

**PART NUMBER INDEX** .....xiii

**REFERENCE SECTION**

Shaftloc® Two-Piece Fastening Devices .....R-1  
 Prevent Pulley Slippage; Explore the Various Fastening Methods .....R-2  
 Fairloc®, The Better Way to Fasten Rotating Components, includes Torque Data .....R-4  
 Timing Pulley Data .....R-6  
 Fractional and Decimal Inch and Metric Equivalents.....R-7  
 U.S. to Metric Conversion Multipliers .....R-8  
 Conversion of Small Inch to mm .....R-9  
 Conversion of Small mm to Inch .....R-10  
 Multipliers for SI Units .....R-11  
 Miscellaneous Conversion Factors .....R-12  
 Diametral Pitch to Metric Gear Equivalence.....R-17  
 Ball Bearing Precision Classes and Fits .....R-19  
 Formulas of: Energy, Inertia, Torque, Power, and Work .....R-20  
 Inertia of Round Discs .....R-23  
 Inertia Conversion Table.....R-24  
 Composite of Inch and Metric Drill Sizes.....R-25  
 Standards for Inch Size Fasteners.....R-27  
 Screw Head Dimensions .....R-28  
 Metric Thread Specifications .....R-29

**TECHNICAL SECTION**

Timing Belts, Pulleys, Chains, and Sprockets .....T-0  
 Designing a Miniature Belt Drive .....2-25

**PRODUCT SECTIONS**

1 - Gears .....1-1	9 - Linear Motion • Lead Screws .....9-1
2 - Belt and Chain Drives .....2-0	10 - Hardware .....10-1
3 - Shafting .....3-1	11 - Gearheads and Speed Reducers .....11-1
4 - Shaft Accessories .....4-0	12 - Right Angle Drives .....12-0
5 - Bearings .....5-0	13 - Clutches and Brakes .....13-1
6 - Couplings .....6-0	14 - Gearmotors .....14-1
7 - Universal Joints .....7-0	15 - Miscellaneous Components .....15-0
8 - Vibration and Shock Mounts .....8-1	

**ALPHABETICAL INDEX** .....A-1



**Stock Drive Products/Sterling Instrument**, ISO 9001 + AS9100 Registered  
 250 Duffy Avenue, Hicksville, New York 11801  
**Phone:** (516) 328-3300 | **Fax:** (516) 326-8827 | **FOR ORDERS ONLY, FAX:** (800) 345-1144  
**Email:** [sdp-sisupport@sdp-si.com](mailto:sdp-sisupport@sdp-si.com) | [www.sdp-si.com](http://www.sdp-si.com)

**NOTE:** We reserve the right to make changes and corrections without notice. Every effort has been made to provide accurate technical and product information. The company disclaims responsibility for any error or omission regarding technical and product information published.

© 2018 **Stock Drive Products/Sterling Instrument**, a **Designatronics** company  
 All rights reserved herein and no portion of this catalog may be reproduced without the prior consent in writing of the company.



R  
T  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
A  

## How to Locate a Specific Part or Product Category in the Catalog

Products are organized into sections of related items. There are 15 sections in this catalog. Each section starts with a pictorial index, which includes part numbers and brief descriptions. Extensive part number and alphabetical indexes are included.

## Do You Have a Technical Question?

If you have technical questions regarding our products or cannot find a component in our catalog which meets your particular specifications, call our Applications Engineers. Our engineers can assist with product selection and offer design solutions, including simple modifications to complex custom designs.

## We Welcome Your Requests for Custom Components and Assemblies

SDP/SI designs and manufactures custom mechanical components and assemblies for motion control and small power transmission applications. Our components are used in a wide variety of product applications worldwide including aerospace, defense, military and commercial aircraft, robotics, and medical.

- Timing Belts and Pulleys
- Precision Gears
- Precision Gearboxes
- Precision Machined Components
- Molded Components
- Mechanical Assemblies
- Contract Manufacturing
- ISO 9001 + AS9100 Certified

## For a free design consultation or technical assistance,

Call our engineering department: (516) 328-3300

Fill out the form: <http://www.sdp-si.com/contact/tech.php>

Request a Quote: <http://sdp-si.com/contact/quote.php>

## Ask About Our Quantity Discounts and Place an Order

### Contact Customer Service

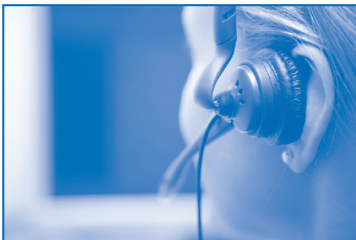
Phone: (516) 328-3300

FAX: (516) 326-8827

FAX an Order: (800) 345-1144

Email: [sdp-sisupport@sdp-si.com](mailto:sdp-sisupport@sdp-si.com)

RFQ – Request for Quote: <http://sdp-si.com/contact/quote.php>



# SETTING IDEAS INTO MOTION

The SDP/SI Engineering Department is highly regarded as among the best in the industry. Renowned for their expertise in various design, production and application engineering disciplines, SDP/SI engineers are regularly solicited for problem-solving assistance by customers and peers alike. They also work closely with clients' product development teams to achieve mutually beneficial design and cost efficiencies.

A wealth of experience and knowledge accumulated by the SDP/SI engineers through the years is contained in a design handbook previously published by the company. That information is now available at: <http://sdp-si.com/resources/>. Portions of the handbook are in print, "Timing Belts, Pulleys, Chains and Sprockets", SDP/SI Inch Master Catalog and "Elements of Gear Technology", SDP/SI Metric Master Catalog.

## If engineering is the company's driving force, manufacturing is its life blood.

Over 80% of the SDP/SI ready-to-deliver components are produced in-house. This unusually broad manufacturing capability translates into tighter control over product quality and production costs. It also facilitates just-in-time deliveries of customer orders while improving overall project management operations.

## The manufacturing division represents more than half of the company's total workforce.

Obligated to comply with exacting standards and rigid quality requirements, SDP/SI manufacturing personnel hone their exceptional skills through an effective educational process of ongoing knowledge transfer, supplemented by on-the-job training.

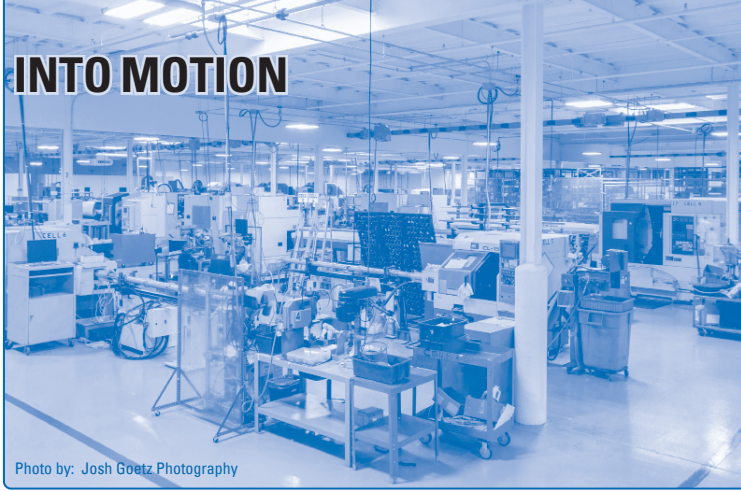


Photo by: Josh Goetz Photography

To produce its diverse line of drive and automation components, SDP/SI maintains an extensive array of metal and plastic fabricating equipment ranging from conventional engine lathes to CNC gear cutting machines, 5-axis machining centers to highly sophisticated 9-axis CNC swiss turn machines. All CNC programming is done in-house as well as any manufacturing tooling and fixtures

Never known to rest on its laurels, SDP/SI continues to probe the future for improved designs, new products...and innovative ways for setting ideas into motion.



Photo by: Josh Goetz Photography



Designatronics, Inc. and associated brands, Stock Drive Products / Sterling Instrument, QTC Metric Gears, and Quality Bearings & Components.

As used herein, “**Seller**” means Designatronics and its brands, “**Buyer**” means any person ordering goods from Seller after November 24, 2014, and “**person**” means any individual, corporation, company or other entity.

## ORDERING

**CALL:** (516) 328-3300 between 9:00 AM and 5:00 PM, Eastern Time

**CALL TOLL FREE:** (800) 819-8900

**FAX FOR ORDERS ONLY:** (800) 345-1144

**EMAIL:** [sdp-sisupport@sdp-si.com](mailto:sdp-sisupport@sdp-si.com)

**ORDER ONLINE:** <https://shop.sdp-si.com/catalog/>

When ordering, specify part numbers, quantities, desired delivery date and shipping method. For larger production quantities, Seller will provide written quote of price and delivery on request. Seller will provide current price/stock status on any catalog item by telephone or e-mail request. Quotes for modified catalog parts or custom-made parts are available on request. Please send sketches or prints.

## MINIMUM ORDER

Our minimum purchase price is \$50.00 before tax and shipping. The difference of this \$50.00 charge will be added to your subtotal balance to meet the \$50.00 minimum.

## PRICES

Prices shall be as in effect at time of purchase order or as agreed to in writing by Seller. Prices listed in its catalog or elsewhere are subject to change without notice. Please contact Seller to confirm price. Prices do not include freight, duties, special handling, certification, insurance or taxes, which are all Buyer’s responsibility.

## CREDIT

Bank and 3 trade references are required for new accounts. Until account is approved, Seller may require cash in advance, payment by approved credit card.

## TERMS

For open accounts, terms are net 30 days, F.O.B. our plant. Open accounts are invoiced for goods/freight when shipped. Seller accepts VISA®, MasterCard®, and American Express®. Buyers paying by credit card are charged for goods/freight when shipped, subject to credit card approval.

