



Caldervale Technology Limited

Full End Users Product Catalogue 2013

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Electrofusion control boxes

Calder Pegasus Series.

Pegasus general purpose fusion welding control box



Choice of 110 or 230V models, with fusion data input from reading the fitting barcode with scanner or manual input of fusion time by pushbuttons. Historical fusion data (calder utility) memory capacity 2000 fusion cycles, memory download onto USB data stick.

Simple to understand symbolic display

Available in limited power 250E (couplers up to 250mm) & full power versions.

3 Conductor primary power supply cable (input cable,) permanently fixed to plastic casing, choice of connector plug.

Optional 2 conductor primary power supply cable (input cable,) for double insulated operation available on request.

Combined data & secondary power supply chord (output chord,) with pigtails, permanently fixed to plastic casing, fitting plugs with choice of 4.0 or 4.7mm connectors.

Optional steel tool case

Reference	Description
01-01-401	Pegasus110V supply, full power with barcode scanner
01-01-402	Pegasus 230V supply, full power with barcode scanner
01-01-405	Pegasus 250E, 110V supply, with barcode scanner
01-01-406	Pegasus 250E, 230V supply, with barcode scanner
01-01-403	Steel case squat for Pegusus & Pegusus Enfusion fusion welders

**Pegasus Enfusion 2 chemical waste
constant current fusion box**



For 110V or 230V primary supplies .

Simple to understand symbolic display

Barcode, Enfusion automatic or manual input of fusion time

3 Conductor primary power supply cable (input cable,) permanently fixed to plastic casing, choice of connector plug.

Historical fusion data memory for 2000 cycles, download by USB data stick

Weather lid

Fitting connector pigtails must be purchased seperately

Optional steel tool case.

Reference	Description
01-01-410	Pegasus Enfusion 2, 110V fusion box without end connector pigtail sets
01-01-411	Pegasus Enfusion 2, 230V fusion box without end connector pigtail sets
01-01-412	Enfusion secondary supply (output,) connector lead (standard.)
01-01-413	Enfusion secondary supply (output,) connector lead (dual containment.)
01-01-414	Enfusion link lead 5ft (standard.)
01-01-415	Enfusion link lead 10ft (standard.)
01-01-416	Enfusion link lead 15ft (standard.)
01-01-417	Enfusion link lead 5ft (dual containment.)
01-01-418	Enfusion link lead 10ft (dual containment.)
01-01-419	Enfusion link lead 15ft (dual containment.)
01-01-403	Steel case squat for Pegasus & Pegasus Enfusion fusion welders

Calder Connexion® Series

Calder Connexion Blue



Choice of 110 or 230V models, with manual input of fusion time by pushbuttons.
Historical fusion data memory not available

3 Conductor primary power supply cable (input cable,) permanently fixed to aluminium casing, choice of connector plug.

Secondary power chord (output chord,) 5.0m with pigtails, permanently fixed to plastic casing, fitting plugs with choice of 4.0 or 4.7mm connectors.

Detachable secondary power chord with military style connectors available to order.

Optional steel tool case

Reference	Description
01-01-601	Connexion Blue110V, 5.0m chord 4.7mm fitting connector plugs
01-01-602	Connexion Blue230V, 5.0m chord 4.0mm fitting connector plugs
01-01-155	Steel case tall for Centaur, Connexion fusion welders

Calder Connexion Red



Choice of 110 or 230V models, with fusion data input from reading the fitting barcode with scanner or manual input of fusion time by pushbuttons. Historical fusion data (Calder-safe,) memory capacity 750 fusion cycles, memory download onto USB data stick.

3 Conductor primary power supply cable (input cable,) permanently fixed to aluminium casing, choice of connector plug.

Combined data & secondary power supply chord (output chord,) with pigtails, permanently fixed to aluminium casing, fitting plugs with choice of 4.0 or 4.7mm connectors.

Multiple language options available

Optional steel tool case

Reference	Description
01-01-501	Connexion Red 110V, 5.0m chord, barcode scanner, 4.7mm plugs
01-01-502	Connexion Red 230V, 5.0m chord, barcode scanner, 4.0mm plugs
01-01-155	Steel case tall for Centaur, Connexion fusion welders

Calder Centaur



Calder Centaur

Choice of 110 or 230V models, with fusion data input from reading the fitting barcode with scanner or manual input of fusion time by pushbuttons. Historical fusion data (Calder safe,) memory capacity 750 fusion cycles, memory download onto USB data stick.

Embedded resistor (Fusamatic,) & point of weld record by GPS option available

3 Conductor primary power supply cable (input cable,) permanently fixed to aluminium casing, choice of connector plug.

Combined data & secondary power supply chord (output chord,) with pigtails, permanently fixed to aluminium casing, fitting plugs with choice of 4.0 or 4.7mm connectors.

Multiple language options available

Optional steel tool case

Reference	Description
01-01-181	C. Centaur 110V, fixed chord, Calder safe, barcode scanner, 4.7mm plugs
01-01-182	C. Centaur 110V, detach chord, Calder safe, barcode scanner, 4.7mm plugs
01-01-183	C. Centaur 230V, fixed chord, Calder safe, barcode scanner, 4.0mm plugs
01-01-184	C. Centaur 230V, detach chord, Calder safe, barcode scanner, 4.0mm plugs
01-01-192	C. Centaur, 110V, fixed chord, Calder safe, barcode scanner, 4.7mm plugs, GPS
01-01-193	C. Centaur, 230V, fixed chord, Calder safe, barcode scanner, 4.0mm plugs, GPS
01-01-155	Steel case tall for Centaur, Connexion fusion welders

Proxima series



Proxima Sirius, Centaur & Taurus

Choice of 110 or 230V models, with fusion data input from reading the fitting barcode with scanner or manual input of fusion time by pushbuttons. Historical fusion data (Calder safe,) memory capacity 750 fusion cycles, memory download onto USB data stick.

Embedded resistor (fusamatic,) & point of weld record by GPS option available

Taurus 110 x 40/80 volt available

3 Conductor primary power supply cable (input cable,) permanently fixed to aluminium casing, choice of connector plug.

Combined data & secondary power supply chord (output chord,) with pigtails, permanently fixed to aluminium casing, fitting plugs with choice of 4.0 or 4.7mm connectors.

Multiple language options available

Optional steel tool case

Reference	Description
01-01-060	Prox. Sirius 110V, manual input, variable o/p, fixed chord, 4.7mm plugs
01-01-061	Prox. Sirius 230V, manual input, variable o/p, fixed chord 4.0mm plugs
01-01-067	Prox. Sirius Polaris, as 01-01-061 with GPS
01-01-066	Prox Sirius Polaris as 01-01-060 with GPS
01-01-063	Prox Taurus, 110V manual 40/80, 2 x detachable chords 4.7 & 5.5mm plugs
01-01-064	Prox Taurus 110V, barcode & 40/80, 2 x detachable chords 4.7 & 5.5mm plugs
01-01-065	Prox Taurus 110V, barcode & 40/80, 2 x detachable leads 4.7 & 5.5mm plugs with embedded resistor (fusamatic in 40V channel,)
01-01-068	Prox. Taurus Polaris 110V as 01-01-063 with GPS
01-01-069	Prox. Taurus Polaris 110V as 01-01-064 with GPS
01-01-070	Prox. Taurus Polaris 110V as 01-01-065 with GPS

01-01-071	Prox. Centaur 110V, manual & fusamatic, fixed chord, 4.7mm plugs
01-01-072	Prox. Centaur 230V, manual & fusamatic, fixed chord, 4.0mm plugs
01-01-074	Prox Centaur 110V, manual & barcode, fixed chord, 4.7mm plugs, barcode scanner.
01-01-075	Prox Centaur 230V, manual & barcode, fixed chord, 4.0mm plugs, barcode scanner
01-01-080	Prox Centaur 110V, manual, barcode, fusamatic, fixed chord, 4.7mm plugs, barcode scanner
01-01-081	Prox Centaur 230V, manual, barcode, fusamatic, fixed chord 4.0mm plugs, barcode scanner.
01-01-082	Prox. Centaur Polaris110V as 01-01-071 with GPS
01-01-083	Prox. Centaur Polaris 230V as 01-01-072 with GPS
01-01-084	Prox. Centaur Polaris 110V as 01-01-074 with GPS
01-01-085	Prox. Centaur Polaris 230V as 01-01-075 with GPS
01-01-086	Prox Centaur Polaris 110V as 01-01-080 with GPS
01-01-087	Prox. Centaur Polaris 230V as 01-01-081 with GPS
01-01-162	Steel case squat for Proxima series fusion welders

Calder Aquafuse non pressure drainage fusion welders.

230VAquafuse AF160 hand held

Fusion welder



For 230V primary power supplies only

For use with Coes, Gerberit, Wavinsolo, Valsir, Akatherm & Gerberit couplers 40mm up to 160mm diameter

Single secondary pigtail connector

Constant current secondary supply, NOT for use with conventional electrofusion fittings

Comes with soft touch tool bag

Reference	Description
01-01-096	Calder Aquafuse AF160, 230V hand held fusion welder for drainage fittings with soft touch case

Calder Aquafuse non pressure drainage fusion welders.



230V Aquafuse AF315 fusion welder

For 230V primary power supplies only

For use with Coes, Gerberit, Wavinsolo, Valsir, Akatherm & Gerberit couplers 40mm up to 315mm diameter

Supplied with Yellow round connector pigtail set (Akatherm, Eurofusion, Gerberit & Coes 40-160mm couplers,) & Blue pigtail set (Akatherm, Eurofusion & Wavisolo 200-315mm couplers.)

Requires additional round connector Red pigtail set (Gerberit 200-315mm couplers,) or round connector Green (Von Roll 40-160mm.) or round connector Black (Waviduo 40-160mm.)

Constant current secondary supply, NOT for use with conventional electrofusion fittings

Reference	Description
01-01-098	Calder Aquafuse AF315, 230V fully portable fusion welder for drainage fittings up to 315mm, requires fitting connector pigtails for some fittings
C53ER009	Replacement yellow connection pigtail set
C53ER010	Replacement blue connection pigtail set
C53ER011	Red pigtail set for Gerberit couplers
C53ER012	Green pigtail set for Von Roll couplers
C53ER014	Black pigtail set for Coes couplers

Calder Aquafuse non pressure drainage fusion welders.

110V Aquafuse AF315 fusion welder



For 110V primary power supplies only, case contains 110/230 volt step up transformer.

For use with Coes, Gerberit, Wavinsolo, Valsir, Akatherm & Gerberit couplers 40mm up to 315mm diameter

Supplied with Yellow square connector pigtail set (Akatherm, Eurofusion, Gerberit & Coes 40-160mm couplers,) Blue pigtail set (Akatherm, Eurofusion & Wavisolo 200-315mm couplers.) Black pigtail set (Coes large fittings)

Requires additional square connector Red pigtail set (Gerberit 200-315mm couplers,) or square connector Green (Von Roll 40-160mm.) or square connector Black (Waviduo 40-160mm.)

Constant current secondary supply, NOT for use with conventional electrofusion fittings

GRP construction with tubular steel protection frame

Reference	Description
01-01-042	Calder Aquafuse AF315, 110V portable fusion welder for drainage fittings up to 315mm, requires fitting connector pigtails for some fittings
01-01-055	Replacement black pigtail set
01-01-056	Replacement Blue pigtail set
01-01-057	Replacement Yellow pigtail set
01-01-058	Red pigtail set for Gerberit 200-315mm couplers
01-01-059	Green output chord set for Wavisolo 40-160mm couplers
01-01-403	Steel case squat for Pegasus & Pegasus Enfusion fusion welders

Calder Nomad battery powered portable fusion welder



Calder Nomad portable fusion welder

With charging unit

This product is designed for use with electrofusion couplers in sizes up to 63mm only.

Kit consists of Fusion welder with battery, Spare battery & charger unit

Detachable output chord with 4.7mm or 4.0mm fitting connector plugs

Reference	Description
01-01-013	Nomad battery powered fusion welder kit complete
01-01-260	Battery charging unit (new style,) with plug
01-01-261	Spare lead/acid battery pack wired with connector
01-01-262	Nomad fusion welder only
01-01-045	Nomad test load
01-01-046	Nomad input voltage test box
01-01-048	Test load 40 volts x 1 amp, 5 amp & 50 amp

Secondary power chords (output chords) & connection accessories.

Detachable secondary power chords with military connectors



Reference	Description
01-01-127	Mk3, detachable 3.0m long x 4.7mm connector plugs, sheath colour blue for standard 110V fusion welder boxes
01-01-128	Mk3, detachable 5.0m long x 4.7mm fusamatic connector plugs, sheath colour blue for standard 110V fusion welder boxes with fusamatic
01-01-135	Mk3, detachable 3.0m long x 4.0mm connector plugs, sheath colour black for standard 230V fusion welder boxes
01-01-137	Mk3, Single fixed 5.0m long x 4.7mm connector plug for Connexion
01-01-142	Mk3, detachable 3.0m long x 5.5mm connector plugs, sheath colour yellow for 110V x 80V fusion welder boxes

Repair kits for connection end secondary power chords.



Reference	Description
01-01-125	Repair kit Mk3 secondary supply chord 4.7mm connectors (pair.)
01-01-126	Repair kit Mk3 secondary supply chord 4.0mm connectors (pair.)
01-01-143	Repair kit Mk3, 80V secondary supply chord 5.5mm connectors (pair.)
01-01-177	Repair kit Mk3 secondary supply chord 4.0mm fusamatic (pair.)

