

# Regal Components

*an Ezell Specialty Products company*

## H-13 Products

Catalog No. 704

### *Higher Standards for Molds and Dies*

## Ejector Pins

*Nitrided*

*Standard Inch & Metric*

*Hardened-Through*

*Standard Inch*

## Core Pins

*Standard Hardness & High Hardness*

## Ejector Sleeves

*Nitrided I.D. & O.D.*

*Standard Inch*

## Ejector Blades

*Hardened-Through*

*Standard Inch*



**Regal Components, Inc.**

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4733 122nd Ave. North, Clearwater, FL 33762 USA

Toll-Free: 800-760-5715 sales@regalcomps.com www.regalcomps.com



## Terms and Conditions

**Pricing:** All prices are in US dollars and are subject to change without notice.

**Payment Terms:** 1% 10, net 30 days.

**F.O.B.:** Shipping Point, prepaid and added or collect

**Shipping:** Shipments will be made via UPS, Federal Express, or other available carrier specified by the customer. We are not responsible for shipping charges, damage, or delays encountered during transportation.

**Returns:** Prior approval must be obtained. Upon receipt, returned parts will be inspected and a credit will be issued to the customer's account, less a 15% restocking charge. Unless defective, custom and made-to-order components are not returnable.

**Warranty:** Due to the wide variety of applications and possible uses by our customers, no warranties are expressed or implied. Regal liability for items sold hereunder shall be limited solely to the repair or replacement of the items sold hereunder.

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## Ejector Sleeves ..... 1

ID's : 3/32" - 3/4"  
Lengths: 3" - 12"

## Nitrided Ejector Pins

### Shoulder Type ..... 2

Fractional Diameters: 1/32" - 7/64"  
.005" Oversize Diameters  
Lengths: 6", 8", & 10"

### Straight Type ..... 3

Fractional Diameters: 1/32" - 1"  
.005" Oversize Diameters  
Letter Size diameters: B - Y

## Through-Hardened Ejector Pins

### Shoulder Type ..... 4

Diameters: 1/32" - 7/64"  
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### Straight Type ..... 5

Fractional Diameters: 1/32" - 1/2"  
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ID's : 3/32" - 3/4"  
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Standard & High Hardness  
Diameters: 3/64" - 3/4"  
Lengths: 3", 6" & 10"

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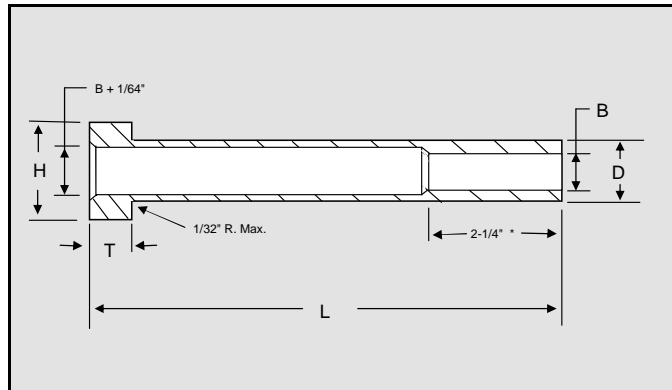
Diameters: 2.0 mm - 25 mm  
Lengths: 160 mm - 500 mm

## ESL Type Nitrided O.D. & I.D.

Material: H-13, Nitrided O.D. & I.D. 65-74 Rc

| TOLERANCES           |                      |                    |                    |                    |
|----------------------|----------------------|--------------------|--------------------|--------------------|
| I.D.                 | O.D.                 | HEAD DIA.          | HEAD THICK         | O.A.L.             |
| 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" |

| HOW TO ORDER: Specify |             |        |
|-----------------------|-------------|--------|
| Quantity              | Catalog No. | Length |
| 6                     | ESL-25      | L-5"   |
| 24                    | ESL-17      | L7"    |



| REGAL CATALOG NUMBER | B<br>I.D. | D<br>O.D. | H<br>HEAD DIA. | T<br>HEAD THICK. | NET PRICE EACH (US\$) |       |       |       |       |
|----------------------|-----------|-----------|----------------|------------------|-----------------------|-------|-------|-------|-------|
|                      |           |           |                |                  | LENGTHS               |       |       |       |       |
|                      |           |           |                |                  | L-3"                  | L-4"  | L-5"  | L-6"  | L-7"  |
| ESL-13               | 3/32      | 3/16      | 3/8            | 3/16             | 26.35                 | 28.65 | 31.45 | 33.95 | 37.00 |
| ESL-15               | 1/8       | 7/32      | 13/32          | 3/16             | 25.10                 | 27.90 | 30.90 | 33.45 | 36.50 |
| ESL-17               | 5/32      | 1/4       | 7/16           | 3/16             | -                     | 21.30 | 22.30 | 24.10 | 26.35 |
| ESL-21               | 3/16      | 5/16      | 1/2            | 1/4              | -                     | 21.80 | 23.05 | 25.10 | 27.65 |
| ESL-23               | 7/32      | 11/32     | 9/16           | 1/4              | -                     | 22.05 | 23.60 | 25.60 | 28.40 |
| ESL-25               | 1/4       | 3/8       | 5/8            | 1/4              | -                     | 22.55 | 24.10 | 26.35 | 28.90 |
| ESL-29               | 5/16      | 7/16      | 11/16          | 1/4              | -                     | 23.05 | 25.60 | 28.15 | 30.90 |
| ESL-33               | 3/8       | 1/2       | 3/4            | 1/4              | -                     | 23.60 | 27.90 | 30.40 | 33.45 |
| ESL-37               | 7/16      | 5/8       | 7/8            | 1/4              | -                     | 25.35 | 30.40 | 35.50 | 38.50 |
| ESL-39               | 1/2       | 11/16     | 15/16          | 1/4              | -                     | 26.60 | 31.45 | 37.00 | 40.55 |
| ESL-41               | 9/16      | 3/4       | 1"             | 1/4              | -                     | 33.00 | 36.50 | 40.00 | 44.00 |
| ESL-45               | 5/8       | 7/8       | 1-1/8          | 1/4              | -                     | 37.50 | 41.00 | 45.00 | 49.00 |
| ESL-47               | 3/4       | 1"        | 1-1/4          | 1/4              | -                     | 41.50 | 45.50 | 49.50 | 54.00 |

| REGAL CATALOG NUMBER | B<br>I.D. | D<br>O.D. | H<br>HEAD DIA. | T<br>HEAD THICK. | NET PRICE EACH (US\$) |       |       |       |       |
|----------------------|-----------|-----------|----------------|------------------|-----------------------|-------|-------|-------|-------|
|                      |           |           |                |                  | LENGTHS               |       |       |       |       |
|                      |           |           |                |                  | L-8"                  | L-9"  | L-10" | L-11" | L-12" |
| ESL-13               | 3/32      | 3/16      | 3/8            | 3/16             | 43.55                 | -     | 53.80 | -     | -     |
| ESL-15               | 1/8       | 7/32      | 13/32          | 3/16             | 40.25                 | -     | 49.00 | -     | -     |
| ESL-17               | 5/32      | 1/4       | 7/16           | 3/16             | 28.90                 | 31.95 | 36.00 | -     | -     |
| ESL-21               | 3/16      | 5/16      | 1/2            | 1/4              | 30.40                 | 33.45 | 37.50 | 41.50 | 46.50 |
| ESL-23               | 7/32      | 11/32     | 9/16           | 1/4              | 31.45                 | 35.50 | 39.05 | -     | -     |
| ESL-25               | 1/4       | 3/8       | 5/8            | 1/4              | 31.95                 | 36.00 | 40.05 | 44.50 | 49.50 |
| ESL-29               | 5/16      | 7/16      | 11/16          | 1/4              | 34.45                 | 38.50 | 42.55 | 47.50 | 52.50 |
| ESL-33               | 3/8       | 1/2       | 3/4            | 1/4              | 37.00                 | 44.05 | 45.60 | 50.50 | 56.00 |
| ESL-37               | 7/16      | 5/8       | 7/8            | 1/4              | 42.55                 | 46.60 | 51.20 | 56.50 | 62.00 |
| ESL-39               | 1/2       | 11/16     | 15/16          | 1/4              | 44.60                 | 49.15 | 54.20 | 59.50 | 65.00 |
| ESL-41               | 9/16      | 3/4       | 1"             | 1/4              | 48.00                 | 53.00 | 57.50 | 63.00 | 68.50 |
| ESL-45               | 5/8       | 7/8       | 1-1/8          | 1/4              | 53.50                 | 58.50 | 63.50 | 69.50 | 75.00 |
| ESL-47               | 3/4       | 1"        | 1-1/4          | 1/4              | 58.50                 | 64.00 | 69.50 | 75.00 | 81.50 |

