

Handle-Tech handles are a ground breaking tool for today's oil, gas and waste management industries.

The easy to use mechanism enables you to clamp onto hose or pipe easily allowing you to grip, torque, and release single-handedly through a natural fluid movement.

Based in the heart of the Oil & Gas industry in Edmonton, Alberta, Handle-Tech Ltd. was born through the need for safe and efficient hose transportation and manipulation on today's oil and gas job-sites.

We are committed to ensuring that our workers have the tools they need to get their jobs done safely and easily.

# HANDLE-TECH™



- Drilling Mud Suction Hose
- Frac Pipe ● Sewer Hose
- Bio-Waste Pump Out
- Tanker Hose - Diesel, Jet Fuel
- Ridgid Pipe - ABS, PVC, Metal
- Industrial / Agricultural

## HANDLE-TECH™

## SAFETY-GRIP

### HOSE and PIPE HANDLES

[www.handle-tech.com](http://www.handle-tech.com)



# HANDLE-TECH™



Rigid Pipe Model, Single Handle



Spare Handles



Flex Pipe Model, Single, Double or Triple Handle

PIPE Handle Sizes	
Part Number	PIPE O.D. Sizes
<b>200PIPE</b>	<b>1.5" - 2.5"</b>
<b>300PIPE</b>	<b>2.5" - 3.5"</b>
<b>400PIPE</b>	<b>3.5" - 4.5"</b>
500PIPE	4.5" - 5.5"
600PIPE	5.5" - 6.5"
700PIPE	6.5" - 7.5"
800PIPE	7.5" - 8.5"
900PIPE	8.5" - 9.5"
1000PIPE	9.5" - 10.5"
1100PIPE	10.5" - 11.5"
1200PIPE	11.5" - 12.5"

All Handle-Tech Handles have a Maximum Lifting Weight of **400LBS/181Kg**. Designed to be used **ONLY** as a Hand Tool

HOSE Handle Sizes	
Part Number	HOSE O.D. Sizes
<b>300SUC</b>	<b>3" - 3.75"</b>
<b>400SUC</b>	<b>4" - 4.75"</b>
500SUC	5" - 5.75"
<b>600SUC</b>	<b>6" - 6.75"</b>
700SUC	7" - 7.75"
800SUC	8" - 8.75"
900SUC	9" - 9.75"
1000SUC	10" - 10.75"
1100SUC	11" - 11.75"
1200SUC	12" - 12.75"

Handle Availability	
Part Number	Date
<b>Orange</b>	<b>2013</b>
<b>Black</b>	<b>2014</b>

All our handles are manufactured with Long Glass Nylon which enhances the thermal insulation properties compared to commonly used materials such as aluminum; this lightweight material is stronger, non-conductive and more wear-resistant.

From temperatures of **-40C/-40F** to **+65C/150F**, each handle is designed to battle the most hostile environments, will withstand steam blasting with de-icing equipment. **Protect your hands and gloves with Handle-Tech!**