Terminal connection end adapters



Reference	Description
01-01-101	Terminal adapter 4.7mm male probe x 4.0mm female receptacle pack of 2
01-01-116	Terminal adapter 4.0mm male probe x 4.7mm female receptacle pack of 2
01-01-102	Disposable mini adapter 4.7mm male probe x 4.0mm female receptacle pack of 2

Barcode reading accessories scanners & wands

USB & serial (PS 2) scanners & wands



Reference	Description
01-01-305	Opticon barcode scanner with USB connector (A+E)
01-01-306	Leather wallet for barcode wand
01-01-307	Barcode wand for Friatec fusion welder
01-01-308	Sulux 616 barcode scanner with USB connector (except Pegasus.) (A+D)
01-01-309	Sulux 616 barcode scanner with PS2 connector (Pegasus.) (C+D)
01-01-311	Scanner pouch
01-01-312	Sulux 616 barcode scanner with USB & buccaneer connector (B+D)
189.01.0220	Spare lead cat5 to USB (A)
189.01.0221	Spare lead cat5 to PS2
189.01.0329	Unitech barcode wand with PS2 connector (C+E)
189.01.0129	Unitech barcode wand with USB connector (A+E)

Steel carrying cases for Fusion welders



A



B

Reference	Description
01-01-155	Steel case tall for Centaur, Connexion fusion welders image B
01-01-162	Steel case squat for Proxima series fusion welders Image A
01-01-403	Steel case squat for Pegasus & Pegasus Enfusion fusion welders

Electrofusion jointing tools

Uniprep series rotary scraping tools for polyethylene pipes

Uniprep 1 rotary scraping tool 90-400mm

Length of scrape 150mm

Depth of cut $0.25\text{mm} \pm 0.05\text{mm}$



Reference	Description
01-02-001	Uniprep 1 rotary scraping tool 90-400mm without steel toolbox
01-02-002	Uniprep 1 rotary scraping tool 90-400mm with steel toolbox
01-02-032	Toolbox only Uniprep 1 & 2
01-02-023	Replacement 4 sided scraping tip (tungsten carb) with fixing screw, mark 2
01-02-017	Replacement tip holder

Uniprep 2 rotary scraping tool 125-500mm

Length of scrape 180mm

Depth of cut $0.25\text{mm} \pm 0.05\text{mm}$



Reference	Description
01-03-001	Uniprep 2 rotary scraping tool 125-500mm without steel box
01-03-002	Uniprep 2 rotary scraping tool 125-500mm with steel toolbox
01-02-032	Toolbox only Uniprep 1 & 2
01-02-023	Replacement 4 sided scraping tip (tungsten carb) with fixing screw, mark 2
01-02-017	Replacement tip holder

Uniprep 4 rotary scraping tool 63-250mm

Length of scrape 130mm

Depth of cut 0.25mm ± 0.05mm



Reference	Description
01-05-002	Uniprep 4 rotary scraping tool 63-250mm with toolbox
01-02-030	Toolbox only Uniprep 4
01-02-023	Replacement 4 sided scraping tip (tungsten carb) with fixing screw, mark 2
01-02-017	Replacement tip holder

Uniprep 5 rotary scraping tool 450-710mm

Length of scrape 345mm

Depth of cut 0.25mm ± 0.05mm



Reference	Description
01-06-001	Uniprep 5 rotary scraping tool 450-710mm with toolbox
01-02-033	Toolbox only Uniprep 5
01-02-023	Replacement 4 sided scraping tip (tungsten carb) with fixing screw, mark 2
01-02-017	Replacement tip holder

Rotary hand scraping tools & accessories

Surprep rotary hand scraping tool kit (PT1E)

Depth of cut 0.25mm ± 0.05mm



Cutting tips **B** (large)

A (small)

Reference	Description
01-07-002	Surprep Pistol hand tool 20-90mm with scraping tip (PT1E)
01-07-024	Surprep pipe mandrel insert 20mm x 1.9mm wall thickness
01-07-025	Surprep pipe mandrel insert 20mm x 3.0mm wall thickness
01-07-026	Surprep pipe mandrel insert 25mm x 2.3mm wall thickness

01-07-027	Surprep pipe mandrel insert 25mm x 3.0mm wall thickness
01-07-028	Surprep pipe mandrel insert 32mm x 3.0mm wall thickness
01-07-029	Surprep pipe mandrel insert 40mm x 3.7mm wall thickness
01-07-030	Surprep pipe mandrel insert 50mm x 4.7mm wall thickness
01-07-031	Surprep pipe mandrel insert 63mm x 3.8mm wall thickness
01-07-032	Surprep pipe mandrel insert 63mm x 5.8mm wall thickness
01-07-033	Surprep pipe mandrel insert 75mm x 4.5mm wall thickness
01-07-034	Surprep pipe mandrel insert 75mm x 6.9mm wall thickness
01-07-035	Surprep pipe mandrel insert 90mm x 5.4mm wall thickness
01-07-036	Surprep pipe mandrel insert 90mm x 8.2mm wall thickness
01-07-040	Toolbox for Surprep kit with foam insert
01-07-042	Spare scraping tip single point large head (Image B)
01-07-043	Spare scraping tip single point small head (Image A)
01-07-053	Surprep pipe mandrel insert 50mm x 3.0mm wall thickness

Surprep Protectaline

Protective barrier removal tool



Reference	Description
01-07-070	Protectaline rotary hand tool for 32-110mm mandrills with scraping tip
01-07-072	Protectaline rotary hand tool for 125-180mm mandrills with scraping tip
01-07-073	Protectaline expanding mandrill 25mm
01-07-074	Protectaline expanding mandrill 32mm
01-07-075	Protectaline expanding mandrill 63mm
01-07-076	Protectaline expanding mandrill 90-110mm
01-07-077	Protectaline expanding mandrill 125mm
01-07-078	Protectaline expanding mandrill shells 125-160mm SDR 17, 4 pcs/set
01-07-079	Protectaline expanding mandrill shells 160-180mm SDR 17, 4 pcs/set
01-07-080	Protectaline spare scraping tip
01-07-081	Protectaline rotary scraping kit 90-110mm SDR17 in red toolbox
01-07-082	Protectaline rotary scraping kit 125,160 & 180mm SDR17 in blue toolbox

Profuse protective skin removal tool



Reference	Description
01-07-103	Profuse universal exposure tool only 180-630mm
01-07-104	Profuse universal exposure tool kit with strap & butt weld plate
01-07-111	Profuse small size plastic exposure tool up to 250mm
01-07-150	Profuse exposure tool butt weld plate
01-07-151	Profuse bead gauge for butt welded joints SDR21
01-07-044	Spare cutting blade universal

**Protectaline 2 large diameter protective barrier
Removal tool for pipe up to 355mm**



Reference	Description
01-07-251	Barrier removal scraping tool c/w mandrill & steel tool case
01-07-255	Barrier removal tool 225mm x SDR17 mandrill segments
01-07-256	Barrier removal tool 250mm x SDR17 mandrill segments
01-07-257	Barrier removal tool 280mm x SDR17 mandrill segments
01-07-258	Barrier removal tool 315mm x SDR17 mandrill segments
01-07-259	Barrier removal tool 355mm x SDR17 mandrill segments
01-07-260	Spare mandrill segment garter spring set 225mm
01-07-261	Spare mandrill segment garter spring set 250mm
01-07-262	Spare mandrill segment garter spring set 280mm
01-07-263	Spare mandrill segment garter spring set 315mm
01-07-264	Spare mandrill segment garter spring set 355mm
01-07-277	Barrier removal tool scraping tip
01-07-280	Barrier removal tool steel case

**Calderprep rotary hand scraping
tool for small size pipes**



Reference	Description
01-07-300	Calderprep hand scraping tool 20mm x 1.9mm wall thickness
01-07-301	Calderprep hand scraping tool 20mm x 3.0mm wall thickness
01-07-302	Calderprep hand scraping tool 20mm x SDR11 mm wall thickness
01-07-303	Calderprep hand scraping tool 25mm x 2.3mm wall thickness
01-07-304	Calderprep hand scraping tool 25mm x 3.0mm wall thickness
01-07-305	Calderprep hand scraping tool 25mm x SDR11 wall thickness
01-07-306	Calderprep hand scraping tool 32mm x 3.0mm wall thickness
01-07-307	Calderprep hand scraping tool 32mm x SDR11 wall thickness
01-07-308	Calderprep hand scraping tool 40mm x 3.7mm wall thickness
01-07-309	Calderprep hand scraping tool 50mm x 4.6mm wall thickness
01-07-310	Calderprep hand scraping tool 63mm x 5.8mm wall thickness
01-07-311	Calderprep mandrill insert only 20mm x 1.9mm wall thickness
01-07-312	Calderprep mandrill insert only 20mm x 3.0mm wall thickness
01-07-313	Calderprep mandrill insert only 25mm x 2.3mm wall thickness
01-07-314	Calderprep mandrill insert only 25mm x 3.0mm wall thickness
01-07-315	Calderprep mandrill insert only 32mm x 3.0mm wall thickness
01-07-316	Calderprep mandrill insert only 40mm x 3.7mm wall thickness
01-07-317	Calderprep mandrill insert only 50mm x 4.6mm wall thickness
01-07-318	Calderprep mandrill insert only 63mm x 5.8mm wall thickness
01-07-335	Calderprep hand scraping tool 40mm x 2.3mm wall thickness
01-07-356	Calderprep hand scraping tool 40mm x 2.4mm wall thickness
01-07-357	Calderprep hand scraping tool 50mm x 3.0mm wall thickness
01-07-358	Calderprep hand scraping tool 32mm x 1.8mm wall thickness
01-07-359	Calderprep hand scraping tool 32mm x 2.3mm wall thickness
01-07-391	Calderprep hand scraping tool 32mm x 2.5mm wall thickness

Power drive adapter for Calderprep & Calderprep plus



Description	Reference
Power drive adapter nylon for Calderprep & Calderprep plus	01-07-360
Power drive adapter aluminium for Calderprep & Calderprep plus	01-07-368

Calderprep plus rotary hand scraping

Tool for small pipes



Reference	Description
01-07-333	Calderprep plus rotary hand scraping tool only with cutting disc
01-07-320	Calderprep plus mandrill insert 20mm x 1.9mm wall thickness
01-07-321	Calderprep plus mandrill insert 20mm x 3.0mm wall thickness
01-07-322	Calderprep plus mandrill insert 20mm x SDR11 wall thickness
01-07-323	Calderprep plus mandrill insert 25mm x 2.3mm wall thickness
01-07-324	Calderprep plus mandrill insert 25mm x 3.0mm wall thickness
01-07-325	Calderprep plus mandrill insert 25mm x SDR11 wall thickness
01-07-326	Calderprep plus mandrill insert 32mm x 3.0mm wall thickness
01-07-327	Calderprep plus mandrill insert 40mm x 3.7mm wall thickness
01-07-328	Calderprep plus mandrill insert 50mm x 4.6mm wall thickness
01-07-329	Calderprep plus mandrill insert 63mm x 5.8mm wall thickness
01-07-330	Calderprep plus tool kit 20,25,32 & 63mm SDR11
01-07-331	Calderprep & Calderprep plus scraping disc
01-07-332	Calderprep plus tool case with foam insert
01-07-334	Calderprep 20 (1.9+3.0) 25 (2.3+3.0) 32 (3.0) 40 (3.7) 50 (4.6) 63 (3.8+5.8)
01-07-339	Calderprep plus mandrill insert 55mm x SDR11 wall thickness
01-07-340	Calderprep plus mandrill insert 1.0" NB
01-07-341	Calderprep plus mandrill insert 1¼" NB
01-07-350	Calderprep plus mandrill insert 20mm x SDR17 wall thickness
01-07-351	Calderprep plus mandrill insert 25mm x SDR17 wall thickness
01-07-352	Calderprep plus mandrill insert 32mm x SDR17 wall thickness
01-07-353	Calderprep plus mandrill insert 40mm x SDR17 (2.4mm) wall thickness
01-07-354	Calderprep plus mandrill insert 50mm x SDR17 wall thickness
01-07-355	Calderprep plus mandrill insert 63mm x SDR17 wall thickness
01-07-362	Calderprep plus mandrill insert 20mm x SDR13.6 wall thickness
01-07-363	Calderprep plus mandrill insert 25mm x SDR13.6 wall thickness
01-07-364	Calderprep plus mandrill insert 32mm x SDR13.6 wall thickness
01-07-365	Calderprep plus mandrill insert 40mm x SDR13.6 wall thickness
01-07-366	Calderprep plus mandrill insert 50mm x SDR13.6 wall thickness
01-07-367	Calderprep plus mandrill insert 63mm x SDR13.6 wall thickness
01-07-370	Calderprep tool kit 25,32,40,50 & 63mm SDR7 wall thickness
01-07-371	Calderprep plus mandrill insert 20mm x SDR7 wall thickness
01-07-372	Calderprep plus mandrill insert 25mm x SDR7 wall thickness
01-07-373	Calderprep plus mandrill insert 32mm x SDR7 wall thickness
01-07-374	Calderprep plus mandrill insert 40mm x SDR7 wall thickness
01-07-375	Calderprep plus mandrill insert 50mm x SDR7 wall thickness

