

# Electrode Selector

SELECT THE RIGHT ELECTRODE FOR YOUR APPLICATION.

## MILD STEEL RUTILE COATED - General Purpose

NAME	DESCRIPTION	POSITIONS
<b>WELDWELL PH28</b> ● TIP	<ul style="list-style-type: none"> <li>› Universal general purpose electrode, very easy to use</li> <li>› Very good weld appearance for all positions</li> <li>› Excellent X-Ray properties</li> <li>› Easy to apply in vertical up and overhead positions</li> <li>› Easy to use for less experienced operators</li> <li>› AS/NZS 4855B E4313A, AWS A5.1 E6013</li> <li>› Available sizes: 2.5, 3.2, 4.0mm</li> </ul>	
<b>WELDWELL PH48A</b> ● TIP	<ul style="list-style-type: none"> <li>› For welding in all positions</li> <li>› Easy arc starting and restarting properties</li> <li>› A good electrode for welding galvanised and steel pipes</li> <li>› AS/NZS 4855B E4313A, AWS A5.1 E6013</li> <li>› Available sizes: 2.5, 3.2, 4.0mm</li> </ul>	
<b>WELDWELL PH68</b> ● TIP	<ul style="list-style-type: none"> <li>› For welding in all positions</li> <li>› Produces a rapid freezing slag</li> <li>› Excellent slag control for vertical down welding</li> <li>› Excellent for galvanised steels</li> <li>› Ideal for poor-fitting work where large gaps have to be bridged</li> <li>› AS/NZS 4855B E4313A, AWS A5.1 E6013</li> <li>› Available sizes: 2.5, 3.2, 4.0mm</li> </ul>	

## MILD/MEDIUM TENSILE STEEL - Low Hydrogen

NAME	DESCRIPTION	POSITIONS
<b>WELDWELL PH16TC</b> ● TIP	<ul style="list-style-type: none"> <li>› Suitable for all positions (except vertical down)</li> <li>› Easy striking on AC and DC</li> <li>› For carbon steel/high strength steels</li> <li>› Very fluid slag action and easy slag removal</li> <li>› Exceptional arc stability</li> <li>› X-Ray quality</li> <li>› Suitable for welding structural steels, transport and agricultural equipment</li> <li>› AS/NZS 4855B E4916AU H10, AWS A5.1 E7016 H8</li> <li>› Available sizes: 2.5, 3.2, 4.0mm</li> </ul>	
<b>WELDWELL PH56S</b> ● TIP	<ul style="list-style-type: none"> <li>› Suitable for all positions (except vertical down)</li> <li>› Deposits a very pure weld</li> <li>› Exceptional mechanical and X-Ray properties</li> <li>› For use on mild, unalloyed, micro alloyed and low alloyed steels</li> <li>› Suitable for offshore fabrication, pipe welding, structural steel construction, oil and gas applications</li> <li>› AS/NZS 4855B E4916AU H5, AWS A5.1 E7016 H8</li> <li>› Available sizes: 2.5, 3.2, 4.0mm</li> </ul>	
<b>WELDWELL PH77</b> ● TIP	<ul style="list-style-type: none"> <li>› Suitable for all positions (except vertical down)</li> <li>› Produces very little spatter</li> <li>› Exceptionally smooth arc performance</li> <li>› Easy to control and easy to remove slag</li> <li>› For low alloy, high tensile steels and steels with LT40 specification</li> <li>› Suitable for repair and maintenance of earth moving plants, pressure vessels, turbines and heavy construction beams</li> <li>› AS/NZS 4855B E4918-1AU H5, AWS A5.1 E7018-1 H8</li> <li>› Available sizes: 2.5, 3.2, 4.0mm</li> </ul>	

## MILD STEEL - Cellulose Coated

NAME	DESCRIPTION	POSITIONS
<b>WELDWELL PH31A</b> ● TIP	<ul style="list-style-type: none"> <li>› Formulated for a deeply penetrating arc with a fast burn-off rate</li> <li>› Good mechanical X-Ray characteristics</li> <li>› The easy to ignite arc is powerful and extremely stable</li> <li>› Easy to remove slag</li> <li>› Suitable for pipe welding, site fabrication, maintenance and general fabrication</li> <li>› AS/NZS 4855B E4311A, AWS A5.1 E6011</li> <li>› Available sizes: 3.2, 4.0mm</li> </ul>	