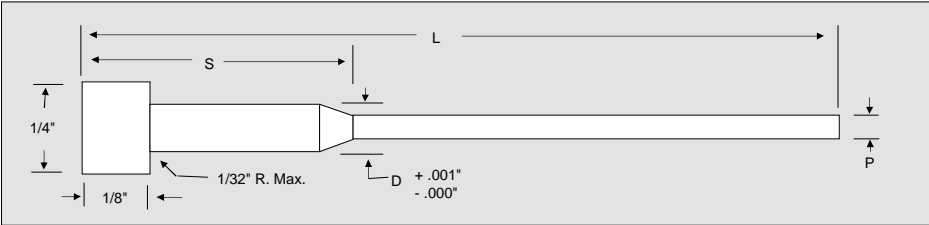
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4733 122nd Ave. N., Clearwater, FL 33762

Ph: 727-572-6208 Fax: 727-499-7109 E-Mail: sales@regalcomps.com www.regalcomps.com

## ERX TYPE H-13 Nitrided

MATERIAL: H-13 HOTWORK DIE STEEL  
 CORE: HARDENED THROUGHOUT TO 41-45 Rc  
 SURFACE: ION NITRIDED TO 65-74 Rc



**Regal ERX Nitrided Ejector Pins** are made from the finest grade of H-13 hotwork die steel. The heads are hot forged and stress relieved for uniform grain flow and high tensile strength. The core is hardened through to 41-45 Rc and the surface is ion nitrided to 65-74 Rc. Diameters are precision ground to a high surface finish (6-10 rms) and .0003" tolerance.

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

| HOW TO ORDER     |          |                |             |        |
|------------------|----------|----------------|-------------|--------|
| Specify:         | Quantity | Catalog Number | If Oversize | Length |
| <i>Examples:</i> | 24       | ERX-5-2        |             | L-6"   |
|                  | 48       | ERX-3-2        | +.005"      | L-10"  |

### STANDARD FRACTIONAL & .005" OVERSIZE DIAMETERS

| P                |                  | S               | REGAL CAT. NO. | NET PRICE EACH (US\$) |               |               |             |               | Pkg. Qty. |
|------------------|------------------|-----------------|----------------|-----------------------|---------------|---------------|-------------|---------------|-----------|
|                  |                  |                 |                | L-4"                  | L-6"          | L-10"         |             | L-14"         |           |
| NOMINAL PIN DIA. | ACTUAL PIN DIA.  | SHOULDER LENGTH |                | STANDARD DIA.         | STANDARD DIA. | STANDARD DIA. | +.005" DIA. | STANDARD DIA. |           |
| 1/32"            | .0308"<br>.0305" | 1/2"            | ERX-2-1/2      | -                     | 7.23          | -             | -           | -             | 12        |
|                  |                  | 2"              | ERX-2-2        | -                     | 7.12          | -             | -           |               |           |
|                  |                  | 3"              | ERX-2-3        | -                     | -             | 8.93          | -           | -             |           |
|                  |                  | 4"              | ERX-2-4        | -                     | -             | 8.93          | -           | -             |           |
| 3/64"            | .0464"<br>.0461" | 1/2"            | ERX-3-1/2      | 4.15                  | 4.20          | 5.42          | 5.98        | 6.94          |           |
|                  |                  | 2"              | ERX-3-2        | 4.06                  | 4.11          | 4.79          | 5.76        | 6.72          |           |
|                  |                  | 3"              | ERX-3-3        | -                     | -             | 4.79          | -           | -             |           |
|                  |                  | 4"              | ERX-3-4        | -                     | -             | 4.79          | -           | -             |           |
| 1/16"            | .0620"<br>.0617" | 1/2"            | ERX-5-1/2      | 3.91                  | 3.96          | 5.07          | 5.64        | 6.53          |           |
|                  |                  | 2"              | ERX-5-2        | 3.81                  | 3.87          | 4.83          | 5.42        | 6.17          |           |
|                  |                  | 3"              | ERX-5-3        | -                     | -             | 4.64          | -           | -             |           |
|                  |                  | 4"              | ERX-5-4        | -                     | -             | 4.83          | -           | -             |           |
| 5/64"            | .0776"<br>.0773" | 1/2"            | ERX-6-1/2      | 3.91                  | 3.96          | 5.07          | 5.64        | 6.62          |           |
|                  |                  | 2"              | ERX-6-2        | 3.81                  | 3.87          | 4.83          | 5.42        | 6.27          |           |
|                  |                  | 3"              | ERX-6-3        | -                     | -             | 4.64          | -           | -             |           |
|                  |                  | 4"              | ERX-6-4        | -                     | -             | 4.83          | -           | -             |           |
| 3/32"            | .0933"<br>.0930" | 1/2"            | ERX-7-1/2      | 3.51                  | 3.57          | 4.60          | 5.18        | 6.27          |           |
|                  |                  | 2"              | ERX-7-2        | 3.42                  | 3.47          | 4.37          | 4.95        | 6.02          |           |
|                  |                  | 3"              | ERX-7-3        | -                     | -             | 4.18          | -           | -             |           |
|                  |                  | 4"              | ERX-7-4        | -                     | -             | 4.37          | -           | -             |           |
| 7/64"            | .1089"<br>.1086" | 1/2"            | ERX-8-1/2      | 3.51                  | 3.57          | 4.60          | 5.18        | 6.27          |           |
|                  |                  | 2"              | ERX-8-2        | 3.42                  | 3.47          | 4.37          | 4.95        | 5.90          |           |
|                  |                  | 3"              | ERX-8-3        | -                     | -             | 4.18          | -           | -             |           |
|                  |                  | 4"              | ERX-8-4        | -                     | -             | 4.37          | -           | -             |           |

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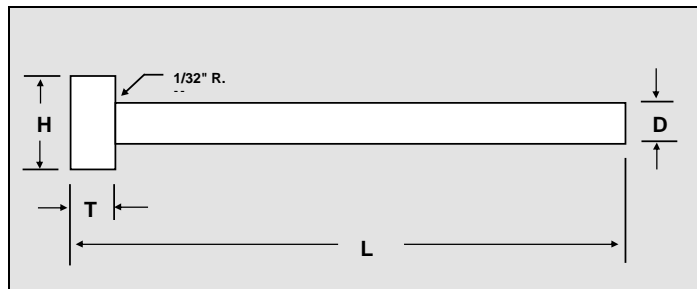
E-Mail: sales@regalcomps.com www.regalcomps.com

## ERX TYPE *Nitrided*

MATERIAL: H-13 HOTWORK DIE STEEL  
 CORE: HARDENED THROUGHOUT TO 41-45 Rc  
 SURFACE: ION NITRIDED TO 65-74 Rc

| TOLERANCES                 |                      |         |         |         |
|----------------------------|----------------------|---------|---------|---------|
| D                          | H                    | T       | L       |         |
| UP TO 1/2" DIA. & 14" LONG | - .0005"<br>- .0008" | + .000" | + .000" | + .375" |
| OVER 1/2" DIA. & 14" LONG  | - .0003"<br>- .0008" | - .010" | - .002" | - .000" |

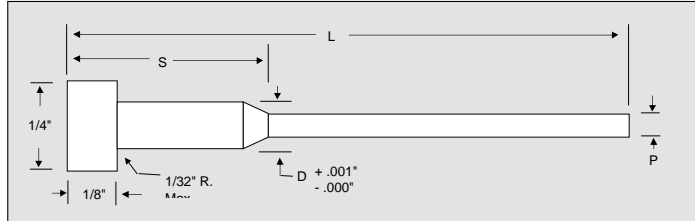
| HOW TO ORDER |          |          |        |
|--------------|----------|----------|--------|
| Specify:     | Quantity | Cat. No. | Length |
|              | 60       | ERX-17   | L-6"   |
|              | 12       | ERX-25   | L-10"  |