01-07-376	Calderprep plus mandrill insert 63mm x SDR7 wall thickness
01-07-381	Calderprep plus mandrill insert 20mm x SDR9 wall thickness
01-07-382	Calderprep plus mandrill insert 25mm x SDR9 wall thickness
01-07-383	Calderprep plus mandrill insert 32mm x SDR9 wall thickness
01-07-384	Calderprep plus mandrill insert 40mm x SDR9 wall thickness
01-07-385	Calderprep plus mandrill insert 50mm x SDR9 wall thickness
01-07-386	Calderprep plus mandrill insert 63mm x SDR9 (7.1mm) wall thickness
01-07-390	Calderprep plus mandrill insert 32mm x 2.5mm wall thickness



Calderprep saddle branch outlet scraping tool



Reference	Description
01-07-601	Saddle branch outlet hand scraping tool 20mm x SDR11
01-07-602	Saddle branch outlet hand scraping tool 25mm x SDR11
01-07-603	Saddle branch outlet hand scraping tool 32mm x SDR11(3.0mm)
01-07-604	Saddle branch outlet hand scraping tool 40mm x SDR11 (3.7mm)
01-07-605	Saddle branch outlet hand scraping tool 50mm x SDR11 (4.6mm)
01-07-606	Saddle branch outlet hand scraping tool 63mm x SDR11 (5.8mm)
01-07-610	Saddle branch outlet hand scraping tool scraping tip

Calderprep scraping tool with power drive adapter



Reference	Description
01-07-701	Calderprep scraping tool with power drive adapter 20mm x SDR11
01-07-702	Calderprep scraping tool with power drive adapter 25 x 2.3mm SDR11
01-07-703	Calderprep scraping tool with power drive adapter 32 x 3.0mm SDR11
01-07-704	Calderprep scraping tool with power drive adapter 40 x 3.7mm SDR11
01-07-705	Calderprep scraping tool with power drive adapter 50 x 4.6mm SDR11
01-07-706	Calderprep scraping tool with power drive adapter 63 x 5.8mm SDR11

Basic hand scraping tool (Harris scraper)

None Caldervale product



Reference	Description
C53MJ001	Hand scraping tool 1½"/ 35mm
C53MJ002	Spare scraping blades, hand scraping tool 1½"/ 35mm (2 pack)
01-07-200	Hand scraping tool 2½"/ 63mm
01-05-201	Spare scraping blades, hand scraping tool 2½"/ 63mm (2 pack)

Branch saddle window patch scraping tools

Branch saddle window patch scraping

Tool Number 1 (patch size 200 x 150mm)



Reference	Description
01-18-001	Patch scraping tool No 1, 200 x 150mm with tool case (no chains.)
01-18-003	Spare tool case for No 1 patch scraper
01-03-005	Chain set (2 pcs,) length 300mm
01-18-006	Chain set (2 pcs,) length 650mm with joiner link for pipe sizes 75-180mm
01-18-007	Chain set (2 pcs,) length 1000mm for pipe sizes 125-315mm
01-18-008	Chain extension single length 300mm
01-18-009	Chain extension single length 650mm
01-18-010	Chain extension single length 1000mm

Branch saddle window patch scraping

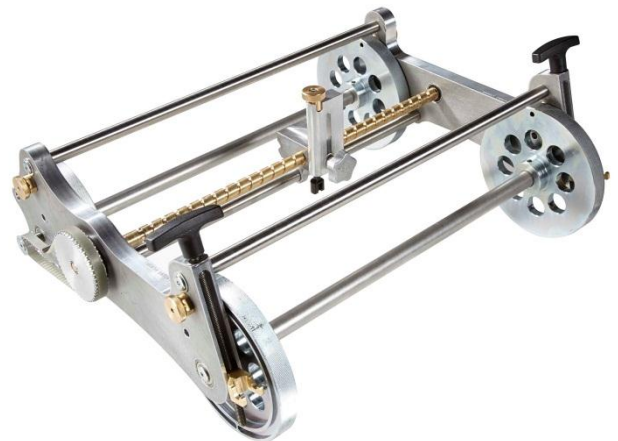
**Tool Number 2 (double patch size 200 x 150mm
& 250 x 280mm.)**



Reference	Description
01-18-002	Double patch scraping tool 200 x 150mm & 250 x 280mm with tool case
01-18-004	Spare tool case for double patch scraping tool

Branch saddle window patch scraping tool

Tool Number 3 double patch size 500 x 450mm



Reference	Description
01-18-011	Large patch scraping tool 500 x 450mm with tool case, without chains
01-18-012	Spare tool case for large patch scraper
01-18-013	Chain set (2 pcs) 1600mm (up to 500mm.)
01-18-014	Chain set (2 pcs) 2000mm (up to 630mm.)
01-18-015	Single length of chain 1600mm (up to 500mm.)
01-18-016	Single length of chain 2000mm (up to 630mm.)

Butt weld bead removal tools

Butt weld external bead removal tool 90-400mm

(External de beading tool.)



Reference	Description
06-20-454	External bead removal tool 90-400mm
01-07-513	Cutting blade for 90-400mm external bead removal tool

External butt weld bead removal tool 63-125mm



Reference	Description
01-07-520	External bead removal tool 63-125mm
01-07-521	Cutting blade for 63-125mm external bead removal tool

External butt weld bead removal tool 355-630mm



Reference	Description
01-07-504	External bead removal tool 355-630mm
01-07-505	Cutting blade for 355-630mm external bead removal tool



External butt weld bead removal tool

500-900 mm, will remove bead width up

To 40mm

Reference	Description
01-07-525	External bead removal tool 630-900mm
01-07-526	Cutting blade for butt weld bead up to 40mm

Internal butt weld bead removal tool 90-500mm

(Internal de beading tool.)



Reference	Description
01-07-530	Internal bead removal tool kit 90-500mm complete
01-07-535	Internal bead removal tool rod set 7m x 1.8m with carrying bag
01-07-536	Internal bead removal tool head kit No 1 (90-110mm)
01-07-537	Internal bead removal tool head kit No. 2 (125, 140 & 160mm)
01-07-538	Internal bead removal tool head kit No. 3 (160, 180 & 200mm)
01-07-539	Internal bead removal tool head kit No. 4 (225, 250, 280 & 315mm)
01-07-540	Internal bead removal tool head kit No. 5 (355, 400, 450 & 500mm)
01-07-541	Internal bead removal tool replacement cutting blade head kit No 1
01-07-542	Internal bead removal tool replacement cutting blade head kit No 2 & 3
01-07-543	Internal bead removal tool replacement cutting blade head kit No 4 & 5

Pipe re rounding & reforming tools.

Nutcracker pattern single size re rounding tools



Reference	Description
01-08-001	Nutcracker type re rounding tool 20mm
01-08-002	Nutcracker type re rounding tool 25mm
01-08-003	Nutcracker type re rounding tool 32mm
01-08-004	Nutcracker type re rounding tool 40mm
01-08-005	Nutcracker type re rounding tool 50mm
01-08-027	Nutcracker type re rounding tool 55mm

Nutcracker pattern multi size re rounding tool



Reference	Description
01-08-034	Nutcracker multi size re rounding tool 16-32mm

Hinged collar re rounding tools



A



B

Reference	Description
01-08-006	Hinged collar re rounding tool type A with 2 handles 63mm
01-08-007	Hinged collar re rounding tool type A with 2 handles 75mm
01-08-008	Hinged collar re rounding tool type B with 2 handles 90mm
01-08-009	Hinged collar re rounding tool type B with 2 handles 110mm
01-08-010	Hinged collar re rounding tool type B with 2 handles 125mm
01-08-011	Hinged collar re rounding tool type B with 2 handles 140mm
01-08-012	Hinged collar re rounding tool type B with 2 handles 160mm
01-08-013	Hinged collar re rounding tool type B with 2 handles 180mm

Split collar re rounding tools with ratchet spanner



Reference	Description
01-08-014	Split collar re rounding clamp with ratchet spanner 200mm
01-08-015	Split collar re rounding clamp with ratchet spanner 225mm
01-08-016	Split collar re rounding clamp with ratchet spanner 250mm

Steel split collar re rounding clamps with ratchet spanner

2 segment mechanically operated

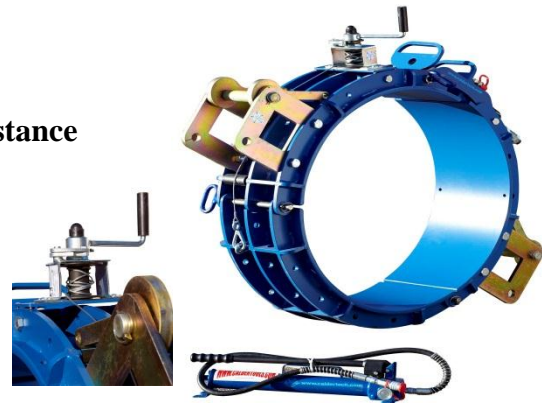


Reference	Description
01-08-020	Steel split collar re rounding clamp with ratchet spanner 315mm
01-08-024	Steel split collar re rounding clamp with ratchet spanner 355mm
01-08-028	Steel split collar re rounding clamp with ratchet spanner 280mm
01-08-029	Steel split collar re rounding clamp with ratchet spanner 400mm

3 Segment re rounding clamp with hydraulic assistance

Including hydraulic pump

800mm model shown to illustrate control winch



Reference	Description
01-08-100	Hydraulic re rounding clamp with pump 400mm
01-08-103	Hydraulic re rounding clamp with pump 500mm
01-08-106	Hydraulic re rounding clamp with pump 630mm
01-08-111	Hydraulic re rounding clamp with pump 710mm
01-08-112	Hydraulic re rounding clamp with pump and winch 800mm
01-08-113	Hydraulic re rounding clamp with pump and winch 900mm
01-08-114	Hydraulic re rounding clamp with pump and winch 1000mm

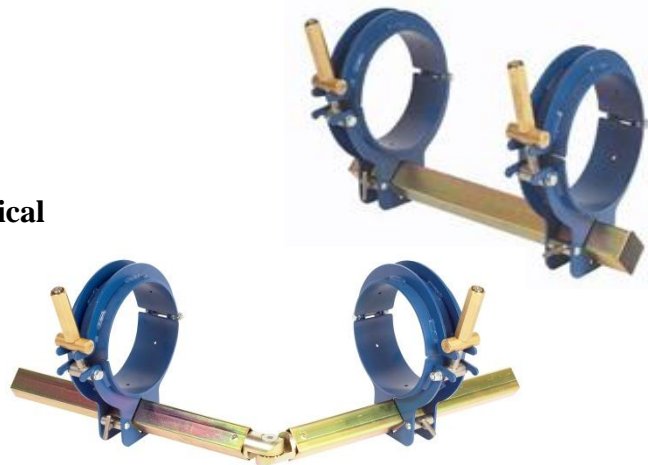
Steel reducing shell kits for 2 segments mechanical and 3 segments hydraulically powered re rounding clamps.



Reference	Description
01-08-030	2 segments reducing shell kit for mechanical re rounder 400 > 355mm
01-08-036	2 segments reducing shell kit for mechanical re rounder 400 > 315mm
01-08-038	2 segments reducing shell kit for mechanical re rounder 355 > 315mm
01-08-039	2 segments reducing shell kit for mechanical re rounder 315 > 280mm
01-08-101	3 segments reducing shell kit for hydraulic re rounder 400 > 355mm
01-08-102	3 segments reducing shell kit for hydraulic re rounder 400 > 315mm
01-08-104	3 segments reducing shell kit for hydraulic re rounder 500 > 450mm
01-08-105	3 segments reducing shell kit for hydraulic re rounder 500 > 400mm
01-08-107	3 segments reducing shell kit for hydraulic re rounder 630 > 560mm
01-08-108	3 segments reducing shell kit for hydraulic re rounder 630 > 500mm
01-08-110	3 segments reducing shell kit for hydraulic re rounder 710 > 630mm

Positioning kits

Large diameter positioning kits mechanical



Reference	Description
01-08-025	Mechanical positioning kit 355mm straight base
01-08-033	Mechanical positioning kit 315mm straight base
01-08-035	Mechanical positioning kit 400mm straight base
01-08-037	Mechanical positioning kit 280mm straight base
01-08-040	Mechanical positioning kit 315mm angle maker base

**Large diameter positioning kit hydraulic assisted
with 2 hydraulic pumps**

**(800mm positioning kit shown with manually operated
control winches.)**



Reference	Description
01-08-200	Hydraulic positioning kit with 2 pumps 400 x 400mm
01-08-300	Hydraulic positioning kit with 2 pumps 500 x 500mm
01-08-400	Hydraulic positioning kit with 2 pumps 630 x 630mm
01-08-500	Hydraulic positioning kit with 2 pumps 710 x 710mm
01-08-600	Hydraulic positioning kit with 2 pumps & winches 800 x 800mm
01-08-700	Hydraulic positioning kit with 2 pumps & winches 900 x 900mm
01-08-800	Hydraulic positioning kit with 2 pumps & winches 1000 x 1000mm

Post squeeze off pipe re rounding clamp

**Post squeeze off re rounding
tools**



Reference	Description
01-08-055	Post squeeze off tool with tensioner assembly 63mm
01-08-056	Post squeeze off tool with tensioner assembly 75mm
01-08-057	Post squeeze off tool with tensioner assembly 90mm
01-08-058	Post squeeze off tool with tensioner assembly 110mm
01-08-059	Post squeeze off tool with tensioner assembly 125mm
01-08-060	Post squeeze off tool with tensioner assembly 140mm
01-08-061	Post squeeze off tool with tensioner assembly 160mm
01-08-062	Post squeeze off tool with tensioner assembly 180mm
01-08-065	Post squeeze off tool only 63mm
01-08-066	Post squeeze off tool only 75mm

Reference	Description
01-08-067	Post squeeze off tool only 90mm
01-08-068	Post squeeze off tool only 110mm
01-08-069	Post squeeze off tool only 125mm
01-08-070	Post squeeze off tool only 140mm
01-08-071	Post squeeze off tool only 160mm
01-08-072	Post squeeze off tool only 180mm
01-08-073	Post squeeze off tool tensioner assembly only for 63, 75, 90, & 110mm
01-08-074	Post squeeze off tool tensioner assembly only for 125, 140, 160 & 180mm
01-08-075	Post squeeze off tool swing bolt only 63, 75, 90 & 110mm
01-08-076	Post squeeze off tool trunion only 63, 75, 90 & 110mm
01-08-077	Post squeeze off tool locking nut 63, 75, 90 & 110mm
01-08-078	Post squeeze off tool swing bolt only 125, 140, 160 & 180mm
01-08-079	Post squeeze off tool trunion only 125, 140, 160 & 180mm
01-08-080	Post squeeze off tool locking nut 125, 140, 160 & 180mm

Restraining & positioning clamps

**Vulcathene pattern positioning clamp with plastic
Reducing inserts 16-32mm**



Reference	Description
53MK0003	Vulcathene mini clamp with plastic inserts 16-32mm
C9010695	Spare set of plastic reducing inserts 25mm black (4 pcs.)
C9010932	Spare set of plastic reducing inserts 20mm white (4 pcs.)
C9010943	Spare set of plastic reducing inserts 16mm red (4 pcs.)

