

Стопорные кольца HOOPSTER

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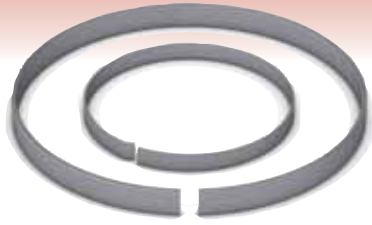
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HH/HHU Series

Hoopster® Rings

Internal Hoopster Retaining Rings are difficult to remove from the groove without a removal provision.
We offer either a bent end for removal or no removal provision as shown to the left.

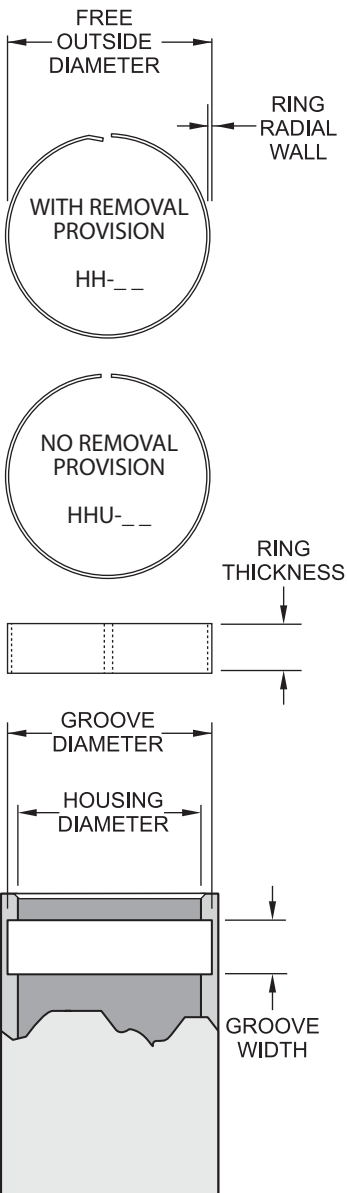


Stock Items available in carbon steel and 302 stainless steel.

