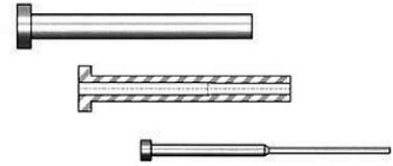


## Plastixs<sup>®</sup> Ejector Pins

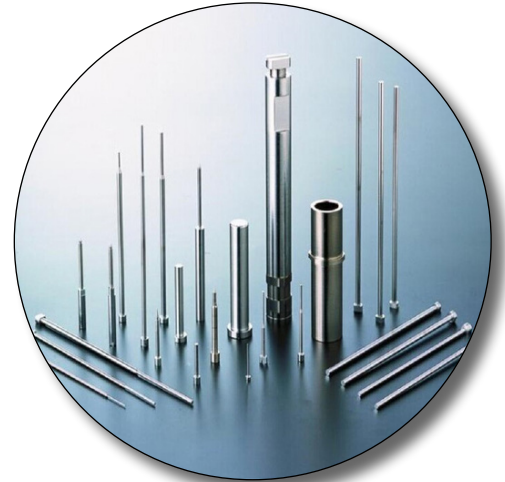


Straight/Shoulder/Metric Ejector Pins, Core Pins, Ejector Sleeves and Through-Hardened

## Precision Ejector Pins in a variety of sizes, styles and materials

### Features

- H-13 Nitrided or H-13 Through-Hardened
- Highest quality standards
- Made to the tightest industry tolerances
- Processed with the latest technology of Ion Nitriding
- Custom configurations available upon request



### Description

Ejector pins are long pins that are used in the plastic injection molding industry and are used to eject or push the final plastic molded product out of the mold. There are many types of ejector pins, including different materials, sizes, tolerances and coatings, based on the injection mold base application. Plastixs<sup>®</sup> offers an extensive variety of high quality, specialty ejector pins in various sizes, styles and materials. Our high quality pins are processed with the latest technology in Ion Nitriding and are made from premium H-13 steel, available in H-13 nitrided or H-13 through-hardened. We carry straight, shoulder, metric, core pins, ejector sleeves and more!

Custom configurations are also available upon request. Please submit a [request for quote](#) and include your drawing and specifications.



## PE1 Straight Ejector Pins

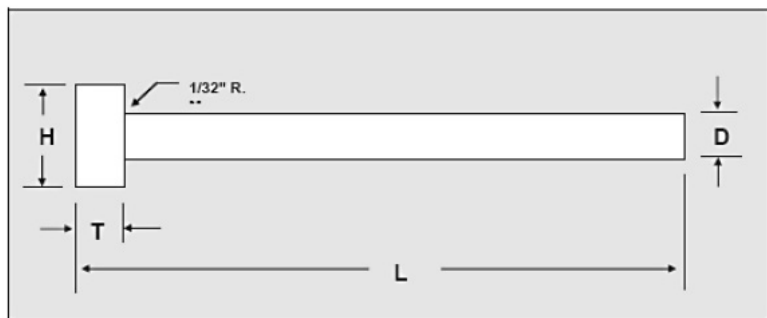
*Nitrided Straight Ejector Pins - Standard Inch .0003" Tolerance*

### Features

- Material: H-13 Hotwork Die Steel
- Core: Hardened Throughout to 41 - 45 Rc
- Surface: Ion Nitrided to 65 - 74 Rc
- High Surface Finish: 6 - 10 RMS

### Description

Plastixs® PE1 Nitrided Straight Ejector Pins are made from the finest grade, premium H-13 hotwork die steel. The heads are hot forged and stress relieved for uniform grain flow and high tensile strength. Diameters are precision ground to a high surface finish (6-10 RMS) and .0003" tolerance.



| TOLERANCES                 |                    |                  |                  |                  |
|----------------------------|--------------------|------------------|------------------|------------------|
| D                          |                    | H                | T                | L                |
| Up to 1/2" Dia. & 14" Long | -.0005"<br>-.0008" | +.000"<br>-.010" | +.000"<br>-.002" | +.375"<br>-.000" |
| Over 1/2" & 14" Long       | -.0003"<br>-.0008" |                  |                  |                  |

| D<br>Nominal Pin Diameter | H<br>Head Diameter | T<br>Head Thickness | L = 6"<br>Std. Dia.<br>Item# | L = 10"<br>Std. Dia.<br>Item# | L = 10"<br>+.005" Dia.<br>Item# | L = 14"<br>Std. Dia.<br>Item# | L = 14"<br>+.005" Dia.<br>Item# |
|---------------------------|--------------------|---------------------|------------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
| 3/64"                     | 1/4"               | 1/8"                | PE1-047L6                    | -                             | -                               | -                             | -                               |
| 1/16"                     | 1/4"               | 1/8"                | PE1-062L6                    | PE1-062L10                    | -                               | -                             | -                               |
| 5/64"                     | 1/4"               | 1/8"                | PE1-078L6                    | PE1-078L10                    | -                               | -                             | -                               |
| 3/32"                     | 1/4"               | 1/8"                | PE1-094L6                    | PE1-094L10                    | -                               | -                             | -                               |
| 7/64"                     | 1/4"               | 1/8"                | PE1-109L6                    | PE1-109L10                    | -                               | -                             | -                               |
| 1/8"                      | 1/4"               | 1/8"                | PE1-125L6                    | PE1-125L10                    | PE1-130L10                      | PE1-125L14                    | PE1-130L14                      |
| 9/64"                     | 1/4"               | 1/8"                | PE1-141L6                    | PE1-141L10                    | -                               | PE1-141L14                    | -                               |