**Superclamp straight multi size positioning clamp
for any size combination from 20mm to 63mm**



Reference	Description
01-08-116	Superclamp for straight & reducing couplers 20,25,32,40,50 & 63mm
01-10-130	Superclamp for straight & reducing couplers ½" CTS-1.0"IPS

Superclamp universal multi size positioning clamp



Reference	Description
01-08-117	Superclamp universal for straight & elbow couplers 20-63mm

Saddle branch outlet positioner kit
extra thin jaws for gripping short
saddle lateral branches, for use
on straight, reduced and angle
connections.



Reference	Description
01-10-205	Saddle branch connection clamp kit (straight/elbow) 16, 20, 25 & 32mm
01-10-206	Saddle branch connection clamp kit (multi body) 90° 20, 25 & 32mm
01-10-211	Saddle branch connection clamp with socket wrench
01-10-212	Saddle branch connection clamp kit plastic case with foam insert
01-10-213	Saddle branch connection clamp kit 16mm jaw set 90° 4 pcs
01-10-214	Saddle branch connection clamp kit 20mm jaw set 90° 4 pcs
01-10-215	Saddle branch connection clamp kit 25mm jaw set 90° 4 pcs
01-10-216	Saddle branch connection clamp kit 32mm jaw set 90° 4 pcs
01-10-217	Saddle branch connection clamp kit 16mm jaw set, straight, 4 pcs.
01-10-218	Saddle branch connection clamp kit 20mm jaw set, straight, 4 pcs.
01-10-219	Saddle branch connection clamp kit 25mm jaw set, straight, 4 pcs.
01-10-220	Saddle branch connection clamp kit 32mm jaw set, straight, 4 pcs.
01-10-251	Saddle branch connection clamp with 63mm jaws aluminium
01-10-252	Saddle branch connection clamp with 63mm jaws plastic
01-10-256	Saddle branch connection clamp kit 63mm plastic case with foam insert
01-10-260	Saddle branch connection clamp kit 63mm jaw set 90° 4 pcs
01-10-261	Saddle branch connection clamp kit 63mm jaw set, straight, 4 pcs.
01-10-262	Saddle branch connection clamp kit 55mm jaw set 90° 4 pcs
01-10-263	Saddle branch connection clamp kit 55mm jaw set, straight, 4 pcs.
01-10-264	Saddle branch connection clamp kit 50mm jaw set 90° 4 pcs
01-10-265	Saddle branch connection clamp kit 50mm jaw set, straight, 4 pcs.
01-10-266	Saddle branch connection clamp kit 40mm jaw set 90° 4 pcs
01-10-267	Saddle branch connection clamp kit 40mm jaw set, straight, 4 pcs.
01-10-270	Saddle branch connection clamp kit (straight/elbow) 40, 50, 55 & 63mm

Mini, midi & maxi clamp

with detachable jaws



	Description
01-10-100	Mini clamp tool with detachable jaws 16 x 20mm & 25 x 32mm
01-10-001	Mini clamp tool with detachable jaws 20 x 32mm only
01-10-002	Mini clamp tool with detachable jaws 25 x 32mm only
01-10-003	Mini clamp jawset only (4 pcs,) 25 x 32mm
01-10-004	Mini clamp jawset only (4 pcs,) 25 x 16mm
01-10-005	Mini clamp jawset only (4 pcs,) 20 x 32mm
01-10-006	Mini clamp jawset only (4 pcs,) 20 x 16mm
01-10-010	Mini clamp body block only
01-10-101	Midi clamp 20, 25 32 & 63mm U.K. jawset
01-10-102	Maxi clamp jawset only 25 x 20mm (4 pcs.)
01-10-103	Maxi clamp jawset only 32 x 20mm (4 pcs.)
01-10-104	Maxi clamp jawset only 32 x 25mm (4 pcs.)
01-10-105	Maxi clamp jawset only 40 x 32mm (4 pcs.)
01-10-106	Maxi clamp jawset only 50 x 32mm (4 pcs.)
01-10-107	Maxi clamp jawset only 50 x 40mm (4 pcs.)
01-10-108	Maxi clamp jawset only 63 x 32mm (4 pcs.)
01-10-109	Maxi clamp jawset only 63 x 40mm (4 pcs.)
01-10-110	Maxi clamp jawset only 63 x 50mm (4 pcs.)
01-10-111	Maxi clamp body only
01-10-112	Maxi clamp jawset only 75 x 55mm (4 pcs.)
01-10-113	Maxi clamp tool with detachable jaws 75 x 55mm
01-10-114	Maxi clamp jawset only 55 x 40mm (4 pcs.)
01-10-115	Maxi clamp tool with detachable jaws 20, 25, 32, 40, 50 & 63mm
01-110-117	Maxi clamp jawset only 63 x 90mm (4 pcs.)
01-10-118	Maxi clamp jawset only 125 x 110mm (4 pcs.)

Magiclamp multi size positioning clamp 20-63mm

with automatically centring jaws shown in

optional 3 way configuration with angle maker



Reference	Description
01-17-001	Magiclamp positioner 20-63mm 2 way with angle maker base
01-17-002	Magiclamp positioner 20-63mm 3 way with angle maker base
01-17-003	3 way adapter kit only
01-17-004	Magiclamp positioner 20-63mm 2 way with straight base
01-17-005	Magiclamp positioner jaw set only
01-17-006	Magiclamp positioner 2 way double jaw set extra long base
01-17-007	Magiclamp positioner 3 way adapter, jaw set & branch leg
01-17-008	Magiclamp positioner straight base only
01-17-010	Magiclamp straight base only

Simple double ended straight positioning clamp



Reference	Description
01-11-001	Simple double ended clamp 20 x 20mm
01-11-002	Simple double ended clamp 25 x 25mm
01-11-003	Simple double ended clamp 32 x 32mm
01-11-004	Simple double ended clamp 40 x 40mm
01-11-005	Simple double ended clamp 50 x 50mm
01-11-006	Simple double ended clamp 63 x 63mm

Simple elbow positioning clamp



Reference	Description
01-14-001	Simple elbow positioning clamp 20,25 & 32mm
01-14-002	Simple elbow positioning clamp 20,25, 32 & 63mm

Superclamp pattern mega positioning tool



Reference	Description
53MB0101	Maxi positioning clamp 63, 75, 90, 110 & 125mm
53MB0401	Maxi positioning clamp 160,180 & 200mm

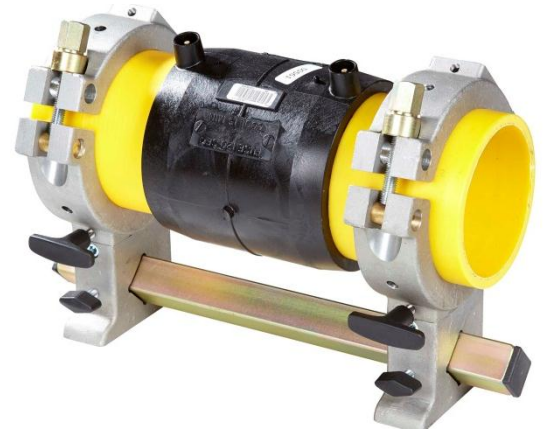
Joint master multi size positioning clamp

shown in 2 & 3 way configuration



Reference	Description
01-09-001	Joint master canvas carrying bag
01-09-002	Joint master positioning clamp 63-180mm 3 way branch leg 750mm
01-09-003	Joint master positioning clamp 2 way straight base
01-09-004	Joint master positioning clamp 63-180mm with 500mm angle maker
01-09-005	Joint master positioning clamp 63-180mm with 750mm angle maker
01-09-006	Joint master positioning clamp 63-180mm 3 way 500mm branch tee
01-09-007	Joint master positioning clamp 63-180mm 3 way 750mm branch tee
01-09-009	Joint master positioning clamp 63-180mm spare Jaw set complete
01-09-010	Joint master positioning clamp 63-180mm tee branch adapter 500mm
01-09-011	Joint master positioning clamp 63-180mm jaw set & branch tee only
01-09-012	Joint master positioning clamp 63-180mm tee adapter 750mm

Spacemaker positioning clamp 63-125mm
for inline & angle connections where access is limited
excellent re rounding capability, recommended for
use in narrow trench applications.
Does not require angle maker.



Reference	Description
01-15-200	Spacemaker clamp 63-125mm without reducing shells in bag



Self tapping saddle cutter drive keys

Reference	Description
06-20-401	Cutter drive key 12mm
06-20-440	Cutter drive key 12mm x 1/2" ratchet drive
06-20-457	Cutter drive key 17mm for Georg Fischer fittings
06-20-508	Cutter drive key 8mm x 170mm long
06-20-513	Cutter drive key 10mm square x 100mm long
06-20-514	Cutter drive key 3/8" x 1/2" drive
01-20-520	Cutter drive key 8mm x 200mm long

Mains positioning clamp with plastic shells

For 2 & 3 way connections 63-180mm

Clamp has excellent pipe re rounding ability



Reference	Description
01-15-001	Mains restraining clamp 63-180mm straight base
01-15-002	Mains restraining clamp 63-180mm angle maker base
01-15-003	Angle maker base only 63-180mm
01-15-004	Mains clamp additional plastic shell set (4 pcs.) 180-125mm
01-15-005	Mains clamp additional plastic shell set (4 pcs.) 125-90mm
01-15-006	Mains clamp additional plastic shell set (4 pcs.) 125-63mm
01-15-007	Mains clamp additional plastic shell set (4 pcs.) 180-160mm
01-15-008	Mains clamp additional plastic shell set (4 pcs.) 180-140mm
01-15-009	Mains clamp additional plastic shell set (4 pcs.) 180-110mm
01-15-010	Mains clamp aluminium pipe holding ring only without shells
01-15-011	Mains clamp aluminium pipe holding ring only with shells
01-15-012	Mains restraining clamp 2 to 3 way adapter kit with shells
01-15-013	Mains restraining clamp 63-180mm 3 way complete
01-15-014	Mains restraining clamp 250mm straight base with ratchet spanner
01-15-015	Mains restraining clamp 63-180mm with double pipe rings for curved pipe no shells
01-15-016	Mains clamp additional plastic shell set (4 pcs.) 125-75mm
01-15-017	Mains restraining clamp 250mm 3 way without shells
01-15-018	Mains restraining clamp angle maker base only 250mm
01-15-019	Angle fixing lock wing nut for angle maker
01-15-020	Mains restraining clamp 3 way 63-110-125-160 & 180mm with wood case
01-15-021	Mains restraining clamp 75-110-125-160 & 180mm straight
01-15-022	Mains restr. clamp (double) 90-110-160 & 180 angle mkr. & straight base
01-15-023	Mains restraining clamp 63-180mm angle maker, saw & sawing guide
01-15-024	Mains restraining clamp double 110mm straight base 90-180mm shells
01-15-025	Mains restr. Clamp (double) 1500mm angle maker 90-180mm shells
01-15-026	Mains restraining clamp 250mm angle maker no shells PAGE 39
01-15-027	Mains restraining clamp 63-180mm straight base, saw & sawing guide
01-15-028	Mains restraining clamp Tee branch adapter 500mm diamond
01-15-029	Mains restraining clamp straight base only
01-15-030	Mains restraining clamp 90-110-125-160 & 180mm straight base
01-15-031	Mains restraining clamp 63-110-125-160 & 180mm angle maker & bag
01-15-034	Mains restraining clamp tee adapter 750mm diamond only
01-15-035	Mains rest. clamp 250mm aluminium shells 250-200mm (4 pcs.) PAGE 41
01-15-036	Mains rest. clamp 250mm aluminium shells 250-225mm (4 pcs.) PAGE 41
01-15-037	Mains clamp 1/2 set plastic shell set (2 pcs.) 125-63mm