## SHIPMENT; RISK OF LOSS

Seller will ship goods as directed by Buyer or determined by Seller, usually UPS, DHL, FedEx, in any case at Buyer’s cost. Seller will endeavor to meet promised delivery dates. Buyer shall bear all risk of loss and damage after goods are delivered to carrier, including any loss or damage in transit.

## RETURNS; EXCHANGES; SHORTAGES

All returns and exchanges require prior written authorization from the Seller. Requests must be submitted within 15 days of receiving the goods. Returned items will be inspected, and a restocking fee of 25% will apply. No credit will be issued for custom-made, used, or modified parts, or for parts purchased on a quantity basis. Shortages must be reported within 10 days of receipt. If reported within this period, the Seller will make up the shortage at its cost.

## TECHNICAL AND PRODUCT INFORMATION

Seller disclaims responsibility for errors or omissions in any technical or product information contained in its catalogs or other sales materials. Buyer is solely responsible for determining if goods are suitable for purposes intended by Buyer and its customers and future users.

**ORDER CANCELLATION**

If you need to cancel or revise an order before it has shipped, Designatronics will review the order to determine any applicable charges. For orders consisting entirely of standard stock items that are already assembled and ready to ship, a minimum 25% restocking fee will apply. Orders that include non-stock, custom-made, modified, or quantity-based items are considered final and cannot be canceled. In these cases, no refunds will be issued.

**LIMITED WARRANTY**

Seller warrants that all goods it sells will be free from material defects in manufacturing and workmanship by Seller: **PROVIDED THIS LIMITED WARRANTY SHALL EXPIRE ONE (1) YEAR AFTER SHIPMENT F.O.B. OUR PLANT (the "Warranty Period") AND SHALL NOT APPLY:**

(a) unless Seller receives written notice of the breach of warranty within 30 days after discovery of the defect or non-conformance and in any event within the one (1) year Warranty Period; and  
(b) to any goods which have been (i) repaired, altered or improperly installed, (ii) subject to improper storage, (iii) damaged during or after transit, (iv) used or incorporated with or into any other product, machine or equipment after Buyer or anyone using the goods has, or reasonably should have, knowledge or the defect or non-conformance, or (v) manufactured, fabricated to assembled by anyone other than Seller.

**ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE DISCLAIMED.**

**BUYER'S REMEDIES**

At Seller's option, if it breaches the warranty set forth above, it may either (a) repair or replace defective or non-conforming goods or parts or (b) repay the price it received for goods, whichever it elects. As a condition precedent to either remedy, Buyer shall have paid the price of the goods and made them available for inspection at Buyer's place or business or returned them at Seller's request and cost and by the carrier it designates. **BUYER SHALL HAVE NO OTHER REMEDY AGAINST SELLER, AND ALL OTHER REMEDIES ARE WAIVED, INCLUDING ANY RIGHT TO RECOVER CONSEQUENTIAL OR INCIDENTAL DAMAGES.** The limited warranty set forth above and these remedies shall extend only to Buyer and not to any subsequent buyer or user of the goods. In no event shall Seller's liability for breach exceed the price paid for by the goods by Buyer.

**GOVERNING LAW; EXCLUSIVE JURISDICTION**

This contract shall be governed by the substantive laws of New York, without regard to choice of law principles. **The State and Federal courts in Nassau County, New York, shall have the exclusive jurisdiction and venue to adjudicate rights and duties under this contract.**

**PERIOD OF LIMITATIONS**

An action for breach of this contract, including breach of the limited warranty set forth above, or any other action relating to goods shipped by Seller or ordered by Buyer, must be commenced within one (1) year after the cause of action accrued.

**MISCELLANEOUS**

All orders placed with Seller after August 12, 2025 constitute acceptance of these Terms and Conditions. All conflicting, inconsistent and additional terms and conditions are rejected unless contained in writing and signed by an officer of Seller. Buyer may not assign any rights or remedies under this contract without Seller's prior written consent. If any part or provision of these Terms and Conditions is held to be invalid or unenforceable, such part or provision shall be deemed omitted, and that shall not affect the validity or enforceability of any other part or provision hereof.

Please check [www.sdp-si.com](http://www.sdp-si.com) for any updates.

**ENGINEERING CAPABILITIES**

**Design**  
**Reverse Engineering**  
**Product Development**  
**Applications**

**MANUFACTURING CAPABILITIES**

**Turning:** .25" - 6.0" OD

**Milling:** maximum 12" x 20"

**Gear Cutting:**

**Gears and Racks:**

**Inch:** 16 DP to 200 DP

**Metric:** 2.0 m to 0.2 m

**Worms and Worm Wheels:** 16 DP to 72 DP

**Gear Tolerances:**

**Molded Gears:** to AGMA 5

**Hobbed or Ground Gears:** to AGMA 14

**Shafts:**

**Diameter:** .03125" - 1.500"

**Straightness:** up to .0003"

**Length:** maximum 12'

**Available Materials (abridged):**

- Acetal
- Aluminum
- Brass
- Bronze
- Iconel
- Nylon
- Alloy Steel
- Stainless Steel
- Titanium

**Compliances and Practices:**

- ISO 9001:2015 + AS9100D Certified
- ITAR Compliant – DDTC Registered
- RoHS Compliant
- R.E.A.C.H. Compliant
- ISO 7 Class 10000 Clean Room

**High-Volume Manufacturing Facility**  
**Over 170 Machines**

**CNC Swiss Turning**  
 Multiple Spindle  
 9-Axis

**CNC Lathe (Mill-Turn)**  
 Multiple Spindle  
 5-Axis

**CNC Milling & Machining Centers**  
 4- & 5-Axis  
 With Automation

**Gear Cutting**  
 CNC Hobbing  
 CNC Shaping  
 Conflix Bevel Gear Generators  
 Rack Cutting

**Fully Equipped Tool Room**  
 Grinding Department  
 Deburring Department



For a free design consultation, call  
**516-328-3300**  
 and speak to one of our engineers.

A 1A16-.....	4-6	A 1C 5-N32.....	1-215	A 1M 6-Y48.....	1-223
A 1B 1-N24.....	1-140	A 1C 5-N48.....	1-212	A 1M12-.....	1-193
A 1B 1-N32.....	1-120	A 1C 5-Y24.....	1-219	A 1N 1-N24.....	1-136
A 1B 1-N48.....	1-96	A 1C 5-Y32.....	1-216	A 1N 1-N32.....	1-124
A 1B 1-Y24.....	1-14	A 1C 5-Y48.....	1-213	A 1N 1-N48.....	1-102
A 1B 1-Y32.....	1-13	A 1C 5-Z24.....	1-220	A 1N 2-N16.....	1-144
A 1B 1-Y48.....	1-12	A 1C 5-Z32.....	1-217	A 1N 2-N24.....	1-136
A 1B 1-Y64.....	1-11	A 1C 5-Z48.....	1-214	A 1N 2-N32.....	1-115
A 1B 2-N24.....	1-130	A 1C 9-N24.....	1-182	A 1N 2-N48.....	1-90
A 1B 2-N32.....	1-107	A 1C 9-N32.....	1-182	A 1N 2-Y16.....	1-144
A 1B 2-N48.....	1-85	A 1C 9-N48.....	1-181	A 1N 2-Y24.....	1-136
A 1B 3-Y16.....	1-204	A 1C 9-N64.....	1-180	A 1N12-.....	1-193
A 1B 3-Y24.....	1-207	A 1C 9-Y24.....	1-182	A 1P 2-Y48.....	1-86
A 1B 3-Y32.....	1-207	A 1C 9-Y32.....	1-182	A 1P 2-Y64.....	1-64
A 1B 3-Y48.....	1-207	A 1C 9-Y48.....	1-181	A 1Q 5-N48.....	1-212
A 1B 4-Y16.....	1-204	A 1C 9-Y64.....	1-180	A 1Q 5-Y24.....	1-219
A 1B 4-Y24.....	1-203	A 1C12-.....	1-193	A 1Q 5-Y32.....	1-216
A 1B 4-Y32.....	1-203	A 1C14-.....	15-6	A 1Q 5-Y48.....	1-213
A 1B 4-Y48.....	1-203	A 1C25-.....	1-227	A 1Q 5-Z24.....	1-220
A 1B 6-N24.....	1-218	A 1C26-.....	1-227	A 1Q 5-Z32.....	1-217
A 1B 6-N32.....	1-215	A 1C29-N20.....	1-184	A 1Q 5-Z48.....	1-214
A 1B 6-N48.....	1-212	A 1C29-N24.....	1-184	A 1Q55-55N32.....	1-215
A 1B 6-Y24.....	1-219	A 1C29-N32.....	1-183	A 1Q55-5N24.....	1-218
A 1B 6-Y32.....	1-216	A 1C29-N48.....	1-183	A 1Q55-5N32.....	1-215
A 1B 6-Y48.....	1-213	A 1C29-Y20.....	1-184	A 1Q55-5Y32.....	1-216
A 1B 6-Z24.....	1-220	A 1C29-Y24.....	1-184	A 1Q55-N24.....	1-218
A 1B 6-Z32.....	1-217	A 1C29-Y32.....	1-183	A 1Q55-N32.....	1-215
A 1B 6-Z48.....	1-214	A 1C29-Y48.....	1-183	A 1Q55-N48.....	1-212
A 1B 9-N24.....	1-182	A 1C55-55N32.....	1-215	A 1Q55-Y24.....	1-219
A 1B 9-N32.....	1-182	A 1C55-5N32.....	1-215	A 1Q55-Y48.....	1-213
A 1B 9-N48.....	1-181	A 1C55-N24.....	1-218	A 1Q55-Z24.....	1-220
A 1B 9-N64.....	1-180	A 1C55-N32.....	1-215	A 1Q55-Z32.....	1-217
A 1B 9-Y24.....	1-182	A 1M 2-TA32.....	1-113	A 1Q55-Z48.....	1-214
A 1B 9-Y32.....	1-182	A 1M 2-TA48.....	1-88	A 1T 2-Y24.....	1-134
A 1B 9-Y48.....	1-181	A 1M 2-Y24.....	1-135	A 1T 2-Y32.....	1-112
A 1B 9-Y64.....	1-180	A 1M 2-Y32.....	1-114	A 1T 2-Y48.....	1-87
A 1B10-N24.....	1-189	A 1M 2-Y48.....	1-89	A 1T 6-N24.....	1-222
A 1B10-N32.....	1-189	A 1M 3-Y24.....	1-206	A 1T 6-N32.....	1-222
A 1B10-N48.....	1-189	A 1M 3-Y32.....	1-206	A 1T 6-N48.....	1-222
A 1B11-N32.....	1-121	A 1M 3-Y48.....	1-206	A 1T 6-Y24.....	1-224
A 1B12-.....	1-193	A 1M 4-Y16.....	1-205	A 1T 6-Y32.....	1-224
A 1B14-.....	15-6	A 1M 4-Y24.....	1-205	A 1T 6-Y48.....	1-224
A 1C 1-N24.....	1-139	A 1M 4-Y32.....	1-205	A 1Y25-.....	1-227
A 1C 1-N32.....	1-119	A 1M 4-Y48.....	1-205	A 1Y26-.....	1-227
A 1C 1-Y32.....	1-118	A 1M 4-Y64.....	1-205	A 2B 7-.....	12-6
A 1C 2-N24.....	1-129	A 1M 5-N24.....	1-221	A 2Z 1-.....	12-11
A 1C 2-N32.....	1-108	A 1M 5-N32.....	1-221	A 2Z 2-.....	12-12
A 1C 3-Y16.....	1-204	A 1M 5-N48.....	1-221	A 2Z 3-.....	12-13
A 1C 3-Y48.....	1-207	A 1M 5-Y24.....	1-223	A 2Z 4-.....	12-7
A 1C 4-Y16.....	1-204	A 1M 5-Y32.....	1-223	A 2Z11-.....	12-15
A 1C 4-Y20.....	1-203	A 1M 5-Y48.....	1-223	A 2Z11-...P.....	12-16
A 1C 4-Y24.....	1-203	A 1M 6-N24.....	1-221	A 2Z17-E.....	12-8
A 1C 4-Y32.....	1-203	A 1M 6-N32.....	1-221	A 2Z18-E.....	12-9
A 1C 4-Y48.....	1-203	A 1M 6-N48.....	1-221	A 2Z19-E.....	12-10
A 1C 5-N24.....	1-218	A 1M 6-Y24.....	1-223	A 2Z1A-.....	12-14
		A 1M 6-Y32.....	1-223		

