

# How to Order

## 8.1 How to Order O-Rings and Other Parts

### 8.1.1 Parker Compound Numbering System

From time to time, you will see Parker compound numbers shown in a three digit format without a zero (0) preceding the numerical designation. For example, compound N0674-70 may be shown as N674-70. The three digit format was previously used, but Parker has updated to the four digit format to allow utilization of a computer format for listing new compounds beyond 999. There is no difference in compounds shown with or without the zero (0) preceding the older three digit compound designations.

The information in these tables may be used as a guide in selecting the most suitable Parker O-ring compound to seal any common fluid, and in specifying the necessary size number for the desired dimensions.

For further assistance, please feel free to call your Parker Seal Territory Sales Manager or Parker O-ring Distributor. You may also contact the Inside Sales Department at the Parker Seal O-ring Division, 2360 Palumbo Drive, P.O. Box 11751, Lexington, Kentucky 40512; telephone number (859) 269-2351.

Parker compound numbers, with one notable exceptions, indicate the base polymer by a prefix letter, and the type A durometer hardness by a two digit suffix number. The basic number is merely a sequential number and has no particular significance. In some instances, the prefix letter is followed by a secondary letter. This indicates a specialty property. See the following examples:

#### Example 1:

N0674-70 indicates a 70 durometer nitrile compound

durometer hardness

base polymer

#### Example 2:

NA151-70 indicates a 70 durometer nitrile compound

durometer hardness

special property description

Base Polymer

Prefix letters on compound designations used by Parker Seal, and the base polymers and specialty property description they indicate are identified in Table 8-1a and 8-1b.

Note that there is only one base polymer and one hardness associated with each basic number (i.e. there is not both N0674-70 and N0674-90).

#### Active Compound Designation Codes

Letter	Polymer
A	Polyacrylate, Ethylene Acrylic
B	Butyl
C	Neoprene
E	Ethylene, Propylene
L	Fluorosilicone
N	Nitrile, Hydrogenated, Carboxylated
P	Polyurethane
S	Silicone
V	Fluorocarbon, Perfluorinated elastomer, AFLAS

Table 8-1a: Compound Designation Codes

#### Specialty Property

Letter	Description
A	General purpose
B	Low compression set
E	Ethylene acrylate
F	Fuel resistant or fully fluorinated
G	Higher fluorine content
J	NSF / FDA / WRAS approvals
L	Internally lubed
M	Mil / AMS specifications
P	Low temperature flexible or tetrafluoroethylene - propylene
W	Non-black compound
X	Carboxylated

Table 8-1b: Compound Specialty Property