

**NEW SIZES JUST ADDED**  
**SMALLEY NOW STOCKS DOWN TO 1/4"**



**LIGHT DUTY SERIES**

|          | PART NUMBER (1) | APPLICATION DIAMETER |         | RING (in) |               |           | GROOVE (in) |       |       | THRUST CAPACITY (LBS) |                  | PART WEIGHT (LBS) PER 1000 |     |
|----------|-----------------|----------------------|---------|-----------|---------------|-----------|-------------|-------|-------|-----------------------|------------------|----------------------------|-----|
|          |                 | INCHES               | MM      | DIAMETER  | RADIAL WALL   | THICKNESS | DIAMETER    | WIDTH | DEPTH | RING SHEAR (2)        | GROOVE YIELD (3) |                            |     |
| INTERNAL | HOUSING         |                      | OUTSIDE |           |               |           |             |       |       |                       |                  |                            |     |
|          | VH-25*          | .250                 | 6.4     | .264      | + .010/- .000 | .020      | .012        | .262  | .015  | .006                  | 481              | 106                        | .05 |
|          | VH-31*          | .312                 | 7.9     | .329      | + .010/- .000 | .025      | .015        | .326  | .018  | .007                  | 750              | 154                        | .10 |
|          | VH-37*          | .375                 | 9.5     | .398      | + .012/- .000 | .030      | .015        | .395  | .018  | .010                  | 901              | 265                        | .15 |
|          | VH-43           | .437                 | 11.1    | .466      | + .012/- .000 | .030      | .015        | .463  | .018  | .013                  | 1,050            | 402                        | .17 |
| EXTERNAL | SHAFT           |                      | INSIDE  |           |               |           |             |       |       |                       |                  |                            |     |
|          | VS-25*          | .250                 | 6.4     | .236      | + .000/- .010 | .020      | .012        | .238  | .015  | .006                  | 481              | 106                        | .05 |
|          | VS-31*          | .312                 | 7.9     | .294      | + .000/- .010 | .025      | .015        | .297  | .018  | .008                  | 750              | 165                        | .10 |
|          | VS-37*          | .375                 | 9.5     | .348      | + .000/- .012 | .025      | .015        | .351  | .018  | .012                  | 901              | 318                        | .12 |
|          | VS-43           | .437                 | 11.1    | .410      | + .000/- .012 | .035      | .015        | .413  | .018  | .012                  | 1,050            | 371                        | .20 |

- (1) ADD SUFFIX -S02 FOR 302 STAINLESS STEEL  
 -S16 FOR 316 STAINLESS STEEL
- (2) BASED ON A SAFETY FACTOR OF 3
- (3) BASED ON A GROOVE MATERIAL YIELD STRENGTH OF 45,000 PSI AND A SAFETY FACTOR OF 2
- \* NO REMOVAL NOTCH

**INTERCHANGE WITH STANDARD SNAP RING GROOVES**



**HEAVY DUTY SERIES**

|          | PART NUMBER (1) | APPLICATION DIAMETER |         | RING (in) |               |           | GROOVE (in) |       |       | THRUST CAPACITY (LBS) |                  | PART WEIGHT (LBS) PER 1000 |     |
|----------|-----------------|----------------------|---------|-----------|---------------|-----------|-------------|-------|-------|-----------------------|------------------|----------------------------|-----|
|          |                 | INCHES               | MM      | DIAMETER  | RADIAL WALL   | THICKNESS | DIAMETER    | WIDTH | DEPTH | RING SHEAR (2)        | GROOVE YIELD (3) |                            |     |
| INTERNAL | HOUSING         |                      | OUTSIDE |           |               |           |             |       |       |                       |                  |                            |     |
|          | WHM-25*         | .250                 | 6.4     | .270      | + .010/- .000 | .020      | .015        | .268  | .020  | .009                  | 561              | 159                        | .06 |
|          | WHM-31*         | .312                 | 7.9     | .333      | + .010/- .000 | .025      | .015        | .330  | .020  | .009                  | 700              | 198                        | .10 |
|          | WHM-37*         | .375                 | 9.5     | .400      | + .012/- .000 | .030      | .025        | .397  | .029  | .011                  | 1,442            | 292                        | .24 |
|          | WHM-43          | .437                 | 11.1    | .464      | + .012/- .000 | .035      | .025        | .461  | .029  | .012                  | 1,680            | 371                        | .32 |
| EXTERNAL | SHAFT           |                      | INSIDE  |           |               |           |             |       |       |                       |                  |                            |     |
|          | WSM-25*         | .250                 | 6.4     | .228      | + .000/- .010 | .020      | .025        | .230  | .029  | .010                  | 961              | 177                        | .10 |
|          | WSM-31*         | .312                 | 7.9     | .287      | + .000/- .010 | .025      | .025        | .290  | .029  | .011                  | 1,200            | 243                        | .16 |
|          | WSM-37*         | .375                 | 9.5     | .349      | + .000/- .012 | .030      | .025        | .352  | .029  | .012                  | 1,442            | 305                        | .24 |
|          | WSM-43          | .437                 | 11.1    | .409      | + .000/- .012 | .035      | .025        | .412  | .029  | .013                  | 1,680            | 386                        | .32 |

- (1) ADD SUFFIX -S02 FOR 302 STAINLESS STEEL  
 -S16 FOR 316 STAINLESS STEEL
- (2) BASED ON A SAFETY FACTOR OF 3
- (3) BASED ON A GROOVE MATERIAL YIELD STRENGTH OF 45,000 PSI AND A SAFETY FACTOR OF 2
- \* NO REMOVAL NOTCH