R

A 2Z20-...	12-5	A 5R23-...	6-68	A 6A25-...DF...	2-154
A 3C55-...	15-45	A 5R27-...	6-67	A 6A25-...NF...	2-155
A 3X50-SH...	15-36	A 5R28-...	6-53	A 6A50M...FA...	2-176
A 3X50-SK...	15-37	A 5T 2-...	6-56	A 6A50M...GT...	2-177
A 3X50-SL...	15-38	A 5T 8-D...	7-13	A 6A51-...DF...	2-180
A 3X51-...	15-39	A 5T 8-DD...	7-14	A 6A51-...NF...	2-181
A 3Y 1-...	15-18	A 5T 8-SE3...	7-16	A 6A52M...FA...	2-194
A 3Y 3-1M...	15-20	A 5T 8-SE4...	7-17	A 6A52M...GT...	2-195
A 3Y 3-1Z...	15-19	A 5T21-...	6-68	A 6A53-...	2-197
A 3Y 3-2M...	15-20	A 5T23-...	6-68	A 6A54M...FA...	2-209
A 3Y 3-2Z...	15-19	A 5X 8-SE...	7-10	A 6A54M...GT...	2-210
A 3Y 3-3M...	15-20	A 5Y 8-DM...	7-6	A 6A55-...DF...	2-214
A 3Y 3-3Z...	15-19	A 5Y 8-DU...	7-6	A 6A55-...NF...	2-215
A 3Y 3-4M...	15-20	A 5Z 1-...	6-54	A 6A61-...NF...	2-63
A 3Y 3-4Z...	15-19	A 5Z 3-...	6-55	A 6AR9M...	2-20
A 3Y 3-5M...	15-20	A 5Z 7-...	6-69	A 6AS9M...	2-21
A 3Y 3-5Z...	15-19	A 5Z 8-D...	7-13	A 6B 3-...	2-74
A 3Y 3-6M...	15-20	A 5Z 8-DD...	7-14	A 6B 3-D...	2-76
A 3Y 3-6Z...	15-19	A 5Z 8-SE3...	7-16	A 6B 3M...	2-74
A 3Z16-...	14-11	A 5Z 8-SE4...	7-17	A 6B 3MD...	2-76
A 3Z52-ML14...	15-46	A 5Z 8-SEB...	7-18	A 6B 6-...	2-54
A 3Z52-ML24...	15-47	A 5Z15-00...	6-66	A 6B 6M...	2-54
A 3Z52-ML29...	15-46	A 5Z15-33...	6-65	A 6B 8-14...	2-267
A 3Z53-ML...	15-45	A 5Z21-...	6-68	A 6B 8-17...	2-266
A 3Z53-ML15...	15-43	A 5Z23-...	6-68	A 6B 8-17...	2-266
A 3Z53-ML15...	15-48	A 5Z27-...	6-67	A 6B 8-18...	2-262
A 3Z53-ML39...	15-43	A 5Z28-...	6-53	A 6B 8-18...	2-263
A 3Z53-ML45...	15-42	A 6A 1-C...	2-282	A 6B 8-19...	2-258
A 3Z55-...	15-40	A 6A 2-.FA...	2-77	A 6B 8-19...	2-259
A 3Z55-MR...	15-44	A 6A 2-.FAX...	2-77	A 6B 8-25...	2-270
A 3Z55-PR...	15-44	A 6A 2-.XL...	2-78	A 6B 8-37...	2-270
A 4T15-...	10-18	A 6A 3-.DF...	2-80	A 6B 9-0...	2-277
A 5A15-00...	6-66	A 6A 3-.DFB37...	2-86	A 6B 9-S...	2-275
A 5A15-33...	6-65	A 6A 3-.H...	2-83	A 6B 9-S0...	2-278
A 5A27-...	6-67	A 6A 3-.NF...	2-84	A 6B16-...	2-38
A 5B15-00...	6-66	A 6A 3-.NFB37...	2-86	A 6B16-D...	2-40
A 5C 5-...	6-71	A 6A 4-.DF...	2-117	A 6B16M...	2-38
A 5C 6-...	6-71	A 6A 4-.FA...	2-115	A 6B16MD...	2-40
A 5C 9-...	6-75	A 6A 4-.L...	2-116	A 6B18M...	2-27
A 5D 1-...	6-54	A 6A 5-...FA...	2-41	A 6B19M...	2-28
A 5D 3-...	6-55	A 6A 5-...FA...	2-56	A 6B20M...	2-30
A 5D 8-D...	7-8	A 6A 5-...LT...	2-57	A 6C 2-.FS...	2-77
A 5D28-...	6-53	A 6A 6-.DF...	2-59	A 6C 2-.FSX...	2-77
A 5M 2-...	6-56	A 6A 6-.NF...	2-63	A 6C 2-.XL...	2-79
A 5M 8-D...	7-12	A 6A 9M...	2-23	A 6C 3-.DF...	2-87
A 5M 8-DD...	7-12	A 6A09M...	2-19	A 6C 3-.H...	2-89
A 5M 8-SE...	7-15	A 6A15-...	2-42	A 6C 4-.FS...	2-115
A 5P15-00...	6-66	A 6A16-...	2-46	A 6C 4-.L...	2-116
A 5P15-33...	6-65	A 6A20-...	2-32	A 6C 7-25...	2-250
A 5Q 8-D...	7-7	A 6A22M...FA...	2-128	A 6C 7-25B...	2-249
A 5Q 8-DD...	7-10	A 6A22M...TM...	2-129	A 6C 8-14...	2-267
A 5Q 8-DM...	7-8	A 6A23-...DF...	2-134	A 6C 8-14...	2-267
A 5R 1-...	6-54	A 6A23-...NF...	2-135	A 6C 8-17...	2-266
A 5R 3-...	6-55	A 6A24M...FA...	2-149	A 6C 8-18...	2-262
A 5R21-...	6-68	A 6A24M...TM...	2-150	A 6C 8-18...	2-262

