



EVERYTHING YOU NEED FROM A TO Z



MALLARD® Z4 VALVES

The **ULTIMATE** in injection molding screw tips, MALLARD Z4 valves are the gold standard for solving your most demanding injection molding applications.

Utilizing a “building block” design concept, MALLARD Z4 valves provide numerous advantages for any processing need, including:

- ✓ Numerous design and material selections
- ✓ Replaceable wear components
- ✓ Tough, reusable stainless steel retainer
- ✓ Self-cleaning full-flow design
- ✓ 2-year wear through guarantee on our carbide faced valve option

All valve designs allow use of the same retainer and rear seat, and incorporate a replaceable front seat and check ring concept. That saves you money and allows for easy customization of your valve for any need. The MALLARD Z4 line of check ring valves provides the latest technology for reliable performance.



GENERAL PURPOSE (GP) TOOL STEEL SCREWS

Can be manufactured to any design and material specification.

ZEIGER PERFORMANCE (ZP) SCREWS

Recommended for extreme processing conditions and designed to handle the toughest conditions with ease. ZP screws are highly effective for shear sensitive applications, or where better melt quality and/or color mixing is a concern.

Zeiger screw materials include, but are not limited to: Z Wear PM, Lescowear, CPM® S90V/420V, Uddeholms Elmax, Latrobe's PM 20CV, CPM® 9V, AISI D-2/DIN 1.2379, Inconel 625, Hastelloy C276 and XC 1000/XC 1000Ni Carbide encapsulation/FlightGuard.



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BARRELS

Zeiger Industries is proud to be a supplier of **WEXCO**® bimetallic barrels, a brand known throughout the industry for high performance and durability.

WEXCO 777 High tungsten-carbide content alloy with a matrix of a chromium-boron-nickel alloy, best when extremely abrasive and moderately corrosive conditions are encountered.

WEXCO 666 Nickel-boron base with a high hardness. Excellent abrasion resistance with a low friction coefficient (0.07) for prevention of galling.

WEXCO B0-22 Ideal for processing Fluoropolymers and other severely corrosive resins. It is a nickel-rich, boron-base alloy that contains molybdenum, chrome, and is nickel enriched with complex borides and carbides that allows for an iron-free liner with no porosity.



END CAPS, NOZZLES AND TIPS

MALLARD® end caps are available for all applications, and customizable for any need. We offer replaceable end caps for any make and model of injection molding machine, custom end cap designs for specialty applications, as well as our Continuous Taper Front End Package made of stainless steel that is designed to process shear sensitive and Fire Retardant based materials.



SHUT-OFF NOZZLES

The **MALLARD**® Shut-off Nozzle is recommended where there is a need for increased part production and/or faster cycle times. The use of the shut-off nozzle prevents drooling, and can be used for both horizontal and vertical injection molding applications.



MANUFACTURER OF  **MALLARD**® PRODUCTS

Performance Guaranteed to Customer's Satisfaction

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