01-15-038	Mains clamp 63-180mm ½ set plastic shell set (2 pcs.) 125-75mm
01-15-039	Mains clamp 63-180mm ½ set plastic shell set (2 pcs.) 125-90mm
01-15-040	Mains clamp 63-180mm ½ set plastic shell set (2 pcs.) 125-90mm
Reference	Description
01-15-041	Mains clamp 63-180mm ½ set plastic shell set (2 pcs.) 180-110mm
01-15-042	Mains clamp 63-180mm ½ set plastic shell set (2 pcs.) 180-140mm
01-15-043	Mains clamp 63-180mm ½ set plastic shell set (2 pcs.) 180-160mm
01-15-044	Mains clamp 250mm ½ set aluminium shells (2 pcs.) 250-200mm PAGE 41
01-15-045	Mains clamp 250mm ½ set aluminium shells (2 pcs.) 250-225mm PAGE 41
01-15-046	Mains clamp 250mm ½ set aluminium shells (2 pcs.) 250-180mm PAGE 41
01-15-047	Mains clamp 250mm ½ set aluminium shells (2 pcs.) 250-160mm PAGE 41
01-15-048	Mains clamp 250mm ½ set aluminium shells (2 pcs.) 250-110mm PAGE 41
01-15-049	Mains restraining clamp 250mm (double)straight base, no shells
01-15-050	Mains restraining clamp 250mm wooden box
01-15-051	Mains restraining clamp 250mm (double) angle maker base
01-15-054	Mains restraining clamp 63-180mm 3 way with saw & sawing guide
01-15-055	Mains restraining clamp (double) angle maker 63-90-125 & 180mm shells
01-15-056	Mains restraining clamp 63-180mm straight base no reducing liners
01-15-057	Mains restraining clamp 63-180mm angle maker base no reducing liners
01-15-058	Mains restraining clamp 63-180mm 3 way no reducing liners
01-15-071	Mains restraining clamp 63-180mm 1½ shell set (6 pcs.) 125-63mm
01-15-072	Mains restraining clamp 63-180mm 1½ shell set (6 pcs.) 125-75mm
01-15-073	Mains restraining clamp 63-180mm 1½ shell set (6 pcs.) 125-90mm
01-15-074	Mains restraining clamp 63-180mm 1½ shell set (6 pcs.) 180-110mm
01-15-075	Mains restraining clamp 63-180mm 1½ shell set (6 pcs.) 180-125mm
01-15-076	Mains restraining clamp 63-180mm 1½ shell set (6 pcs.) 180-140mm
01-15-077	Mains restraining clamp 63-180mm 1½ shell set (6 pcs.) 180-160mm
01-16-109	Mains restraining clamp 63-180mm sawing guide & saw

Mains restraining clamp 63-200mm for

2 & 3 way connections



Reference	Description
01-15-101	Mains restraining clamp 63-200mm straight base no reducing shells
01-15-102	Mains restraining clamp 63-200mm angle maker base no reducing shells
01-15-103	Mains restraining clamp 63-200mm 3 way no reducing shells
01-15-106	Mains restraining clamp 63-200mm (double) straight base
01-15-107	Mains restr. clamp 63-200mm (double) angle maker no reducing shells
01-15-108	Mains clamp 63-200mm (double) 3 way no reducing shells
01-15-110	Mains restraining clamp 63-200mm shell set 200-180mm (4 pcs.)
01-15-111	Mains clamp 63-200mm ½ set plastic shell set (2 pcs.) 200-180mm

**Mains restraining clamp 200-250mm for
2 & 3 way connections
See P37/38**



Example of double clamp (4 pipe rings.)



**K pattern 63-250mm clamps
With webbing strap & ratchet
in 2 & 3 way configuration
with reducing plates & sawing guide**



Reference	Description
01-16-001	K pattern clamp with webbing straps 63-250mm straight base
01-16-002	K pattern clamp with webbing straps 63-250mm angle maker base
01-16-003	K pattern clamp with webbing straps 63-250mm 3 way
01-16-004	K pattern clamp with webbing straps 63-250mm 3 way adapter kit only
01-16-005	K pattern clamp 63-250mm additional pipe carriage complete
01-16-006	K pattern clamp with webbing stp 63-250mm 3 way boxed with saw guide
01-16-010	K pattern clamp with webbing straps 63-250mm sawing guide & saw
01-16-107	K pattern clamp with webbing straps 63-250mm reducing plates

K pattern 125-500mm clamps
With webbing strap & ratchet
in 2 & 3 way configuration
with reducing plates & sawing guide

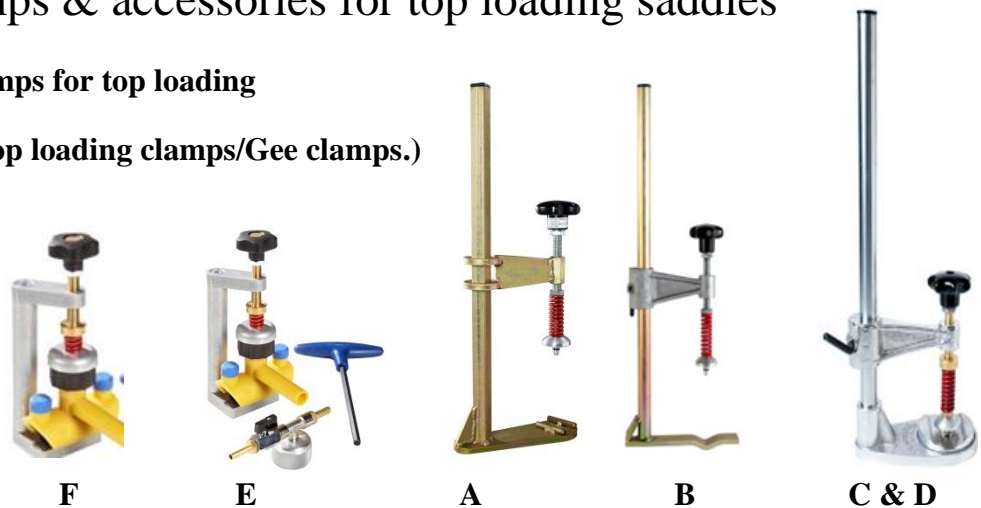


Reference	Description
01-16-100	K pattern clamp 125-500mm additional pipe carriage complete
01-16-101	K pattern clamp with webbing straps 125-500mm 2 way straight base
01-16-102	K pattern clamp with webbing straps 125-500mm 2 way angle maker base
01-16-103	K pattern clamp with webbing straps 125-500mm 3 way complete
01-16-104	K pattern clamp with webbing straps 125-500mm 3 way adapter kit
01-16-105	K pattern clamp with webbing straps 125-500mm reducing plates (pair)
01-16-106	K pattern clamp with webbing straps 125-500mm angle maker only
01-16-108	K pattern clamp with webbing straps 125-500mm sawing guide & saw
01-16-110	K pattern clamp with webbing straps 125-500mm tee branch leg only

Pressure clamps & accessories for top loading saddles

Pillar pressure clamps for top loading

tapping saddles (top loading clamps/Gee clamps.)



Reference	Description
01-12-001	Top loading pillar clamp 63-250mm (C)
01-12-002	Top loading pillar clamp 63-400mm (D)
01-12-005	Top loading pillar clamp kick under 63-250mm (B)
01-12-007	Top loading pillar clamp swivel kick under 63-250mm (A)
01-12-004	Elgev pattern miniature pillar clamp 40mm (F)
01-12-008	Kimplas pressure clamp for 32mm tapping saddles (E)

**Top loading pressure clamp, webbing strap mounted
for fitting top loaded tapping saddles in confined spaces**



Reference	Description
01-13-001	Top loading webbing strap clamp 500mm
01-13-002	Spare webbing strap 500mm
01-13-004	Top loading webbing strap clamp 630mm
01-13-003	Spare webbing strap 630mm

Adapter feet for branch saddles



Reference	Description
01-12-020	Top loading clamp adapter foot 63 x 90mm
01-12-021	Top loading clamp adapter foot 63 x 90 x 125mm

Polyethylene pipe squeezing off tools

Pocket size squeeze tools 20-32mm & 20-42mm



Reference	Description
02-31-001	Pocket size squeeze off tool without buffer stops 0-42mm (image B)
01-31-002	Mini squeeze off tool without buffer stops 0-32mm (image A)
01-31-003	Mini size squeeze off tool with wing nuts 20-32mm
01-31-006	Pocket size squeeze tool IPCO type (bright zinc plate, stainless tommy bar)
01-31-007	Pocket size squeeze tool IPCO type (bright zinc plate, hexagon nut.)
01-31-008	Pocket size squeeze tool IPCO type (bright zinc plate, 20mm T bar)

Heavy duty double loop squeeze tool with buffer stop plates



Reference	Description
02-31-004	Heavy duty double loop squeeze tool 16, 20, 25 & 32mm

Heavy duty double loop squeeze tool with buffer stop plates

Colour may vary from example shown



Reference	Description
02-31-101	Heavy duty double loop squeeze tool (U.K. plates) 20, 25, 32 & 63mm
02-31-201	Heavy duty double loop squeeze tool 20, 32, 40, 50 & 63mm
02-31-202	Heavy duty double loop squeeze tool 20, 25, 32, 40, 50 & 63mm SDR11
02-31-204	Heavy duty double loop squeeze tool 20, 25, 32, 40, 50 & 63mm SDR17

Heavy duty double loop squeeze tool with buffer stop plates & bottom bar retaining chain, Colour might vary from example shown



Reference	Description
02-31-203	H. duty squeeze tool, bottom bar chain 20-63mm 3/4"-2" SDR11
02-31-205	H. duty squeeze tool, bottom bar chain,20, 25, 32, 40, 50 & 63 SDR11
02-31-206	H. duty squeeze tool, bottom bar chain,20, 25, 32, 40, 50 & 63 SDR17

Super heavy duty squeeze tool with buffer stop plates, stainless steel feedscrew, removable tommy bar, hexagon ratchet drive



Reference	Description
02-31-401	Super squeeze tool double loop 20,32,40,50 & 63mm SDR11
02-31-402	Super squeeze tool double loop 20,32,40,50 & 63mm SDR17
02-31-501	Super squeeze tool double loop U.K. buffer plate 20,25,32 & 63mm
02-31-502	Super squeeze tool double loop, buffer stops 20, 25, 32, 40, 50 & 63mm

**Heavy duty double loop squeeze tool with buffer stop plates
63-125mm SDR17, 63-110mm SDR11 (2012 pattern.)**



Reference	Description
02-31-801	H. duty double loop squeeze tool 63, 90, 110 SDR11 & 125mm SDR 17.6
02-31-803	H. duty double loop squeeze tool 63, 75, 90, 110, 125mm SDR21
02-31-804	H. duty double loop squeeze tool 63, 75, 90, 110, 125mm SDR17

Iron Man Hydraulically assisted A pattern squeeze tool
With 63-125mm SDR11 & 17 buffer plates, separate hydraulic pump



Reference	Description
02-31-810	Iron man squeeze tool with pump 63, 75, 90, 110, 125mm SDR11
02-31-811	Iron man squeeze tool with pump 63-125mm SDR11, 63-125mm SDR17.6
02-31-812	Iron man squeeze tool hydraulic pump only
02-31-815	Iron man squeeze tool with pump 63-125mm SDR17
02-31-820	Iron man squeeze tool with pump 63-125mm SDR 11 & 17.6

Heavy duty double loop hydraulically assisted squeeze tool
63-180mm with 15 tonne Weber jack, removable bottom squeeze bar, stop pins, external retractor springs



Reference	Description
02-31-601	Squeeze tool Weber jack, U.K plates 63,90, 125 & 180mm SDR11/17
02-31-602	Squeeze tool Weber jack 63,90,110,125,140,160 & 180mm SDR 11/17
02-31-603	Squeeze tool Weber jack 2,3,4 & 6" IPS plates
02-31-604	Squeeze tool Weber jack, 63,90,110,125,140,160 & 180mm SDR11
02-31-605	Squeeze tool Weber jack, 63,90,110,125,140,160 & 180mm SDR17
02-31-625	Spare jack operating handle 3 pce tubular
02-31-627	Spare buffer stop plate 63,90,110,125,140,160 & 180mm SDR17 (1 only)
02-31-628	Spare buffer stop plate 63,90,110,125,140,160 & 180mm SDR11 (1 only)
02-31-629	Spare buffer stop plate U.K. 63,90,125 & 180mm SDR11/17

Heavy duty double loop hydraulically assisted squeeze tool
75-200mm with 15 tonne Home jack, removable bottom squeeze
bar, stop pins, external retractor springs



Reference	Description
02-31-650	Squeeze tool, Home jack 75,90,110,125,140,160,180 & 200mm SDR11
02-31-651	Squeeze tool, Home jack 75,90,110,125,140,160,180 & 200mm SDR17
02-31-652	Squeeze tool, Home jack 75,90,110,125,140,160,180 & 200mm SDR11/17
02-31-654	Squeeze tool, Home jack U.K. plate 63,75,90,,125,,180 & 200mm SDR11/17

Heavy duty A frame double loop hydraulic
squeeze tool 160-250mm, double bottom squeeze bar, anti roll
pins, external retractor springs, stop pins, 25 Tonne Nike jack



Reference	Description
02-31-701	Squeeze tool, hydraulic power 160, 180, 200, 225 & 250mm SDR11/17
02-31-702	Squeeze tool, hydraulic power 160, 180, 200, 225 & 250mm SDR11/17/26
02-31-710	Spare jack operating handle with M8 socket key 160-250mm tool
02-31-711	Spare bottom bar (with groove.)160-250mm squeeze tool
02-31-712	Spare bottom bar (without groove.)160-250mm squeeze tool
02-31-713	Spare top squeeze bar 160-250mm squeeze tool
02-31-714	Spare buffer stop plate 160-250mm SDR17 (each)
02-31-715	Spare buffer stop plate 160-250mm SDR11 (each)

Reference	Description
02-31-716	Spare leak check lock pin with plastic clip (each)
02-31-717	Spare M20 safety screwed longthread (each.)
02-31-718	Spare Nike 25 tonne jack control valve
02-31-720	Spare jack safety lock collar
02-31-721	Spare lifting handle with plastic grip
02-31-722	Spare 25 tonne hydraulic jack pre drilled
02-31-723	Spare external retractor spring (each.)
02-31-724	Spare frame loop leg with lifting handle.
02-31-725	Spare anti roll pin for upper bottom bar.