## PE1 Straight Ejector Pins (Continued)

*Nitrided Straight Ejector Pins - Standard Inch .0003" Tolerance*

| D<br>Nominal Pin<br>Diameter | H<br>Head<br>Diameter | T<br>Head<br>Thickness | L = 6"<br>Std. Dia.<br>Item# | L = 10"<br>Std. Dia.<br>Item# | L = 10"<br>+.005" Dia.<br>Item# | L = 14"<br>Std. Dia.<br>Item# | L = 14"<br>+.005" Dia.<br>Item# |
|------------------------------|-----------------------|------------------------|------------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
| 5/32"                        | 9/32"                 | 5/32"                  | PE1-156L6                    | PE1-156L10                    | PE1-161-L10                     | PE1-156L14                    | PE1-161-L14                     |
| 11/64"                       | 11/32"                | 3/16"                  | PE1-172L6                    | PE1-172L10                    | -                               | PE1-172L14                    | -                               |
| 3/16"                        | 3/8"                  | 3/16"                  | PE1-187L6                    | PE1-187L10                    | PE1-192L10                      | PE1-187L14                    | PE1-192L14                      |
| 13/64"                       | 3/8"                  | 3/16"                  | -                            | PE1-203L10                    | -                               | PE1-203L14                    | -                               |
| 7/32"                        | 13/32"                | 3/16"                  | PE1-219L6                    | PE1-219L10                    | PE1-224L10                      | PE1-219L14                    | -                               |
| 15/64"                       | 13/32"                | 3/16"                  | -                            | PE1-234L10                    | -                               | PE1-234L14                    | -                               |
| 1/4"                         | 13/32"                | 3/16"                  | PE1-250L6                    | PE1-250L10                    | PE1-255L10                      | PE1-250L14                    | PE1-255L14                      |
| 17/64"                       | 13/32"                | 1/4"                   | -                            | PE1-296L10                    | -                               | PE1-296L14                    | -                               |
| 9/32"                        | 13/32"                | 1/4"                   | PE1-281L6                    | PE1-281L10                    | PE1-286L10                      | PE1-281L14                    | -                               |
| 19/64"                       | 13/32"                | 1/4"                   | -                            | PE1-297L10                    | -                               | PE1-297L14                    | -                               |
| 5/16"                        | 13/32"                | 1/4"                   | PE1-312L6                    | PE1-312L10                    | PE1-317L10                      | PE1-312L14                    | PE1-317L14                      |
| 21/64"                       | 13/32"                | 1/4"                   | -                            | PE1-328L10                    | -                               | PE1-328L14                    | -                               |
| 11/32"                       | 13/32"                | 1/4"                   | PE1-344L6                    | PE1-344L10                    | PE1-349L10                      | PE1-344L14                    | -                               |
| 23/64"                       | 5/8"                  | 1/4"                   | -                            | PE1-359L10                    | -                               | PE1-359L14                    | -                               |
| 3/8"                         | 5/8"                  | 1/4"                   | PE1-375L6                    | PE1-375L10                    | PE1-380L10                      | PE1-375L14                    | PE1-380L10                      |
| 13/32"                       | 5/8"                  | 1/4"                   | PE1-406L6                    | PE1-406L10                    | PE1-411L10                      | PE1-406L14                    | -                               |
| 7/16"                        | 5/8"                  | 1/4"                   | PE1-437L6                    | PE1-437L10                    | PE1-442L10                      | PE1-437L14                    | PE1-442L10                      |
| 15/32"                       | 3/4"                  | 1/4"                   | PE1-469L6                    | PE1-469L10                    | PE1-474L10                      | PE1-469L14                    | -                               |
| 1/2"                         | 3/4"                  | 1/4"                   | PE1-500L6                    | PE1-500L10                    | PE1-505L10                      | PE1-500L14                    | PE1-505L10                      |
| 9/16"                        | 13/16"                | 1/4"                   | PE1-562L6                    | PE1-562L10                    | -                               | PE1-562L14                    | -                               |
| 5/8"                         | 7/8"                  | 1/4"                   | PE1-625L6                    | PE1-625L10                    | -                               | PE1-625L14                    | -                               |
| 11/16"                       | 15/16"                | 1/4"                   | PE1-687L6                    | PE1-687L10                    | -                               | PE1-687L14                    | -                               |
| 3/4"                         | 1"                    | 1/4"                   | PE1-750L6                    | PE1-750L10                    | -                               | PE1-750L14                    | -                               |
| 7/8"                         | 1-1/8"                | 1/4"                   | PE1-875L6                    | PE1-875L10                    | -                               | PE1-875L14                    | -                               |
| 1"                           | 1-1/4"                | 1/4"                   | PE1-1000L6                   | PE1-1000L10                   | -                               | PE1-1000L14                   | -                               |



## PE2 Shoulder Ejector Pins

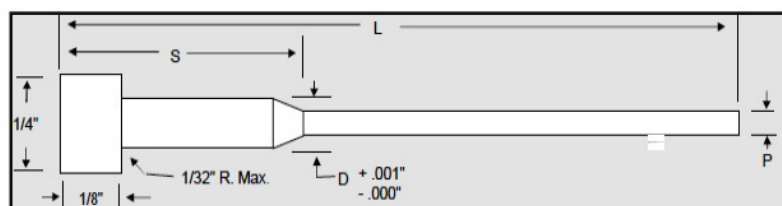
*Nitrided Shoulder Ejector Pins - Standard Inch .0003" Tolerance*

