provide for a tight assembly. Design allows for a relatively large clip diameter to hole size ratio, resulting in higher retention force. Parts can be tooled for a large variety of hole and panel variations.

FASTENERS



PART NUMBER	D (IN.)	A (IN.)	B (IN.)	C (IN.)	H (IN.)	L (IN.)
FPI-001	0.093	0.063	0.078	0.100	9/32	0.165
FPI-002	0.093	0.115	0.085	0.145	1/4	0.240
FPI-003	0.112	0.550	0.135	0.145	1/4	0.745
FPI-005	0.115	0.135	0.135	0.140	13/64	0.295
FPI-004	0.115	0.235	0.070	0.137	13/64	0.345
FPI-006	0.115	0.250	0.106	0.145	13/64	0.395
FPI-008	0.124	0.080	0.070	0.180	15/64	0.205
FPI-007	0.124	1.010	0.082	0.164	15/64	1.130
FPI-009	0.160	0.130	0.110	0.200	11/32	0.270
FPI-010	0.165	0.125	0.137	0.202	11/32	0.325
FPI-011	0.165	0.065	0.137	0.202	11/32	0.325
FPI-013	0.175	0.242	0.174	0.224	11/32	0.490
FPI-012	0.175	0.875	0.174	0.224	11/32	1.115
FPI-014	0.197	0.129	0.148	0.238	15/32	0.399
FPI-015	0.200	0.156	0.125	0.228	15/32	0.333
FPI-016	0.240	0.281	0.176	0.280	1/2	0.513
FPI-018	0.240	0.330	0.165	0.295	29/64	0.555
FPI-017	0.240	0.498	0.176	0.280	1/2	0.734
FPI-019	0.242	0.375	0.175	0.281	1/2	0.609
FPI-020	0.243	0.064	0.185	0.280	1/2	0.370
FPI-021	0.245	0.480	0.187	0.293	19/32	0.720
FPI-022	0.255	0.197	0.185	0.295	11/32	0.415
FPI-023	0.290	0.140	0.255	0.360	11/16	0.468

"L" Dimension (total length) = +/- .015".

SPECIFICATIONS

- Standard Color: Natural
- Standard Material: Nylon

FPI Series

Provides an inexpensive, fast, convenient method to join plastic, light sheet metal, insulating materials, circuit boards, or any other thin, lightweight material. Use as push-in glides or as bumpers. Specially designed legs provide compression and expansion to lock fastener into prepunched holes. Vibration, abrasion, and corrosion resistant, and features large heads for easier assembly.



PART NUMBER	HOLE SIZE (MM)	PANEL THICKNESS (MM)	D (MM)	H ₁ (MM)	H ₂ (MM)	BOX QTY
460-436	4.75	0.64-9.27	9.53	12.70	1.78	1,000
460-437	4.75	0.76-8.38	11.05	14.27	1.73	1,000
460-439	6.35	2.67-7.62	17.78	11.10	2.54	1,000
460-440	6.35	3.81-13.51	17.78	18.88	2.71	1,000
460-441	7.13	2.36-12.70	15.87	22.61	2.79	1,000

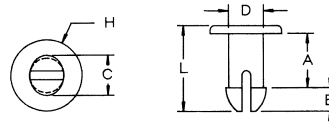
SPECIFICATIONS

- Standard Color: Black
- Standard Material: Nylon

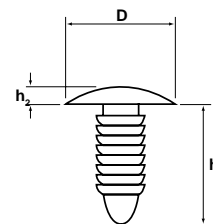
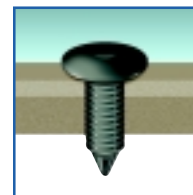
460 Series

Ideal for threaded, nonthreaded, drilled or punched holes.

PUSH-IN FASTENERS (STUD BUTTONS)



BARBED PUSH FASTENERS

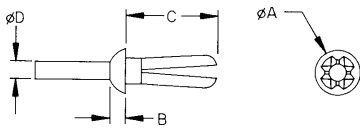
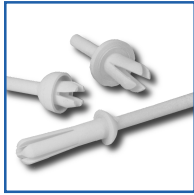