| D            |                | H         | T           | REGAL CATALOG NUMBER | L-4"      | L-6"      | L-10"     | L-14"        | L-18"     | L-25"        | L-36"     | Pkg. Qty. |           |       |   |   |
|--------------|----------------|-----------|-------------|----------------------|-----------|-----------|-----------|--------------|-----------|--------------|-----------|-----------|-----------|-------|---|---|
| NOMINAL SIZE | DECIMAL EQUIV. | HEAD DIA. | HEAD THICK. |                      | STD. DIA. | STD. DIA. | STD. DIA. | + .005" DIA. | STD. DIA. | + .005" DIA. | STD. DIA. |           | STD. DIA. |       |   |   |
| 1/32         | 0.0313         | 1/4       | 1/8         | ERX-2                | -         | -         | -         | -            | -         | -            | -         | 12        |           |       |   |   |
| 3/64         | 0.0469         |           |             | ERX-3                | 4.24      | 4.30      | -         | -            | -         | -            | -         |           | -         |       |   |   |
| 1/16         | 0.0625         |           |             | ERX-5                | 3.95      | 4.00      | 5.17      | 6.02         | -         | -            | -         |           | -         |       |   |   |
| 5/64         | 0.0781         |           |             | ERX-6                | 3.95      | 4.00      | 4.83      | 6.02         | -         | -            | -         |           | -         |       |   |   |
| 3/32         | 0.0938         |           |             | ERX-7                | 3.56      | 3.61      | 4.06      | 5.28         | -         | -            | -         |           | -         |       |   |   |
| 7/64         | 0.1094         |           |             | ERX-8                | 3.56      | 3.61      | 4.06      | 5.28         | -         | -            | -         |           | -         |       |   |   |
| 1/8          | 0.1250         |           |             | ERX-9                | 1.90      | 1.96      | 2.20      | 2.48         | 2.75      | 2.95         | 6.38      |           | -         | -     |   |   |
| 9/64         | 0.1406         |           |             | ERX-10               | -         | 2.30      | 2.35      | 2.67         | 3.20      | -            | 6.07      |           | -         | -     |   |   |
| 5/32         | 0.1563         |           |             | 9/32                 | 5/32      | ERX-11    | 1.99      | 2.05         | 2.30      | 2.59         | 2.96      |           | 3.26      | 4.13  | - | - |
| 11/64        | 0.1719         |           |             | 11/32                | 3/16      | ERX-12    | 2.39      | 2.45         | 2.50      | 2.84         | 3.32      |           | -         | -     | - | - |
| 3/16         | 0.1875         | 3/8       | 3/16        | ERX-13               | 2.05      | 2.10      | 2.45      | 2.76         | 3.26      | 3.50         | 4.28      | 6.12      | -         |       |   |   |
| 13/64        | 0.2031         | 3/8       | 3/16        | ERX-14               | -         | -         | 2.74      | -            | 3.52      | -            | -         | -         | -         |       |   |   |
| 7/32         | 0.2188         | 13/32     | 3/16        | ERX-15               | 2.19      | 2.24      | 2.73      | 3.06         | 3.62      | -            | -         | 6.63      | -         |       |   |   |
| 15/64        | 0.2344         | 13/32     | 3/16        | ERX-16               | -         | -         | 3.00      | -            | 3.88      | -            | -         | -         | -         |       |   |   |
| B            | 0.2380         | 7/16      | 3/16        | ERX-B                | -         | -         | 4.39      | -            | -         | -            | -         | -         | -         |       |   |   |
| C            | 0.2420         | 7/16      | 3/16        | ERX-C                | -         | -         | 4.44      | -            | -         | -            | -         | -         | -         |       |   |   |
| D            | 0.2460         | 7/16      | 3/16        | ERX-D                | -         | -         | 4.59      | -            | -         | -            | -         | -         | -         |       |   |   |
| 1/4          | 0.2500         | 7/16      | 3/16        | ERX-17               | 2.34      | 2.39      | 2.98      | 3.34         | 3.86      | 4.27         | 4.95      | 5.60      | 7.13      | -     |   |   |
| F            | 0.2570         | 7/16      | 3/16        | ERX-F                | -         | -         | 4.64      | -            | -         | -            | -         | -         | -         | -     |   |   |
| G            | 0.2610         | 7/16      | 1/4         | ERX-G                | -         | -         | 4.69      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 17/64        | 0.2656         | 7/16      | 1/4         | ERX-18               | -         | -         | 3.52      | -            | 4.21      | -            | -         | -         | 7.55      | -     |   |   |
| I            | 0.2720         | 7/16      | 1/4         | ERX-I                | -         | -         | 4.85      | -            | -         | -            | -         | -         | -         | -     |   |   |
| J            | 0.2770         | 7/16      | 1/4         | ERX-J                | -         | -         | 4.90      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 9/32         | 0.2813         | 7/16      | 1/4         | ERX-19               | 2.77      | 2.87      | 3.65      | 3.75         | 4.35      | -            | 5.80      | -         | 8.05      | -     |   |   |
| L            | 0.2900         | 1/2       | 1/4         | ERX-L                | -         | -         | 5.20      | -            | -         | -            | -         | -         | -         | -     |   |   |
| M            | 0.2950         | 1/2       | 1/4         | ERX-M                | -         | -         | 5.25      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 19/64        | 0.2969         | 1/2       | 1/4         | ERX-20               | -         | -         | 3.86      | -            | 4.85      | -            | -         | -         | -         | -     |   |   |
| N            | 0.3020         | 1/2       | 1/4         | ERX-N                | -         | -         | 5.36      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 5/16         | 0.3125         | 1/2       | 1/4         | ERX-21               | 3.06      | 3.16      | 4.06      | 4.15         | 4.85      | 5.40         | 6.38      | 6.99      | 8.66      | 32.13 |   |   |
| P            | 0.3230         | 9/16      | 1/4         | ERX-P                | -         | -         | 5.66      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 21/64        | 0.3281         | 9/16      | 1/4         | ERX-22               | -         | -         | 4.35      | -            | 5.65      | -            | -         | -         | 9.37      | -     |   |   |
| Q            | 0.3320         | 9/16      | 1/4         | ERX-Q                | -         | -         | 5.87      | -            | -         | -            | -         | -         | -         | -     |   |   |
| R            | 0.3390         | 9/16      | 1/4         | ERX-R                | -         | -         | 5.97      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 11/32        | 0.3438         | 9/16      | 1/4         | ERX-23               | 3.51      | 3.56      | 4.55      | 4.70         | 5.73      | -            | -         | -         | 9.70      | -     |   |   |
| 23/64        | 0.3594         | 5/8       | 1/4         | ERX-24               | -         | -         | 4.85      | -            | 6.13      | -            | -         | -         | -         | -     |   |   |
| U            | 0.3680         | 5/8       | 1/4         | ERX-U                | -         | -         | 6.48      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 3/8          | 0.3750         | 5/8       | 1/4         | ERX-25               | 3.71      | 3.75      | 5.05      | 5.24         | 6.19      | 6.77         | 8.35      | 9.18      | 11.88     | 31.61 |   |   |
| V            | 0.3770         | 5/8       | 1/4         | ERX-V                | -         | -         | 6.63      | -            | -         | -            | -         | -         | -         | -     |   |   |
| W            | 0.3860         | 5/8       | 1/4         | ERX-W                | -         | -         | 6.63      | -            | -         | -            | -         | -         | -         | -     |   |   |
| X            | 0.3970         | 11/16     | 1/4         | ERX-X                | -         | -         | 6.99      | -            | -         | -            | -         | -         | -         | -     |   |   |
| Y            | 0.4040         | 11/16     | 1/4         | ERX-Y                | -         | -         | 7.14      | -            | -         | -            | -         | -         | -         | -     |   |   |
| 13/32        | 0.4063         | 11/16     | 1/4         | ERX-27               | 4.11      | 4.15      | 5.63      | 5.90         | 7.28      | -            | 9.60      | -         | 13.82     | -     |   |   |
| 7/16         | 0.4375         | 11/16     | 1/4         | ERX-29               | 4.46      | 4.55      | 6.19      | 6.43         | 7.87      | 8.62         | 10.70     | -         | 15.45     | 34.31 |   |   |
| 15/32        | 0.4688         | 3/4       | 1/4         | ERX-31               | 5.73      | 5.83      | 6.78      | 7.02         | 11.29     | -            | 11.82     | -         | 17.58     | -     |   |   |
| 1/2          | 0.5000         | 3/4       | 1/4         | ERX-33               | 5.29      | 5.44      | 7.37      | 7.71         | 9.69      | 10.29        | 12.80     | -         | 19.02     | 37.98 |   |   |
| 9/16         | 0.5625         | 13/16     | 1/4         | ERX-35               | -         | 6.72      | 9.17      | -            | 11.68     | -            | 15.25     | -         | 21.82     | -     |   |   |
| 5/8          | 0.6250         | 7/8       | 1/4         | ERX-37               | -         | 7.79      | 10.76     | -            | 13.56     | -            | 17.60     | -         | 24.63     | -     |   |   |
| 11/16        | 0.6875         | 15/16     | 1/4         | ERX-39               | -         | 10.26     | 12.69     | -            | 17.89     | -            | 20.76     | -         | 28.75     | -     |   |   |
| 3/4          | 0.7500         | 1         | 1/4         | ERX-41               | -         | 10.86     | 14.58     | -            | 18.55     | -            | 23.76     | -         | 32.69     | -     |   |   |
| 7/8          | 0.8750         | 1-1/8     | 1/4         | ERX-45               | -         | 23.30     | 27.40     | -            | 46.55     | -            | 65.75     | -         | 84.85     | -     |   |   |
| 1            | 1.0000         | 1-1/4     | 1/4         | ERX-47               | -         | 24.40     | 27.40     | -            | 53.95     | -            | 69.80     | -         | 90.35     | -     |   |   |