### Features

- Material: H-13 Hotwork Die Steel
- Core: Hardened Throughout to 41 - 45 Rc
- Surface: Ion Nitrided to 65 - 74 Rc
- High Surface Finish: 6 - 10 RMS

### Description

Plastixs® PE2 Nitrided Shoulder Ejector Pins are made from the finest grade, premium H-13 hotwork die steel. The heads are hot forged and stress relieved for uniform grain flow and high tensile strength. Diameters are precision ground to a high surface finish (6-10 RMS) and .0003" tolerance.



| TOLERANCES |        |        |        |
|------------|--------|--------|--------|
| D          | H      | T      | L      |
| -.0005"    | +.000" | +.000" | +.375" |
| -.0008"    | -.010" | -.002" | -.000" |

STANDARD FRACTIONAL and .005" OVERSIZE DIAMETERS

| D<br>Nominal Pin<br>Diameter | A<br>Actual Pin<br>Diameter | S<br>Shoulder<br>Length | L = 6"<br>Std. Dia.<br>Item# | L = 10"<br>Std. Dia.<br>Item#  | L = 10"<br>+.005" Dia.<br>Item# |
|------------------------------|-----------------------------|-------------------------|------------------------------|--------------------------------|---------------------------------|
| 1/32"                        | .0308" / .0305"             | 1/2"<br>2"              | PE2-031L6-05<br>PE2-031L6-20 | -                              | -                               |
| 3/64"                        | .0464" / .0461"             | 1/2"<br>2"              | PE2-047L6-05<br>PE2-047L6-20 | PE2-047L10-05<br>PE2-047L10-20 | PE2-052L10-05<br>PE2-052L10-20  |
| 1/16"                        | .0620" / .0617"             | 1/2"<br>2"              | PE2-062L6-05<br>PE2-062L6-20 | PE2-062L10-05<br>PE2-062L10-20 | PE2-067L10-05<br>PE2-067L10-20  |
| 5/64"                        | .0776" / .0773"             | 1/2"<br>2"              | PE2-078L6-05<br>PE2-078L6-20 | PE2-078L10-05<br>PE2-078L10-20 | PE2-083L10-05<br>PE2-083L10-20  |
| 3/32"                        | .0933" / .0930"             | 1/2"<br>2"              | PE2-094L6-05<br>PE2-094L6-20 | PE2-094L10-05<br>PE2-094L10-20 | PE2-099L10-05<br>PE2-099L10-20  |
| 7/64"                        | .1089" / .1086"             | 1/2"<br>2"              | PE2-109L6-05<br>PE2-109L6-20 | PE2-109L10-05<br>PE2-109L10-20 | PE2-114L10-05<br>PE2-114L10-20  |



# PE3 Through-Hardened Straight Ejector Pins

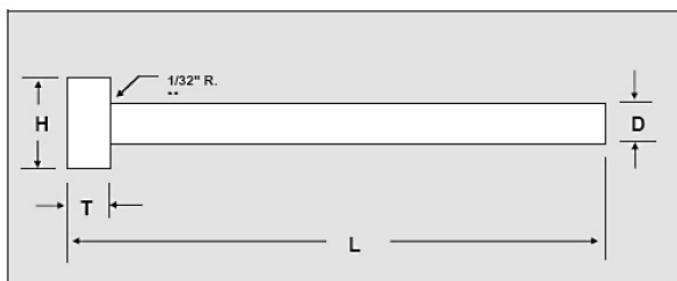
*Through-Hardened Nitrided Straight Ejector Pins*

## Features

- Material: H-13 Hotwork Die Steel
- Core: Hardened Throughout to 50 - 55 Rc
- Surface: Ion Nitrided to 65 - 74 Rc
- High Surface Finish: 6 - 10 RMS
- Heads annealed for easy machining

## Description

Plastixs<sup>®</sup> PE3 Nitrided Through-Hardened Straight Ejector Pins are made from the finest grade, premium H-13 hotwork die steel. The heads are hot forged and stress relieved for uniform grain flow and high tensile strength. Diameters are precision ground to a high surface finish (6-10 RMS) and .0003" tolerance.



| TOLERANCES |        |        |        |
|------------|--------|--------|--------|
| D          | H      | T      | L      |
| -.0005"    | +.000" | +.000" | +.375" |
| -.0008"    | -.010" | -.002" | -.000" |

| D<br>Nominal Pin<br>Diameter | H<br>Head<br>Diameter | T<br>Head<br>Thickness | L = 6"<br>Std. Dia.<br>Item# | L = 10"<br>Std. Dia.<br>Item# | L = 14"<br>Std. Dia.<br>Item# |
|------------------------------|-----------------------|------------------------|------------------------------|-------------------------------|-------------------------------|
| 5/64"                        | 13/64"                | 1/8"                   | PE3-078L6                    | PE3-078L10                    | -                             |
| 3/32"                        | 7/32"                 | 1/8"                   | PE3-094L6                    | PE3-094L10                    | -                             |
| 7/64                         | 15/64"                | 1/8"                   | PE3-109L6                    | PE3-109L10                    | -                             |
| 1/8"                         | 1/4"                  | 1/8"                   | PE3-125L6                    | PE3-125L10                    | PE3-125L14                    |
| 9/64"                        | 1/4"                  | 1/8"                   | PE3-141L6                    | PE3-141L10                    | PE3-141L14                    |
| 5/32"                        | 9/32"                 | 5/32"                  | PE3-156L6                    | PE3-156L10                    | PE3-156L14                    |
| 11/64"                       | 11/32"                | 3/16"                  | PE3-172L6                    | PE3-172L10                    | PE3-172L14                    |
| 3/16"                        | 3/8"                  | 3/16"                  | PE3-187L6                    | PE3-187L10                    | PE3-187L14                    |
| 13/64"                       | 3/8"                  | 3/16"                  | -                            | PE3-203L10                    | PE3-156L14                    |