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FASTENERS

DRIVE RIVET FASTENERS



PART NUMBER	NOMINAL HOLE (IN.)	PIN DIAMETER "D" (IN.)	PANEL THICKNESS RANGE (IN.)	HEAD DIAMETER HEAD STYLE	HEAD HEIGHT "A" (IN.)	LOCK LENGTH "B" (IN.)	"C" (IN.)
FDR-001	0.125	0.075	.031/.140	ROUND	0.218	0.060	0.225
FDR-002	0.156	0.093	.187/.250	BINDER	0.218	0.050	0.312
FDR-003	0.156	0.093	.218/.383	BINDER	0.218	0.050	0.421
FDR-004	0.160	0.093	.062/.180	ROUND	0.295	0.050	0.230
FDR-005	0.160	0.093	.218/.312	ROUND	0.375	0.050	0.355
FDR-006	0.187	0.125	.031/.200	ROUND	0.275	0.075	0.295
FDR-007	0.187	0.125	.062/.187	TRUSS	0.281	0.050	0.296
FDR-008	0.187	0.125	.062/.187	ROUND	0.281	0.075	0.295
FDR-009	0.187	0.125	.062/.187	TRUSS	0.437	0.075	0.295
FDR-010	0.187	0.125	.062/.187	ROUND	0.375	0.080	0.295
FDR-011	0.187	0.125	.078/.375	ROUND	0.281	0.047	0.450
FDR-012	0.187	0.125	.078/.375	BINDER	0.312	0.062	0.450
FDR-013	0.187	0.125	.156/.281	TRUSS	0.430	0.075	0.380
FDR-014	0.187	0.125	.156/.281	TRUSS	0.437	0.075	0.380
FDR-015	0.187	0.125	.156/.281	ROUND	0.375	0.080	0.380
FDR-016	0.187	0.125	.312/.440	BINDER	0.281	0.075	0.535
FDR-017	0.187	0.125	.312/.440	ROUND	0.320	0.109	0.535
FDR-018	0.187	0.125	.375/.500	BINDER	0.281	0.080	0.625
FDR-019*	0.187	0.125	.375/.750	ROUND	0.320	0.109	0.850
FDR-020	0.218	0.120	.093/.350	ROUND	0.375	0.080	0.450
FDR-021	0.218	0.120	.187/.250	TRUSS	0.375	0.080	0.343
FDR-022	0.218	0.125	.031/.062	BUTTON	0.375	0.223	0.170
FDR-023	0.250	0.125	.062/.125	ROUND	0.370	0.080	0.218
FDR-024	0.250	0.150	.093/.312	BINDER	0.468	0.080	0.500
FDR-025	0.250	0.150	.350/.500	BINDER	0.468	0.080	0.620
FDR-026	0.250	0.155	.156/.330	BINDER	0.468	0.080	0.375
FDR-027	0.275	0.150	.062/.600	ROUND	0.370	0.080	0.640
FDR-028	0.275	0.150	.093/.350	BINDER	0.620	0.109	0.480
FDR-029	0.280	0.187	.062/.350	TRUSS	0.485	0.075	0.468

+ .005/- .015 For lock length "C".

SPECIFICATIONS

- *Standard Color: Natural*
- *Standard Material: Nylon*

FDR Series

Drive Rivet Fasteners are one-piece nylon blind rivets that offer a fast, economical, permanent, hand-installed fasteners that can be used in a wide variety of materials including sheet metal, plastic sheets, fiberglass, P.C. boards, and composition materials. Fast, easy installation can be made without tools from one side of the work piece.

FASTENER PROTECTION

PART NUMBER	TO FIT SCREW SIZES	A	B	C	BOX QTY*
USC-6810	6 TO 12	.114	.154	.539	8,000

* Molded in sets of 12 on spine.

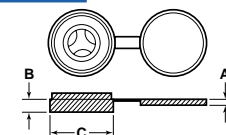
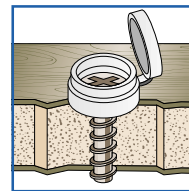
SPECIFICATIONS

- Standard Color: White
- Standard Material: Polypropylene
- Consult factory for availability of optional colors; minimum order requirements may apply

USC Series

The USC Series fits a range of screw sizes, reducing the need to inventory a wide variety of caps. Each cap will take a No. 6, 8 or 10 flat head, oval head or No. 6 round head screw.

UNISCREW CAPS



PART NUMBER	DIMENSIONS TO FIT BOLT SIZE	A	BOX QTY
BNC-0250	1/4	.437	5,000
BNC-0437	7/16	.622	2,500
BNC-0500	1/2	.740	2,000
BNC-0625	5/8	.937	1,000

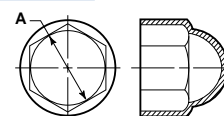
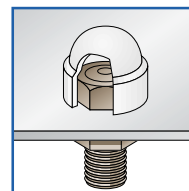
SPECIFICATIONS

- Standard Colors: Black ("B"); White ("W").
- To order, please use appropriate suffix Part No. (e.g. BCN00250B or BCN0250-W)
- Standard Material: Low Density Polyethylene

BNC Series

The BNC Series protects nuts and bolts against weathering and tampering, as well as enhances the overall appearance of your product.