### ERHX Type H-13 Hardened-Through

MATERIAL: H-13 HOTWORK DIE STEEL  
 CORE: HARDENED THROUGHOUT TO 50-55 Rc  
 SURFACE: ION NITRIDED TO 65-74 Rc  
 HEADS ANNEALED FOR EASY MACHINING



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

| HOW TO ORDER |          |                |             |        |
|--------------|----------|----------------|-------------|--------|
| Specify:     | Quantity | Catalog Number | If Oversize | Length |
| Examples:    | 24       | ERHX-7-1/2     |             | L-6"   |
|              | 48       | ERHX--5-2      | +.005"      | L-10"  |

| P                |                  | S               | REGAL CAT. NO. | NET PRICE EACH (US\$) |               |             |               |             | Pkg. Qty. |
|------------------|------------------|-----------------|----------------|-----------------------|---------------|-------------|---------------|-------------|-----------|
|                  |                  |                 |                | L-6"                  | L-10"         |             | L-14"         |             |           |
| NOMINAL PIN DIA. | ACTUAL PIN DIA.  | SHOULDER LENGTH |                | STANDARD DIA.         | STANDARD DIA. | +.005" DIA. | STANDARD DIA. | +.005" DIA. |           |
| 1/32"            | .0308"<br>.0305" | 1/2"            | ERHX-2-1/2     | 7.35                  | -             | -           | -             | -           | 12        |
|                  |                  | 2"              | ERHX-2-2       | 7.25                  | -             | -           | -             | -           |           |
|                  |                  | 3"              | ERHX-2-3       | -                     | 9.15          | 8.59        | -             | -           |           |
|                  |                  | 4"              | ERHX-2-4       | -                     | 9.15          | 8.59        | -             | -           |           |
| 3/64"            | .0464"<br>.0461" | 1/2"            | ERHX-3-1/2     | 4.25                  | -             | -           | -             | -           |           |
|                  |                  | 2"              | ERHX-3-2       | 4.05                  | 4.65          | 5.40        | -             | -           |           |
|                  |                  | 3"              | ERHX-3-3       | -                     | 5.10          | 6.15        | -             | -           |           |
|                  |                  | 4"              | ERHX-3-4       | -                     | 5.70          | 6.15        | -             | -           |           |
| 1/16"            | .0620"<br>.0617" | 1/2"            | ERHX-5-1/2     | 3.95                  | 4.90          | 5.60        | -             | -           |           |
|                  |                  | 2"              | ERHX-5-2       | 3.85                  | 4.50          | 5.40        | 6.20          | 7.15        |           |
|                  |                  | 3"              | ERHX-5-3       | -                     | 4.75          | 5.85        | -             | -           |           |
|                  |                  | 4"              | ERHX-5-4       | -                     | 5.30          | 6.45        | -             | -           |           |
| 5/64"            | .0776"<br>.0773" | 1/2"            | ERHX-6-1/2     | 3.95                  | 4.90          | 5.70        | -             | -           |           |
|                  |                  | 2"              | ERHX-6-2       | 3.85                  | 4.50          | 5.10        | 6.20          | 7.15        |           |
|                  |                  | 3"              | ERHX-6-3       | -                     | 4.75          | 5.85        | -             | -           |           |
|                  |                  | 4"              | ERHX-6-4       | -                     | 5.30          | 6.45        | -             | -           |           |
| 3/32"            | .0933"<br>.0930" | 1/2"            | ERHX-7-1/2     | 3.60                  | 4.55          | 5.10        | -             | -           |           |
|                  |                  | 2"              | ERHX-7-2       | 3.40                  | 4.30          | 4.90        | 5.80          | 6.75        |           |
|                  |                  | 3"              | ERHX-7-3       | -                     | 4.30          | 5.35        | -             | -           |           |
|                  |                  | 4"              | ERHX-7-4       | -                     | 4.75          | 5.85        | -             | -           |           |
| 7/64"            | .1089"<br>.1086" | 1/2"            | ERHX-8-1/2     | 3.60                  | 4.55          | 5.10        | -             | -           |           |
|                  |                  | 2"              | ERHX-8-2       | 3.40                  | 4.05          | 4.60        | 5.80          | 6.75        |           |
|                  |                  | 3"              | ERHX-8-3       | -                     | 4.30          | 5.35        | -             | -           |           |
|                  |                  | 4"              | ERHX-8-4       | -                     | 4.75          | 5.85        | -             | -           |           |

### Regal Components, Inc.

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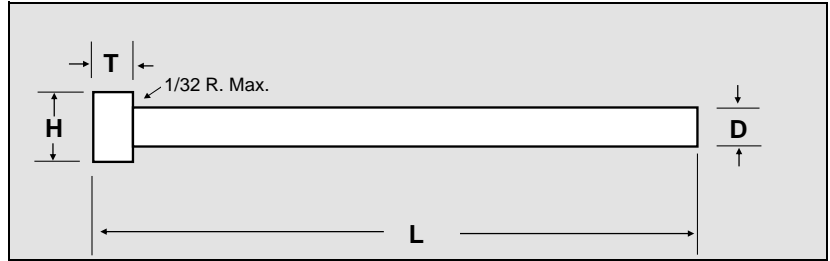
E-Mail: sales@regalcomps.com www.regalcomps.com

## ERHX Type H-13 Hardened-Through

MATERIAL: H-13 HOTWORK DIE STEEL  
CORE: HARDENED THROUGH TO 50-55 RC  
SURFACE: ION NITRIDED TO 65-74 RC  
HEADS ANNEALED FOR EASY MACHINING

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

| HOW TO ORDER: Specify |          |                 |        |
|-----------------------|----------|-----------------|--------|
| Quantity              | Cat. No. | (If .005" O.S.) | Length |
| 60                    | ERHX-25  | +.005"          | L-10"  |
| 12                    | ERHX-9   |                 | L-6"   |



