



**INDUSTRIAL  
RUBBER LTD.**



**2" to 8"**

## **CHALLENGER™ AR**

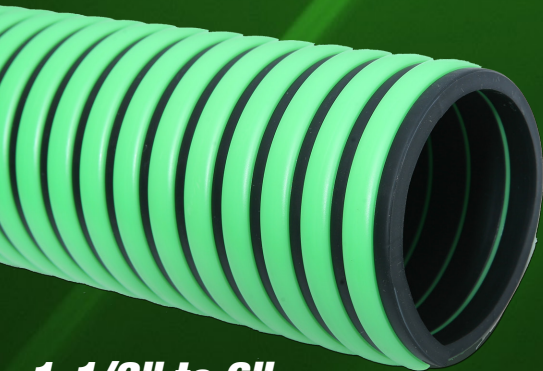
**HEAVY DUTY ABRASION RESISTANT  
SUCTION HOSE**



**2" to 12"**

## **CHALLENGER™ HP**

**REINFORCED SUCTION & DISCHARGE HOSE**



**1-1/2" to 6"**

## **CHALLENGER™ CES**

**WATER SUCTION & DISCHARGE HOSE**



**INDUSTRIAL  
RUBBER LTD.**

[irprubber.com](http://irprubber.com) | [sales@irprubber.com](mailto:sales@irprubber.com)

**MISSISSAUGA, ON**

TOLL FREE: 1-800-387-9537

**EDMONTON, AB**

TOLL FREE: 1-855-785-1227

**VANCOUVER, BC**

TOLL FREE: 1-877-527-1200



# CHALLENGER™ AR

## HEAVY DUTY ABRASION RESISTANT SUCTION HOSE



| Parts No. | I.D.<br>Inches | O.D.<br>Inches | Max W.P.<br>(PSI) | Bend Radius<br>(Inches) | Vacuum Rating<br>(68°F, Hg) | Approx. Wt.<br>Per. Ft. Lbs. |
|-----------|----------------|----------------|-------------------|-------------------------|-----------------------------|------------------------------|
| CAR-2     | 2              | 2.35           | 40                | 2.5                     | 29.8                        | 0.50                         |
| CAR-3     | 3              | 3.50           | 35                | 3.0                     | 29.8                        | 1.10                         |
| CAR-4     | 4              | 4.63           | 30                | 4.5                     | 29.8                        | 1.77                         |
| CAR-6     | 6              | 6.73           | 30                | 9.2                     | 28.0                        | 3.16                         |
| CAR-8     | 8              | 9.04           | 30                | 15.0                    | 27.0                        | 5.65                         |

### Application

**Suction and discharge of dry materials such as sand, crushed rock, cement etc. Commonly used on daylighting trucks and roof vac applications. Static dissipating with no grounding wire.**

### Construction

**Tube:** Black abrasion resistant, static conducting synthetic rubber

**Reinforcement:** Rigid PVC clockwise helix (right hand)

**Cover:** Corrugated black abrasion resistant rubber

### Temperature Range

**-40°C to +60°C (-40°F to +140°F)**

### Standard Lengths

**2" to 6" - Max length 100 ft. - Cut to 5 ft. multiples**  
**8" to 12" - Max length 40 ft. - Cut to 20 ft. multiples**



**INDUSTRIAL  
RUBBER LTD.**

[irprubber.com](http://irprubber.com)

**MISSISSAUGA, ON**

TOLL FREE: 1-800-387-9537

**EDMONTON, AB**

TOLL FREE: 1-855-785-1227

**VANCOUVER, BC**

TOLL FREE: 1-877-527-1200

# CHALLENGER™ HP

## REINFORCED SUCTION & DISCHARGE HOSE



| Parts No. | I.D.<br>Inches | O.D.<br>Inches | Max W.P.<br>(PSI) | Bend Radius<br>(Inches) | Vacuum Rating<br>(68°F, Hg) | Approx. Wt.<br>Per. Ft. Lbs. |
|-----------|----------------|----------------|-------------------|-------------------------|-----------------------------|------------------------------|
| CHPS-2    | 2              | 2.60           | 100               | 4                       | 29.0                        | 0.69                         |
| CHPS-3    | 3              | 3.70           | 100               | 6                       | 28.0                        | 1.13                         |
| CHPS-4    | 4              | 4.78           | 80                | 7                       | 28.0                        | 1.74                         |
| CHPS-5    | 5              | 6.04           | 70                | 9                       | 28.0                        | 2.99                         |
| CHPS-6    | 6              | 7.17           | 70                | 10                      | 28.0                        | 3.88                         |
| CHPS-8    | 8              | 9.34           | 60                | 16                      | 28.0                        | 5.55                         |
| CHPS-10   | 10             | 11.63          | 40                | 25                      | 28.0                        | 8.90                         |
| CHPS-12   | 12             | 13.80          | 28                | 45                      | 25.0                        | 10.30                        |

### Application

A smooth bore, high pressure suction and discharge hose with polyester reinforcement. Lightweight construction with visible material flow. Excellent for fish suction & discharge as well as for dewatering applications.

### Construction

**Tube:** Smooth clear PVC

**Reinforcement:** Braided synthetic yarn

**Cover:** External PVC helix provides abrasion resistance and is low drag co-efficient.

### Temperature Range

-25°C to +60°C (-13°F to +140°F)

### Standard Lengths

2" to 6" - Max length 100 ft. - Cut to 5 ft. multiples

8" to 12" - Max length 40 ft. - Cut to 20 ft. multiples



**INDUSTRIAL  
RUBBER LTD.**

irprubber.com

**MISSISSAUGA, ON**

TOLL FREE: 1-800-387-9537

**EDMONTON, AB**

TOLL FREE: 1-855-785-1227

**VANCOUVER, BC**

TOLL FREE: 1-877-527-1200



# CHALLENGER™ CES

## WATER SUCTION / DISCHARGE HOSE



| Parts No. | I.D.<br>Inches | O.D.<br>Inches | Max W.P.<br>(PSI) | Bend Radius<br>(Inches) | Vacuum Rating<br>(68°F, Hg) | Approx. Wt.<br>Per. Ft. Lbs. |
|-----------|----------------|----------------|-------------------|-------------------------|-----------------------------|------------------------------|
| CES-1.5   | 1-1/2          | 1.85           | 50                | 3.2                     | 29.0                        | 0.41                         |
| CES-2     | 2              | 2.43           | 50                | 5.2                     | 29.0                        | 0.67                         |
| CES-3     | 3              | 3.52           | 45                | 7.1                     | 29.0                        | 1.10                         |
| CES-4     | 4              | 4.60           | 38                | 11.0                    | 29.0                        | 1.84                         |
| CES-6     | 6              | 6.81           | 23                | 20.0                    | 28.0                        | 3.23                         |

### Application

Lightweight and flexible hose with abrasion resistant cover for agricultural chemicals, general industrial use and oilfield service. Applications include liquid waste and septic handling. External helix provides low drag co-efficient. Suitable for full vacuum.

### Construction

**Tube:** Smooth, black (rubber) NBR/PVC  
**Cover:** Green PVC helix

### Temperature Range

-40°C to +60°C (-40°F to +140°F)

### Standard Lengths

1-1/2" to 6" - Max Length 100 ft. - Cut to 5 ft. multiples



**INDUSTRIAL  
RUBBER LTD.**

irprubber.com | sales@irprubber.com

**MISSISSAUGA, ON**

TOLL FREE: 1-800-387-9537

**EDMONTON, AB**

TOLL FREE: 1-855-785-1227

**VANCOUVER, BC**

TOLL FREE: 1-877-527-1200