Hydraulically powered double pillar squeeze tool

With double lift jack 250-315mm. Fully dismantable

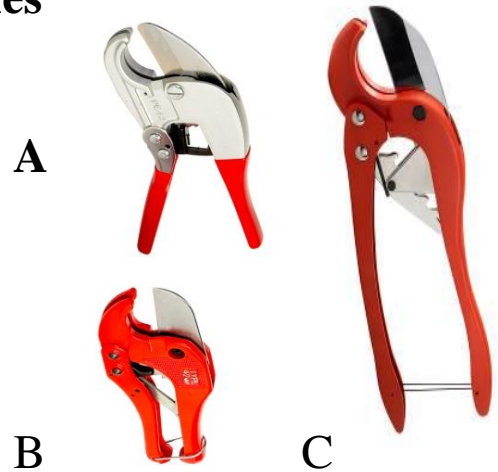
For ease of transportation, supplied without buffer stop cylinders



Reference	Description
02-31-901	Squeeze tool 250-315mm dismantable, without buffer stops
02-31-902	Set of safety buffer stops (2 pieces,) 250mm x SDR11
02-31-903	Set of safety buffer stops (2 pieces,) 280mm x SDR11
02-31-904	Set of safety buffer stops (2 pieces,) 315mm x SDR11
02-31-905	Set of safety buffer stops (2 pieces,) 250mm x SDR17
02-31-906	Set of safety buffer stops (2 pieces,) 280mm x SDR17
02-31-907	Set of safety buffer stops (2 pieces,) 315mm x SDR17
02-31-908	Jack spacer 315mm SDR11/17
02-31-909	Jack spacer 200/225/250mm SDR11/17

Pipe cutting tools, spares & accessories

Hand shears for plastic pipes for polyethylene, pvc,
Polypropylene, not for cutting lead pipe, steel or iron
Pipe, electric cables



Reference	Description
04-61-201	Hand pipe shears 42mm standard type(B)
04-61-202	Hand pipe shears 63mm standard type (C)
04-61-203	Hand pipe shears 42mm high quality coated handles(A)
04-61-204	Hand pipe shears 42mm with coated handles not shown
04-61-206	Spare blade for 42mm high quality shears.
04-61-220	Hand pipe shears 63mm with coated handles not shown
04-61-221	Spare blade for 63mm cutter.

Calder hinged pipe cutting tool with cutter wheel
And cutter wheel axle pin for
ductile iron, Cast iron & steel



Reference	Description
06-61-213	Hinged pipe cutter CTL 2½"- 4"
06-61-214	Hinged pipe cutter CTL 4"- 6"
06-61-215	Hinged pipe cutter CTL 6" – 8"
06-61-216	Hinged pipe cutter CTL 8" – 12"
05-14-012	Replacement cutter wheel universal CTL½"- 2½"
05-14-013	Replacement cutter wheel universal CTL2½"- 4"
05-14-014	Replacement cutter wheel universal CTL 4" – 12"
05-14-016	Replacement cutter wheel axle pin CTL ½"- 4"
05-14-017	Replacement cutter wheel axle pin CTL 4" – 12"

Virax Guillotine pipe cutter (non Caldervale product.)



Reference	Description
04-61-207	Virax Guillotine cutter 125mm
04-61-208	Replacement guillotine blade Virax 125mm cutter
04-61-209	Replacement guillotine blade, Virax 225mm cutter
04-61-210	Virax Guillotine cutter 225mm
04-61-211	Virax Guillotine cutter 315mm
04-61-213	Replacement guillotine blade, Virax 315mm cutter

Pipe external diameter callipers, (stainless steel.)



Reference	Description
04-61-001	External pipe calliper heavy duty 12"/300mm
04-61-002	External pipe calliper heavy duty 24"/600mm
04-61-003	External pipe calliper heavy duty 36"/1000mm
04-61-004	External pipe calliper heavy duty 48"/1200mm
04-61-005	External calliper light duty 12"/300mm
04-61-006	External calliper light duty 6"/150mm
04-61-007	External pipe calliper heavy duty 60"/1600mm

Pre fusion weld alcohol impregnated wipes,
 dimension of wipe 300 x 280mm, quantity 150 pcs/tub
 wipes contain iso propyl alcohol/water



Reference	Description
06-20-410	Tub of pre weld alcohol wipes 70% iso propyl alcohol/30% water
06-20-475	Tub of pre weld alcohol wipes 90% iso propyl alcohol/10% water

Venturi jet drainer for draining water filled excavations
 requires compressed air supply.



Reference	Description
03-48-007	Venturi jet excavation drainer

Pipe rollers.

Layflat variable height pipe rollers medium size for
Polyethylene Pipe up to 355mm



Reference	Description
53MY001	Pipe roller, layflat type up to 355mm

Layflat pipe rollers for polyethylene pipe
400-710mm



Reference	Description
04-70-063	Pipe roller, layflat type 400-710mm

Variable height pipe roller 355-710mm



Reference	Description
53MY002	Variable height pipe roller 355-710mm

Pipe towing heads, adapters & accessories.

Conical towing adapters for small pipes 20-32mm



Reference	Description
04-73-001	Conical towing adapter 20-32mm threaded connector for metric thread
04-73-002	Conical towing adapter 20-32mm bayonet connector for mole hose
04-73-020	Conical towing adapter 20-32mm shackle connector for towing cable eye

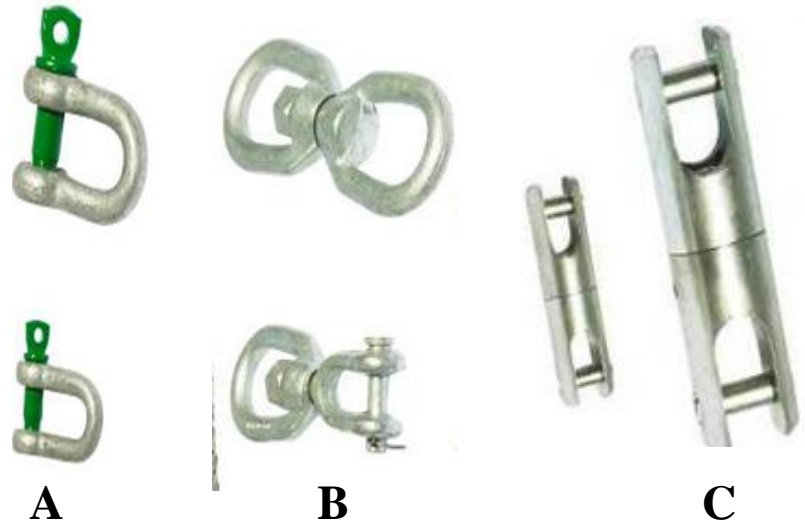
Pipe internal expanding towing head



Reference	Description
04-73-003	Internal expanding towing head 55mm SDR11/17
04-73-004	Internal expanding towing head 63mm SDR11/17/21
04-73-005	Internal expanding towing head 75mm SDR11/17
04-73-006	Internal expanding towing head 90mm SDR11/17/21
04-73-007	Internal expanding towing head 110mm SDR11/17
04-73-008	Internal expanding towing head 125mm SDR11/17/21
04-73-009	Internal expanding towing head 140mm SDR11/17
04-73-010	Internal expanding towing head 160mm SDR11/17
04-73-011	Internal expanding towing head 180mm SDR11/17
04-73-012	Internal expanding towing head 200mm SDR11/17
04-73-013	Internal expanding towing head 213mm SDR11/17
04-73-014	Internal expanding towing head 225mm SDR11/17
04-73-015	Internal expanding towing head 250mm SDR11/17
04-73-016	Internal expanding towing head 40mm SDR11/17
04-73-017	Internal expanding towing head 50mm SDR11/17
04-73-018	Internal expanding towing head 200mm SDR11/17
04-73-034	Internal expanding towing head 400mm SDR17.6

04-73-035	Internal expanding towing head 450mm SDR11
04-73-036	Internal expanding towing head 25mm SDR11/17
04-73-037	Internal expanding towing head 32mm SDR11/17
04-73-038	Internal expanding towing head 315mm SDR11/17
04-73-039	Internal expanding towing head 250mm SDR21
04-73-040	Internal expanding towing head 280mm SDR21
04-73-041	Internal expanding towing head 355mm SDR11/17
04-73-042	Internal expanding towing head 280mm SDR11/17
04-73-043	Internal expanding towing head 213mm SDR26
04-73-044	Internal expanding towing head 315mm SDR21/26
04-73-056	Internal expanding towing head mud tight 32mm SDR11/17
04-73-057	Internal expanding towing head mud tight 90mm SDR11/17
04-73-058	Internal expanding towing head mud tight 110mm SDR11/17
04-73-059	Internal expanding towing head mud tight 125mm SDR11/17
04-73-062	Internal expanding towing head mud tight 180mm SDR11/17
04-73-090	Spare O ring set for internal expanding towing head 63mm
04-73-091	Spare O ring set for internal expanding towing head 75mm
04-73-092	Spare O ring set for internal expanding towing head 90mm
04-73-093	Spare O ring set for internal expanding towing head 110mm
04-73-094	Spare O ring set for internal expanding towing head 125mm
04-73-097	Spare O ring set for internal expanding towing head 180mm
04-73-098	Spare O ring set for internal expanding towing head 140mm
04-73-099	Spare O ring set for internal expanding towing head 250mm
04-73-150	Fabricated towing end cap steel 4"
04-73-151	Fabricated towing end cap steel 6"
04-73-152	Fabricated towing end cap steel 8"
04-73-153	Fabricated towing end cap steel 10"

Towing shackles & swivels



Reference	Description
04-74-010	Dee shackle with blue pin 1/4 inch (0.5 ton.) A image
04-74-011	Dee shackle with blue pin 3/8 inch (1.0 ton.) A image
04-74-012	Dee shackle with blue pin 7/16 inch (1.5 ton.) A image
04-74-013	Dee shackle with blue pin 1/2 inch (2.0 ton.) A image
04-74-014	Dee shackle with blue pin 5/8 inch (3.25 ton.) A image
04-74-017	Dee shackle 10mm commercial untested A image
04-74-018	Dee shackle 12mm commercial untested A image
04-74-019	Dee shackle with blue pin 5/16 inch (0.75 ton.) A image
04-74-021	Dee shackle blue pin 3/4 inch (4.75 ton) A image
04-74-022	Dee shackle blue pin 7/8 inch (6.5 ton) A image
04-74-029	Swivel eye to eye 6.0mm (0.4 ton) B upper image.
04-74-030	Swivel eye to eye 8.0mm (0.5 ton) B upper image
04-74-031	Swivel eye to eye 10.0mm (1.0 ton) B upper image
04-74-032	Swivel eye to eye 12.0mm (1.6 ton) B upper image
04-74-033	Swivel eye to eye 16.0mm (2.4 ton) B upper image
04-74-035	Swivel eye to jaw 8mm (0.5 ton) B lower image
04-74-036	Swivel eye to jaw 10mm (1.0 ton) B lower image
04-74-037	Swivel eye to jaw 13mm (1.6 ton) B lower image
04-74-038	Swivel eye to jaw 16mm (2.4 ton) B lower image
07-01-011	Cable roller swivel link 2.0 ton tested C image
07-01-012	Cable roller swivel link 5.0 ton tested C image

Towing stockings (finger puzzles)



Reference	Description
04-72-001	Towing stocking single eye 6-13mm S1
04-72-002	Towing stocking single eye 13-19mm SE2
04-72-003	Towing stocking single eye 19-25mm SE3
04-72-004	Towing stocking single eye 25-38mm SE4
04-72-005	Towing stocking single eye 38-50mm SE5
04-72-006	Towing stocking single eye 50-63mm SE6
04-72-007	Towing stocking single eye 63-89mm SE7
04-72-008	Towing stocking single eye 89-115mm SE8
04-72-009	Towing stocking single eye 110-135mm S9

Iron pipe bursting wedges



Reference	Description
05-13-408	Bursting wedge 5/8 pattern colour blue
05-13-409	Bursting wedge cast steel 6" (15.0 cms) colour black
05-13-410	Bursting wedge heavy pattern 2" x 9" (5.0 x 24.0 cms) colour blue
05-13-411	Bursting wedge cast steel 8" (20.0 cms) colour black
05-13-412	Bursting wedge cast steel 10" (25 cms) colour black
05-13-413	Bursting wedge 10" (25 cms) grooved colour red

