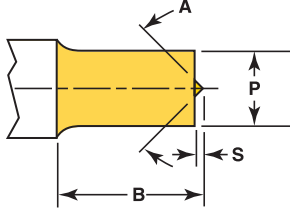
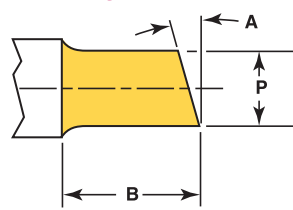


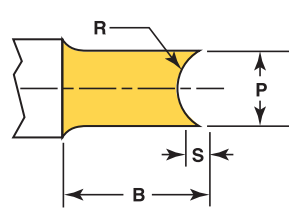
EX-25 Pick Up Perforate



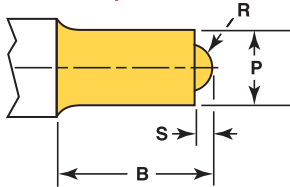
EX-26 Angle Shear



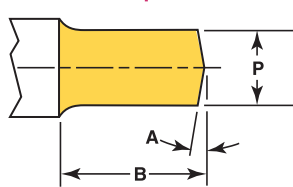
EX-27



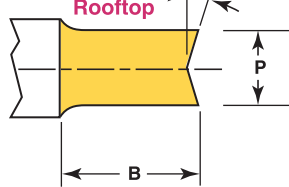
EX-28 Dimple



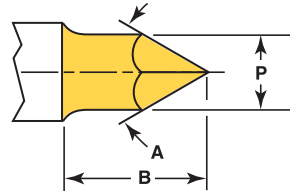
EX-29 Rooftop



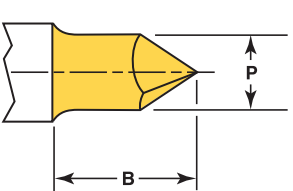
EX-30 Inverted Rooftop



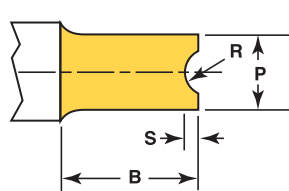
EX-31 Nail Point 4 Sided



EX-32 Nail Point 3 Sided



EX-33



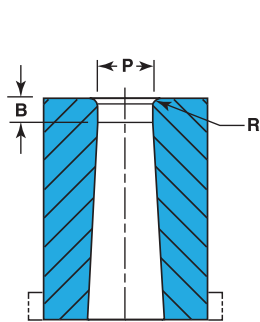
Ex. 1 thru Ex. 33 tips are available on all standard catalog range punches. (Head type, Headless and Bal-Lok Solid and Retrako.

Use caution when using Retrako type in relation to point length (P) and smallest point Ø (P). Some tips are not compatible with Retrako use. (Example # Ex. 31)

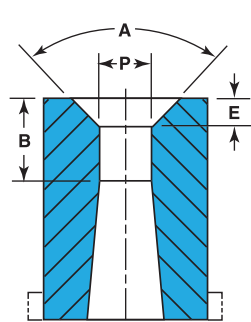
X equals the distance from under the head to an often critical junction on extrude and co-sink type punches. (For Bal-Lok and Headless type punches, this X dimension is the distance to the shank end of the punch.) You have two tolerance options on this X dimension. Normal tolerance is $\pm .10$, for those applications requiring more critical tolerances, specify **XP** and this dimension will be held to $\pm .02$.

When no **B** (point length) is called out, the standard **B** for the type punch selected will be supplied. All Ultra Precision style must call out **B** length as there are more than one standard available for this style punch.

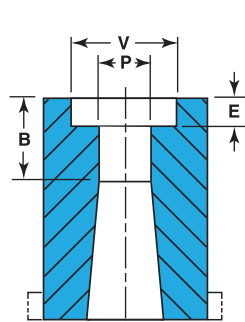
Common type of extrusion punches are shown above and can be configured on any style punch as called out by the customer. Configurations of other styles can be furnished upon receipt of customer drawings with specified tolerances.



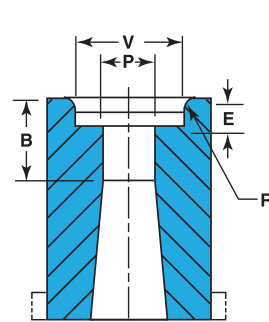
EX-40



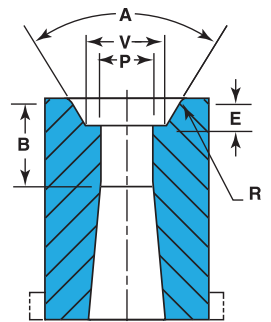
EX-41



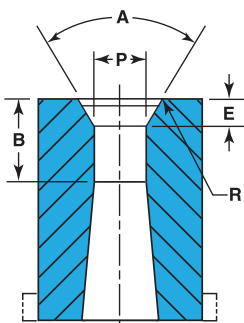
EX-42



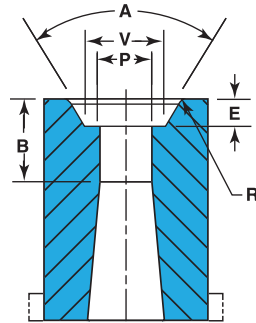
EX-43



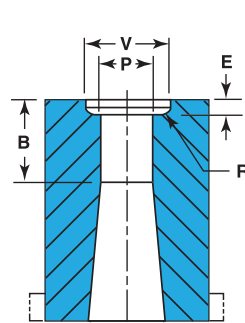
EX-44



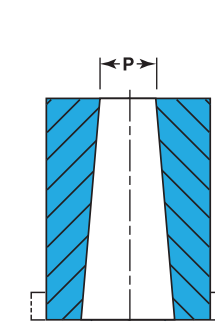
EX-45



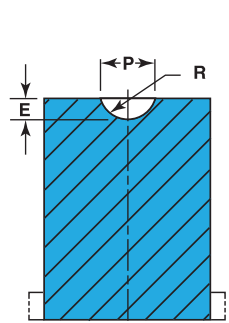
EX-46



EX-47



EX-48



EX-49

The above draw-extrude style die buttons can be furnished on any die button style. Tolerances on the internal configurations will be .127 unless called out by the customer to be otherwise. Standard materials used on any of these will be M2 with RC of 60-63 called out by the customer to be otherwise. Other configurations can be manufactured with tolerance drawings submitted by the customer.