| Smalley Part Number ^{1,2,4} | Housing Diameter | Ring | | | Groove | | Groove Yield (lb) ³ |
|--------------------------------------|------------------|------------------|-------------|-----------|----------|-------|--------------------------------|
| | | Outside Diameter | Radial Wall | Thickness | Diameter | Width | |
| HH-37 | .375 | .400 | .017 | .045 | .392 | .050 | 225 |
| HH-43 | .437 | .463 | .017 | .045 | .454 | .050 | 263 |
| HH-46 | .469 | .495 | .017 | .045 | .486 | .050 | 282 |
| HH-50 | .500 | .531 | .021 | .065 | .521 | .070 | 371 |
| HH-53 | .531 | .563 | .021 | .065 | .552 | .070 | 394 |
| HH-56 | .562 | .594 | .021 | .065 | .583 | .070 | 417 |
| HH-59 | .594 | .627 | .021 | .065 | .615 | .070 | 441 |
| HH-62 | .625 | .659 | .021 | .065 | .646 | .070 | 464 |
| HH-65 | .656 | .690 | .021 | .065 | .677 | .070 | 487 |
| HH-68 | .688 | .723 | .021 | .065 | .709 | .070 | 511 |
| HH-71 | .718 | .756 | .024 | .088 | .742 | .093 | 609 |
| HH-75 | .750 | .789 | .024 | .088 | .774 | .093 | 636 |
| HH-78 | .781 | .821 | .024 | .088 | .805 | .093 | 662 |
| HH-81 | .812 | .852 | .024 | .088 | .836 | .093 | 689 |
| HH-84 | .843 | .884 | .024 | .088 | .867 | .093 | 715 |
| HH-87 | .875 | .917 | .024 | .088 | .899 | .093 | 742 |
| HH-90 | .906 | .948 | .024 | .088 | .930 | .093 | 768 |
| HH-93 | .938 | .981 | .024 | .088 | .962 | .093 | 796 |
| HH-96 | .968 | 1.011 | .024 | .088 | .992 | .093 | 821 |
| HH-100 | 1.000 | 1.044 | .024 | .088 | 1.024 | .093 | 848 |
| HH-103 | 1.031 | 1.082 | .030 | .118 | 1.061 | .123 | 1,093 |
| HH-106 | 1.062 | 1.113 | .030 | .118 | 1.092 | .123 | 1,126 |
| HH-109 | 1.093 | 1.145 | .030 | .118 | 1.123 | .123 | 1,159 |
| HH-112 | 1.125 | 1.178 | .030 | .118 | 1.155 | .123 | 1,193 |
| HH-115 | 1.156 | 1.209 | .030 | .118 | 1.186 | .123 | 1,226 |
| HH-118 | 1.188 | 1.242 | .030 | .118 | 1.218 | .123 | 1,260 |
| HH-121 | 1.218 | 1.272 | .030 | .118 | 1.248 | .123 | 1,291 |
| HH-125 | 1.250 | 1.305 | .030 | .118 | 1.280 | .123 | 1,325 |
| HH-128 | 1.281 | 1.337 | .030 | .118 | 1.311 | .123 | 1,358 |
| HH-131 | 1.312 | 1.372 | .034 | .150 | 1.346 | .155 | 1,577 |
| HH-134 | 1.343 | 1.404 | .034 | .150 | 1.377 | .155 | 1,614 |
| HH-137 | 1.375 | 1.437 | .034 | .150 | 1.409 | .155 | 1,652 |
| HH-140 | 1.406 | 1.468 | .034 | .150 | 1.440 | .155 | 1,690 |
| HH-143 | 1.437 | 1.500 | .034 | .150 | 1.471 | .155 | 1,727 |
| HH-146 | 1.468 | 1.531 | .034 | .150 | 1.502 | .155 | 1,765 |
| HH-150 | 1.500 | 1.564 | .034 | .150 | 1.534 | .155 | 1,802 |
| HH-156 | 1.562 | 1.627 | .034 | .150 | 1.596 | .155 | 1,877 |
| HH-162 | 1.625 | 1.692 | .034 | .150 | 1.659 | .155 | 1,953 |
| HH-168 | 1.688 | 1.755 | .034 | .150 | 1.721 | .155 | 2,028 |
| HH-175 | 1.750 | 1.823 | .038 | .187 | 1.788 | .193 | 2,350 |
| HH-181 | 1.812 | 1.887 | .038 | .187 | 1.851 | .193 | 2,434 |
| HH-187 | 1.875 | 1.951 | .038 | .187 | 1.913 | .193 | 2,518 |
| HH-193 | 1.938 | 2.015 | .038 | .187 | 1.976 | .193 | 2,603 |
| HH-200 | 2.000 | 2.078 | .038 | .187 | 2.038 | .193 | 2,686 |
| HH-206 | 2.062 | 2.141 | .038 | .187 | 2.100 | .193 | 2,769 |
| HH-212 | 2.125 | 2.206 | .038 | .187 | 2.163 | .193 | 2,854 |
| HH-218 | 2.188 | 2.270 | .038 | .187 | 2.226 | .193 | 2,939 |
| HH-225 | 2.250 | 2.333 | .038 | .187 | 2.288 | .193 | 3,022 |
| HH-231 | 2.312 | 2.396 | .038 | .187 | 2.350 | .193 | 3,105 |
| HH-237 | 2.375 | 2.461 | .038 | .187 | 2.413 | .193 | 3,190 |
| HH-243 | 2.437 | 2.531 | .045 | .225 | 2.482 | .232 | 3,876 |
| HH-250 | 2.500 | 2.595 | .045 | .225 | 2.545 | .232 | 3,976 |
| HH-256 | 2.562 | 2.658 | .045 | .225 | 2.607 | .232 | 4,075 |
| HH-262 | 2.625 | 2.723 | .045 | .225 | 2.670 | .232 | 4,175 |
| HH-268 | 2.688 | 2.787 | .045 | .225 | 2.733 | .232 | 4,275 |
| HH-275 | 2.750 | 2.850 | .045 | .225 | 2.795 | .232 | 4,374 |
| HH-281 | 2.812 | 2.914 | .045 | .225 | 2.858 | .232 | 4,472 |
| HH-287 | 2.875 | 2.978 | .045 | .225 | 2.920 | .232 | 4,572 |
| HH-293 | 2.938 | 3.041 | .045 | .225 | 2.982 | .232 | 4,673 |
| HH-300 | 3.000 | 3.105 | .045 | .225 | 3.045 | .232 | 4,771 |

Product Dimensions

All dimensions in inches unless otherwise specified.