| D            |                | H         | T           | REGAL CAT. NO. | NET PRICE EACH (US\$) |               |                       |               |                       | PKG. QTY. |
|--------------|----------------|-----------|-------------|----------------|-----------------------|---------------|-----------------------|---------------|-----------------------|-----------|
|              |                |           |             |                | L-6"                  |               | L-10"                 |               | L-14"                 |           |
| PIN DIA.     |                | HEAD DIA. | HEAD THICK. |                | STANDARD DIA.         | STANDARD DIA. | + .005" OVERSIZE DIA. | STANDARD DIA. | + .005" OVERSIZE DIA. |           |
| NOMINAL SIZE | DECIMAL EQUIV. |           |             |                |                       |               |                       |               |                       |           |
| 3/64         | 0.0469         | 1/4       | 1/8         | ERHX-3         | 4.30                  | -             | -                     | -             | -                     | 12        |
| 1/16         | 0.0625         |           |             | ERHX-5         | 4.05                  | 4.75          | 5.3                   | -             | -                     |           |
| 5/64         | 0.0781         |           |             | ERHX-6         | 4.05                  | 4.75          | 5.30                  | -             | -                     |           |
| 3/32         | 0.0938         |           |             | ERHX-7         | 3.65                  | 4.10          | 4.85                  | -             | -                     |           |
| 7/64         | 0.1094         |           |             | ERHX-8         | 3.65                  | 4.10          | 4.85                  | -             | -                     |           |
| 1/8          | 0.1250         |           |             | ERHX-9         | 1.95                  | 2.15          | 2.25                  | 2.5           | 2.8                   |           |
| 9/64         | 0.1406         |           |             | ERHX-10        | 2.15                  | 2.35          | 3.15                  | 3.05          | -                     |           |
| 5/32         | 0.1563         | 9/32      | 5/32        | ERHX-11        | 2.05                  | 2.30          | 2.40                  | 2.80          | 3.05                  |           |
| 11/64        | 0.1719         | 11/32     | 3/16        | ERHX-12        | 2.30                  | 2.50          | 3.35                  | 3.05          | -                     |           |
| 3/16         | 0.1875         | 3/8       | 3/16        | ERHX-13        | 2.10                  | 2.45          | 2.55                  | 3.10          | 3.30                  |           |
| 13/64        | 0.2031         | 3/8       | 3/16        | ERHX-14        | 2.55                  | 2.70          | -                     | 3.25          | -                     |           |
| 7/32         | 0.2188         | 13/32     | 3/16        | ERHX-15        | 2.30                  | 2.70          | 2.95                  | 3.35          | -                     |           |
| 15/64        | 0.2344         | 13/32     | 3/16        | ERHX-16        | 2.85                  | 3.00          | -                     | 3.70          | -                     |           |
| 1/4          | 0.2500         | 7/16      | 3/16        | ERHX-17        | 2.45                  | 3.00          | 3.10                  | 3.70          | 4.00                  |           |
| 17/64        | 0.2656         | 7/16      | 1/4         | ERHX-18        | 3.25                  | 3.35          | -                     | 4.05          | -                     |           |
| 9/32         | 0.2813         | 7/16      | 1/4         | ERHX-19        | 2.75                  | 3.45          | 3.55                  | 4.20          | -                     |           |
| 19/64        | 0.2969         | 1/2       | 1/4         | ERHX-20        | 3.65                  | 3.80          | -                     | 4.70          | -                     |           |
| 5/16         | 0.3125         | 1/2       | 1/4         | ERHX-21        | 3.05                  | 3.80          | 3.90                  | 4.75          | 5.25                  |           |
| 21/64        | 0.3281         | 9/16      | 1/4         | ERHX-22        | 4.00                  | 4.20          | -                     | 5.30          | -                     |           |
| 11/32        | 0.3438         | 9/16      | 1/4         | ERHX-23        | 3.40                  | 4.30          | 4.55                  | 5.50          | -                     |           |
| 23/64        | 0.3594         | 5/8       | 1/4         | ERHX-24        | 4.40                  | 4.75          | -                     | 5.95          | -                     |           |
| 3/8          | 0.3750         | 5/8       | 1/4         | ERHX-25        | 3.65                  | 4.85          | 5.05                  | 6.00          | 6.35                  |           |
| 25/64        | 0.3906         | 37/64     | 1/4         | ERHX-26        | 5.35                  | 5.90          | -                     | -             | -                     |           |
| 13/32        | 0.4063         | 11/16     | 1/4         | ERHX-27        | 4.00                  | 5.30          | 5.70                  | 6.90          | -                     |           |
| 27/64        | 0.4219         | 11/16     | 1/4         | ERHX-28        | 5.25                  | 6.75          | -                     | -             | -                     |           |
| 7/16         | 0.4375         | 11/16     | 1/4         | ERHX-29        | 4.35                  | 5.90          | 6.15                  | 7.60          | 8.40                  |           |
| 29/64        | 0.4531         | 45/64     | 1/4         | ERHX-30        | 5.70                  | 7.05          | -                     | -             | -                     |           |
| 15/32        | 0.4688         | 3/4       | 1/4         | ERHX-31        | 5.10                  | 6.45          | 6.85                  | 9.30          | -                     |           |
| 31/64        | 0.4844         | 3/4       | 1/4         | ERHX-32        | 6.20                  | 8.15          | -                     | -             | -                     |           |
| 1/2          | 0.5000         | 3/4       | 1/4         | ERHX-33        | 5.15                  | 6.95          | 10.20                 | 9.15          | 9.75                  |           |

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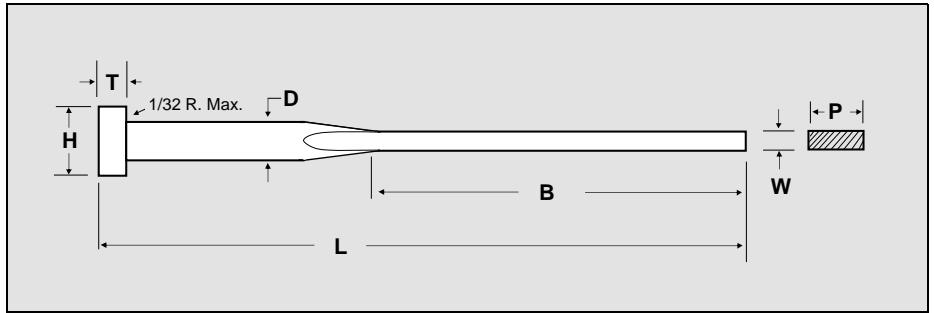
4733 122nd Ave. North, Clearwater, FL 33762 USA

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**EBE Type**

MATERIAL: H-13 HOTWORK DIE STEEL  
BLADE HARDNESS: 50-54 RC  
HEADS ANNEALED FOR EASY MACHINING



| HOW TO ORDER: Specify |               |        |
|-----------------------|---------------|--------|
| Quantity              | Cat. No.      | Length |
| 60                    | EBE11-324 - 6 |        |
| 12                    | EBE17-624 - 9 |        |

| REGAL CATALOG NO. | W                | P                | D              | B            | H              | T              | NET PRICE EACH (US\$)       |       |        |        |       |        |        |         |  |  |
|-------------------|------------------|------------------|----------------|--------------|----------------|----------------|-----------------------------|-------|--------|--------|-------|--------|--------|---------|--|--|
|                   |                  |                  |                |              |                |                | L - STANDARD OVERALL LENGTH |       |        |        |       |        |        |         |  |  |
|                   |                  |                  |                |              |                |                | +.12" - .00"                |       |        |        |       |        |        |         |  |  |
|                   |                  |                  |                |              |                |                | 5"                          | 6"    | 6-3/8" | 7-3/8" | 8"    | 8-3/8" | 9-3/8" | 10-3/8" |  |  |
|                   | +.0000" - .0003" | +.0000" - .0003" | +.000" - .001" | +.09" - .00" | +.000" - .010" | +.000" - .002" | - 5                         | - 6   | - 7    | - 8    | - 9   | - 10   |        |         |  |  |
|                   | BLADE THICK.     | BLADE WIDTH      | PIN DIA.       | BLADE LENGTH | HEAD DIA.      | HEAD THICK.    |                             |       |        |        |       |        |        |         |  |  |
| <b>EBE9-244</b>   | .024             | .100             | .125           | 4-3/8        | 1/4            | 1/8            | -                           | -     | 20.77  | -      | -     | -      | -      |         |  |  |
| <b>EBE9-323</b>   | .032             | .100             | .125           | 3            | 1/4            | 1/8            | 19.63                       | 20.01 | -      | -      | -     | -      | -      |         |  |  |
| <b>EBE9-324</b>   | .032             | .100             | .125           | 4-3/8        | 1/4            | 1/8            | -                           | -     | 20.77  | 20.77  | -     | -      | -      |         |  |  |
| <b>EBE9-463</b>   | .046             | .100             | .125           | 3            | 1/4            | 1/8            | 19.63                       | 20.01 | -      | -      | -     | -      | -      |         |  |  |
| <b>EBE9-464</b>   | .046             | .100             | .125           | 4-3/8        | 1/4            | 1/8            | -                           | -     | 20.77  | 20.77  | -     | -      | -      |         |  |  |
| <b>EBE11-244</b>  | .024             | .140             | .156           | 4-3/8        | 9/32           | 5/32           | -                           | -     | 20.77  | -      | -     | -      | -      |         |  |  |
| <b>EBE11-323</b>  | .032             | .140             | .156           | 3            | 9/32           | 5/32           | -                           | 20.01 | -      | -      | 20.85 | -      | -      |         |  |  |
| <b>EBE11-324</b>  | .032             | .140             | .156           | 4-3/8        | 9/32           | 5/32           | -                           | -     | 20.77  | 20.77  | -     | 21.62  | -      |         |  |  |
| <b>EBE11-463</b>  | .046             | .140             | .156           | 3            | 9/32           | 5/32           | -                           | 20.01 | -      | -      | 23.16 | -      | -      |         |  |  |
| <b>EBE11-464</b>  | .046             | .140             | .156           | 4-3/8        | 9/32           | 5/32           | -                           | -     | 20.77  | 20.77  | -     | 21.62  | -      |         |  |  |
| <b>EBE13-244</b>  | .024             | .172             | .187           | 4-3/8        | 3/8            | 3/16           | -                           | -     | 25.63  | -      | -     | -      | -      |         |  |  |
| <b>EBE13-323</b>  | .032             | .172             | .187           | 3            | 3/8            | 3/16           | -                           | 24.86 | -      | -      | 25.70 | -      | -      |         |  |  |
| <b>EBE13-324</b>  | .032             | .172             | .187           | 4-3/8        | 3/8            | 3/16           | -                           | -     | 25.63  | 25.63  | -     | 26.32  | -      |         |  |  |
| <b>EBE13-463</b>  | .046             | .172             | .187           | 3            | 3/8            | 3/16           | -                           | 24.86 | -      | -      | 25.70 | -      | -      |         |  |  |
| <b>EBE13-464</b>  | .046             | .172             | .187           | 4-3/8        | 3/8            | 3/16           | -                           | -     | 25.63  | 25.63  | -     | 26.32  | -      |         |  |  |
| <b>EBE13-623</b>  | .062             | .172             | .187           | 3            | 3/8            | 3/16           | -                           | 24.86 | -      | -      | 25.70 | -      | -      |         |  |  |
| <b>EBE13-624</b>  | .062             | .172             | .187           | 4-3/8        | 3/8            | 3/16           | -                           | -     | 25.63  | 25.63  | -     | 26.32  | -      |         |  |  |
| <b>EBE17-323</b>  | .032             | .234             | .250           | 3            | 7/16           | 3/16           | 25.40                       | 27.23 | -      | -      | 27.66 | -      | -      |         |  |  |
| <b>EBE17-324</b>  | .032             | .234             | .250           | 4-3/8        | 7/16           | 3/16           | -                           | -     | 28.00  | 28.00  | -     | 28.76  | 29.61  |         |  |  |
| <b>EBE17-463</b>  | .046             | .234             | .250           | 3            | 7/16           | 3/16           | 25.40                       | 27.23 | -      | -      | 27.66 | -      | -      |         |  |  |
| <b>EBE17-464</b>  | .046             | .234             | .250           | 4-3/8        | 7/16           | 3/16           | -                           | -     | 28.00  | 28.00  | -     | 36.41  | 29.61  |         |  |  |
| <b>EBE17-623</b>  | .062             | .234             | .250           | 3            | 7/16           | 3/16           | 25.40                       | 27.23 | -      | -      | 27.66 | -      | -      |         |  |  |
| <b>EBE17-624</b>  | .062             | .234             | .250           | 4-3/8        | 7/16           | 3/16           | -                           | -     | 28.00  | 28.00  | -     | 28.76  | 29.42  |         |  |  |
| <b>EBE21-324</b>  | .032             | .296             | .312           | 4-3/8        | 1/2            | 1/4            | -                           | -     | 32.02  | 33.58  | -     | 34.20  | 35.04  |         |  |  |
| <b>EBE21-464</b>  | .046             | .296             | .312           | 4-3/8        | 1/2            | 1/4            | -                           | -     | 31.18  | 32.74  | -     | 33.35  | 34.20  |         |  |  |
| <b>EBE21-624</b>  | .062             | .296             | .312           | 4-3/8        | 1/2            | 1/4            | -                           | -     | 30.34  | 31.90  | -     | 33.09  | 33.93  |         |  |  |
| <b>EBE21-784</b>  | .078             | .296             | .312           | 4-3/8        | 1/2            | 1/4            | -                           | -     | 29.61  | 31.25  | -     | 32.63  | 33.74  |         |  |  |
| <b>EBE25-324</b>  | .032             | .359             | .375           | 4-3/8        | 5/8            | 1/4            | -                           | -     | 36.18  | 41.31  | -     | 37.94  | 38.40  |         |  |  |
| <b>EBE25-464</b>  | .046             | .359             | .375           | 4-3/8        | 5/8            | 1/4            | -                           | -     | 35.54  | 36.53  | -     | 37.10  | 37.49  |         |  |  |
| <b>EBE25-624</b>  | .062             | .359             | .375           | 4-3/8        | 5/8            | 1/4            | -                           | -     | 35.16  | 36.15  | -     | 36.87  | 37.03  |         |  |  |
| <b>EBE25-784</b>  | .078             | .359             | .375           | 4-3/8        | 5/8            | 1/4            | -                           | -     | 34.70  | 35.69  | -     | 36.23  | 36.69  |         |  |  |
| <b>EBE33-625</b>  | .062             | .484             | .500           | 5-3/8        | 3/4            | 1/4            | -                           | -     | -      | -      | -     | 53.78  | 54.62  |         |  |  |
| <b>EBE33-785</b>  | .078             | .484             | .500           | 5-3/8        | 3/4            | 1/4            | -                           | -     | -      | -      | -     | 53.78  | 54.62  |         |  |  |

