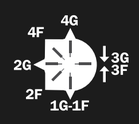
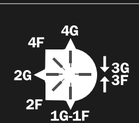
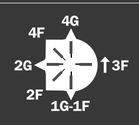
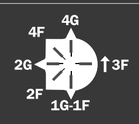
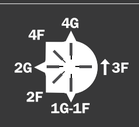
Electrode Selector

SELECT THE RIGHT ELECTRODE FOR YOUR APPLICATION.

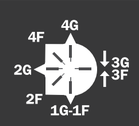
MILD STEEL RUTILE COATED - General Purpose

NAME	DESCRIPTION	POSITIONS
WELDWELL PH28 TIP	› Universal general purpose electrode, very easy to use › Very good weld appearance for all positions › Excellent X-Ray properties › Easy to apply in vertical up and overhead positions › Easy to use for less experienced operators › AS/NZS 4855B E4313A, AWS A5.1 E6013 › Available sizes: 2.5, 3.2, 4.0mm	
WELDWELL PH48A TIP	› For welding in all positions › Easy arc starting and restarting properties › A good electrode for welding galvanised and steel pipes › AS/NZS 4855B E4313A, AWS A5.1 E6013 › Available sizes: 2.5, 3.2, 4.0mm	
WELDWELL PH68 TIP	› For welding in all positions › Produces a rapid freezing slag › Excellent slag control for vertical down welding › Excellent for galvanised steels › Ideal for poor-fitting work where large gaps have to be bridged › AS/NZS 4855B E4313A, AWS A5.1 E6013 › Available sizes: 2.5, 3.2, 4.0mm	

MILD/MEDIUM TENSILE STEEL - Low Hydrogen

NAME	DESCRIPTION	POSITIONS
WELDWELL PH16TC TIP	› Suitable for all positions (except vertical down) › Easy striking on AC and DC › For carbon steel/high strength steels › Very fluid slag action and easy slag removal › Exceptional arc stability › X-Ray quality › Suitable for welding structural steels, transport and agricultural equipment › AS/NZS 4855B E4916AU H10, AWS A5.1 E7016 H8 › Available sizes: 2.5, 3.2, 4.0mm	
WELDWELL PH56S TIP	› Suitable for all positions (except vertical down) › Deposits a very pure weld › Exceptional mechanical and X-Ray properties › For use on mild, unalloyed, micro alloyed and low alloyed steels › Suitable for offshore fabrication, pipe welding, structural steel construction, oil and gas applications › AS/NZS 4855B E4916AU H5, AWS A5.1 E7016 H8 › Available sizes: 2.5, 3.2, 4.0mm	
WELDWELL PH77 TIP	› Suitable for all positions (except vertical down) › Produces very little spatter › Exceptionally smooth arc performance › Easy to control and easy to remove slag › For low alloy, high tensile steels and steels with LT40 specification › Suitable for repair and maintenance of earth moving plants, pressure vessels, turbines and heavy construction beams › AS/NZS 4855B E4918-1AU H5, AWS A5.1 E7018-1 H8 › Available sizes: 2.5, 3.2, 4.0mm	

MILD STEEL - Cellulose Coated

NAME	DESCRIPTION	POSITIONS
WELDWELL PH31A TIP	› Formulated for a deeply penetrating arc with a fast burn-off rate › Good mechanical X-Ray characteristics › The easy to ignite arc is powerful and extremely stable › Easy to remove slag › Suitable for pipe welding, site fabrication, maintenance and general fabrication › AS/NZS 4855B E4311A, AWS A5.1 E6011 › Available sizes: 3.2, 4.0mm	

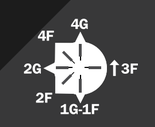
MILD STEEL - Iron Power

NAME	DESCRIPTION	POSITIONS
WELDWELL PH7024 TIP	› Developed for high speed welding of mild steel in the down-hand and horizontal positions › High efficiency › Excellent mechanical properties and weldability › Suitable for shipbuilding applications, bridge girders, crusher frames, buckets, roof trusses, rolling stock, pressure vessels, heavy machinery frames etc. › AS/NZS 4855B E4924A, AWS A5.1 E7024 › Available sizes: 3.2, 4.0	

HARD SURFACING

NAME	DESCRIPTION	POSITIONS
WELDWELL PH400 TIP	› Smooth running and easy to use › Heavy build-up and surfacing of steel components subject to metal to metal wear and compressive loading › Suitable for welding shafts, grouser plates, shovel pads, track links, idler wheels, dragline pins, etc. › Typical undiluted hardness 38Rc › AS/NZS 2576 1435-A4 › Available sizes: 3.2, 4.0mm	
WELDWELL PH600 TIP	› Deposits a weld metal containing carbon chromium and magnese › Highly resistant to abrasive wear › Very good properties against sliding and rolling friction › Suitable for welding shares and tynes, post hole augers, grader and cultivator blades and agriculture parts subject to wear › Typical undiluted hardness 59Rc › AS/NZS 2576 1855-A4 › Available sizes: 3.2, 4.0mm	
WELDWELL PH700 TIP	› Deposits a high chromium, high carbon type alloy › Has good resistance to scaling and corrosion in high temperatures › Can be deposited directly onto mild steel, low alloy steel, or austenitic manganese steel › Easy to control and easy to remove slag › For low alloy, high tensile steels and steels with LT40 specification › Suitable for welding furnace parts, rolling mill guides, conveyor screws, dozer blades, ripper teeth, etc. › Typical undiluted hardness 62Rc › AS/NZS 2576 2460-A4 › Available sizes: 3.2, 4.0mm	

STAINLESS STEEL

NAME	DESCRIPTION	POSITIONS
WIA STAINCORD 316L-16 TIP	› Suitable for all positions (except vertical down) › Produces very little spatter › Exceptionally smooth arc performance › Easy to control and easy to remove slag › For low alloy, high tensile steels and steels with LT40 specification › Suitable for welding most common 300 series stainless alloys and 409, 444 and 3CR12 ferric type alloys › AS/NZS 4853-B-E316L-16, AWS A5.4 E316L-16 › Available sizes: 2.6, 3.2mm	
WIA UNICORD 312 TIP	› Good ductility › Low spatter level › Quick and easy slag removal › Low moisture re-absorption › Low smoke level › Suitable for repair and maintenance of steels of unknown composition, a universal maintenance electrode › AS/NZS 4854-B-E312-16, AWS A5.4 E312-16 › Available sizes: 3.2mm	

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.

WELDWELL® Global Brands. Local Support. | WIA | Miller

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