

Aqualite® Polyolefin Wheels



Hamilton *Aqualite*® Wheels are of the genre loosely referred to in the industry as “polyolefin” or “polypropylene,” but unlike most competitive designs they have heavily-sectioned hubs and rims to withstand the rigors of industrial service. They are injection molded from blended polymers that provide an impact-resistant wheel (75 Durometer on Shore D) impervious to water, brine, gasoline and oil, and most common acids, chemicals and solvents. Tests show *Aqualite*® material to be longer wearing and more resistant to cracking or chipping than hard rubber, yet it is low cost, non-marking and non-staining.

Consequently these wheels are ideally suited for “clean rooms,” pharmaceutical houses, poultry processors, canneries, fisheries, meat packing plants, bakeries and laundries. They meet the U.S.F.D.A. food additives regulation for direct contact with food, and are cleanable with steam or detergents.

Aqualite® Wheels can be ordered with plain self-lubricating bores for maintenance-free operation in corrosive environments. The larger sizes also offer Delrin® or, for easier rolling, roller bearings. Roller bearing equipped wheels for 5" dia. and above are equipped with lube fittings. Flange type Delrin® bearings in 1½" face sizes extend actual hub length of wheel approximately ⅜"; light oiling of Delrin® or plain bores will aid rollability.

QUALITY FEATURES

Temperature range -20° to +140° F, intermittently to +220° F.

Industrial duty designs with smooth contours and no pockets to collect dirt.

Zero water absorption even if immersed.

OPTIONAL EXTRAS *(more help on page 12)*

- **Wheel Bearing Seals with Roller Bearings.**
- **High Heat Compound** for retorts, etc. available in certain sizes (natural color only).
- **Spanner Bushings** – including stainless steel.

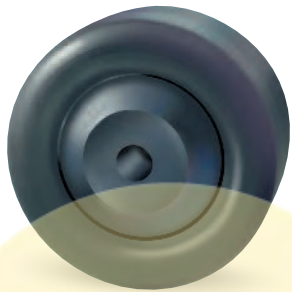
FEATURED WHEEL BEARINGS



Delrin® Bearings: chemical and corrosion resistant plastic-type bearing.



Straight Roller Bearings: traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.



White is the standard color on all sizes above 4" x 1⅜", while the smaller sizes are stocked in black.



★ = same day/next day PRONTO® shipment.

A Series Selection Table

| Dia. | Face | Hub Length | Cap. Lbs. | Plain Bore | | Delrin Bearings | | Roller Bearings | | Wt. Lbs. |
|------|------|------------|-----------|--------------------|------------|--------------------|--------------|--------------------|---------------|----------|
| | | | | Hamilton Model No. | Bore Sizes | Hamilton Model No. | Bearing Size | Hamilton Model No. | Bearing Sizes | |
| 2½ | 1⅜ | 1½ | 200 | ★W-25-A- | ⅝-½ | X | X | X | X | ¼ |
| 3 | 1⅜ | 1½ | 230 | ★W-30-A-⅝ | ⅝ | X | X | X | X | ½ |
| 3½ | 1⅜ | 1½ | 260 | ★W-35-A-½ | ½ | X | X | X | X | ½ |
| | 1⅜ | 1½ | 300 | ★W-413-A-½ | ½ | X | X | X | X | ⅞ |
| 4 | 1½ | 1⅝ | 400 | ★W-415-A-⅝ | ⅝ | ★W-415-AZ-⅝ | ⅝ | ★W-415-AH- | ½-⅝-¾ | ¾ |
| | 2 | 2⅝ | 550 | ★W-420-A-¾ | ¾ | ★W-420-AZ-¾ | ¾ | ★W-420-AH- | ½-⅝-¾ | ¾ |
| 5 | 1⅜ | 1½ | 300 | ★W-513-A-½ | ½ | X | X | X | X | 1 |
| | 1½ | 1⅝ | 450 | ★W-515-A-⅝ | ⅝ | ★W-515-AZ-⅝ | ⅝ | ★W-515-AH- | ½-⅝-¾ | 1 |
| 6 | 2 | 2⅝ | 650 | ★W-520-A-¾ | ¾ | ★W-520-AZ-¾ | ¾ | ★W-520-AH- | ½-⅝-¾ | 1 |
| | 1½ | 1⅝ | 600 | ★W-615-A-⅝ | ⅝ | ★W-615-AZ-⅝ | ⅝ | ★W-615-AH- | ½-⅝-¾ | 1 |
| 8 | 2 | 2⅝ | 750 | ★W-620-A-¾ | ¾ | ★W-620-AZ-¾ | ¾ | ★W-620-AH- | ½-⅝-¾ | 1½ |
| | 2 | 2⅝ | 900 | ★W-820-A-¾ | ¾ | ★W-820-AZ-¾ | ¾ | ★W-820-AH- | ½-⅝-¾ | 2 |

Note: *Aqualite*® Wheels are not recommended for continuous service (as on toelines).

To order, add bore or bearing size to Hamilton number. Example: W-415-AZ-⅝.