**Regal Components, Inc.**

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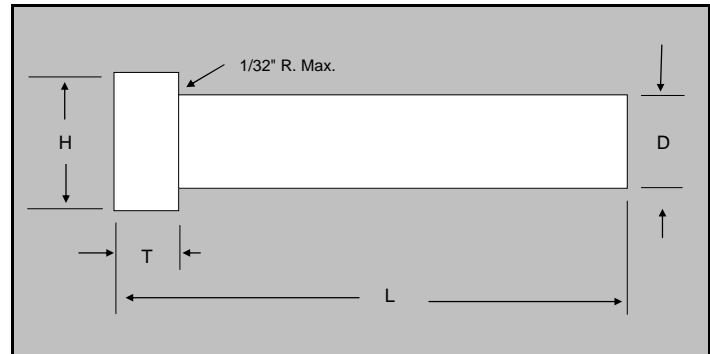
## STANDARD H-13 CORE PINS

**ERC Type** STANDARD HARDNESS 30-35 Rc

**ERCX Type** HIGH HARDNESS 50-55 Rc

30 STANDARD FRACTIONAL DIAMETERS

| HOW TO ORDER |      |             |          |
|--------------|------|-------------|----------|
| Specify:     | Qty. | Catalog No. | L-Length |
| Examples:    | 24   | ERC--19     | L-6"     |
|              | 12   | ERCX-17     | L-3"     |



| STANDARD HARDNESS<br>30-35 Rc |                       |       |       | D     | H     | T     | HIGH HARDNESS<br>50-55 Rc |              |              |                   | PKG.<br>QTY. |
|-------------------------------|-----------------------|-------|-------|-------|-------|-------|---------------------------|--------------|--------------|-------------------|--------------|
| REGAL CAT.<br>NO.             | NET PRICE EACH (US\$) |       |       |       |       |       | BODY<br>DIA.              | HEAD<br>DIA. | HEAD<br>DIA. | REGAL<br>CAT. NO. |              |
|                               | L-3"                  | L-6"  | L-10" | L-3"  | L-6"  | L-10" |                           |              |              |                   |              |
| ERC- 3                        | 4.90                  | 5.51  | -     | 3/64  | 1/4   | 1/8   | ERCX- 3                   | 5.10         | 5.76         | -                 | 12<br>PINS   |
| ERC- 5                        | 4.64                  | 5.15  | -     | 1/16  | 1/4   | 1/8   | ERCX- 5                   | 4.85         | 5.41         | -                 |              |
| ERC- 6                        | 4.23                  | 4.64  | -     | 5/64  | 1/4   | 1/8   | ERCX- 6                   | 4.44         | 4.90         | -                 |              |
| ERC- 7                        | 3.62                  | 3.72  | 4.34  | 3/32  | 1/4   | 1/8   | ERCX- 7                   | 3.83         | 3.98         | 4.69              |              |
| ERC- 8                        | 3.72                  | 3.88  | 4.59  | 7/64  | 1/4   | 1/8   | ERCX- 8                   | 3.93         | 4.08         | 4.90              |              |
| ERC- 9                        | 2.24                  | 2.30  | 3.06  | 1/8   | 1/4   | 1/8   | ERCX- 9                   | 2.40         | 2.50         | 3.21              |              |
| ERC- 10                       | 2.24                  | 2.35  | 3.06  | 9/64  | 1/4   | 1/8   | ERCX- 10                  | 2.40         | 2.60         | 3.21              |              |
| ERC- 11                       | 2.30                  | 2.40  | 3.11  | 5/32  | 9/32  | 5/32  | ERCX- 11                  | 2.50         | 2.60         | 3.21              |              |
| ERC- 12                       | 2.30                  | 2.40  | 3.21  | 11/64 | 11/32 | 3/16  | ERCX- 12                  | 2.55         | 2.65         | 3.42              |              |
| ERC- 13                       | 2.35                  | 2.45  | 3.26  | 3/16  | 3/8   | 3/16  | ERCX- 13                  | 2.55         | 2.70         | 3.42              |              |
| ERC- 14                       | 2.40                  | 2.50  | 3.32  | 13/64 | 3/8   | 3/16  | ERCX- 14                  | 2.60         | 2.75         | 3.57              |              |
| ERC- 15                       | 2.45                  | 2.60  | 3.42  | 7/32  | 13/32 | 3/16  | ERCX- 15                  | 2.65         | 2.81         | 3.57              |              |
| ERC- 16                       | 3.42                  | 3.98  | -     | 15/64 | 13/32 | 3/16  | ERCX- 16                  | 3.62         | 4.23         | -                 |              |
| ERC- 17                       | 2.65                  | 2.75  | 3.67  | 1/4   | 7/16  | 3/16  | ERCX- 17                  | 2.86         | 3.01         | 3.88              |              |
| ERC- 18                       | 3.67                  | 4.23  | -     | 17/64 | 7/16  | 1/4   | ERCX- 18                  | 3.93         | 4.54         | -                 |              |
| ERC- 19                       | 2.91                  | 3.01  | 4.03  | 9/32  | 7/16  | 1/4   | ERCX- 19                  | 3.16         | 3.32         | 4.34              |              |
| ERC- 20                       | 3.98                  | 4.54  | -     | 19/64 | 1/2   | 1/4   | ERCX- 20                  | 4.23         | 4.85         | -                 |              |
| ERC- 21                       | 3.21                  | 3.32  | 4.44  | 5/16  | 1/2   | 1/4   | ERCX- 21                  | 3.47         | 3.62         | 4.79              |              |
| ERC- 22                       | 4.23                  | 4.85  | -     | 21/64 | 9/16  | 1/4   | ERCX- 22                  | 4.54         | 5.20         | -                 |              |
| ERC- 23                       | 3.47                  | 3.62  | 4.79  | 11/32 | 9/16  | 1/4   | ERCX- 23                  | 3.77         | 3.98         | 5.30              |              |
| ERC- 24                       | 4.64                  | 5.25  | -     | 23/64 | 5/8   | 1/4   | ERCX- 24                  | 4.90         | 5.61         | -                 |              |
| ERC- 25                       | 3.88                  | 4.03  | 5.30  | 3/8   | 5/8   | 1/4   | ERCX- 25                  | 4.13         | 4.39         | 5.81              |              |
| ERC- 27                       | 4.34                  | 4.54  | 5.76  | 13/32 | 11/16 | 1/4   | ERCX- 27                  | 4.64         | 4.95         | 6.32              |              |
| ERC- 29                       | 4.69                  | 4.85  | 6.32  | 7/16  | 11/16 | 1/4   | ERCX- 29                  | 5.00         | 5.20         | 6.94              |              |
| ERC- 31                       | 5.20                  | 5.41  | 6.89  | 15/32 | 3/4   | 1/4   | ERCX- 31                  | 5.56         | 5.97         | 7.60              |              |
| ERC- 33                       | 5.56                  | 5.76  | 7.40  | 1/2   | 3/4   | 1/4   | ERCX- 33                  | 5.87         | 6.27         | 8.21              |              |
| ERC- 35                       | -                     | 6.89  | 9.18  | 9/16  | 13/16 | 1/4   | ERCX- 35                  | -            | 7.50         | 10.00             |              |
| ERC- 37                       | -                     | 8.21  | 10.76 | 5/8   | 7/8   | 1/4   | ERCX- 37                  | -            | 8.77         | 11.88             |              |
| ERC- 39                       | -                     | 13.26 | -     | 11/16 | 15/16 | 1/4   | ERCX- 39                  | -            | 14.18        | -                 |              |
| ERC- 41                       | -                     | 11.12 | 14.69 | 3/4   | 1     | 1/4   | ERCX- 41                  | -            | 12.09        | 16.32             |              |