BOLT & NUT PROTECTION CAPS



PART NUMBER	TO FIT DRIVE SIZE	BOX QTY
CHC-2	#2	20,000
CHC-3	#3	20,000
CHC-4	#4	20,000

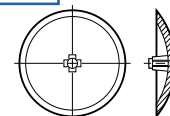
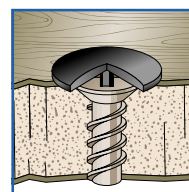
SPECIFICATIONS

- Standard Color: White
- Standard Material: Low Density Polyethylene
- Consult factory for availability of optional colors; minimum order requirements may apply

CHC Series

The Cross-Head Screw Caps provide excellent concealment and protection of Philips head screws.

CROSS-HEAD SCREW CAPS



PART NUMBER	DIMENSIONS RIVET SIZE	A	B	BOX QTY
RVC-0125	1/8	0.315	0.070	10,000
RVC-0156	5/32	0.374	0.087	10,000
RVC-0187-39	3/16	0.394	0.110	10,000
RVC-0187-51	3/16	0.512	0.118	10,000
RVC-0187-63	3/16	0.630	0.106-.118	10,000

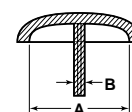
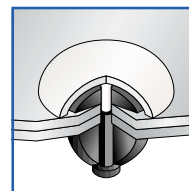
SPECIFICATIONS

- Standard Color: White
- Standard Material: Low Density Polyethylene
- Consult factory for availability of optional colors; minimum order requirements may apply

RVC Series

The RVC Series will protect and conceal the heads of most popular breakstem rivets.

RIVET CAPS

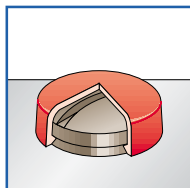


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FASTENER PROTECTION

LOW PROFILE DECORATIVE CAPS



PART NUMBER	TYPE	CAP HEIGHT	TO FIT SCREW		COLOR
			INCHES	METRIC	
LPC-6103	CAP	0.150	#3	M3	ALL COLORS*
LPC-6199	WASHER	-	#3	M3	WHITE ONLY
LPC-6308	CAP	0.165	#4/#6/#8	M4	ALL COLORS*
LPC-6399	WASHER	-	#4/#6/#8	M4	WHITE ONLY
LPC-6412	CAP	0.189	#10/#12	M5	ALL COLORS*
LPC-6499	WASHER	-	#10/#12	M5	WHITE ONLY
LPC-7412	CAP	0.240	#10/#12	M5	ALL COLORS*
LPC-6499	WASHER	-	#10/#12	M5	WHITE ONLY

* See Color Selection Chart below.

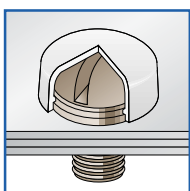
SPECIFICATIONS

- Standard Material: Polypropylene with U.V. Stabilizer
- Consult factory for availability of non-stock colors, custom or metric sizes; minimum order requirements may apply

LPC Series

A simple cap and washer system for protecting, decorating or concealing exposed bolts, screws and rivets. The LPC Series is widely used in the furniture, recreational vehicle and prefabricated home industries.

HIGH PROFILE DECORATIVE CAPS



PART NUMBER	TYPE	CAP HEIGHT	TO FIT SCREW		COLOR
			INCHES	METRIC	
HPC-8205	CAP	0.187	#4/#5	M3.5	ALL COLORS*
HPC-8299	WASHER	-	#4/#5	M3.5	WHITE ONLY
HPC-8308	CAP	0.213	#6/#8	M4	ALL COLORS*
HPC-8399	WASHER	-	#6/#8	M4	WHITE ONLY
HPC-8412	CAP	0.256	#10/#12	M5	ALL COLORS*
HPC-8499	WASHER	-	#10/#12	M5	WHITE ONLY
HPC-8610	CAP	0.488	1/4	M10	ALL COLORS*
HPC-8699	WASHER	-	1/4	M10	WHITE ONLY
HPC-8712	CAP	0.357	5/16	M12	ALL COLORS*
HPC-8799	WASHER	-	5/16	M12	WHITE ONLY

* See Color Selection Chart below.