# PE3 Through-Hardened Straight Ejector Pins (Continued)

*Through-Hardened Nitrided Straight Ejector Pins*



| D<br>Nominal Pin<br>Diameter | H<br>Head<br>Diameter | T<br>Head<br>Thickness | L = 6"<br>Std. Dia.<br>Item# | L = 10"<br>Std. Dia.<br>Item# | L = 14"<br>Std. Dia.<br>Item# |
|------------------------------|-----------------------|------------------------|------------------------------|-------------------------------|-------------------------------|
| 7/32"                        | 13/32"                | 3/16"                  | PE3-219L6                    | PE3-219L10                    | PE3-219L14                    |
| 15/64"                       | 13/32"                | 3/16"                  | -                            | PE3-234L10                    | PE3-234L14                    |
| 1/4"                         | 7/16"                 | 3/16"                  | PE3-250L6                    | PE3-250L10                    | PE3-250L14                    |
| 17/64"                       | 7/16"                 | 1/4"                   | -                            | PE3-266L10                    | PE3-266L14                    |
| 9/32"                        | 7/16"                 | 1/4"                   | PE3-281L6                    | PE3-281L10                    | PE3-281L14                    |
| 19/64"                       | 1/2"                  | 1/4"                   | -                            | PE3-297L10                    | PE3-297L14                    |
| 5/16"                        | 1/2"                  | 1/4"                   | PE3-312L6                    | PE3-312L10                    | PE3-312L14                    |
| 21/64"                       | 9/16"                 | 1/4"                   | -                            | PE3-328L10                    | PE3-328L14                    |
| 11/32"                       | 9/16"                 | 1/4"                   | PE3-344L6                    | PE3-344L10                    | PE3-344L14                    |
| 23/64"                       | 5/8"                  | 1/4"                   | -                            | PE3-359L10                    | PE3-359L14                    |
| 3/8"                         | 5/8"                  | 1/4"                   | PE3-375L6                    | PE3-375L10                    | PE3-375L14                    |
| 13/32"                       | 11/16"                | 1/4"                   | PE3-406L6                    | PE3-406L10                    | PE3-406L14                    |
| 7/16"                        | 11/16"                | 1/4"                   | PE3-437L6                    | PE3-437L10                    | PE3-437L14                    |
| 15/32"                       | 3/4"                  | 1/4"                   | PE3-469L6                    | PE3-469L10                    | PE3-469L14                    |
| 1/2"                         | 3/4"                  | 1/4"                   | PE3-500L6                    | PE3-500L10                    | PE3-500L14                    |



## PE5 Ejector Sleeves

*Nitrided Ejector Sleeves - Standard Inch*

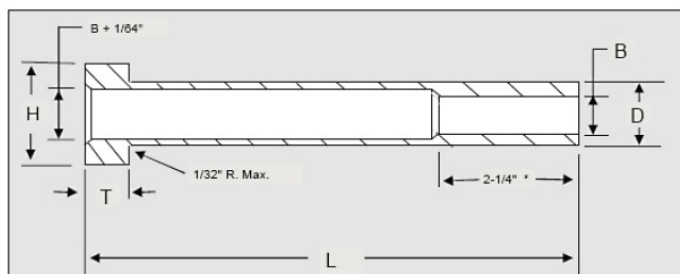
### Features

- Material: H-13 Hotwork Die Steel
- Nitrided OD and ID 65 - 74 Rc



### Description

Plastixs<sup>®</sup> PE5 Nitrided Ejector Sleeves are made from the finest grade, premium H-13 hotwork die steel. The heads are hot forged and stress relieved for uniform grain flow and high tensile strength.



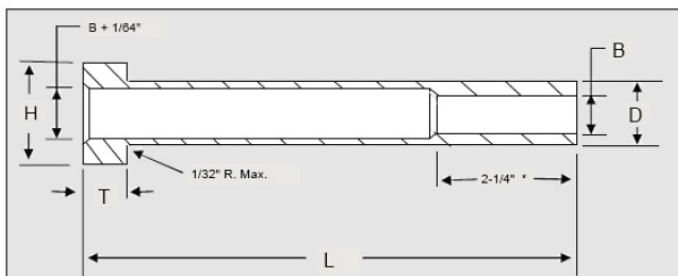
| TOLERANCES         |                    |                  |                  |                  |
|--------------------|--------------------|------------------|------------------|------------------|
| I.D.               | O.D.               | Head Diameter    | Head Thickness   | OAL              |
| B                  | D                  | H                | T                | L                |
| +.0005"<br>-.0000" | -.0003"<br>-.0008" | +.000"<br>-.010" | +.000"<br>-.002" | +.125"<br>-.000" |