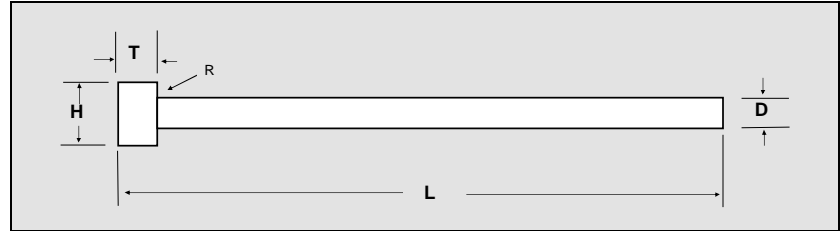
### Regal Components, Inc.

4733 122nd Ave. North, Clearwater, FL 33762 USA  
 Ph: 727-572-6208 Fax: 727-499-7109  
 E-Mail: sales@regalcomps.com www.regalcomps.com

### EME Type Nitrided *Metric*

MATERIAL: H-13 HOTWORK DIE STEEL (1.2344)  
 CORE: HARDENED THROUGH TO 41-45 RC  
 SURFACE: ION NITRIDED TO 65-74 RC

| TOLERANCES (METRIC ISO) |                      |        |
|-------------------------|----------------------|--------|
| 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 |



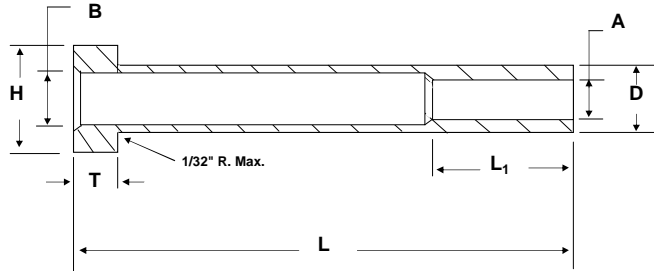
| H                    | T                    | L                    |
|----------------------|----------------------|----------------------|
| + 0.0 mm<br>- 0.2 mm | + 0.0 mm<br>- 0.5 mm | + 2.0 mm<br>- 0.0 mm |

| HOW TO ORDER: Specify |          |        |
|-----------------------|----------|--------|
| Quantity              | Cat. No. | Length |
| 60                    | EME-2.5  | L-160  |
| 12                    | EME-10.0 | L-250  |

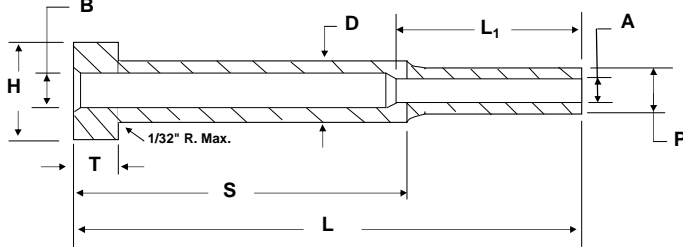
| D            |                 | H         | T           | REGAL CAT. NO. | NET PRICE EACH (US\$) |       |       |       |       | PKG. QTY. |
|--------------|-----------------|-----------|-------------|----------------|-----------------------|-------|-------|-------|-------|-----------|
| NOMINAL SIZE | INCH CONVERSION | HEAD DIA. | HEAD THICK. |                | L-160                 | L-250 | L-315 | L-400 | L-500 |           |
| 2.0          | 0.0787          | 4         | 2           | EME-2.0        | 3.32                  | 3.42  | -     | -     | -     | 12        |
| 2.5          | 0.0984          | 5         | 2           | EME-2.5        | 3.37                  | 3.67  | 4.28  | -     | -     |           |
| 3.0          | 0.1181          | 6         | 3           | EME-3.0        | 2.60                  | 3.83  | 4.08  | 4.56  | 6.00  |           |
| 3.5          | 0.1378          | 7         | 3           | EME-3.5        | 3.98                  | 4.69  | 5.66  | 5.19  | 6.30  |           |
| 4.0          | 0.1575          | 8         | 3           | EME-4.0        | 2.81                  | 4.18  | 4.49  | 5.30  | 6.50  |           |
| 4.5          | 0.1772          | 8         | 3           | EME-4.5        | 4.39                  | 5.51  | 6.27  | 6.27  | 7.40  |           |
| 5.0          | 0.1969          | 10        | 3           | EME-5.0        | 3.01                  | 3.88  | 4.95  | 6.14  | 7.40  |           |
| 5.5          | 0.2165          | 10        | 3           | EME-5.5        | 4.64                  | 5.87  | 6.73  | 6.42  | 7.70  |           |
| 6.0          | 0.2362          | 12        | 5           | EME-6.0        | 3.77                  | 5.41  | 6.27  | 7.88  | 8.99  |           |
| 6.5          | 0.2559          | 12        | 5           | EME-6.5        | 5.15                  | 7.19  | 8.31  | 8.85  | 11.69 |           |
| 7.0          | 0.2756          | 12        | 5           | EME-7.0        | 5.51                  | 7.85  | 8.98  | 8.85  | 11.69 |           |
| 8.0          | 0.3150          | 14        | 5           | EME-8.0        | 4.90                  | 7.19  | 8.52  | 10.61 | 11.86 |           |
| 9.0          | 0.3543          | 14        | 5           | EME-9.0        | 6.63                  | 10.10 | 11.63 | 11.16 | 15.28 |           |
| 10.0         | 0.3937          | 16        | 5           | EME-10.0       | 5.76                  | 8.67  | 10.15 | 12.50 | 15.28 |           |
| 11.0         | 0.4331          | 16        | 5           | EME-11.0       | 8.77                  | 13.46 | 15.91 | 15.40 | 22.16 |           |
| 12.0         | 0.4724          | 20        | 7           | EME-12.0       | 6.78                  | 9.79  | 13.46 | 14.41 | 20.68 |           |
| 12.5         | 0.4921          | 20        | 7           | EME-12.5       | 8.26                  | 11.73 | 15.35 | 15.40 | 22.16 |           |
| 14.0         | 0.5512          | 22        | 7           | EME-14.0       | 8.57                  | 12.65 | 18.45 | 26.68 | -     | 6         |
| 16.0         | 0.6299          | 22        | 7           | EME-16.0       | 9.59                  | 14.59 | 19.00 | 27.55 | -     |           |
| 18.0         | 0.7087          | 26        | 7           | EME-18.0       | -                     | 19.18 | 39.75 | 58.00 | -     |           |
| 20.0         | 0.7874          | 26        | 8           | EME-20.0       | -                     | 22.44 | 40.50 | 59.45 | -     | 4         |
| 25.0         | 0.9843          | 32        | 10          | EME-25.0       | -                     | 39.22 | 56.75 | 83.52 | -     | 2         |

