

U40-2



U40-2

Universal suction cup

- Suitable for objects with flat or slightly curved surfaces.
- Also used for concave objects.



Lifting forces & Technical data

| Outer Dia in | Lifting force vertical to the surface, lbf, at vacuum level | | | Lifting force parallel to the surface, lbf, at vacuum level | | | Volume in ³ | Min. curve radius in | Max. vertical movement in | Weight rubber part oz |
|-----------------|---|----------|----------|---|----------|----------|---------------------------|-------------------------|------------------------------|--------------------------|
| | 6 -inHg | 18 -inHg | 27 -inHg | 6 -inHg | 18 -inHg | 27 -inHg | | | | |
| 1.61 | 4.50 | 8.77 | 11.0 | 3.15 | 4.95 | 6.07 | 0.33 | 1.18 | 0.18 | 0.14 |

Material specifications

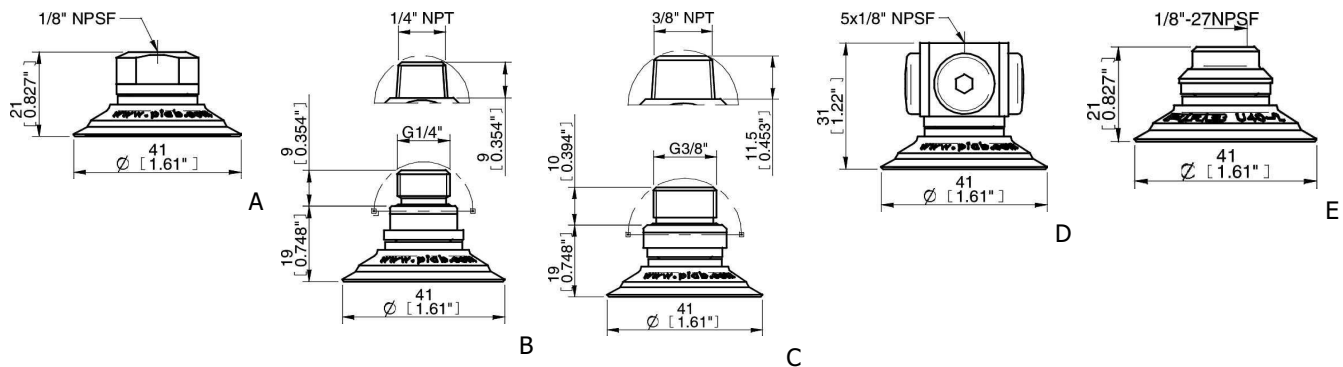
| Material | Color | Hardness °Shore A | Temperature range °F |
|------------------|-------|----------------------|-------------------------|
| Nitrile-PVC, NPV | Black | 50 | 32–194 |
| Silicone, SIL | Red | 50 | -40–392 |

Material resistance

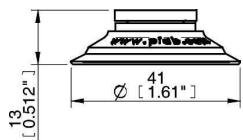
| Material | Wear resistance | Oil | Weather & Ozone | Hydrolysis | Gasoline | Concentrated acids | Alcohol | Oxidation |
|------------------|-----------------|-----------|-----------------|------------|-----------|--------------------|---------|-----------|
| Nitrile-PVC, NPV | Excellent | Excellent | Good | Good | Excellent | Fair | Good | Good |
| Silicone, SIL | Good | Poor | Excellent | Fair | Poor | Poor | Good | Excellent |

Ordering information

| | Suction cups with fitting | Weight | Part No. |
|---|---|--------|---------------|
| A | Suction cup U40-2 Nitrile-PVC, 1/8" NPSF female | 0.35 | U40-2.30.04AA |
| A | Suction cup U40-2 Nitrile-PVC, 1/8" NPSF female, with mesh filter | 0.35 | U40-2.30.04AG |
| B | Suction cup U40-2 Nitrile-PVC, G1/4" male, with mesh filter | 0.39 | U40-2.30.04AB |
| B | Suction cup U40-2 Nitrile-PVC, G1/4" male, with dual flow control valve | 0.39 | U40-2.30.04DB |
| B | Suction cup U40-2 Nitrile-PVC, 1/4" NPT male, with mesh filter | 0.39 | U40-2.30.04AC |
| C | Suction cup U40-2 Nitrile-PVC, G3/8" male, with dual flow control valve | 0.49 | U40-2.30.04DD |
| A | Suction cup U40-2 Silicone, 1/8" NPSF female | 0.35 | U40-2.20.04AA |
| A | Suction cup U40-2 Silicone, 1/8" NPSF female, with mesh filter | 0.35 | U40-2.20.04AG |
| B | Suction cup U40-2 Silicone, G1/4" male, with mesh filter | 0.39 | U40-2.20.04AB |
| B | Suction cup U40-2 Silicone, 1/4" NPT male, with mesh filter | 0.39 | U40-2.20.04AC |
| C | Suction cup U40-2 Silicone, G3/8" male, with mesh filter | 0.49 | U40-2.20.04AD |
| D | Suction cup U40-2 Silicone, 5x1/8" NPSF female | 0.85 | U40-2.20.04AF |
| E | Suction cup U40-2 Silicone, 1/8" NPSF female, PA | 0.22 | U40-2.20.04CA |



| Rubber parts | Part No. |
|-------------------------------|----------|
| Suction cup U40-2 Nitrile-PVC | U40-2.30 |
| Suction cup U40-2 Silicone | U40-2.20 |



| Fittings | Part No. |
|---|----------|
| Fitting 1/8" NPSF female, 30–40 | 04AA |
| Fitting 1/8" NPSF female, 30–40, with mesh filter | 04AG |
| Fitting 1/8" NPSF female, 30–40, with dual flow control valve | 04DA |
| Fitting G1/8" male, 40, with mesh filter | 04AI |
| Fitting G1/4" male, 30–40, with mesh filter | 04AB |
| Fitting G1/4" male, 30–40, with dual flow control valve | 04DB |
| Fitting 1/4" NPT male, with mesh filter | 04AC |
| Fitting 1/4" NPT male, with dual flow control valve | 04DC |
| Fitting G3/8" male, 30–40, with mesh filter | 04AD |
| Fitting G3/8" male, 30–40, with dual flow control valve | 04DD |
| Fitting 3/8" NPT male, with mesh filter | 04AE |
| Fitting 3/8" NPT male, with dual flow control valve | 04DE |

| | |
|---|------|
| Fitting 5x1/8" NPSF female, 30–40 | 04AF |
| Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve | 04DF |
| Fitting 1/8" NPSF female, 30–40, PA | 04CA |