A

A 6C 8-19.....	2-258	A 6M 6-.SF.....	2-70	A 6R53M.....	2-188
A 6C 8-19.....	2-258	A 6M 7.....	2-247	A 6R53MC.....	2-11
A 6C 8-21.....	2-256	A 6M 7-12.....	2-242	A 6R53MD.....	2-192
A 6C 8-25.....	2-270	A 6M 7-12.....	2-241	A 6R55M.....	2-206
A 6C 9-0.....	2-283	A 6M 7-14.....	2-245	A 6R55MC.....	2-11
A 6C 9M.....	2-23	A 6M 7-25.....	2-253	A 6R55MD.....	2-208
A 6C 9-T.....	2-275	A 6M 7-37.....	2-255	A 6T 3-.DF.....	2-108
A 6C 9-T0.....	2-278	A 6M 7-50.....	2-255	A 6T 3-.NF.....	2-110
A 6C22M...FS.....	2-128	A 6M 7-MT.....	2-245	A 6T 3-.SF.....	2-109
A 6C22M...TM.....	2-131	A 6M 7-MT.....	2-245	A 6T 3-C.....	2-9
A 6C24M...FS.....	2-149	A 6M 7-Z50.....	2-255	A 6T 3-H.....	2-111
A 6C24M...TM.....	2-152	A 6M 8-14.....	2-269	A 6T 3MC.....	2-9
A 6C54M...FS.....	2-209	A 6M 8-18.....	2-265	A 6T 4-C.....	2-9
A 6C54M...GT.....	2-213	A 6M 8-19.....	2-261	A 6T 4-H.....	2-123
A 6C88-14.....	2-267	A 6M 8-21.....	2-257	A 6T 4MC.....	2-9
A 6C88-17.....	2-266	A 6M 9-0.....	2-284	A 6T 7-25.....	2-252
A 6C88-18.....	2-262	A 6M16.....	2-50	A 6T 9-0.....	2-284
A 6C88-19.....	2-258	A 6M16M.....	2-12	A 6T10-012.....	2-292
A 6C88-21.....	2-256	A 6M51M.....	2-12	A 6T10-122.....	2-287
A 6C88-25.....	2-270	A 6M53M.....	2-12	A 6T10-123.....	2-288
A 6D16.....	2-44	A 6M55M.....	2-12	A 6T10-124.....	2-288
A 6D23.....	2-133	A 6M61-.DF.....	2-69	A 6T16.....	2-48
A 6D51.....	2-179	A 6M61-.SF.....	2-70	A 6T19.....	2-290
A 6D53.....	2-198	A 6N16.....	2-45	A 6T23-H.....	2-144
A 6E 4.....	2-121	A 6O 9.....	2-279	A 6T25-H.....	2-168
A 6E25.....	2-166	A 6P 9.....	2-274	A 6T32M.....	2-218
A 6E28.....	2-169	A 6Q 7.....	2-246	A 6T32MF.....	2-219
A 6F 4-.DF.....	2-118	A 6R 1-A.....	2-282	A 6T35M.....	2-220
A 6G 3.....	2-74	A 6R 3.....	2-72	A 6T35MC.....	2-10
A 6G 3M.....	2-74	A 6R 3-C.....	2-9	A 6T35MD.....	2-222
A 6G 6.....	2-54	A 6R 3-D.....	2-75	A 6T35MDF.....	2-223
A 6G 6M.....	2-54	A 6R 3M.....	2-72	A 6T35MF.....	2-221
A 6G16.....	2-38	A 6R 3MC.....	2-9	A 6T39M.....	2-224
A 6G16M.....	2-38	A 6R 3MD.....	2-75	A 6T39MC.....	2-10
A 6G18M.....	2-27	A 6R 4.....	2-112	A 6T39MD.....	2-226
A 6G19M.....	2-28	A 6R 4-C.....	2-9	A 6T39MDF.....	2-227
A 6G20M.....	2-30	A 6R 4-D.....	2-114	A 6T39MF.....	2-225
A 6H 3.....	2-90	A 6R 4M.....	2-112	A 6T51.....	2-183
A 6H25.....	2-158	A 6R 4MC.....	2-9	A 6TR9M.....	2-20
A 6J 3.....	2-92	A 6R 4MD.....	2-114	A 6TS9M.....	2-21
A 6J 9-AA39.....	2-276	A 6R 6.....	2-52	A 6X 7-14.....	2-244
A 6J 9-AS.....	2-273	A 6R 6M.....	2-52	A 6X 7-25.....	2-248
A 6J 9-B103.....	2-276	A 6R11.....	2-280	A 6X 9.....	2-277
A 6J25.....	2-159	A 6R11-040.....	15-35	A 6Y 7.....	2-246
A 6K 3.....	2-101	A 6R11MO.....	5-19	A 6Y 7-14.....	2-243
A 6L 3-.DF.....	2-103	A 6R12-2L.....	2-291	A 6Y 7-M.....	2-243
A 6L 3-.NF.....	2-105	A 6R19.....	2-289	A 6Y 8-14.....	2-267
A 6L 3-.SF.....	2-104	A 6R23M.....	2-124	A 6Y 8-17.....	2-266
A 6L23.....	2-142	A 6R23MC.....	2-10	A 6Y 8-18.....	2-262
A 6L25.....	2-164	A 6R23MD.....	2-126	A 6Y 8-19.....	2-258
A 6L51.....	2-185	A 6R25M.....	2-145	A 6Y 8-21.....	2-256
A 6L53.....	2-203	A 6R25MC.....	2-10	A 6Y 8-25.....	2-270
A 6M 3.....	2-106	A 6R25MD.....	2-147	A 6Y 8-37.....	2-270
A 6M 3M.....	2-12	A 6R51M.....	2-172	A 6Y77-37.....	2-254
A 6M 6-.DF.....	2-69	A 6R51MC.....	2-11	A 6Y77-37SCCL.....	2-254

R

T

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

A 6Z 3-.DF.....	2-94	A 7C 8-G.....	10-43	A 7Z26-FB.....	5-92
A 6Z 3-.NF.....	2-100	A 7C12.....	6-77	A 7Z27-F.....	5-99
A 6Z 3-.SF.....	2-97	A 7C13.....	6-78	A 7Z28-P.....	5-100
A 6Z 4.....	2-119	A 7C14.....	6-81	A 7Z29-XS.....	5-87
A 6Z 6-.DF.....	2-65	A 7C18.....	4-32	A 7Z31-PB.....	5-88
A 6Z 6-.SF.....	2-67	A 7C19.....	4-33	A 7Z32-PB.....	5-89
A 6Z 8-14.....	2-268	A 7C20.....	4-32	A 7Z33-PB.....	5-90
A 6Z 8-18.....	2-264	A 7C21.....	4-31	A 7Z36.....	4-20
A 6Z 8-19.....	2-260	A 7C22.....	4-31	A 7Z37.....	4-18
A 6Z 8-21.....	2-256	A 7M 5-UR.....	15-34	A 7Z37-030.....	2-111
A 6Z 9.....	2-294	A 7M 7.....	5-82	A 7Z37-030.....	2-123
A 6Z 9-0.....	2-283	A 7P 6-F.....	5-44	A 7Z37-030.....	2-144
A 6Z 9M.....	2-23	A 7P 6-P.....	5-44	A 7Z37-030.....	2-168
A 6Z09M.....	2-19	A 7Q 1.....	3-13	A 7Z37-040.....	2-123
A 6Z10-012.....	2-292	A 7Q 9.....	10-48	A 7Z37-040.....	2-168
A 6Z10-134.....	15-35	A 7Q 9-1W.....	10-49	A 7Z38.....	4-21
A 6Z16.....	2-34	A 7Q7.....	5-83	A 7Z39.....	4-19
A 6Z16.....	2-49	A 7T 5-UR.....	15-33	A 7Z40-FSB.....	5-60
A 6Z16-C.....	2-9	A 7X 1.....	3-8	A 7Z40-FXB.....	5-60
A 6Z16M.....	2-34	A 7X 1-P0.....	1-11	A 7Z41-PSB.....	5-67
A 6Z16MC.....	2-9	A 7X 1-P1.....	1-13	A 7Z42-BFM.....	5-69
A 6Z23...DF.....	2-138	A 7X 2-1.....	4-14	A 7Z43-FSD.....	5-65
A 6Z23...NF.....	2-141	A 7X 8-A.....	10-40	A 7Z43-FXD.....	5-65
A 6Z23...SF.....	2-140	A 7X 8-C.....	10-38	A 7Z44-PSD.....	5-68
A 6Z25...DF.....	2-160	A 7X 9.....	10-48	A 7Z45-BFM.....	5-72
A 6Z25...SF.....	2-162	A 7X 9-1W.....	10-49	A 7Z46-FSN.....	5-74
A 6Z51.....	2-184	A 7X 9-3W.....	10-50	A 7Z47-PSN.....	5-76
A 6Z53...DF.....	2-200	A 7X 3.....	4-23	A 7Z48-FSN.....	5-74
A 6Z53...NF.....	2-202	A 7X21.....	4-31	A 7Z54-FSL.....	5-13
A 6Z53...SF.....	2-202	A 7X22.....	4-31	A 7Z56-BFM.....	5-77
A 6Z61...DF.....	2-66	A 7Y 5-CF.....	10-10	A 7Z57-BFM.....	5-78
A 6Z61...SF.....	2-68	A 7Y 5-CF.....	15-21	A 7Z58-BFM.....	5-14
A 7A30.....	4-26	A 7Y 5-IL.....	15-31	A 7Z59-PF.....	5-15
A 7B 4-BF.....	5-27	A 7Y 5-IS.....	15-31	A 7Z60-FSDU.....	5-62
A 7B 4-BP.....	5-27	A 7Y 7.....	5-82	A 7Z61-FSDU.....	5-63
A 7B 4-F.....	5-31	A 7Y55-E.....	5-11	A 7Z62-FDU.....	5-70
A 7B 4-GF.....	5-28	A 7Y55-ESS.....	5-11	A 7Z63-FDU.....	5-71
A 7B 4-GP.....	5-28	A 7Y55-F.....	5-10	A 7ZB5-IRG.....	15-29
A 7B 4-L.....	5-27	A 7Y55-FS.....	5-10	A 7ZB5-URG.....	15-28
A 7B 4-P.....	5-29	A 7Y55-FSS.....	5-10	A 9A42-D.....	10-87
A 7B 4-SCB.....	5-42	A 7Y55-GSS.....	5-12	A 9A43-A.....	10-82
A 7B 4-SF.....	5-38	A 7Y55-P.....	5-9	A 9A43-E.....	10-82
A 7B 4-SP.....	5-32	A 7Y55-PS.....	5-9	A 9A43-F.....	10-80
A 7B 4-SSB.....	5-41	A 7Y55-PSS.....	5-9	A 9A44-A.....	10-36
A 7B 7-0.....	10-44	A 7Z 4.....	5-93	A 9A45.....	10-35
A 7B 7-S.....	10-45	A 7Z 5-G.....	5-16	A 9A60.....	10-14
A 7B 8-B.....	10-40	A 7Z 5-IR.....	15-30	A 9B40.....	4-30
A 7B21.....	4-31	A 7Z 5-S.....	5-16	A 9B41-A.....	10-30
A 7B22.....	4-31	A 7Z 5-UR.....	15-30	A 9B41-B.....	10-32
A 7B30.....	4-27	A 7Z 6.....	5-94	A 9B42.....	4-14
A 7C 1.....	3-13	A 7Z 7.....	5-82	A 9B42-D.....	10-87
A 7C 2-1.....	4-14	A 7Z 8-URBB.....	15-27	A 9B43-A.....	10-81
A 7C 8-D.....	10-41	A 7Z10-N.....	6-80	A 9B43-B.....	10-84
A 7C 8-E.....	10-42	A 7Z11.....	6-79	A 9B43-C.....	10-86
A 7C 8-F.....	10-43	A 7Z25-PB.....	5-91	A 9B43-D.....	10-83

