5 STOCK SCREW TIP STYLES

H-13 O.E.M. TYPE CHECK RING VALVES

O.E.M. DIMENSIONS DUPLICATED
MADE FROM H-13 & D-2 TOOL STEEL

FOR USE ON GENERAL PURPOSE UNFILLED MATERIALS

Made in USA

PARTS **ARE** INTER-CHANGEABLE WITH OEM TIPS. PLEASE VERIFY SIZES FIRST!



D-2 HEAT TREATED → **SEAT** — **RING** ← MADE FROM H-13 TOOL STEEL HEAT TREATED THRU HARDENED. → **RETAINER**

STYLE 1
VERY VERY GOOD

H-13 O.E.M. TYPE DESIGNS

This tip is designed for use with OEM screws and barrels plasticizing general purpose unfilled materials. (Filled materials contain a chemical binder that will attack nitrided surfaces.) They are excellent for most general purpose applications. All dimensions including flow passages have been matched to OEM specs to retain interchangeability. You will not find better quality screw tips at such fair prices anywhere else in our industry. Our H-13/D-2 should not be compared to low cost steels used by some OEM's Nitride Hardened. Nitriding is passé.

***Optional to Order: CPM S90V Stainless Steel**

H-13 FREE FLOW CHECK RING VALVES

O.E.M. DIMENSIONS PLUS FREE FLOW DESIGN
MADE FROM H-13 & D-2 TOOL STEELS

FOR USE ON HEAT SENSITIVE AND MODERATELY FILLED MATERIALS

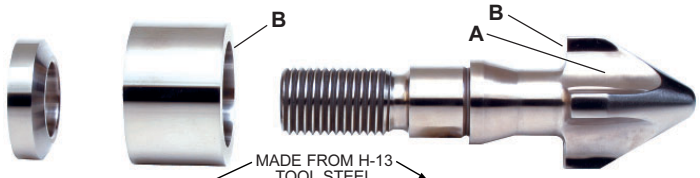
ISO-9002

MANUFACTURED IN A QUALITY SYSTEM CERTIFIED FACILITY.

FEATURES

A. Free Flow Flutes, Avoid Overheating Material
B. Flat Faces Between Ring & Retainer, Reduces Wear.
B2. Alternate Castle Style Rings are available for use with Polyethylene & Polypropylene and High Speed Screws. The Ring spins with the Retainer to Avoid Face Wear.

PARTS NOT INTER-CHANGEABLE WITH O.E.M. PARTS BECAUSE OF FLAT FACES BETWEEN RING AND RETAINER.



D-2 HEAT TREATED → **SEAT** — **RING** ← MADE FROM H-13 TOOL STEEL HEAT TREATED THRU HARDENED. → **RETAINER**



ALTERNATIVE & INTERCHANGABLE CASTLE STYLE RING IS AVAILABLE FOR MOST FREE FLOW VALVES.

STYLE 2
BETTER

H-13 FREE FLOW DESIGN

This free flow tip is designed for use with screws and barrels that are processing heat sensitive and/or low percentage filled materials. H-13 steel is used because it withstands wear and torque stress better than all other tool steels in its class. H-13 seriously reduces the chance of prematurely breaking the stud or retainer common with D-2 steel studs. Broken studs were a common problem in check ring valve failures. Our free flow design is suggested by your plastics material suppliers because it reduces wear, shear and frictional heat common to standard OEM design tips and allows you to process most heat sensitive and moderately filled materials. It also allows faster screw recovery.

***Optional to Order: CPM S90V Stainless Steel**

CPM 9V FREE FLOW SUPER TOUGH CHECK RING VALVES

MADE FROM SUPER WEAR RESISTANT TOOL STEEL
O.E.M. DIMENSIONS PLUS FREE FLOW DESIGN

FOR USE ON ALL HEAT SENSITIVE GLASS AND MINERAL FILLED MATERIALS

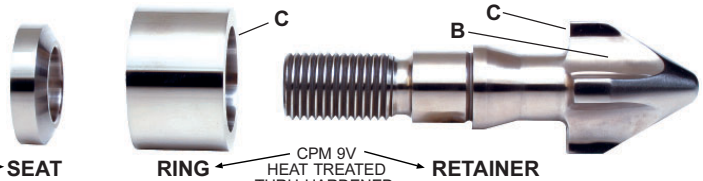
9 TIMES MORE WEAR RESISTANT THAN D-2 STEEL

THE LONGEST LASTING TIP AVAILABLE

FEATURES

A. CPM 9V Super Tough Wear Resistant Steel Is Not a Surface Coating. It's Tough, but Not Brittle!
B. Free Flow Flutes allow filled materials to flow easily, plus Avoid Over Heating Material.
C. Flat Faces Between Ring & Retainer, Reduces Wear.
C2. Alternate Castle Style Rings are available for use with Polyethylene & Polypropylene and High Speed Screws. The Ring spins with the Retainer to Avoid Face Wear.

PARTS NOT INTER-CHANGEABLE WITH O.E.M. PARTS BECAUSE OF FLAT FACES BETWEEN RING AND RETAINER.



D-2 HEAT TREATED → **SEAT** — **RING** ← CPM 9V HEAT TREATED THRU HARDENED. → **RETAINER**



ALTERNATIVE & INTERCHANGABLE CASTLE STYLE RING IS AVAILABLE FOR MOST FREE FLOW VALVES.

STYLE 3
BEST

CPM 9V SUPER TOUGH FREE FLOW DESIGN

Our CPM 9V Super Tough Check Ring Valves are the ultimate in wear resistant tips. CPM 9V Heat Treated Steel is more wear resistant than other steels used to date and coupled with our Free Flow Design aids in the molding of all glass and mineral filled plastics without the resultant wear and possible chemical attack that causes erosion common to steels, especially nitrided steels. After tremendous success resleeving barrels with CPM 10V Steel, PPE forged ahead in 1981 and began supplying CPM 9V Check Ring valves. Our CPM 9V Super Tough Steel has been seriously evaluated by molders and competitors alike. The result has been total and complete customer satisfaction and competitors disbelief as they rushed to duplicate our efforts. Always specify PPE CPM 9V Heat Treated Super Tough check ring valves. A D-2 seat is supplied due to it's high impact, corrosion and wear resistance.

***Optional to Order: CPM S90V Stainless Steel**

*CPM S90V Stainless Steel offers outstanding corrosion resistance combined with high wear resistance as it contains 14% Chromium and 9% Vanadium. Typical applications would include PVC and other resins with chemical additives such as flame retardants.

PLASTIC PROCESS EQUIPMENT, INC.

EAST: 8303 CORPORATE PARK DRIVE, MACEDONIA, OHIO 44056-2300, 216-367-7000 • FAX: 216-367-7022, TOLL FREE: 800-321-0562

WEST: 6385 MONTESSOURI STREET, LAS VEGAS, NEVADA 89113-1186, 702-433-6385 • FAX: 702-433-6388, TOLL FREE: 800-258-8877

www.ppe.com
e-mail: sales@ppe.com
Toll Free: USA, Canada & Mexico
800-362-0706
Order Fax: 800-223-8305