# Custom Sleeves & Water-Cooled Core Pins

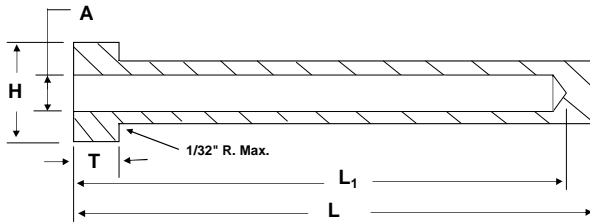
## Det. ESL-1 Straight Ejector Sleeve



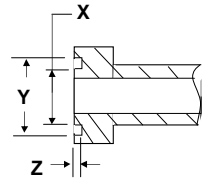
## Det. ESL-2 Stepped Ejector Sleeve



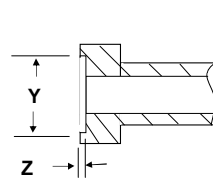
## Det. WCC Water-Cooled Core Pin



### Det. WCC-1



### Det. WCC-2



| Qty.                     | Detail | Material | Hardness | Dimensions     |  | Tolerances |   |
|--------------------------|--------|----------|----------|----------------|--|------------|---|
|                          |        |          |          |                |  |            |   |
|                          |        |          | Rc       | A              |  | +          | - |
| Modify Cat. No./Part No. |        |          |          | B              |  | +          | - |
| Manufacturer             |        |          |          | D              |  | +          | - |
| Notes & Comments         |        |          |          | H              |  | +          | - |
|                          |        |          |          | L              |  | +          | - |
|                          |        |          |          | L <sub>1</sub> |  | +          | - |
|                          |        |          |          | P              |  | +          | - |
|                          |        |          |          | R              |  | +          | - |
|                          |        |          |          | R <sub>1</sub> |  | +          | - |
|                          |        |          |          | S              |  | +          | - |
|                          |        |          |          | T              |  | +          | - |
|                          |        |          |          | X              |  | +          | - |
|                          |        |          |          | Y              |  | +          | - |
| Z                        |        | +        | -        |                |  |            |   |

|   |         |                                    |  |         |  |
|---|---------|------------------------------------|--|---------|--|
| Contact Name:                                       |         | Company Name:                      |  | Address |  |
| Phone No.   | Fax No. | E-Mail Address:                    |  | Date:   |  |
| Ref. R. F. Q No. <input type="checkbox"/> P. O. No. |         | Special Instructions/Requirements: |  |         |  |

Fax to: 727-499-7109

OR

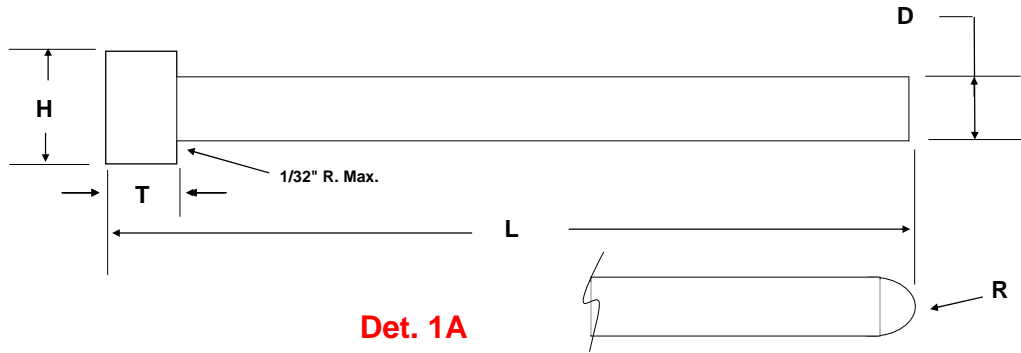
E-Mail to sales@regalcomps.com



4733 122nd Ave. N., Clearwater, FL 33762  
 Ph: 727-299-0800 Fax: 727-499-7109 E-Mail: sales@regalcomps.com www.regalcomps.com

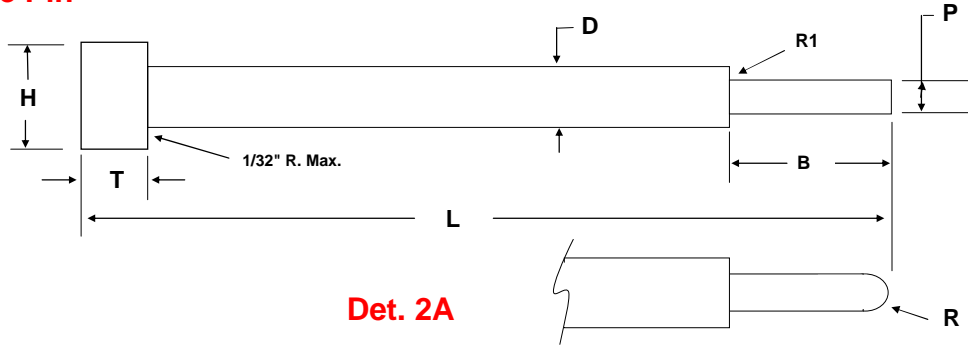
# Custom Pins & Blades

## Det. 1 Straight Pin



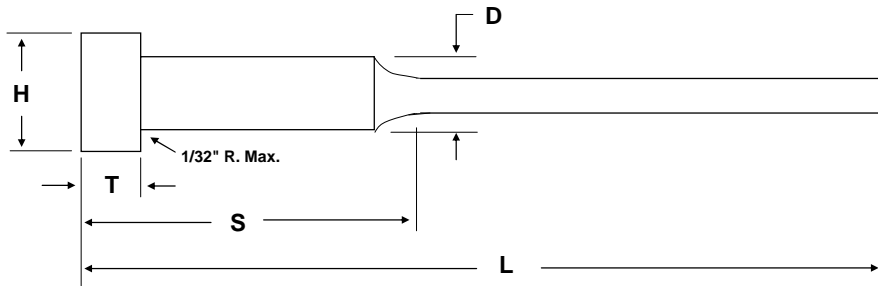
Det. 1A

## Det. 2 Stepped Core Pin

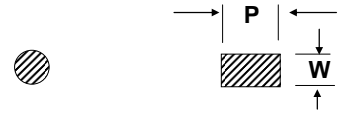


Det. 2A

## Det. 3 Stepped Ejector Pin



## Det. 3A Ejector Blade



| Qty.  | Detail | Dimensions                         |  | Tolerances      |   |
|---|--------|------------------------------------|--|-----------------|---|
|   |        | D                                  |  |                 |   |
|   |        | H                                  |  | +               | - |
|   |        | T                                  |  | +               | - |
|   |        | L                                  |  | +               | - |
|   |        | S                                  |  | +               | - |
|   |        | P                                  |  | +               | - |
|   |        | W                                  |  | +               | - |
|   |        | R                                  |  | +               | - |
|   |        | R1                                 |  | +               | - |
|   |        | B                                  |  | +               | - |
| Modify Cat. No./Part No.                            |        | Mfr.                               |  |                 |   |
| Notes & Comments                                    |        |                                    |  |                 |   |
| Contact Name:                                       |        | Company Name:                      |  | Address         |   |
| Phone No.   |        | Fax No.                            |  | E-Mail Address: |   |
| Date:   |        |                                    |  |                 |   |
| Ref. R. F. Q No. <input type="checkbox"/> P. O. No. |        | Special Instructions/Requirements: |  |                 |   |

Fax to: 727-499-7109

OR

E-Mail to sales@regalcomps.com

# Other Regal Catalogs



# Specials

*Custom Core Pins, Ejectors, Sleeves, Blades, and Punches for Molds and Dies can be made from various grades of tool steels, including particle steels, stainless, and copper alloys. Tolerances can be held to .000050" and surface finishes to 2 RMS.*



**Regal**  
Components

*an Ezell Specialty Products company*

**Higher Standards for Molds and Dies**

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