| B     | D      | H             | T              | L = 3"    | L = 4"    | L = 5"    | L = 6"    | L = 7"    |
|-------|--------|---------------|----------------|-----------|-----------|-----------|-----------|-----------|
| I.D.  | O.D.   | Head Diameter | Head Thickness | Item#     | Item#     | Item#     | Item#     | Item#     |
| 3/32" | 3/16"  | 3/8"          | 3/16"          | PE5-094L3 | PE5-094L4 | PE5-094L5 | PE5-094L6 | PE5-094L7 |
| 1/8"  | 7/32"  | 13/32"        | 3/16"          | PE5-125L3 | PE5-125L4 | PE5-125L5 | PE5-125L6 | PE5-125L7 |
| 5/32" | 1/4"   | 7/16"         | 3/16"          | -         | PE5-156L4 | PE5-156L5 | PE5-156L6 | PE5-156L7 |
| 3/16" | 5/16"  | 1/2"          | 1/4"           | -         | PE5-187L4 | PE5-187L5 | PE5-187L6 | PE5-187L7 |
| 7/32" | 11/32" | 9/16"         | 1/4"           | -         | PE5-219L4 | PE5-219L5 | PE5-219L6 | PE5-219L7 |
| 1/4"  | 3/8"   | 5/8"          | 1/4"           | -         | PE5-250L4 | PE5-250L5 | PE5-250L6 | PE5-250L7 |
| 5/16" | 7/16"  | 11/16"        | 1/4"           | -         | PE5-312L4 | PE5-312L5 | PE5-312L6 | PE5-312L7 |
| 3/8"  | 1/2"   | 3/4"          | 1/4"           | -         | PE5-375L4 | PE5-375L5 | PE5-375L6 | PE5-375L7 |
| 7/16" | 5/8"   | 7/8"          | 1/4"           | -         | PE5-437L4 | PE5-437L5 | PE5-437L6 | PE5-437L7 |
| 1/2"  | 11/16" | 15/16"        | 1/4"           | -         | PE5-500L4 | PE5-500L5 | PE5-500L6 | PE5-500L7 |
| 9/16" | 3/4"   | 1"            | 1/4"           | -         | PE5-562L4 | PE5-562L5 | PE5-562L6 | PE5-562L7 |
| 5/8"  | 7/8"   | 1-1/8"        | 1/4"           | -         | PE5-625L4 | PE5-625L5 | PE5-625L6 | PE5-625L7 |
| 3/4"  | 1"     | 1-1/4"        | 1/4"           | -         | PE5-750L4 | PE5-750L5 | PE5-750L6 | PE5-750L7 |



## PE5 Ejector Sleeves (Continued)

*Nitrided Ejector Sleeves - Standard Inch*



| TOLERANCES           |                      |                    |                    |                    |
|----------------------|----------------------|--------------------|--------------------|--------------------|
| I.D.                 | O.D.                 | Head Diameter      | Head Thickness     | OAL                |
| B                    | D                    | H                  | T                  | L                  |
| +0.0005"<br>-0.0000" | -0.0003"<br>-0.0008" | +0.000"<br>-0.010" | +0.000"<br>-0.002" | +0.125"<br>-0.000" |

| B     | D      | H             | T              | L = 8"    | L = 9"    | L = 10"    | L = 11"    | L = 12"    |
|-------|--------|---------------|----------------|-----------|-----------|------------|------------|------------|
| I.D.  | O.D.   | Head Diameter | Head Thickness | Item#     | Item#     | Item#      | Item#      | Item#      |
| 3/32" | 3/16"  | 3/8"          | 3/16"          | PE5-094L8 | PE5-094L9 | PE5-094L10 | PE5-094L11 | PE5-094L12 |
| 1/8"  | 7/32"  | 13/32"        | 3/16"          | PE5-125L8 | PE5-125L9 | PE5-125L10 | PE5-125L11 | PE5-125L12 |
| 5/32" | 1/4"   | 7/16"         | 3/16"          | PE5-156L8 | PE5-156L9 | PE5-156L10 | PE5-156L11 | PE5-156L12 |
| 3/16" | 5/16"  | 1/2"          | 1/4"           | PE5-187L8 | PE5-187L9 | PE5-187L10 | PE5-187L11 | PE5-187L12 |
| 7/32" | 11/32" | 9/16"         | 1/4"           | PE5-219L8 | PE5-219L9 | PE5-219L10 | PE5-219L11 | PE5-219L12 |
| 1/4"  | 3/8"   | 5/8"          | 1/4"           | PE5-250L8 | PE5-250L9 | PE5-250L10 | PE5-250L11 | PE5-250L12 |
| 5/16" | 7/16"  | 11/16"        | 1/4"           | PE5-312L8 | PE5-312L9 | PE5-312L10 | PE5-312L11 | PE5-312L12 |
| 3/8"  | 1/2"   | 3/4"          | 1/4"           | PE5-375L8 | PE5-375L9 | PE5-375L10 | PE5-375L11 | PE5-375L12 |
| 7/16" | 5/8"   | 7/8"          | 1/4"           | PE5-437L8 | PE5-437L9 | PE5-437L10 | PE5-437L11 | PE5-437L12 |
| 1/2"  | 11/16" | 15/16"        | 1/4"           | PE5-500L8 | PE5-500L9 | PE5-500L10 | PE5-500L11 | PE5-500L12 |
| 9/16" | 3/4"   | 1"            | 1/4"           | PE5-562L8 | PE5-562L9 | PE5-562L10 | PE5-562L11 | PE5-562L12 |
| 5/8"  | 7/8"   | 1-1/8"        | 1/4"           | PE5-625L8 | PE5-625L9 | PE5-625L10 | PE5-625L11 | PE5-625L12 |
| 3/4"  | 1"     | 1-1/4"        | 1/4"           | PE5-750L8 | PE5-750L9 | PE5-750L10 | PE5-750L11 | PE5-750L12 |