SPECIFICATIONS

- Standard Material: Polypropylene with U.V. Stabilizer
- Consult factory for availability of nonstock colors, custom or metric sizes; minimum order requirements may apply

HPC Series

The HPC Series of Decorative Caps is interchangeable with our LPC Series; with one difference – a deeper cavity.

* These colors may not be available from stock; minimum order quantity is 10,000. A color matching service is available; minimum order quantity is 10,000 and a one-off matching fee is charged. Printing limitations may prevent exact color representation.

STANDARD COLORS

00 White	12* Hot Canary Yellow	61* Damask	52* Wood Blue	41* Menwall Green
06 Off White	15 Gold	35* Ley Fawn	50* Smith Blue	47 Ley Green
03 Antique White	17* Tan	30* Mahogany	51 Royal Blue	70 Morning Grey
05* Parchment	28 Honey-maple	29 Teak	49* Squadron Blue	71 Pantone Grey
10 Stone	65* Cinnamon	33 Sandalwood	54* Ley Blue	74 Osprey
04 Fawn	66 Orange	68 Midland Brown	55* Clipper Blue	72 Silver Grey
21 Driftwood	60 Smith Red	36 Brushwood	39* Sea Green	73* Flint
22 Putty	64* Pillar Box Red	69 Ley Brown	42* Olive Green	80 Black
				81 Stainless Steel
				82 Silver
				83 Gold



MISCELLANEOUS PRODUCTS



PART NUMBER	COLOR	DIAMETER		(M) ROLL LENGTH	(FT) ROLL
		(MM)	(INCHES)		
APFP-16	ORANGE	7 TO 15	1/4" TO 1/2"	250	821
APFP-19	YELLOW	15 TO 30	1/2" TO 1"	250	821
APFP-38	NAVY BLUE	30 TO 50	1" TO 2"	100	328
APFP-52	RED	50 TO 75	2" TO 3"	60	197
APFP-58	BEIGE	50 TO 100	2" TO 4"	50	164
APFP-118	YELLOW	100 TO 140	4" TO 5-1/2"	60	197
APFP-148	BROWN	140 TO 180	5-1/2" TO 7"	60	197
APFP-190	BEER	180 TO 220	7" TO 8-1/2"	50	164

SPECIFICATIONS

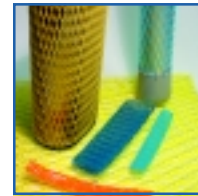
- Standard Color: See Chart
- Standard Material: Low Density Polyethylene

APFP-Series

The new APFP-series of flexible plastic netting is specifically designed with table & chair leg protection in mind. Currently available in four sizes to fit both square and round table & chair legs in diameters from 1/4" to 8-1/2", the new APFP-series provides a cost-effective alternative to more expensive and labor intensive paper wrap leg protection products.



NETTING



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MATERIALS

POLYETHYLENE

Polyethylene is one of the most popular, inexpensive, and versatile materials. Due to rigidity in thick sections and flexibility in thinner sections, Polyethylene is impervious to most alkalis, has good tensile strength and remains tough at low temperatures. Polyethylene is an excellent material for many industrial parts including caps, plugs & bumpers.

LINEAR POLYETHYLENE

Linear Polyethylene is a special high-density type of Polyethylene. It has a high rigidity, tensile strength, hardness and the ability to withstand heat distortion at high temperatures. Linear Polyethylene's toughness and self-lubricating properties are advantageous in bushing, sleeve and roller applications.

ELASTOMERIC POLYETHYLENE

Elastomeric Polyethylene is a flexible form of Polyethylene that is used when properties similar to rubber are desired. It is an excellent material for caps and similar parts that require a non-skid feature. Unlike rubber, Elastomeric Polyethylene will not age or harden and is chemically inert to most acids and alkalis.

NYLON

Nylon is recommended wherever strength and abrasion resistance is desired. Nylon has a low coefficient of friction and a toughness that makes it an excellent material for spacers, washers, bushings and bearings. Nylon has excellent electrical insulating properties and good corrosion and chemical resistance, as well as the ability to withstand high temperatures.

ACETAL

Unlike Nylon, Acetal is not susceptible to becoming brittle under dry conditions. Although not as durable as Nylon, Acetal also possesses self-lubricating properties, making it ideal for such components as wheels and rollers.

BUTYRATE

Butyrate is an excellent material for applications requiring a tough, durable and long lasting material. It is extremely well suited for glides, closures and other components that have to withstand high levels of wear. Butyrate is clear and glasslike in its natural state, but when colored, it adds a distinctive high-gloss finish to high-profile applications.