A

A 9B43-E.....	10-82	A 9X21-I.....	10-52	A10Z 4-1552.....	8-46
A 9B43-F.....	10-80	A 9X23.....	10-21	A10Z 4-1553.....	8-46
A 9B44-A.....	10-36	A 9X25.....	10-7	A10Z 7-1020.....	8-32
A 9B45.....	10-35	A 9X26.....	10-15	A10Z 8-.....	8-18
A 9B47.....	10-35	A 9X31.....	10-60	A10Z25.....	8-56
A 9B60.....	10-14	A 9X40.....	4-30	A10Z40-1210.....	8-37
A 9C20.....	8-42	A 9X43-A.....	10-81	A10Z40-1215.....	8-38
A 9C35.....	10-64	A 9X43-E.....	10-82	A10Z40-1220.....	8-40
A 9C37.....	10-68	A 9X43-F.....	10-80	A10Z40-1240.....	8-52
A 9C38.....	10-69	A 9X49.....	4-29	A10Z40-1260.....	8-39
A 9C39.....	4-29	A 9X60.....	10-14	A10Z40-1280.....	8-41
A 9C40.....	4-30	A 9X93-SL.....	10-25	A10Z42.....	8-42
A 9C60.....	10-14	A 9X93-SO.....	10-25	A10Z42-A.....	8-43
A 9L80-0316.....	15-50	A 9Y28.....	10-57	A10Z60-FB.....	8-35
A 9L80-0616.....	15-49	A 9Y31.....	10-61	A10Z60-MB.....	8-36
A 9L80-0714.....	15-49	A 9Y35.....	10-63	A10Z60-MF.....	8-35
A 9L80-1216.....	15-50	A 9Y44-A.....	10-36	A10Z60-MM.....	8-36
A 9M41.....	10-28	A 9Y71.....	5-101	A10Z62-GC.....	8-11
A 9M41-KIT.....	10-29	A10C16.....	8-53	A10Z62-GT.....	8-11
A 9M50.....	10-13	A10C17.....	8-54	A10Z62-NP.....	8-12
A 9M52.....	10-19	A10C18.....	8-55	A10Z62-SN.....	8-10
A 9M62.....	10-22	A10R 4-1500.....	8-47	A10Z64-MN.....	8-8
A 9M66.....	10-46	A10R 4-1501.....	8-47	A10Z64-SF.....	8-7
A 9M68.....	10-47	A10R 4-1502.....	8-48	A10Z64-TH.....	8-8
A 9M69.....	10-47	A10R 4-1503.....	8-48	A14Z 6-.....	2-24
A 9M70.....	10-37	A10R 4-1504.....	8-49	A14Z 7-.....	2-24
A 9P43-F.....	10-80	A10R 4-1505.....	8-49	A16A 3-.....	2-13
A 9P54.....	10-20	A10R 4-1506.....	8-50	A16A 4-.....	2-13
A 9P57.....	10-31	A10R 4-1507.....	8-50	A16A25M.....	2-14
A 9P67.....	10-46	A10R 4-1508.....	8-51	A16A28M.....	2-14
A 9P71.....	5-101	A10R 4-1509.....	8-51	A16A35M.....	2-18
A 9Q17.....	10-24	A10R 9-.....	8-60	A16A39M.....	2-18
A 9Q18.....	10-11	A10R10.....	8-58	A16A45M.....	2-17
A 9Q19.....	10-51	A10R11.....	8-59	A16A49M.....	2-17
A 9Q26.....	10-16	A10R12.....	8-57	A16A51M.....	2-15
A 9Q26-KIT001.....	10-18	A10Z 1-321.....	8-15	A16A53M.....	2-15
A 9Q26-M.....	10-17	A10Z 1-322.....	8-16	A16A55M.....	2-16
A 9Q27.....	5-19	A10Z 1-323.....	8-17	A16A58M.....	2-16
A 9Q27.....	10-55	A10Z 2-300.....	8-23	A26R 3-.....	2-71
A 9Q28.....	10-57	A10Z 2-301.....	8-20	A26R51M.....	2-171
A 9Q29.....	10-59	A10Z 2-302.....	8-19	A26R53M.....	2-187
A 9Q32.....	10-62	A10Z 2-304.....	8-33	A26R55M.....	2-205
A 9Q34.....	10-70	A10Z 2-305.....	8-22	A26Z16-.....	2-37
A 9Q36.....	10-66	A10Z 2-306.....	8-34	A36R51M.....	2-174
A 9Q71.....	5-101	A10Z 2-307.....	8-21	A36R53M.....	2-190
A 9T41.....	10-26	A10Z 2-308.....	8-29	A36R55M.....	2-207
A 9X15.....	10-9	A10Z 2-310.....	8-26	AB11SA.....	9-2
A 9X16-F.....	10-12	A10Z 2-311.....	8-25	AB20BN.....	9-9
A 9X16-P.....	10-12	A10Z 2-312.....	8-28	AB21SN.....	9-10
A 9X16-R.....	10-12	A10Z 2-314.....	8-27	AB22SN.....	9-6
A 9X17.....	10-23	A10Z 2-316.....	8-24	AB23FT.....	9-12
A 9X18.....	10-11	A10Z 2-317.....	8-23	AB24FT.....	9-8
A 9X19.....	10-51	A10Z 2-319.....	8-30	AB250F.....	9-14
A 9X20.....	10-44	A10Z 2-330B.....	8-31	AB27FT.....	9-4
A 9X21-E.....	10-52	A10Z 4-1550.....	8-45	AB27SN.....	9-3