# PE7 Metric Ejector Pins

*Nitrided Straight Metric Ejector Pins - DIN*

## Features

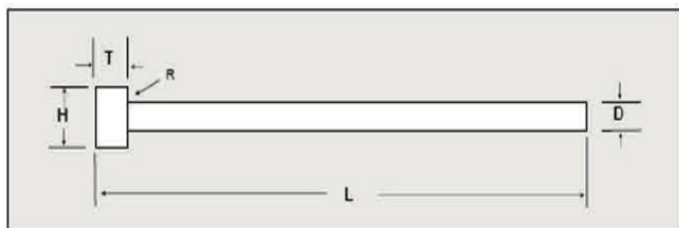
- Material: H-13 Hotwork Die Steel (1.2344)
- Core: Hardened Throughout to 41 - 45 Rc
- Surface: Ion Nitrided to 65 - 74 Rc



## Description

Plastixs<sup>®</sup> PE7 Nitrided Straight Metric Ejector Pins are made from the finest grade, premium H-13 hotwork die steel. The heads are hot forged and stress relieved for uniform grain flow and high tensile strength.

| Head Diameter<br>H | Head Thickness<br>T  | OAL<br>L           |
|--------------------|----------------------|--------------------|
| +0.0 mm<br>-0.2 mm | +0.00 mm<br>-0.05 mm | +2.0 mm<br>-0.0 mm |



| TOLERANCES      |                      |        |
|-----------------|----------------------|--------|
| Pin DIA. (D) g6 |                      | R      |
| Size            | Tolerance            |        |
| 0 to 3 mm       | -.002 mm<br>-.008 mm | 0.3 mm |
| 3.5 to 6 mm     | -.002 mm<br>-.008 mm | 0.3 mm |
| 6.5 to 10 mm    | -.002 mm<br>-.008 mm | 0.5 mm |
| 11 to 18 mm     | -.006 mm<br>-.017 mm | 0.8 mm |
| 20 to 25 mm     | -.006 mm<br>-.017 mm | 0.8 mm |

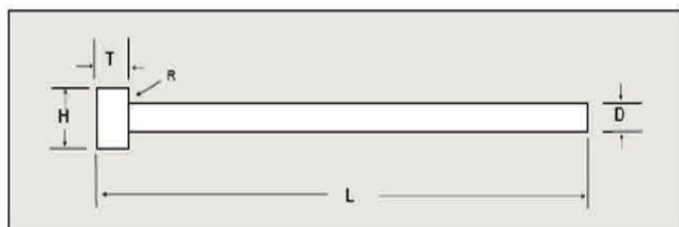
| D               |                    | H<br>Head<br>Diameter | T<br>Head<br>Thickness | L-160<br>Item# | L-250<br>Item# | L-315<br>Item# | L-400<br>Item# | L-500<br>Item# |
|-----------------|--------------------|-----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|
| Pin Diamter     |                    |                       |                        |                |                |                |                |                |
| Nominal<br>Size | Inch<br>Conversion |                       |                        |                |                |                |                |                |
| 2mm             | 0.0787"            | 4mm                   | 2mm                    | PE7-02L160     | PE7-02L250     | -              | -              | -              |
| 2.5mm           | 0.0984"            | 5mm                   | 2mm                    | PE7-025L160    | PE7-025L250    | PE7-025L315    | -              | -              |
| 3mm             | 0.1181"            | 6mm                   | 3mm                    | PE7-03L160     | PE7-03L250     | PE7-03L315     | PE7-03L400     | PE7-03L500     |
| 3.5mm           | 0.1378"            | 7mm                   | 3mm                    | PE7-035L160    | PE7-035L250    | PE7-035L315    | PE7-035L400    | PE7-035L500    |



## PE7 Metric Ejector Pins (Continued)

*Nitrided Straight Metric Ejector Pins - DIN*

| Head Diameter<br>H | Head Thickness<br>T  | OAL<br>L           |
|--------------------|----------------------|--------------------|
| +0.0 mm<br>-0.2 mm | +0.00 mm<br>-0.05 mm | +2.0 mm<br>-0.0 mm |



| TOLERANCES      |                      |        |
|-----------------|----------------------|--------|
| Pin DIA. (D) g6 |                      | R      |
| Size            | Tolerance            |        |
| 0 to 3 mm       | -.002 mm<br>-.008 mm | 0.3 mm |
| 3.5 to 6 mm     | -.002 mm<br>-.008 mm | 0.3 mm |
| 6.5 to 10 mm    | -.002 mm<br>-.008 mm | 0.5 mm |
| 11 to 18 mm     | -.006 mm<br>-.017 mm | 0.8 mm |
| 20 to 25 mm     | -.006 mm<br>-.017 mm | 0.8 mm |