Water distribution specific tools



Water valve operating keys

Reference	Description
03-42-101	Steel valve key and operating bar single ended 42" (110 cms)
03-42-102	Steel valve key and operating bar double ended 42" x 1 ³ / ₈ " & 1 ¹ / ₄ "
03-42-103	Steel valve key and bar (carbon steel)
03-42-104	Aluminium hydrant valve key & bar length 42" (110 cms)
03-42-105	Aluminium hydrant valve key & bar length 60" (150 cms)
03-42-106	Steel valve key & bar double ended 48" x 1 ³ / ₈ " & 1 ¹ / ₄ "
03-42-107	Steel valve key & bar double ended low eye
03-42-108	Steel valve key & bar double ended low eye 40mm x 50mm
03-42-109	Steel valve key & bar double ended 48" x 2" & 1 ¹ / ₂ "
03-42-110	Steel valve key & bar single ended 60"
03-42-111	Steel valve key & bar double ended 60" x 2" & 1 ¹ / ₂ "
03-42-120	Steel spare operating bar 1" diameter x 36" long
03-42-121	Aluminium spare operating bar for 03-42-104
03-42-122	Steel spare operating bar 7/8" diameter x 30" long



Valve spindle false tops

Reference	Description
03-42-051	Valve spindle false top 1 ¹ / ₄ " x 3/4" (19mm) 20-1
03-42-052	Valve spindle false top 1 ¹ / ₄ " x 7/8" (23mm) 20-3
03-42-053	Valve spindle false top 1 ¹ / ₄ " x 1" (25mm) 21-1
03-42-054	Valve spindle false top 1 ¹ / ₄ " x 1 ¹ / ₈ " (28mm) 22-1
03-42-055	Valve spindle false top 1 ¹ / ₄ " x 1 ¹ / ₄ " (31mm) 22-2
03-42-056	Valve spindle false top 1 ¹ / ₄ " x 2" (50mm) 50-3
03-42-057	Valve spindle false top 1 ¹ / ₄ " x 1 ¹ / ₂ " (40mm)

Valve spindle extension pins



300mm valves

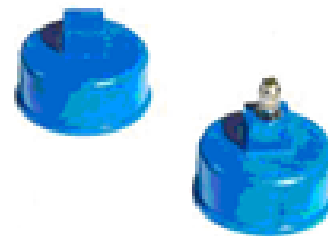
600mm valves

Reference	Description	Reference	Description
03-42-001	Extension spindle 6"	03-42-017	Extension spindle 12"
03-42-002	Extension spindle 9"	03-42-018	Extension spindle 15"
03-42-003	Extension spindle 12"	03-42-019	Extension spindle 18"
03-42-004	Extension spindle 15"	03-42-020	Extension spindle 21"
03-42-005	Extension spindle 18"	03-42-021	Extension spindle 24"
03-42-006	Extension spindle 21"	03-42-022	Extension spindle 27"
03-42-007	Extension spindle 24"	03-42-023	Extension spindle 30"
03-42-008	Extension spindle 27"	03-42-024	Extension spindle 33"
03-42-009	Extension spindle 30"	03-42-025	Extension spindle 36"
03-42-010	Extension spindle 33"	03-42-026	Extension spindle 39"
03-42-011	Extension spindle 36"	03-42-027	Extension spindle 42"
03-42-012	Extension spindle 39"	03-42-028	Extension spindle 45"
03-42-013	Extension spindle 42"	03-42-029	Extension spindle 48"
03-42-014	Extension spindle 45"	03-42-033	Extension spindle 9 "
03-42-015	Extension spindle 48"	03-42-039	Extension spindle m/f ends
03-42-016	Extension spindle 60"		
03-42-030	Extension spindle 28"		
03-42-031	Extension spindle 1.4 metre		
03-42-032	Extension spindle 10 foot		
03-42-034	Extension spindle 72"		
03-42-035	Extension spindle 4"		
03-42-036	Extension spindle 76"		
03-42-037	Extension spindle 78"		
03-42-038	Extension spindle m/f ends		



Fire hydrant standpipes with/without non return valves

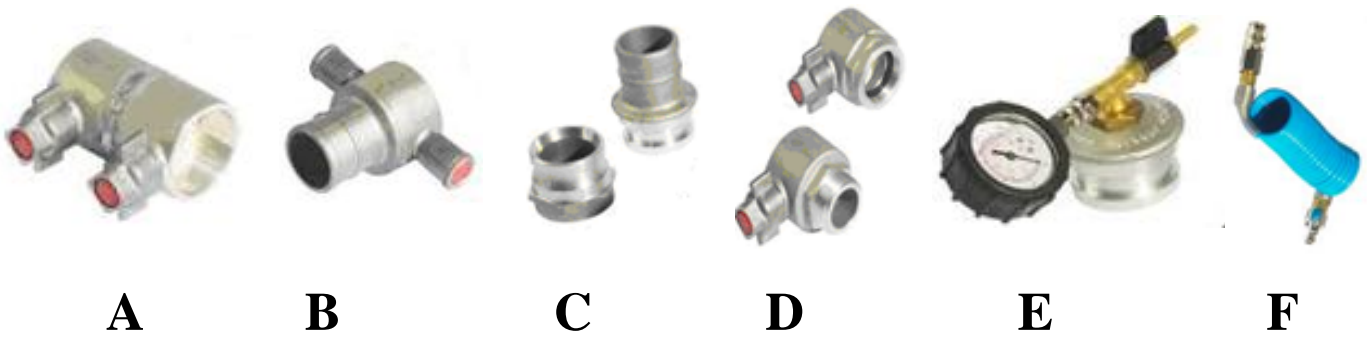
Reference	Description
03-46-001	Hydrant standpipe 2½" single swivel head
03-46-002	Hydrant standpipe 2½" single swivel head with non-return valve
03-46-003	Hydrant standpipe 2½" double swivel head
03-46-004	Hydrant standpipe 2½" double swivel head with non-return valve
03-46-035	Hydrant standpipe 2½" with non-return valve, sample point & bag
03-46-050	Hydrant standpipe 2½" with non-return valve, flowmeter & guard
03-46-052	Lockable guard for hydrant standpipe
03-46-038	Bag for hydrant standpipe
03-46-039	Hydrant sample tap assembly ¼" BSP



Hydrant Caps

Reference	Description
03-46-005	Hydrant 2½" blanking cap London round thread
03-46-006	Hydrant blanking cap London round thread with test point
03-46-031	Hydrant 2½" blanking cap London round thread tapped ¾" BSP
03-46-032	Hydrant 2½" blanking cap London round thread tapped 1" BSP

2½" Fire hydrant hoses & hose couplers



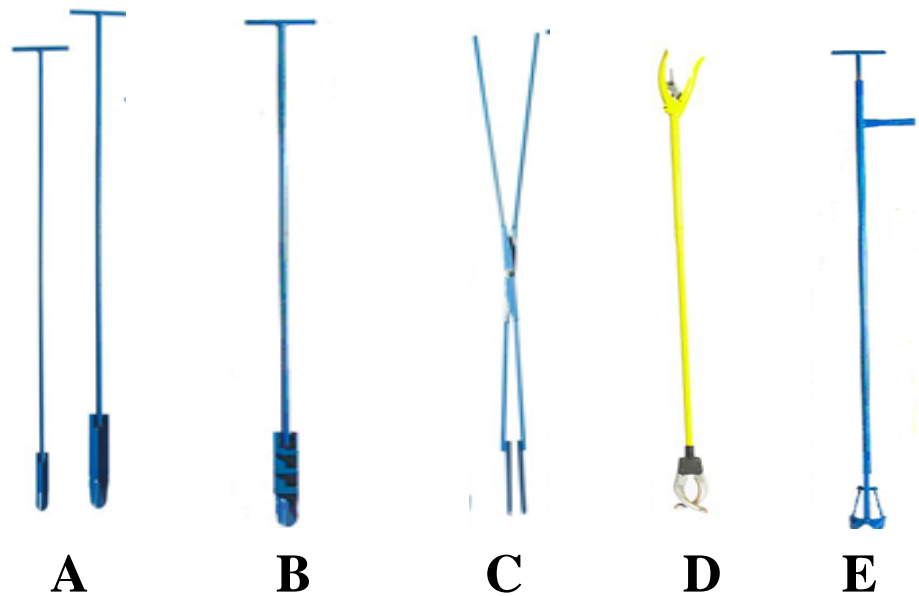
Reference	Description
03-46-007	Hydrant static test assembly, image E
03-46-008	2½" Instantaneous plug with tapped hole ½" BSP
03-46-009	2½" Instantaneous plug with tapped hole ¾" BSP
03-46-010	2½" Instantaneous hose coupler male-male
03-46-011	2½" Instantaneous hose coupler female-female, image A
03-46-012	2½" Instantaneous male x 2½" hose tail, image C
03-46-016	Helicoil hose, image F
03-46-017	Conical seal ring 2½" hydrant standpipe top
01-46-018	Flat seal ring 2½" hydrant standpipe base (London round thread.)
03-46-019	2½" Instantaneous male x 2" BSP male
03-46-020	2½" Instantaneous male x 2" BSP female, image C
03-46-021	2½" Instantaneous female x 2" BSP male, image D
03-46-022	2½" Instantaneous female x 2" BSP female, image D
03-46-023	2½" Instantaneous hydrant plug with coupler & purge point, Image E
03-46-042	2½" Instantaneous female x 2½" hose tail, image B



03-46-013	2½" Layflat PVC hose (per metre.) image A
03-46-014	2½" Layflat reinforced fire hose (per metre.) image B
03-46-015	Pair of hose couplers wire wrapped to 03-46-012
03-46-027	2½" Layflat rein. fire hose with m & f instant. couplers 25m. white image B
03-46-028	2½" Layflat rein. fire hose with m & f instant. couplers 10m. white image B
03-46-029	2½" Layflat rein. fire hose with m & f instant. couplers 5m. white image B
03-46-030	2½" Layflat rein. fire hose with m & m instant. couplers 5m. white image B
03-46-033	2½" Aquaflex hose with m & f instant. couplers 20m blue image C
03-46-034	2½" Aquaflex hose with m & f instant. couplers 50m blue image C

03-46-036	2½" Aquaflex hose with m & f instant. couplers 92m blue image C
03-46-037	2½" Aquaflex hose with m & f instant. couplers 32m blue image C
03-46-040	2½" Reinforced layflat hose with m & f instantaneous 20m white
03-46-041	2½" Aquaflex potable water (per metre.)
03-46-043	2½" Aquaflex hose with m & f instant coupler 5m blue, image C
03-46-044	2½" Aquaflex hose with m & f instant coupler 10m blue, image C
03-46-045	2½" Aquaflex hose with m & f instant coupler 15m blue, image C
03-46-046	2½" Aquaflex hose with m & f instant coupler 25m blue, image C
03-46-048	2½" Aquaflex hose with m & f instant coupler 3m blue, image C

Cleaning tools



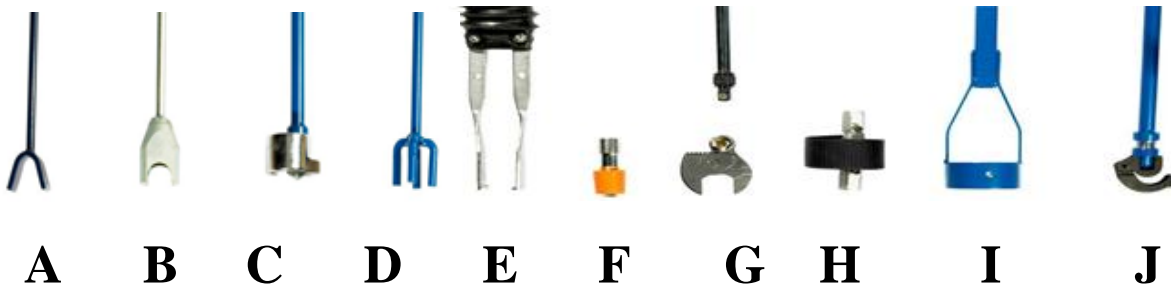
Reference	Description
03-44-001	Gulley cleaning tongs wide square plate type image C
03-44-002	Gulley cleaning spoon (sampling spoon) no image
03-44-003	Gulley cleaning scoop standard image A
03-44-004	Gulley cleaning scoop narrow image A
03-44-005	Gulley cleaning tongs narrow point plate type image C
03-44-016	Litter picker C jaw type 1 metre long image D
03-44-017	Bailing bowl no image
03-44-018	Gulley cleaning grab (gulley bunce,) 5 ft x 3½" spherical bowl image E
03-44-019	Litter picker C jaw type 1½ metre long image D
03-44-020	Gulley cleaning grab (gulley bunce,) 1.0 m. x 3½" spherical bowl image E

Pry bars



Reference	Description
06-20-432	Pry bar 16mm square shank with blue handle
06-20-433	Set of 3 pry bars
06-20-434	Set of 5 pry bars

Domestic remote stop tap & service keys



Reference	Description
03-40-001	Stop tap remote operating key 2 prong, not shown.
03-40-003	Stop tap remote operating key 4 prong crossed U type image D
03-40-004	Stop tap remote operating key solid tunnel type image A
03-40-006	Stop tap remote operating key 3 in 1 type image B
03-40-007	Stop tap remote operating key "H" type Aplast box lid key, not shown
03-40-008	Stop tap remote operating key PE box type 32mm valve, not shown
03-40-009	Stop tap key head, tapered claw type, not shown
03-40-020	Stop tap remote operating key heavy duty single U 2 prong, not shown
03-40-021	Stop tap remote operating key heavy duty crossed U 4 prong, image D
03-40-050	Stop tap body removal claw type key ½" drive, image J
03-40-051	Stop tap extension spindle operating key ½" drive, image C
03-40-052	Stop tap extension crossed U 4 prong ½" drive, ass image D
03-40-053	Stop tap MWM concentric adapter removal key, ½" drive, not shown
03-40-054	Key ½" drive self-locking x 6" T-bar, not shown
03-40-055	Boundary box commissioning tool (circular boss) ½" drive
03-40-056	Stop tap 3 in 1 multi key with ½" drive, similar to image B
03-40-057	Stop tap extension Single U, 2 prong with ½" drive, not shown
03-40-058	Boundary box commissioning tool 32mm slotted socket, ½" drive
03-40-059	Stop tap key "H" type Aplas box lid key ½" drive, not shown.
03-40-060	Gulley/stop tap kit x ½" drive, not shown.
03-40-101	Stop tap remote body removal claw key, image J
03-40-102	Stop tap lost crutch, spindle operating key, image C
03-40-103	Stop tap remote operating key, 2 prong 20mm, not shown
03-40-104	Self adjusting foot with ½" drive, image G
03-40-105	Stop tap body temporary tapered plug, body size ½", image F
03-40-106	Stop tap body temporary tapered plug, body size ¾", image F
03-40-107	Stop tap body temporary tapered plug, body size 1", image F
03-40-108	Stop tap body removal replacement claw key only, image J
03-40-109	Stop tap remote headgear replacement tool, image E
03-40-110	Stop tap security head cover, not shown
03-40-111	Stop tap remote headgear replacement key, light pattern, not shown.