## MILD STEEL - Iron Power

NAME	DESCRIPTION	POSITIONS
<b>WELDWELL PH7024</b> ● TIP	<ul style="list-style-type: none"> <li>› Developed for high speed welding of mild steel in the down-hand and horizontal positions</li> <li>› High efficiency</li> <li>› Excellent mechanical properties and weldability</li> <li>› Suitable for shipbuilding applications, bridge girders, crusher frames, buckets, roof trusses, rolling stock, pressure vessels, heavy machinery frames etc.</li> <li>› AS/NZS 4855B E4924A, AWS A5.1 E7024</li> <li>› Available sizes: 3.2, 4.0</li> </ul>	

## HARD SURFACING

NAME	DESCRIPTION	POSITIONS
<b>WELDWELL PH400</b> ● TIP	<ul style="list-style-type: none"> <li>› Smooth running and easy to use</li> <li>› Heavy build-up and surfacing of steel components subject to metal to metal wear and compressive loading</li> <li>› Suitable for welding shafts, grouser plates, shovel pads, track links, idler wheels, dragline pins, etc.</li> <li>› Typical undiluted hardness 38Rc</li> <li>› AS/NZS 2576 1435-A4</li> <li>› Available sizes: 3.2, 4.0mm</li> </ul>	
<b>WELDWELL PH600</b> ● TIP	<ul style="list-style-type: none"> <li>› Deposits a weld metal containing carbon chromium and magnese</li> <li>› Highly resistant to abrasive wear</li> <li>› Very good properties against sliding and rolling friction</li> <li>› Suitable for welding shares and tynes, post hole augers, grader and cultivator blades and agriculture parts subject to wear</li> <li>› Typical undiluted hardness 59Rc</li> <li>› AS/NZS 2576 1855-A4</li> <li>› Available sizes: 3.2, 4.0mm</li> </ul>	
<b>WELDWELL PH700</b> ● TIP	<ul style="list-style-type: none"> <li>› Deposits a high chromium, high carbon type alloy</li> <li>› Has good resistance to scaling and corrosion in high temperatures</li> <li>› Can be deposited directly onto mild steel, low alloy steel, or austenitic manganese steel</li> <li>› Easy to control and easy to remove slag</li> <li>› For low alloy, high tensile steels and steels with LT40 specification</li> <li>› Suitable for welding furnace parts, rolling mill guides, conveyor screws, dozer blades, ripper teeth, etc.</li> <li>› Typical undiluted hardness 62Rc</li> <li>› AS/NZS 2576 2460-A4</li> <li>› Available sizes: 3.2, 4.0mm</li> </ul>	

## STAINLESS STEEL

NAME	DESCRIPTION	POSITIONS
<b>WIA STAINCORD 316L-16</b> ● TIP	<ul style="list-style-type: none"> <li>› Suitable for all positions (except vertical down)</li> <li>› Produces very little spatter</li> <li>› Exceptionally smooth arc performance</li> <li>› Easy to control and easy to remove slag</li> <li>› For low alloy, high tensile steels and steels with LT40 specification</li> <li>› Suitable for welding most common 300 series stainless alloys and 409, 444 and 3CR12 ferric type alloys</li> <li>› AS/NZS 4853-B-E316L-16, AWS A5.4 E316L-16</li> <li>› Available sizes: 2.6, 3.2mm</li> </ul>	
<b>WIA UNICORD 312</b> ● TIP	<ul style="list-style-type: none"> <li>› Good ductility</li> <li>› Low spatter level</li> <li>› Quick and easy slag removal</li> <li>› Low moisture re-absorption</li> <li>› Low smoke level</li> <li>› Suitable for repair and maintenance of steels of unknown composition, a universal maintenance electrode</li> <li>› AS/NZS 4854-B-E312-16, AWS A5.4 E312-16</li> <li>› Available sizes: 3.2mm</li> </ul>	

Made in NZ since 1967.

All Weldwell branded arc electrodes are manufactured locally right here in New Zealand. However Hobart and WIA Staincord & Unicord electrodes are manufactured overseas by partner ITW Welding companies.