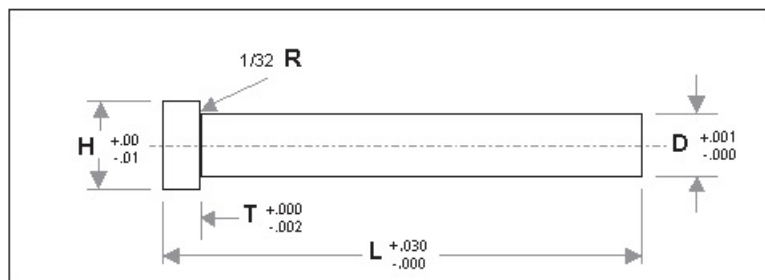
| D               |                    | H<br>Head<br>Diameter | T<br>Head<br>Thickness | L-160<br>Item# | L-250<br>Item# | L-315<br>Item# | L-400<br>Item# | L-500<br>Item# |
|-----------------|--------------------|-----------------------|------------------------|----------------|----------------|----------------|----------------|----------------|
| Nominal<br>Size | Inch<br>Conversion |                       |                        |                |                |                |                |                |
| 4mm             | 0.1575"            | 8mm                   | 3mm                    | PE7-04L160     | PE7-04L250     | PE7-04L315     | PE7-04L400     | PE7-04L500     |
| 4.5mm           | 0.1772"            | 8mm                   | 3mm                    | PE7-045L160    | PE7-045L250    | PE7-045L315    | PE7-045L400    | PE7-045L500    |
| 5mm             | 0.1969"            | 10mm                  | 3mm                    | PE7-05L160     | PE7-05L250     | PE7-05L315     | PE7-05L400     | PE7-05L500     |
| 5.5mm           | 0.2165"            | 10mm                  | 3mm                    | PE7-055L160    | PE7-055L250    | PE7-055L315    | PE7-055L400    | PE7-055L500    |
| 6mm             | 0.2362"            | 12mm                  | 5mm                    | PE7-06L160     | PE7-06L250     | PE7-06L315     | PE7-06L400     | PE7-06L500     |
| 6.5mm           | 0.2559"            | 12mm                  | 5mm                    | PE7-065L160    | PE7-065L250    | PE7-065L315    | PE7-065L400    | PE7-065L500    |
| 7mm             | 0.2756"            | 12mm                  | 5mm                    | PE7-07L160     | PE7-07L250     | PE7-07L315     | PE7-07L400     | PE7-07L500     |
| 8mm             | 0.3150"            | 14mm                  | 5mm                    | PE7-08L160     | PE7-08L250     | PE7-08L315     | PE7-08L400     | PE7-08L500     |
| 9mm             | 0.3543"            | 14mm                  | 5mm                    | PE7-09L160     | PE7-09L250     | PE7-09L315     | PE7-09L400     | PE7-09L500     |
| 10mm            | 0.3937"            | 16mm                  | 5mm                    | PE7-10L160     | PE7-10L250     | PE7-10L315     | PE7-10L400     | PE7-10L500     |
| 11mm            | 0.4331"            | 16mm                  | 5mm                    | PE7-11L160     | PE7-11L250     | PE7-11L315     | PE7-11L400     | PE7-11L500     |
| 12mm            | 0.4724"            | 20mm                  | 7mm                    | PE7-12L160     | PE7-12L250     | PE7-12L315     | PE7-12L400     | PE7-12L500     |
| 14mm            | 0.5512"            | 22mm                  | 7mm                    | PE7-14L160     | PE7-14L250     | PE7-14L315     | PE7-14L400     | -              |
| 16mm            | 0.6299"            | 22mm                  | 7mm                    | PE7-16L160     | PE7-16L250     | PE7-16L315     | PE7-16L400     | -              |
| 18mm            | 0.7087"            | 26mm                  | 7mm                    | PE7-18L160     | PE7-18L250     | PE7-18L315     | PE7-18L400     | -              |
| 20mm            | 0.7874"            | 26mm                  | 8mm                    | PE7-20L160     | PE7-20L250     | PE7-20L315     | PE7-20L400     | -              |
| 25mm            | 0.9843"            | 32mm                  | 10mm                   | PE7-25L160     | PE7-25L250     | PE7-25L315     | PE7-25L400     | -              |



## PC1 Core Pins

Plastixs<sup>®</sup> Core Pins are precision ground and through-hardened. They are made of H-13 Hotwork Die Steel Material.

