



SINGLE WAVE FLAT RIM WASHERS

| Hole Size | Inside Diameter | | Outside Diameter | | Free Height | | Thickness | *Maximum Load at Yield Pt. (lb) | *Maximum Deflection at Yield Pt. (in.) | WCL Product Number |
|-----------|-----------------|------|------------------|-------|-------------|------|-----------|---------------------------------|--|--------------------|
| | Min. | Max. | Min. | Max. | Min. | Max. | | | | |
| 0 | .065 | .070 | .185 | .189 | .020 | .030 | .010 | | | W-0065-0185-010 |
| 0 | .066 | .072 | .305 | .317 | .050 | .060 | .012 | | | W-0066-0305-012 |
| 1 | .075 | .081 | .292 | .302 | .040 | .070 | .006 | | | W-0075-0292-006 |
| 2 | .089 | .099 | .276 | .286 | .040 | .050 | .008 | | | W-0089-0276-008 |
| 2 | .092 | .096 | .305 | .317 | .040 | .050 | .008 | | | W-0092-0305-008 |
| 2 | .096 | .101 | .185 | .189 | .020 | .030 | .010 | | | W-0096-0185-010 |
| 3 | .100 | .105 | .235 | .245 | .015 | .035 | .008 | | | W-0100-0235-008 |
| 4 | .115 | .118 | .235 | .245 | .015 | .035 | .008 | | | W-0115-0235-008 |
| 5 | .127 | .130 | .297 | .307 | .052 | .072 | .006 | | | W-0127-0297-006 |
| 5 | .131 | .135 | .295 | .305 | .040 | .070 | .008 | | | W-0131-0295-008 |
| 5 | .131 | .135 | .295 | .305 | .040 | .070 | .010 | | | W-0131-0295-010 |
| 5 | .131 | .135 | .295 | .305 | .050 | .080 | .030 | | | W-0131-0295-030 |
| 6 | .138 | .142 | .297 | .307 | .052 | .072 | .004 | | | W-0138-0297-004 |
| 6 | .138 | .142 | .297 | .307 | .052 | .072 | .006 | | | W-0138-0297-006 |
| 8 | .160 | .170 | .290 | .300 | .045 | .065 | .005 | 24.1 | 0.018 | W-0160-0290-005 |
| 1/4 | .255 | .265 | .460 | .476 | .090 | .110 | .025 | | | W-0255-0460-025 |
| 1/4 | .255 | .260 | .678 | .698 | .125 | .155 | .025 | 23.4 | 0.013 | W-0255-0678-025 |
| 1/4 | .256 | .260 | .428 | .448 | .045 | .065 | .005 | | | W-0256-0428-005 |
| 1/4 | .256 | .260 | .428 | .448 | .043 | .067 | .006 | | | W-0256-0428-006 |
| 1/4 | .256 | .260 | .428 | .448 | .049 | .069 | .010 | | | W-0256-0428-010 |
| 1/4 | .260 | .270 | .365 | .385 | .025 | .035 | .010 | | | W-0260-0365-010 |
| 1/4 | .261 | .271 | .720 | .73 | .055 | .070 | .028 | | | W-0261-0720-028 |
| 9/32 | .276 | .287 | .528 | .548 | .091 | .206 | .012 | | | W-0276-0528-012 |
| 5/16 | .320 | .332 | .585 | .595 | .065 | .085 | .006 | | | W-0320-0585-006 |
| 5/16 | .320 | .332 | .620 | .63 | .065 | .085 | .006 | | | W-0320-0620-006 |
| 5/16 | .323 | .333 | .480 | .49 | .065 | .080 | .016 | | | W-0323-0480-016 |
| 5/16 | .330 | .340 | .665 | .675 | .145 | .155 | .007 | | | W-0330-0665-007 |
| 5/16 | .330 | .340 | .665 | .675 | .110 | .130 | .007 | | | W-0330-0665-007 |
| 3/8 | .375 | .385 | .465 | .475 | .035 | .045 | .015 | | | W-0375-0465-015 |
| 3/8 | .376 | .382 | .735 | .745 | .100 | .120 | .005 | | | W-0376-0735-005 |
| 3/8 | .380 | .400 | .985 | 1.01 | .230 | .260 | .012 | 1.6 | 0.095 | W-0380-0985-012 |
| 3/8 | .380 | .400 | .985 | 1.01 | .230 | .260 | .015 | | | W-0380-0985-015 |
| 3/8 | .384 | .398 | .558 | .568 | .061 | .075 | .010 | | | W-0384-0558-010 |
| 3/8 | .395 | .405 | .758 | .778 | .116 | .136 | .009 | | | W-0395-0758-009 |
| 7/16 | .455 | .462 | .585 | .595 | .070 | .090 | .008 | | | W-0455-0585-008 |
| 1/2 | .510 | .520 | .985 | 1.01 | .230 | .260 | .020 | | | W-0510-0985-.02 |
| 1/2 | .510 | .520 | .985 | 1.01 | .232 | .262 | .022 | | | W-0510-0985-022 |
| 9/16 | .560 | .580 | .771 | .791 | .061 | .081 | .006 | | | W-0560-0771-006 |
| 9/16 | .567 | .577 | .965 | .975 | .075 | .095 | .020 | | | W-0567-0965-020 |
| 5/8 | .625 | .635 | .965 | .975 | .075 | .095 | .020 | | | W-0625-0965-020 |
| 3/4 | .740 | .760 | .940 | .95 | .150 | .170 | .010 | | | W-0740-0940-010 |
| 1-1/8 | 1.125 | 1.13 | 1.406 | 1.411 | .131 | .151 | .008 | | | W-1125-1406-008 |

* These theoretical load values are presented only as a guide and may vary as much as 20% in specific applications.