
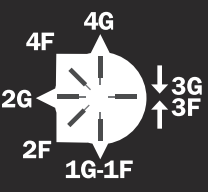

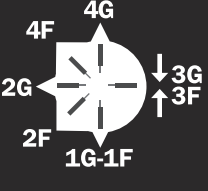

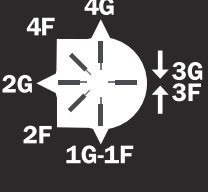





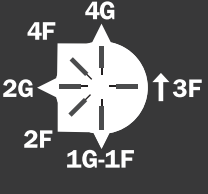

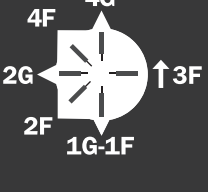

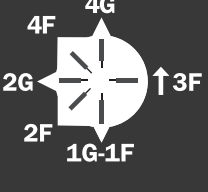

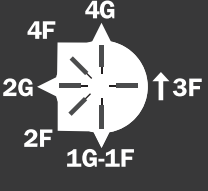
# Electrode Selector

SELECT THE RIGHT ELECTRODE FOR YOUR APPLICATION.


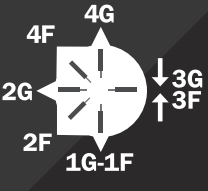
## MILD STEEL RUTILE COATED - General Purpose

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>	
<b>HOBART HOBALLOY 11018M</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>› For welding Bisalloy 80, 4140 and other high strength steels</li><li>› AS/NZS 4857 B-E7618-N4M2 A U H5, AWS A5.5 E11018M H4R</li><li>› Available sizes: 3.2, 4.0mm</li></ul>	


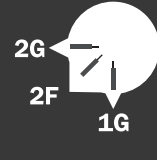




## MILD STEEL - Cellulose Coated

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>	


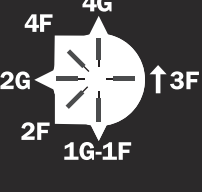

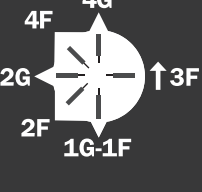

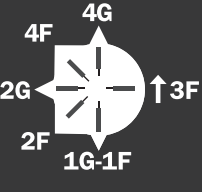

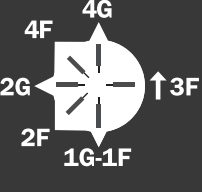
## MILD STEEL - Iron Power

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, 5.0mm</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 309L</b>  TIP	<ul style="list-style-type: none"><li>› Suitable for all positions (except vertical down)</li><li>› Easy arc starting</li><li>› For joining stainless and carbon steel</li><li>› Very fluid slag action and easy to remove slag</li><li>› X-Ray quality</li><li>› Suitable for welding stainless steel containing 22 - 25% Cr and 12 - 14% Ni, dissimilar metals and welding buffer layers of 18/8 clad steels</li><li>› AS/NZS 4854-B-ES309L-16, AWS A5.4 E309L-16</li><li>› Available sizes: 2.6, 3.2mm</li></ul>	
<b>WIA STAINCORD 309Mo-16</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 applications, mild/low alloy steels and AISI 309 type alloys</li><li>› AS/NZS 4854-B-ES309LMo-16, AWS A5.4 E309LMo-16</li><li>› Available sizes: 2.6, 3.2mm</li></ul>	
<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>	



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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.



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