**Standard Hardness: 30 - 35 Rc**



## Standard Hardness Specifications PC1 (30 - 35 Rc)

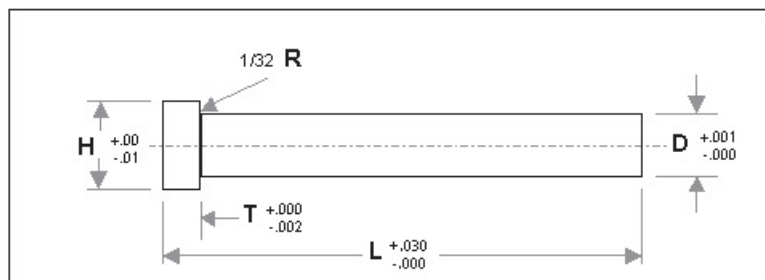
| D<br>Nominal Pin<br>Diameter | H<br>Head<br>Diameter | T<br>Head<br>Thickness | L = 3"<br>Item# | L = 6"<br>Item# | L = 10"<br>Item# |
|------------------------------|-----------------------|------------------------|-----------------|-----------------|------------------|
| 3/32"                        | 1/4"                  | 1/8"                   | PC1-094L3       | PC1-094L6       | PC1-094L10       |
| 7/64"                        | 1/4"                  | 1/8"                   | PC1-109L3       | PC1-109L6       | PC1-109L10       |
| 1/8"                         | 1/4"                  | 1/8"                   | PC1-125L3       | PC1-125L6       | PC1-125L10       |
| 9/64"                        | 1/4"                  | 1/8"                   | PC1-141L3       | PC1-141L6       | PC1-141L10       |
| 5/32"                        | 9/32"                 | 5/32"                  | PC1-156L3       | PC1-156L6       | PC1-156L10       |
| 11/64"                       | 11/32"                | 3/16"                  | PC1-172L3       | PC1-172L6       | PC1-172L10       |
| 3/16"                        | 3/8"                  | 3/16"                  | PC1-187L3       | PC1-187L6       | PC1-187L10       |
| 13/64"                       | 3/8"                  | 3/16"                  | PC1-203L3       | PC1-203L6       | PC1-203L10       |
| 7/32"                        | 13/32"                | 3/16"                  | PC1-219L3       | PC1-219L6       | PC1-219L10       |
| 1/4"                         | 7/16"                 | 3/16"                  | PC1-250L3       | PC1-250L6       | PC1-250L10       |
| 9/32"                        | 7/16"                 | 1/4"                   | PC1-281L3       | PC1-281L6       | PC1-281L10       |
| 5/16"                        | 1/2"                  | 1/4"                   | PC1-312L3       | PC1-312L6       | PC1-312L10       |
| 11/32"                       | 9/16"                 | 1/4"                   | PC1-344L3       | PC1-344L6       | PC1-344L10       |
| 3/8"                         | 5/8"                  | 1/4"                   | PC1-375L3       | PC1-375L6       | PC1-375L10       |
| 13/32"                       | 11/16"                | 1/4"                   | PC1-406L3       | PC1-406L6       | PC1-406L10       |
| 7/16"                        | 11/16"                | 1/4"                   | PC1-437L3       | PC1-437L6       | PC1-437L10       |
| 15/32"                       | 3/4"                  | 1/4"                   | PC1-469L3       | PC1-469L6       | PC1-469L10       |
| 1/2"                         | 3/4"                  | 1/4"                   | PC1-500L3       | PC1-500L6       | PC1-500L10       |
| 9/16"                        | 13/16"                | 1/4"                   | -               | PC1-563L6       | PC1-563L10       |
| 5/8"                         | 7/16"                 | 1/4"                   | -               | PC1-625L6       | PC1-625L10       |
| 3/4"                         | 1"                    | 1/4"                   | -               | PC1-750L6       | PC1-750L10       |



## PC2 Core Pins

Plastixs<sup>®</sup> Core Pins are precision ground and through-hardened. They are made of H-13 Hotwork Die Steel Material.

**High Hardness: 50 - 55 Rc**



## High Hardness Specifications PC2 (50 - 55 Rc)

| D<br>Nominal Pin<br>Diameter | H<br>Head<br>Diameter | T<br>Head<br>Thickness | L = 3"<br>Item# | L = 6"<br>Item# | L = 10"<br>Item# |
|------------------------------|-----------------------|------------------------|-----------------|-----------------|------------------|
| 3/32"                        | 1/4"                  | 1/8"                   | PC2-094L3       | PC2-094L6       | PC2-094L10       |
| 7/64"                        | 1/4"                  | 1/8"                   | PC2-109L3       | PC2-109L6       | PC2-109L10       |
| 1/8"                         | 1/4"                  | 1/8"                   | PC2-125L3       | PC2-125L6       | PC2-125L10       |
| 9/64"                        | 1/4"                  | 1/8"                   | PC2-141L3       | PC2-141L6       | PC2-141L10       |
| 5/32"                        | 9/32"                 | 5/32"                  | PC2-156L3       | PC2-156L6       | PC2-156L10       |
| 11/64"                       | 11/32"                | 3/16"                  | PC2-172L3       | PC2-172L6       | PC2-172L10       |
| 3/16"                        | 3/8"                  | 3/16"                  | PC2-187L3       | PC2-187L6       | PC2-187L10       |
| 13/64"                       | 3/8"                  | 3/16"                  | PC2-203L3       | PC2-203L6       | PC2-203L10       |
| 7/32"                        | 13/32"                | 3/16"                  | PC2-219L3       | PC2-219L6       | PC2-219L10       |
| 1/4"                         | 7/16"                 | 3/16"                  | PC2-250L3       | PC2-250L6       | PC2-250L10       |
| 9/32"                        | 7/16"                 | 1/4"                   | PC2-281L3       | PC2-281L6       | PC2-281L10       |
| 5/16"                        | 1/2"                  | 1/4"                   | PC2-312L3       | PC2-312L6       | PC2-312L10       |
| 11/32"                       | 9/16"                 | 1/4"                   | PC2-344L3       | PC2-344L6       | PC2-344L10       |
| 3/8"                         | 5/8"                  | 1/4"                   | PC2-375L3       | PC2-375L6       | PC2-375L10       |
| 13/32"                       | 11/16"                | 1/4"                   | PC2-406L3       | PC2-406L6       | PC2-406L10       |
| 7/16"                        | 11/16"                | 1/4"                   | PC2-437L3       | PC2-437L6       | PC2-437L10       |
| 15/32"                       | 3/4"                  | 1/4"                   | PC2-469L3       | PC2-469L6       | PC2-469L10       |
| 1/2"                         | 3/4"                  | 1/4"                   | PC2-500L3       | PC2-500L6       | PC2-500L10       |
| 9/16"                        | 13/16"                | 1/4"                   | -               | PC2-563L6       | PC2-563L10       |
| 5/8"                         | 7/16"                 | 1/4"                   | -               | PC2-625L6       | PC2-625L10       |
| 3/4"                         | 1"                    | 1/4"                   | -               | PC2-750L6       | PC2-750L10       |