R	AB28FT-... ..	9-5	S1084Z-064A. ....	1-59	S1164Z-048S. ....	1-91
	AB29FT-... ..	9-13	S1084Z-064DS. ....	1-63	S1164Z-064A. ....	1-66
T	AB3401-EA. ....	10-50	S1084Z-064S. ....	1-59	S1164Z-064S. ....	1-66
	AB3401-XP. ....	10-50	S1084Z-072A. ....	1-42	S1164Z-072A. ....	1-48
1	S1023Z-096A. ....	1-27	S1084Z-072DS. ....	1-46	S1164Z-072S. ....	1-48
	S1023Z-096S. ....	1-27	S1084Z-072S. ....	1-42	S1166Z-024A. ....	1-137
	S1023Z-120A. ....	1-24	S1086Y-. ....	2-286	S1166Z-024S. ....	1-137
	S1023Z-120S. ....	1-24	S1086Z-024A. ....	1-128	S1166Z-032A. ....	1-116
2	S1043Z-096A. ....	1-28	S1086Z-024DS. ....	1-133	S1166Z-032S. ....	1-116
	S1043Z-096S. ....	1-28	S1086Z-024S. ....	1-128	S1166Z-048A. ....	1-92
	S1043Z-120A. ....	1-25	S1086Z-032A. ....	1-106	S1166Z-048S. ....	1-92
	S1043Z-120S. ....	1-25	S1086Z-032DS. ....	1-111	S1166Z-064A. ....	1-67
3	S1063Z-048A. ....	1-75	S1086Z-032S. ....	1-106	S1166Z-064S. ....	1-67
	S1063Z-048S. ....	1-75	S1086Z-048A. ....	1-80	S1166Z-072A. ....	1-49
	S1063Z-064A. ....	1-54	S1086Z-048DS. ....	1-84	S1166Z-072S. ....	1-49
	S1063Z-064S. ....	1-54	S1086Z-048S. ....	1-80	S1168Z-064A. ....	1-69
4	S1063Z-072A. ....	1-39	S1086Z-064A. ....	1-60	S1168Z-064S. ....	1-69
	S1063Z-072S. ....	1-39	S1086Z-064DS. ....	1-63	S1183Y-. ....	2-286
	S1063Z-080A. ....	1-35	S1086Z-064S. ....	1-60	S1184Y-. ....	2-286
	S1063Z-080S. ....	1-35	S1086Z-072A. ....	1-43	S1186Y-. ....	2-286
5	S1063Z-096A. ....	1-29	S1086Z-072DS. ....	1-46	S11A12-. ....	2-231
	S1063Z-096S. ....	1-29	S1086Z-072S. ....	1-43	S11A13-. ....	2-237
	S1064Z-048A. ....	1-76	S10A12-. ....	2-230	S11A14-. ....	2-240
	S1064Z-048S. ....	1-76	S10A13-. ....	2-236	S11A15-. ....	2-234
6	S1064Z-064A. ....	1-55	S10A14-. ....	2-239	S11S12-. ....	2-231
	S1064Z-064S. ....	1-55	S10A15-. ....	2-233	S11S13-. ....	2-237
	S1064Z-072A. ....	1-40	S10A6Z-024H. ....	1-21	S11S14-. ....	2-240
	S1064Z-072S. ....	1-40	S10A6Z-032H. ....	1-18	S11S15-. ....	2-234
	S1064Z-080A. ....	1-36	S10A6Z-048H. ....	1-15	S1228Y-GA-. ....	10-71
	S1064Z-080S. ....	1-36	S10A8Z-024H. ....	1-22	S1249Z-064A. ....	1-73
8	S1064Z-096A. ....	1-30	S10A8Z-032H. ....	1-19	S1249Z-064S. ....	1-73
	S1064Z-096S. ....	1-30	S10A8Z-048H. ....	1-16	S1268Y-SCB. ....	1-225
	S1066Z-024A. ....	1-126	S10A9Z-024H. ....	1-23	S1268Z-024A. ....	1-138
	S1066Z-024S. ....	1-126	S10A9Z-032H. ....	1-20	S1268Z-024M. ....	1-142
9	S1066Z-032A. ....	1-104	S10A9Z-048H. ....	1-17	S1268Z-024S. ....	1-138
	S1066Z-032S. ....	1-104	S10C6Z-024H. ....	1-21	S1268Z-032A. ....	1-117
	S1066Z-048A. ....	1-77	S10C6Z-032H. ....	1-18	S1268Z-032M. ....	1-123
10	S1066Z-048S. ....	1-77	S10C6Z-048H. ....	1-15	S1268Z-032S. ....	1-117
	S1066Z-064A. ....	1-57	S10C8Z-024H. ....	1-22	S1268Z-048A. ....	1-94
	S1066Z-064S. ....	1-57	S10C8Z-032H. ....	1-19	S1268Z-048M. ....	1-101
11	S1066Z-072A. ....	1-41	S10C8Z-048H. ....	1-16	S1268Z-048S. ....	1-94
	S1066Z-072S. ....	1-41	S10C9Z-024H. ....	1-23	S1268Z-064A. ....	1-70
	S1066Z-096A. ....	1-31	S10C9Z-032H. ....	1-20	S1268Z-064M. ....	1-72
	S1066Z-096S. ....	1-31	S10C9Z-048H. ....	1-17	S1268Z-064S. ....	1-70
12	S1083Y-. ....	2-286	S10S12-. ....	2-230	S1268Z-072A. ....	1-50
	S1084Y-. ....	2-286	S10S13-. ....	2-236	S1268Z-072M. ....	1-52
	S1084Z-024A. ....	1-127	S10S14-. ....	2-239	S1268Z-072S. ....	1-50
13	S1084Z-024DS. ....	1-133	S10S15-. ....	2-233	S1268Z-080A. ....	1-37
	S1084Z-024S. ....	1-127	S1163Z-064A. ....	1-65	S1268Z-080S. ....	1-37
	S1084Z-032A. ....	1-105	S1163Z-064S. ....	1-65	S1268Z-096A. ....	1-33
	S1084Z-032DS. ....	1-111	S1163Z-072A. ....	1-47	S1268Z-096S. ....	1-33
14	S1084Z-032S. ....	1-105	S1163Z-072S. ....	1-47	S1268Z-120A. ....	1-26
	S1084Z-048A. ....	1-79	S1163Z-096A. ....	1-32	S1268Z-120S. ....	1-26
	S1084Z-048DS. ....	1-84	S1163Z-096S. ....	1-32	S1269Z-064A. ....	1-73
15	S1084Z-048S. ....	1-79	S1164Z-048A. ....	1-91	S1269Z-064S. ....	1-73

S1269Z-072A. . . . .	1-53	S1A53A-P064. . . . .	1-158	S1C83Z-P064B. . . . .	1-208
S1269Z-072S. . . . .	1-53	S1A53A-P072. . . . .	1-155	S1C84Z-P048B. . . . .	1-210
S1288Z-024D. . . . .	1-132	S1A53A-P080. . . . .	1-152	S1C84Z-P064B. . . . .	1-208
S1288Z-032D. . . . .	1-110	S1A53A-P096. . . . .	1-150	S1C86Z-P048B. . . . .	1-210
S1288Z-048D. . . . .	1-83	S1A53A-P120. . . . .	1-147	S1C86Z-P064B. . . . .	1-208
S1288Z-064D. . . . .	1-62	S1A54A-C048. . . . .	1-161	S1D93Z-P048. . . . .	1-210
S1288Z-072D. . . . .	1-45	S1A54A-C064. . . . .	1-158	S1D93Z-P064. . . . .	1-208
S1289Z-048A. . . . .	1-95	S1A54A-C072. . . . .	1-155	S1D94Z-P048. . . . .	1-210
S1289Z-048S. . . . .	1-95	S1A54A-C080. . . . .	1-152	S1D94Z-P064. . . . .	1-208
S12A8Z-024PC. . . . .	1-141	S1A54A-C096. . . . .	1-150	S1D96Z-P064. . . . .	1-208
S12A8Z-032PC. . . . .	1-122	S1A54A-C120. . . . .	1-147	S1E62Z-024. . . . .	1-188
S12A8Z-048PC. . . . .	1-100	S1A54A-F048. . . . .	1-159	S1E62Z-032. . . . .	1-188
S12ABZ-024PC. . . . .	1-141	S1A54A-F064. . . . .	1-156	S1E62Z-048. . . . .	1-187
S12ABZ-032PC. . . . .	1-122	S1A54A-F072. . . . .	1-153	S1E62Z-064. . . . .	1-187
S12ABZ-048PC. . . . .	1-100	S1A54A-F096. . . . .	1-148	S1E62Z-072. . . . .	1-186
S12C8Z-016PC. . . . .	1-143	S1A54A-F120. . . . .	1-145	S1E62Z-096. . . . .	1-186
S12C8Z-024PC. . . . .	1-141	S1A54A-P048. . . . .	1-161	S1E63Z-024. . . . .	1-188
S12C8Z-032PC. . . . .	1-122	S1A54A-P064. . . . .	1-158	S1E63Z-032. . . . .	1-188
S12C8Z-048PC. . . . .	1-100	S1A54A-P072. . . . .	1-155	S1E63Z-048. . . . .	1-187
S12CBZ-016PC. . . . .	1-143	S1A54A-P080. . . . .	1-152	S1E63Z-064. . . . .	1-187
S12CBZ-024PC. . . . .	1-141	S1A54A-P096. . . . .	1-150	S1E63Z-072. . . . .	1-186
S12CBZ-032PC. . . . .	1-122	S1A54A-P120. . . . .	1-147	S1E63Z-096. . . . .	1-186
S12CBZ-048PC. . . . .	1-100	S1A56A-C048. . . . .	1-161	S1E64Z-024. . . . .	1-188
S12E8Z-016PC. . . . .	1-143	S1A56A-C064. . . . .	1-158	S1E64Z-032. . . . .	1-188
S12EBZ-016PC. . . . .	1-143	S1A56A-C072. . . . .	1-155	S1E64Z-048. . . . .	1-187
S1343Z-72. . . . .	1-197	S1A56A-C080. . . . .	1-152	S1E64Z-064. . . . .	1-187
S1344Z-64. . . . .	1-199	S1A56A-C096. . . . .	1-150	S1E64Z-072. . . . .	1-186
S1346Z-48. . . . .	1-201	S1A56A-C120. . . . .	1-147	S1E64Z-096. . . . .	1-186
S1353Z-72. . . . .	1-198	S1A56A-F048. . . . .	1-159	S1F74Z-A048S. . . . .	1-178
S1354Z-64. . . . .	1-200	S1A56A-F064. . . . .	1-156	S1F74Z-A064S. . . . .	1-176
S1356Z-48. . . . .	1-202	S1A56A-F072. . . . .	1-153	S1F74Z-A072S. . . . .	1-175
S13F3Z-72. . . . .	1-194	S1A56A-F096. . . . .	1-148	S1F74Z-A080S. . . . .	1-174
S13F4Z-64. . . . .	1-195	S1A56A-F120. . . . .	1-145	S1F74Z-C048S. . . . .	1-178
S13F6Z-48. . . . .	1-196	S1A56A-P048. . . . .	1-161	S1F74Z-C064S. . . . .	1-176
S1804Y-RA. . . . .	1-190	S1A56A-P064. . . . .	1-158	S1F74Z-C072S. . . . .	1-175
S1805Y-RA. . . . .	1-190	S1A56A-P072. . . . .	1-155	S1F74Z-C080S. . . . .	1-174
S1807Y-RA. . . . .	1-190	S1A56A-P080. . . . .	1-152	S1F76Z-D048S. . . . .	1-179
S1808Y-RA. . . . .	1-190	S1A56A-P096. . . . .	1-150	S1F76Z-D064S. . . . .	1-177
S1809Y-RA. . . . .	1-190	S1A56A-P120. . . . .	1-147	S1F94Z-B048S. . . . .	1-178
S1810Y-RB. . . . .	1-190	S1A86A-C024. . . . .	1-163	S1F94Z-B064S. . . . .	1-176
S1810Y-RC. . . . .	1-191	S1A86A-C032. . . . .	1-162	S1F94Z-B072S. . . . .	1-175
S1811Y-RB. . . . .	1-190	S1A86A-C032. . . . .	1-162	S1F94Z-B080S. . . . .	1-174
S1811Y-RC. . . . .	1-191	S1A86A-P024. . . . .	1-163	S1F96Z-E048S. . . . .	1-179
S1819Y-RD. . . . .	1-192	S1A86A-P032. . . . .	1-162	S1F96Z-E064S. . . . .	1-177
S1A53A-C048. . . . .	1-161	S1B83A-C048B. . . . .	1-211	S1G84Z-. . . . .	1-9
S1A53A-C064. . . . .	1-158	S1B83A-C064B. . . . .	1-209	S1G85Z-. . . . .	1-9
S1A53A-C072. . . . .	1-155	S1B83A-P048B. . . . .	1-211	S1G87Z-. . . . .	1-9
S1A53A-C080. . . . .	1-152	S1B83A-P064B. . . . .	1-209	S1H84Z-. . . . .	1-10
S1A53A-C096. . . . .	1-150	S1B84A-C048B. . . . .	1-211	S1H85Z-. . . . .	1-10
S1A53A-C120. . . . .	1-147	S1B84A-C064B. . . . .	1-209	S1H87Z-. . . . .	1-10
S1A53A-F048. . . . .	1-159	S1B84A-P048B. . . . .	1-211	S1L86Z-P048. . . . .	1-185
S1A53A-F064. . . . .	1-156	S1B84A-P064B. . . . .	1-209	S1M53A-F064. . . . .	1-172
S1A53A-F072. . . . .	1-153	S1B86A-C048B. . . . .	1-211	S1M53A-F072. . . . .	1-170
S1A53A-F096. . . . .	1-148	S1B86A-C064B. . . . .	1-209	S1M53A-F080. . . . .	1-168
S1A53A-F120. . . . .	1-145	S1B86A-P048B. . . . .	1-211	S1M53A-F096. . . . .	1-166
S1A53A-P048. . . . .	1-161	S1B86A-P064B. . . . .	1-209	S1M53A-F120. . . . .	1-164
		S1C83Z-P048B. . . . .	1-210		