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	88.0 - 100	88.0 - 100	Average value: 94.0 Grade Count:4
Hardness, Rockwell R	115 - 122	115 - 122	Average value: 120 Grade Count:16
Tensile Strength, Ultimate	165 - 318 MPa	23900 - 46100 psi	Average value: 237 MPa Grade Count:21
	127 - 353.701 MPa @Temperature -40.0 - 121 °C	18400 - 51300.1 psi @Temperature -40.0 - 250 °F	Average value: 147 MPa Grade Count:3
	95.0 - 130 MPa @Temperature 130 - 175 °C	13800 - 18900 psi @Temperature 266 - 347 °F	Average value: 147 MPa Grade Count:2
	95.0 - 130 MPa @Time 1.80e+7 - 7.20e+7 sec	13800 - 18900 psi @Time 5000 - 20000 hour	Average value: 147 MPa Grade Count:2
Tensile Strength, Yield	148 - 285 MPa	21500 - 41300 psi	Average value: 223 MPa Grade Count:21
	144.79 - 144.79 MPa @Temperature 93.3 - 93.3 °C	21000 - 21000 psi @Temperature 200 - 200 °F	Average value: 145 MPa Grade Count:1
Elongation at Break	1.20 - 4.00 %	1.20 - 4.00 %	Average value: 1.99 % Grade Count:37
	1.80 - 2.20 % @Temperature -40.0 - 121 °C	1.80 - 2.20 % @Temperature -40.0 - 250 °F	Average value: 1.98 % Grade Count:2
Modulus of Elasticity	10.3 - 23.2 GPa	1500 - 3360 ksi	Average value: 18.9 GPa Grade Count:20
	11.9 - 20.8566 GPa @Temperature -40.0 - 121 °C	1730 - 3025.05 ksi @Temperature -40.0 - 250 °F	Average value: 14.9 GPa Grade Count:2
Flexural Yield Strength	234 - 460 MPa	33900 - 66700 psi	Average value: 350 MPa Grade Count:39
	260 - 260 MPa @Temperature 80.0 - 80.0 °C	37700 - 37700 psi @Temperature 176 - 176 °F	Average value: 260 MPa Grade Count:1
Flexural Modulus	0.461 - 22.8 GPa	66.9 - 3300 ksi	Average value: 17.4 GPa Grade Count:39
	0.227527 - 19.3053 GPa @Temperature -40.0 - 121 °C	33.0005 - 2800.04 ksi @Temperature -40.0 - 250 °F	Average value: 9.78 GPa Grade Count:4
Izod Impact, Notched	0.950 - 6.62 J/cm	1.78 - 12.4 ft-lb/in	Average value: 2.27 J/cm Grade Count:33
	1.30 - 7.68816 J/cm @Temperature -40.0 - 149 °C	2.44 - 14.4031 ft-lb/in @Temperature -40.0 - 300 °F	Average value: 4.51 J/cm Grade Count:2
Izod Impact, Unnotched	10.7 - 5340 J/cm	20.0 - 10000 ft-lb/in	Average value: 26.4 J/cm Grade Count:16
Izod Impact, Notched (ISO)	11.0 - 30.0 kJ/m²	5.23 - 14.3 ft-lb/in²	Average value: 15.8 kJ/m² Grade Count:3
Charpy Impact Unnotched	6.50 - 15.0 J/cm²	30.9 - 71.4 ft-lb/in²	Average value: 10.0 J/cm² Grade Count:9
	6.00 - 9.70 J/cm² @Temperature -40.0 - 30.0 °C	28.6 - 46.2 ft-lb/in² @Temperature -40.0 - 86.0 °F	Average value: 8.05 J/cm² Grade Count:7
Charpy Impact, Notched	1.30 - 5.40 J/cm²	6.19 - 25.7 ft-lb/in²	Average value: 2.68 J/cm² Grade Count:9
	1.20 - 4.60 J/cm² @Temperature -30.0 - 30.0 °C	5.71 - 21.9 ft-lb/in² @Temperature -22.0 - 86.0 °F	Average value: 1.88 J/cm² Grade Count:6
Dart Drop, Total Energy	7.85 - 16.4 J @Temperature -20.0 - -20.0 °C	5.79 - 12.1 ft-lb @Temperature -4.00 - -4.00 °F	Average value: 12.1 J Grade Count:1
	7.85 - 16.4 J @Thickness 3.18 - 3.18 mm	5.79 - 12.1 ft-lb @Thickness 0.125 - 0.125 in	Average value: 12.1 J Grade Count:1
Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+9 - 1.00e+16 ohm-cm	1.00e+9 - 1.00e+16 ohm-cm	Average value: 6.94e+14 ohm-cm Grade Count:15
Surface Resistance	1.00e+10 - 1.00e+16 ohm	1.00e+10 - 1.00e+16 ohm	Average value: 8.50e+14 ohm Grade Count:12
Dielectric Strength	19.7 - 22.0 kV/mm	500 - 559 kV/in	Average value: 19.9 kV/mm Grade Count:14
Thermal Properties	Metric	English	Comments
CTE, linear	10.0 - 27.0 µm/m-°C	5.56 - 15.0 µin/in-°F	Average value: 21.5 µm/m-°C Grade Count:18
Thermal Conductivity	0.300 - 0.548 W/m-K	2.08 - 3.80 BTU-in/hr-ft²-°F	Average value: 0.424 W/m-K Grade Count:4
Melting Point	220 - 262 °C	428 - 504 °F	Average value: 253 °C Grade Count:11
Deflection Temperature at 0.46 MPa (66 psi)	220 - 262 °C	428 - 504 °F	Average value: 254 °C Grade Count:11
Deflection Temperature at 1.8 MPa (264 psi)	210 - 263 °C	410 - 505 °F	Average value: 251 °C Grade Count:37
Flammability, UL94	HB	HB	Grade Count:12