¹ Use "HH" prefix for removal provision end. Use "HHU" prefix for no removal provision.

² Add suffix "-S02" for 302 stainless steel.

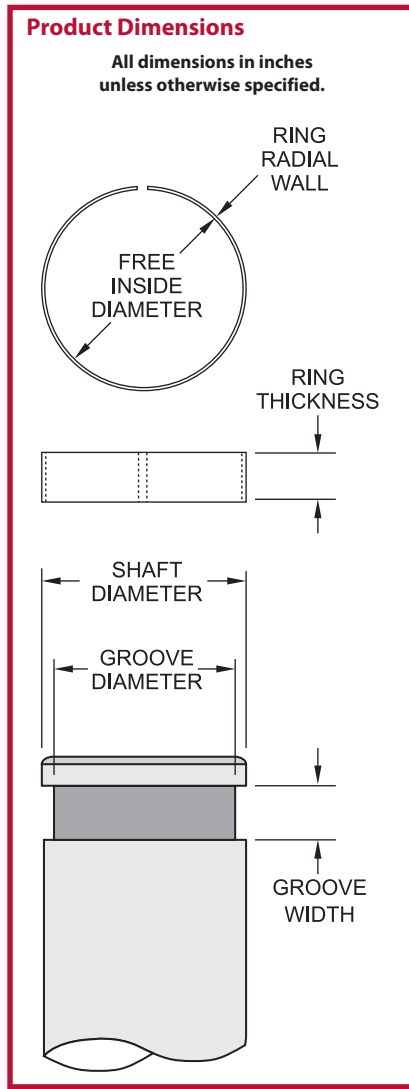
³ Based on a groove material yield strength of 45,000 psi and a safety factor of 2.

⁴ See pages 126-127 for How to Order.



Stock Items available in carbon steel and 302 stainless steel.