R

S1M54A-F064. . . . . 1-172  
 S1M54A-F072. . . . . 1-170  
 S1M54A-F080. . . . . 1-168  
 S1M54A-F096. . . . . 1-166  
 S1M54A-F120. . . . . 1-164  
 S1M56A-F064. . . . . 1-172  
 S1M56A-F072. . . . . 1-170  
 S1M56A-F080. . . . . 1-168  
 S1M56A-F096. . . . . 1-166  
 S1M56A-F120. . . . . 1-164  
 S1R86Z-P048. . . . . 1-185  
 S1V84Z-024DS. . . . . 1-131  
 S1V84Z-032DS. . . . . 1-109  
 S1V84Z-048DS. . . . . 1-82  
 S1V84Z-064DS. . . . . 1-61  
 S1V84Z-072DS. . . . . 1-44  
 S1V86Z-024DS. . . . . 1-131  
 S1V86Z-032DS. . . . . 1-109  
 S1V86Z-048DS. . . . . 1-82  
 S1V86Z-064DS. . . . . 1-61  
 S1V86Z-072DS. . . . . 1-44  
 S1VS24-. . . . . 1-125  
 S1VS32-. . . . . 1-103  
 S1VS48-. . . . . 1-74  
 S2006Y-. . . . . 4-4  
 S2106Y-. . . . . 4-5  
 S21HSC-. . . . . 4-8  
 S21SAC-. . . . . 4-12  
 S25CY9-PC. . . . . 4-11  
 S25FB9-PC. . . . . 4-10  
 S25FLY-. . . . . 4-9  
 S25FY9-PC. . . . . 4-10  
 S2706Y-. . . . . 4-7  
 S2910Y-M. . . . . 6-57  
 S2F06Y-. . . . . 4-3  
 S3000Y-C0. . . . . 11-26  
 S3001Y-C. . . . . 11-26  
 S3001Y-MS17. . . . . 11-26  
 S3101Y-C. . . . . 11-18  
 S3101Y-J. . . . . 11-19  
 S3102Y-C. . . . . 11-18  
 S3102Y-J. . . . . 11-19  
 S3103Y-C. . . . . 11-18  
 S3103Y-J. . . . . 11-19  
 S3104Y-C. . . . . 11-20  
 S3104Y-J. . . . . 11-21  
 S3105Y-C. . . . . 11-20  
 S3105Y-J. . . . . 11-21  
 S3106Y-C. . . . . 11-20  
 S3106Y-J. . . . . 11-21  
 S3107Y-C. . . . . 11-22  
 S3107Y-J. . . . . 11-23  
 S3108Y-C. . . . . 11-22  
 S3108Y-J. . . . . 11-23  
 S3109Y-CS-. . . . . 11-24  
 S3200Y-C. . . . . 4-46

S3200Y-C. . . . . 4-48  
 S3200Y-J. . . . . 4-47  
 S3200Y-J. . . . . 4-49  
 S3201Y-C. . . . . 4-46  
 S3201Y-J. . . . . 4-47  
 S3300Y-C. . . . . 4-34  
 S3300Y-J. . . . . 4-35  
 S3301Y-C. . . . . 4-36  
 S3301Y-J. . . . . 4-37  
 S3400Y-C. . . . . 4-51  
 S3400Y-J. . . . . 4-51  
 S3401Y-C. . . . . 4-48  
 S3401Y-J. . . . . 4-49  
 S3402Y-C. . . . . 4-50  
 S3402Y-J. . . . . 4-50  
 S3501Y-C. . . . . 4-42  
 S3501Y-J. . . . . 4-43  
 S3502Y-C. . . . . 4-44  
 S3502Y-J. . . . . 4-45  
 S3503Y-C. . . . . 4-42  
 S3503Y-J. . . . . 4-43  
 S35SFX-00. . . . . 6-15  
 S35SFX-01. . . . . 6-16  
 S35SFX-02. . . . . 6-17  
 S35SFX-03. . . . . 6-18  
 S3600Y-C. . . . . 4-52  
 S3600Y-J. . . . . 4-53  
 S3700Y-C. . . . . 4-38  
 S3700Y-J. . . . . 4-39  
 S3701Y-C. . . . . 4-40  
 S3701Y-J. . . . . 4-41  
 S3808Y-C132. . . . . 11-27  
 S3811Y-C133. . . . . 11-27  
 S3815Y-C134. . . . . 11-27  
 S3818Y-C135. . . . . 11-27  
 S3900Y-C136. . . . . 11-27  
 S4008Y-US1-. . . . . 3-3  
 S4012Y-US2-. . . . . 3-3  
 S4016Y-US3-. . . . . 3-3  
 S40PH0-CH. . . . . 3-6  
 S40PX0-CH. . . . . 3-7  
 S40PX0-HG. . . . . 3-4  
 S5000Y-. . . . . 4-13  
 S5035Y-G50-1. . . . . 6-74  
 S5046Y-G50-2. . . . . 6-74  
 S5068Y-G50-3. . . . . 6-74  
 S50BPH-P. . . . . 6-9  
 S50CLM-. . . . . 6-23  
 S50CLP-. . . . . 6-24  
 S50DCM-. . . . . 6-51  
 S50FLR-. . . . . 6-62  
 S50FLS-. . . . . 6-62  
 S50FP9-FB. . . . . 6-7  
 S50FP9-FBC. . . . . 6-8  
 S50FSR-. . . . . 6-60  
 S50FSS-. . . . . 6-60

S50HAA-. . . H. . . . . 6-29  
 S50HAA-. . . P. . . . . 6-30  
 S50HAD-. . . H. . . . . 6-35  
 S50HAM-. . . H. . . . . 6-33  
 S50HAM-. . . P. . . . . 6-34  
 S50HWH-. . . H. . . . . 6-27  
 S50HWH-. . . P. . . . . 6-28  
 S50HWM-. . . H. . . . . 6-31  
 S50HWM-. . . P. . . . . 6-32  
 S50MDD-. . . . . 6-49  
 S50MDS-. . . . . 6-48  
 S50MHS-. . . . . 6-50  
 S50MSC-A. . . H. . . . . 6-38  
 S50MSC-S. . . H. . . . . 6-37  
 S50MSK-. . . K. . . . . 6-42  
 S50MSK-S. . . K. . . . . 6-41  
 S50MST-A. . . P. . . . . 6-40  
 S50MST-S. . . P. . . . . 6-39  
 S50MSX-. . . H. . . . . 6-43  
 S50MSX-. . . P. . . . . 6-44  
 S50MTD-. . . . . 6-47  
 S50PLR-. . . . . 6-63  
 S50PLS-. . . . . 6-63  
 S50PSR-. . . . . 6-61  
 S50PSS-. . . . . 6-61  
 S50SFX-00. . . . . 6-15  
 S50SFX-01. . . . . 6-16  
 S50SFX-02. . . . . 6-17  
 S50SFX-03. . . . . 6-18  
 S50TLC-. . . . . 6-45  
 S5123Y-G50-4. . . . . 6-74  
 S5134Y-G50-6. . . . . 6-74  
 S5147Y-G50-7. . . . . 6-74  
 S5157Y-G50-9. . . . . 6-74  
 S5189Y-GB-. . . . . 10-72  
 S51FCZ-. . . . . 6-73  
 S52FCY-. . . . . 4-22  
 S55SS7-FS. . . . . 6-76  
 S57PY4-DFU. . . . . 7-5  
 S57PY4-DFUT. . . . . 7-9  
 S57PY4-SFU. . . . . 7-5  
 S57PY5-DU. . . . . 7-4  
 S57PY5-DUT. . . . . 7-9  
 S57PY5-SU. . . . . 7-4  
 S58PY5-MJC. . . . . 6-70  
 S58PZ5-MJC. . . . . 6-70  
 S5901Y-GU-. . . . . 10-34  
 S5901Y-KN-. . . . . 10-33  
 S5904Y-G409-. . . . . 6-26  
 S5921Y-SO. . . . . 10-85  
 S5925Y-SO2. . . . . 6-74  
 S5930Y-M. . . . . 6-57  
 S59DZ6-TT. . . . . 6-72  
 S59DZ9-CF. . . . . 6-58  
 S59DZ9-HCF. . . . . 6-59  
 S59PQ5-TBS. . . . . 4-25