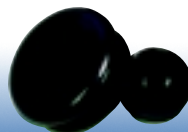
ABS

ABS is a tough, rigid material that is lightweight and impact resistant. ABS is commonly used for drawer pulls and wire management grommets due to its good adhesion for plating, as well as excellent dimensional stability.

TRY IT FREE!

SAMPLE SERVICE:

To request a sample of any of our products to evaluate before ordering, please call us toll free at **1-800-331-3816**, or visit our web site at www.wclco.com.



PROPERTIES CHART

SPECIFICATIONS

PROPERTIES	LOW DENSITY POLYETHYLENE	MEDIUM DENSITY POLYETHYLENE	HIGH DENSITY POLYETHYLENE	ELASTIC POLYETHYLENE	POLYPROPYLENE	POLYSTYRENE	NYLON	FIBER FILLED NYLON	ABS	ACETATE	BUTYRATE
SPECIFIC GRAVITY	0.910-0.925	0.926-0.940	0.941-0.965	0.922-0.943	0.902-0.906	0.98-1.1	1.13-1.15	1.17-1.52	1.05-1.22	1.22-1.34	1.18
TENSILE STRENGTH P.S.I.	600-2,300	1,200-3,500	3,100-5,500	2,200-4,000	4,300-5,500	3,000-6,800	9,000-12,000	13,000-35,000	6,498	1,900-9,000	4163
ELONGATION %	90-800	50-600	15-100	300-750	200-700	5-80	60-300	15-10	27	6-70	37
COMPRESSIVE STRENGTH P.S.I.	—	—	3,200	—	5,500-8,000	4,000-9,000	6,700-12,500	13,000-24,000	9,282	3,000-8,000	11,603
FLEXURAL STRENGTH P.S.I.	—	4,800-7,000	1,000	—	6,000-8,000	5,000-10,000	NO BREAK	15,500-40,000	10,414	2,000-16,000	5,352
SPECIFIC HEAT CAL/°C/GM	0.55	0.55	0.55	0.55	0.46	0.32-0.35	0.04	0.3-0.35	0.48	0.3-0.42	0.33
RESISTANCE TO HEAT °F	180-200	220-250	250	—	250-320	140-175	180-300	300-400	188	140-220	284
HEAT DISTORTION TEMPERATURE °F	100-121 (66 P.S.I.)	120-165 (66 P.S.I.)	140-180 (66 P.S.I.)	—	205-230 (66 P.S.I.)	210 MAX (66 P.S.I.)	360-365 (66 P.S.I.)	400-510 (66 P.S.I.)	205	126 (66 P.S.I.)	208
WATER ABSORPTION %24 HR. 1/8" THICK	0.01	0.01	0.01	0.005-0.13	0.01	0.05-0.6	1.5	0.2-2.0	0.3	1.7-6.5	1.4
EFFECT OF SUNLIGHT	CRAZES RAPIDLY UNLESS BLACK COLOR OR ULTRAVIOLET INHIBITOR IS USED.										
EFFECT OF WEAK ACIDS	RESISTANT	VERY RESISTANT	VERY RESISTANT	RESISTANT	NONE	NONE	RESISTANT	RESISTANT	RESISTANT	SOFTENS	SOFTENS
EFFECT OF STRONG ALKALIES	RESISTANT	VERY RESISTANT	VERY RESISTANT	RESISTANT	NONE	NONE	RESISTANT	RESISTANT	RESISTANT	SWELLS	SWELLS
EFFECT OF STRONG ORGANIC SOLVENTS	RESISTANT BELOW (60° C) (140° F)	VERY RESISTANT BELOW (60° C) (140° F)	VERY RESISTANT BELOW (80° C) (176° F)	RESISTANT TO MOST	VERY RESISTANT BELOW (80° C) (176° F)	NONE	NONE	NONE	RESISTANT	DECOMPOSES SOLUBLE IN SOME	RESISTANT
EFFECT OF OILS AND GREASES	ATTACKED BY SOME	ATTACKED BY SOME	SLIGHT	ATTACKED BY SOME	ATTACKED BY SOME	—	NONE	NONE	NONE	—	NONE
IMPACT STRENGTH FT./LB./IN. NOTCH	NO BREAK	0.5-16	1.5-20	NO BREAK	0.5-1.5	0.5-11.0	1.0-5.5	1.3-6	1.5	1.2-2.3	2.4