| Smalley Part Number ^{1,3} | Shaft Diameter | Ring | | | Groove | | Groove Yield (lb) ² |
|------------------------------------|----------------|-----------------|-------------|-----------|----------|-------|--------------------------------|
| | | Inside Diameter | Radial Wall | Thickness | Diameter | Width | |
| HS-37 | .375 | .351 | .017 | .045 | .358 | .050 | 225 |
| HS-43 | .437 | .411 | .017 | .045 | .420 | .050 | 263 |
| HS-46 | .469 | .443 | .017 | .045 | .452 | .050 | 282 |
| HS-50 | .500 | .469 | .021 | .065 | .479 | .070 | 371 |
| HS-53 | .531 | .499 | .021 | .065 | .510 | .070 | 394 |
| HS-56 | .562 | .530 | .021 | .065 | .541 | .070 | 417 |
| HS-59 | .594 | .561 | .021 | .065 | .573 | .070 | 441 |
| HS-62 | .625 | .592 | .021 | .065 | .604 | .070 | 464 |
| HS-65 | .656 | .622 | .021 | .065 | .635 | .070 | 487 |
| HS-68 | .688 | .653 | .021 | .065 | .667 | .070 | 511 |
| HS-71 | .718 | .680 | .024 | .088 | .694 | .093 | 609 |
| HS-75 | .750 | .711 | .024 | .088 | .726 | .093 | 636 |
| HS-78 | .781 | .741 | .024 | .088 | .757 | .093 | 662 |
| HS-81 | .812 | .772 | .024 | .088 | .788 | .093 | 689 |
| HS-84 | .843 | .802 | .024 | .088 | .819 | .093 | 715 |
| HS-87 | .875 | .834 | .024 | .088 | .851 | .093 | 742 |
| HS-90 | .906 | .864 | .024 | .088 | .882 | .093 | 768 |
| HS-93 | .938 | .895 | .024 | .088 | .914 | .093 | 796 |
| HS-96 | .968 | .925 | .024 | .088 | .944 | .093 | 821 |
| HS-100 | 1.000 | .956 | .024 | .088 | .976 | .093 | 848 |
| HS-103 | 1.031 | .980 | .030 | .118 | 1.001 | .123 | 1,093 |
| HS-106 | 1.062 | 1.011 | .030 | .118 | 1.032 | .123 | 1,126 |
| HS-109 | 1.093 | 1.041 | .030 | .118 | 1.063 | .123 | 1,159 |
| HS-112 | 1.125 | 1.073 | .030 | .118 | 1.095 | .123 | 1,193 |
| HS-115 | 1.156 | 1.103 | .030 | .118 | 1.126 | .123 | 1,226 |
| HS-118 | 1.188 | 1.134 | .030 | .118 | 1.158 | .123 | 1,260 |
| HS-121 | 1.218 | 1.164 | .030 | .118 | 1.188 | .123 | 1,291 |
| HS-125 | 1.250 | 1.195 | .030 | .118 | 1.220 | .123 | 1,325 |
| HS-128 | 1.281 | 1.225 | .030 | .118 | 1.251 | .123 | 1,358 |
| HS-131 | 1.312 | 1.252 | .034 | .150 | 1.278 | .155 | 1,577 |
| HS-134 | 1.343 | 1.282 | .034 | .150 | 1.309 | .155 | 1,614 |
| HS-137 | 1.375 | 1.314 | .034 | .150 | 1.341 | .155 | 1,652 |
| HS-140 | 1.406 | 1.344 | .034 | .150 | 1.372 | .155 | 1,690 |
| HS-143 | 1.437 | 1.374 | .034 | .150 | 1.403 | .155 | 1,727 |
| HS-146 | 1.468 | 1.405 | .034 | .150 | 1.434 | .155 | 1,765 |
| HS-150 | 1.500 | 1.436 | .034 | .150 | 1.466 | .155 | 1,802 |
| HS-156 | 1.562 | 1.497 | .034 | .150 | 1.528 | .155 | 1,877 |
| HS-162 | 1.625 | 1.559 | .034 | .150 | 1.591 | .155 | 1,953 |
| HS-168 | 1.688 | 1.619 | .034 | .150 | 1.653 | .155 | 2,028 |
| HS-175 | 1.750 | 1.677 | .038 | .187 | 1.712 | .193 | 2,350 |
| HS-181 | 1.812 | 1.739 | .038 | .187 | 1.775 | .193 | 2,434 |
| HS-187 | 1.875 | 1.800 | .038 | .187 | 1.837 | .193 | 2,518 |
| HS-193 | 1.938 | 1.861 | .038 | .187 | 1.900 | .193 | 2,603 |
| HS-200 | 2.000 | 1.922 | .038 | .187 | 1.962 | .193 | 2,686 |
| HS-206 | 2.062 | 1.983 | .038 | .187 | 2.024 | .193 | 2,769 |
| HS-212 | 2.125 | 2.045 | .038 | .187 | 2.087 | .193 | 2,854 |
| HS-218 | 2.188 | 2.106 | .038 | .187 | 2.150 | .193 | 2,939 |
| HS-225 | 2.250 | 2.167 | .038 | .187 | 2.212 | .193 | 3,022 |
| HS-231 | 2.312 | 2.228 | .038 | .187 | 2.274 | .193 | 3,105 |
| HS-237 | 2.375 | 2.290 | .038 | .187 | 2.337 | .193 | 3,190 |
| HS-243 | 2.437 | 2.343 | .045 | .225 | 2.392 | .232 | 3,876 |
| HS-250 | 2.500 | 2.405 | .045 | .225 | 2.455 | .232 | 3,976 |
| HS-256 | 2.562 | 2.466 | .045 | .225 | 2.517 | .232 | 4,075 |
| HS-262 | 2.625 | 2.528 | .045 | .225 | 2.580 | .232 | 4,175 |
| HS-268 | 2.688 | 2.589 | .045 | .225 | 2.643 | .232 | 4,275 |
| HS-275 | 2.750 | 2.650 | .045 | .225 | 2.705 | .232 | 4,374 |
| HS-281 | 2.812 | 2.712 | .045 | .225 | 2.768 | .232 | 4,472 |
| HS-287 | 2.875 | 2.773 | .045 | .225 | 2.830 | .232 | 4,572 |
| HS-293 | 2.938 | 2.833 | .045 | .225 | 2.892 | .232 | 4,673 |
| HS-300 | 3.000 | 2.895 | .045 | .225 | 2.955 | .232 | 4,771 |



¹ Add suffix "-S02" for 302 stainless steel.

² Based on a groove material yield strength of 45,000 psi and a safety factor of 2.

³ See pages 126-127 for How to Order.

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