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

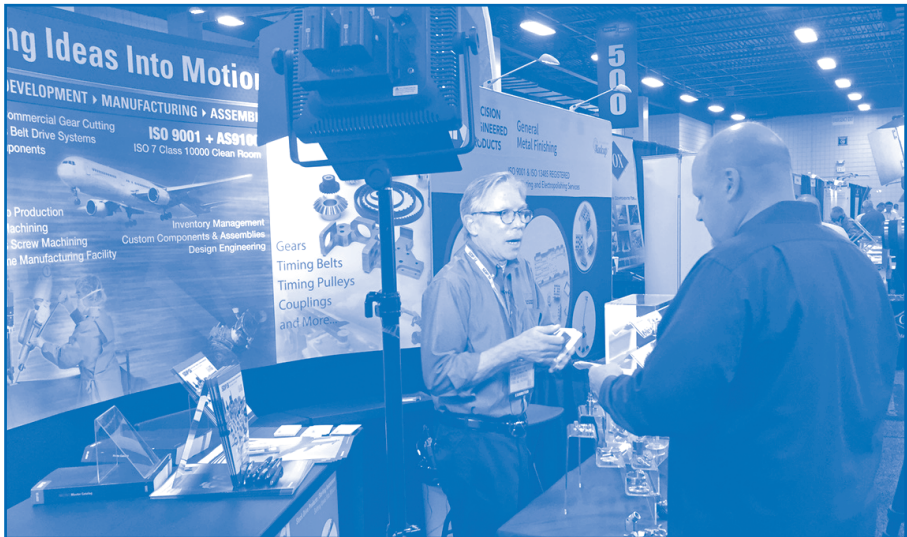
A

S59PY5-TBS.....	4-24	S9111M-.....	14-7	S9706A-Z.J.....	1-146
S60SFX-00.....	6-15	S9115A-T6023-.....	11-16	S9713A-Z.E.....	1-173
S60SFX-01.....	6-16	S9115A-T623-.....	11-12	S9713A-Z.F.....	1-171
S60SFX-02.....	6-17	S9117A-PG.....	11-32	S9713A-Z.G.....	1-169
S60SFX-03.....	6-18	S9117C-.....	14-2	S9713A-Z.H.....	1-167
S61AA3-.....	5-97	S9117E-SDPG.....	11-44	S9713A-Z.J.....	1-165
S61PA1-.....	5-98	S9117M-.....	14-9	S9714A-Z.E.....	1-173
S61PPZ-.....	5-86	S9118A-T6028-.....	11-17	S9714A-Z.F.....	1-171
S61PSC-.....	5-85	S9118A-T628-.....	11-13	S9714A-Z.G.....	1-169
S61PSZ-.....	5-86	S9123A-PG.....	11-33	S9714A-Z.H.....	1-167
S62GFR-.....	5-96	S9123A-SG.....	11-36	S9714A-Z.J.....	1-165
S6900Y-.....	10-73	S9123C-.....	14-3	S9716A-Z.E.....	1-173
S7092Y-.....	10-6	S9123D-SRSG.....	11-40	S9716A-Z.F.....	1-171
S7092Y-.....	10-8	S9123E-SDPG.....	11-46	S9716A-Z.G.....	1-169
S7094Y-.....	10-8	S9134A-PG.....	11-34	S9716A-Z.H.....	1-167
S7095Y-.....	10-8	S9134A-SG.....	11-37	S9716A-Z.J.....	1-165
S7096Y-.....	10-8	S9134D-SRSG.....	11-41	S98CA6-MEC.....	13-4
S7097Y-.....	10-8	S9134E-SDPG.....	11-48	S98CA6-MOC.....	13-4
S7098Y-.....	10-8	S9142A-PG.....	11-35	S98CA7-SES.....	13-2
S7210Y-.....	10-67	S9142A-SG.....	11-38	S98CA7-SET.....	13-2
S7220Y-.....	10-65	S9142D-SRSG.....	11-42	S9901Y-G.....	6-11
S7270Y-.....	10-74	S9142E-SDPG.....	11-50	S9901Y-G404-.....	6-13
S73HW2-100-.....	10-54	S9200A-.....	15-5	S9901Y-G405-.....	6-13
S73KW2-131-.....	10-53	S9430A-T7.....	15-8	S9901Z-G404-.....	6-20
S73LW2-ER133-.....	10-58	S9440A-T7.....	15-8	S9901Z-G405-.....	6-20
S73NW2-GR555-.....	10-53	S9460A-T7.....	15-8	S9901Z-G406-.....	6-22
S78ASY-.....	10-79	S9490A-T7.....	15-8	S9901Z-G417-.....	6-21
S78CSY-.....	10-77	S9520A-TS5.....	15-7	S9901Z-G418-.....	6-21
S78ESY-.....	10-75	S9540A-T7.....	15-9	S9904Y-.....	15-3
S78TSY-.....	10-79	S9540A-TS1.....	15-10	S9906A-G150-.....	13-26
S7912Y-32.....	2-229	S9540A-TS6.....	15-7	S9906A-G150S-.....	13-26
S7912Y-C32.....	2-228	S9540A-TS7.....	15-11	S9906A-MM2-.....	13-27
S7913Y-20.....	2-235	S9540A-TS9.....	15-11	S9911A-G.....	6-64
S7914Y-20.....	2-238	S9550A-T7.....	15-9	S9912Y-E...FS.....	5-7
S7915Y-CP.....	2-232	S9550A-TS2.....	15-10	S9912Y-E...PS.....	5-6
S79RUB-.....	4-12	S9570A-T7.....	15-9	S9912Y-G.....	5-8
S7AYPA-.....	15-32	S9570A-TS3.....	15-10	S9912Y-G...FS.....	5-7
S7NPCY-.....	15-26	S9590A-T7.....	15-9	S9912Y-G...PS.....	5-6
S7NSRY-.....	15-24	S9590A-TS4.....	15-7	S9912Y-TB.....	5-81
S90BF9-.....	13-23	S9703A-Z.D.....	1-160	S9912Y-UB.....	5-8
S90CSC-.....	13-25	S9703A-Z.E.....	1-157	S9914F-G16.....	12-2
S90MCC-513.....	13-15	S9703A-Z.F.....	1-154	S9914F-G24.....	12-3
S90MCC-MTL.....	13-16	S9703A-Z.G.....	1-151	S9914F-G31.....	12-4
S90MPA-B.....	13-30	S9703A-Z.H.....	1-149	S9914Y-G1566-.....	12-7
S90MPA-C.....	13-29	S9703A-Z.J.....	1-146	S9917Z-G51-.....	6-75
S90SB9-15A.....	13-21	S9704A-Z.D.....	1-160	S9930A-CF.....	15-21
S90SB9-17A.....	13-21	S9704A-Z.E.....	1-157	S9930A-CFS.....	15-22
S90SB9-19A.....	13-21	S9704A-Z.F.....	1-154	S9931A-.....	15-17
S90SB9-28A.....	13-22	S9704A-Z.G.....	1-151	S9932Y-M.....	6-57
S9111A-T6017-.....	11-14	S9704A-Z.H.....	1-149	S9940Y-SWC.....	13-8
S9111A-T6019-.....	11-15	S9704A-Z.J.....	1-146	S9941Y-SWC.....	13-10
S9111A-T617-.....	11-7	S9706A-Z.D.....	1-160	S99BP3-PB.....	5-25
S9111A-T619-.....	11-8	S9706A-Z.E.....	1-157	S99BP4-FB.....	5-26
S9111A-T640.....	11-9	S9706A-Z.F.....	1-154	S99CPC-.....	5-19
S9111A-T641.....	11-10	S9706A-Z.G.....	1-151	S99CPZ-.....	5-20
S9111A-T642.....	11-11	S9706A-Z.H.....	1-149	S99FXD-.....	15-16

S99FXS-.....15-15  
 S99GGF-.....5-48  
 S99GGP-.....5-47  
 S99GHF-.....5-54  
 S99GHP-.....5-53  
 S99GMC-.....5-56  
 S99GMT-.....5-84  
 S99GMY-.....5-55

S99GSB-.....5-58  
 S99GSP-.....5-24  
 S99GTF-.....5-51  
 S99GTP-.....5-50  
 S991HY-.....12-18  
 S991MY-.....12-17  
 S99LBC-.....5-17  
 S99NH2-BN.....5-73

S99NH3-URC.....5-79  
 S99NH3-URC.....13-17  
 S99NH4-URC.....13-18  
 S99NH4-URC.....5-80  
 S99PS3-.....5-21  
 S99PS4-.....5-22



## SDP/SI TRADE SHOWS

SDP/SI has a well established history of exhibiting at the top trade shows throughout the U.S. These shows include Design-2-Part, MD&M & ATX.

Regional trade shows offer a very interesting experience to meet engineers demonstrating real applications. As exhibitors, these shows provides us with opportunities to win new business, strengthen relationships with current customers and vendors, re-build connections that have been lost, learn new technologies, compare processes, reduce manufacturing costs, and demonstrate our unique capabilities and services.

**Come visit us at our booth! Meet our engineers and product experts to discuss your specific requirements.**

To view our latest trade shows and events visit: <http://www.designatronics.com/events/>.