Flooded chamber draining pumps/Gas syphon draining pump



Reference	Description
03-48-006	Caldertech gas district syphon draining pump 1" BSP, image A
03-48-010	Portable 12volt battery pack for submersible pumps, image G
03-48-002	Submersible 12 volt mini pump for draining boundary box, image F
03-48-004	Submersible 12 volt pump with hose for draining chambers, image B
03-48-009	Spare hose for 12 volt submersible pump
03-48-012	Draper submersible pump 110 volt, not shown
03-45-003	Hog manual chamber draining pump 3ft x 3" with 1½" outlet image D
03-45-004	Hog manual chamber draining pump 4ft x 2" with 1½" outlet image D
03-45-005	Hog manual chamber draining pump 5ft x 2" with 1½" outlet image D
03-45-006	Hog manual chamber draining pump 3ft x 1½" with ¾" outlet image D
03-45-008	Hog manual chamber draining pump 4ft x 3" with 1½" outlet image D
03-45-007	Manual diaphragm chamber draining pump with footplate, image C

Manually operated pressure testing pumps



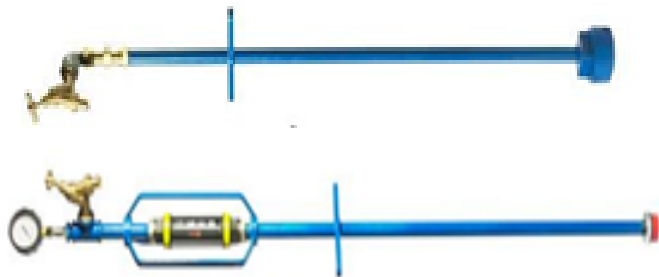
Reference	Description
03-48-005	Rothenberger manual pressure test pump 10 litre tank x 60 bar
03-48-008	Caldervale manual pressure test pump 10 litre tank x 60 bar

Chamber lid & Floor grid lifting keys



Reference	Description
03-43-001	Box lid lifter 6" standard duty black
03-43-003	Box lid lifter loop handle 6" standard duty hammerite finish
03-43-005	Floor grid lifter loop handle 12" standard duty hammerite finish
03-43-009	Floor grid lifter T handle 12" pointed end standard duty hammerite finish
03-43-011	Floor grid lifter loop handle 12" reduced shank V point hammerite finish
03-43-014	Floor grid lifter loop handle 18" reduced shank V point hammerite finish
03-43-020	Floor grid lifter T handle 24" reduced shank V point hammerite finish
03-43-023	Floor grid lifter loop handle 24" reduced shank V point hammerite finish
03-43-028	Floor grid lifter loop handle 24" standard duty hammerite finish
03-43-030	Floor grid lifter T handle 12" flat end, 5/8" dia heavy duty, hammerite finish
03-43-032	Floor grid lift T handle 24" flat end, 5/8" dia heavy duty, hammerite finish
03-43-034	Floor grid lift loop handle 18" flat end, 5/8" dia heavy duty, hammerite finish
03-43-035	Floor grid lift loop handle 24" flat end, 5/8" dia heavy duty, hammerite finish
03-43-036	Floor grid lifter T handle 12" reduced shank V point hammerite finish
03-43-037	Floor grid lifter T handle 18" reduced shank V point hammerite finish
03-43-044	Floor grid lifter loop handle 27" small flat end

Contractors stand pipes



Reference	Description
03-47-003	Single contractors standpipe 3/4" with non-return valve & MSM base
03-47-004	Boundary box standpipe MSM base & 50 litre/min flowmeter
03-47-005	Single cont. standpipe, MSM base, double NRV, series 21 fitting w/o gauge
03-47-010	Single contractors standpipe 3/4" with MSM base
03-47-011	Single contractors standpipe 3/4" with double non-return valve
03-47-012	Double contractors standpipe 3/4" with double non return valve
03-47-018	Single contractors standpipe 1" with non-return valve

Pipe scraping & Cleaning

Drag scrapers & plungers



Reference	Description	Reference	Description
06-50-012	Bolt on drag scraper 4"	06-50-121	Non artic. Plunger assembly 3"
06-50-101	Clamped drag scraper 3"	06-50-122	Non artic. Plunger assembly 4"
06-50-102	Clamped drag scraper 4"	06-50-123	Non artic. Plunger assembly 5"
06-50-103	Clamped drag scraper 5"	06-50-124	Non artic. Plunger assembly 6"
06-50-104	Clamped drag scraper 6"	06-50-125	Non artic. Plunger assembly 7"
06-50-105	Bolt on drag scraper 7"	06-50-126	Non artic. Plunger assembly 8"
06-50-106	Bolt on drag scraper 8"	06-50-127	Non artic. Plunger assembly 9"
06-50-107	Bolt on drag scraper 9"	06-50-128	Non artic. Plunger assembly 10"
06-50-108	Bolt on drag scraper 10"	06-50-129	Non artic. Plunger assembly 12"
06-50-109	Bolt on drag scraper 12"	06-50-132	Non artic. Plunger assembly 16"
06-50-110	Bolt on drag scraper 6"	06-50-135	Non artic. Plunger assembly 20"
06-50-111	Bolt on drag scraper 5"	06-50-136	Non artic. Plunger assembly 14"
06-50-112	Spare blade 4" clamped	06-50-141	Plunger spare rubber 3"
06-50-113	Spare blade 4" bolt on	06-50-142	Plunger spare rubber 4"
06-50-114	Spare blade 3" bolt on	06-50-143	Plunger spare rubber 6"
06-50-115	Bolt on drag scraper 20"	06-50-144	Plunger spare rubber 8"
06-50-116	Bolt on drag scraper 14"	06-50-145	Plunger spare rubber 10"
		06-50-146	Plunger spare rubber 12"
		06-50-150	Articulated plunger Assembly 3"
		06-50-151	Articulated plunger Assembly 4"
		06-50-152	Articulated plunger Assembly 6"

Foam pipe swabs

& expanding stoppers



Reference	Description	Reference	Description
04-71-111	Foam swabbing pig 18" sealed	04-70-027	Expanding stopper ¾"
04-71-200	Foam swabbing pig 2" sealed	04-70-028	Expanding stopper 1"
04-71-201	Foam swabbing pig 3" sealed	04-70-029	Expanding stopper 1¼"
04-71-202	Foam swabbing pig 4" sealed	04-70-030	Expanding stopper 1½"
04-71-203	Foam swabbing pig 5" sealed	04-70-031	Expanding stopper 2"
04-71-204	Foam swabbing pig 6" sealed	04-70-032	Expanding stopper 2½"
04-71-205	Foam swabbing pig 7" sealed	04-70-033	Expanding stopper 3"
04-71-206	Foam swabbing pig 8" sealed	04-70-034	Expanding stopper 4"
04-71-207	Foam swabbing pig 9" sealed	04-70-035	Expanding stopper 5"
04-71-208	Foam swabbing pig 10" sealed	04-70-036	Expanding stopper 6"
04-71-209	Foam swabbing pig 12" sealed	04-70-037	Expanding stopper 7"
04-71-210	Foam swabbing pig 14" sealed	04-70-038	Expanding stopper 8"
04-71-211	Foam swabbing pig 16" sealed	04-70-039	Expanding stopper 9"
04-71-212	Foam swabbing pig 13" sealed	04-70-040	Expanding stopper 10"
04-71-213	Foam swabbing pig 17" sealed	04-70-041	Expand stopper 11" Aluminium
04-71-215	Foam swabbing pig 19" sealed	04-70-042	Expanding stopper 12"
04-71-216	Foam swabbing pig 20" sealed	04-70-043	Expand stopper 13" Aluminium
04-71-217	Foam swabbing pig 21" sealed	04-70-044	Expanding stopper 14"
04-71-218	Foam swabbing pig 24" sealed	04-70-045	Expanding stopper 15"
04-71-220	Fm pig 115mm sealed true dia	04-70-046	Expanding stopper 16"
04-71-221	Fm pig 165mm sealed true dia	04-70-048	Expanding stopper 18"
04-71-222	Fm pig 230mm sealed true dia	04-70-049	Expand stopper 9" Aluminium
04-71-223	Fm pig 85mm sealed true dia	04-70-050	Expand stopper 20" Aluminium
04-71-224	Foam swabbing pig 11" sealed	04-70-051	Expand stopper 24" multi-lock
04-71-225	Fm pig 60mm sealed true dia	04-70-052	Expand stopper 22" multi-lock
04-71-226	Fm pig 205mm sealed true dia	04-70-053	Expand stopper 750mm-30"m.lock
04-71-227	Fm pig 285mm sealed true dia	04-70-054	Expand stopper 900mm-36"m.lock
04-71-228	Fm pig 320mm sealed true dia	04-70-055	Expanding stopper 6" nylon
04-71-301	Wire brush pig 3"	04-70-056	Expanding stopper 4" nylon
04-71-302	Wire brush pig 4"	04-70-057	Expanding stopper 3½"
04-71-303	Wire brush pig 6"	04-70-058	Expanding stopper 4½"
04-71-304	Wire brush pig 9"	04-70-059	Expand stopper 4" Aluminium
04-71-305	Wire brush pig 8"	04-70-060	Expand stopper 18" Aluminium
04-71-306	Wire brush pig 12"	04-70-061	Expand stopper 27" multi-lock
		04-70-062	Expand stopper 32" multi-lock

Gas distribution specific products.

Inflatable gas bag stoppers &

Inflation pumps



Reference	Description
04-70-001	Inflatable gas bag stopper 2"
04-70-002	Inflatable gas bag stopper 3"
04-70-003	Inflatable gas bag stopper 4"
04-70-004	Inflatable gas bag stopper 6"
04-70-005	Inflatable gas bag stopper 8"
04-70-006	Inflatable gas bag stopper 10"
04-70-007	Inflatable gas bag stopper 12"
04-70-008	Inflatable gas bag stopper 14"
04-70-009	Plastic gas bag inflation hand pump with adapter
04-70-710	Brass gas bag inflation hand pump without adapter
04-70-011	Adapter only for inflation pump
04-70-013	Stirrup type inflation pump
04-70-014	Inflatable gas bag stopper 9"
04-70-015	Inflatable gas bag stopper 18"
04-70-020	Flow stop gas bag 2"
04-70-021	Flow stop gas bag 3"
04-70-022	Flow stop gas bag 4"
04-70-023	Flow stop gas bag 6"
04-70-024	Flow stop gas bag 8"
04-70-025	Flow stop gas bag 10"
04-70-026	Flow stop gas bag 12"

Air pressure test standpipes



A



B

Reference	Description
04-67-001	Test standpipe low pressure 2 part, relief set 0.37 Bar, orange, image B
04-67-002	Test standpipe medium pressure 2 part, relief set 3.30 Bar, blue, image B
04-67-003	Test standpipe high pressure 2 part, relief set 7.70 Bar, red image B
04-67-004	Common base only yellow, image A
04-67-008	Test standpipe inflation manifold only, low pressure, image B
04-67-009	Test standpipe inflation manifold only, medium pressure, image B
04-67-010	Test standpipe inflation manifold only, high pressure, image B
04-67-014	Relief valve 0.37 pressure serial number & pressure certificate
04-67-015	Relief valve 3.30 pressure serial number & pressure certificate
04-67-016	Relief valve 7.70 pressure serial number & pressure certificate
04-67-020	Test standpipe complete low pressure brazed joints
04-67-021	Test standpipe complete medium pressure brazed joints
04-67-022	Test standpipe complete high pressure brazed joints

Service lateral pressure testing pieces



A

B



C

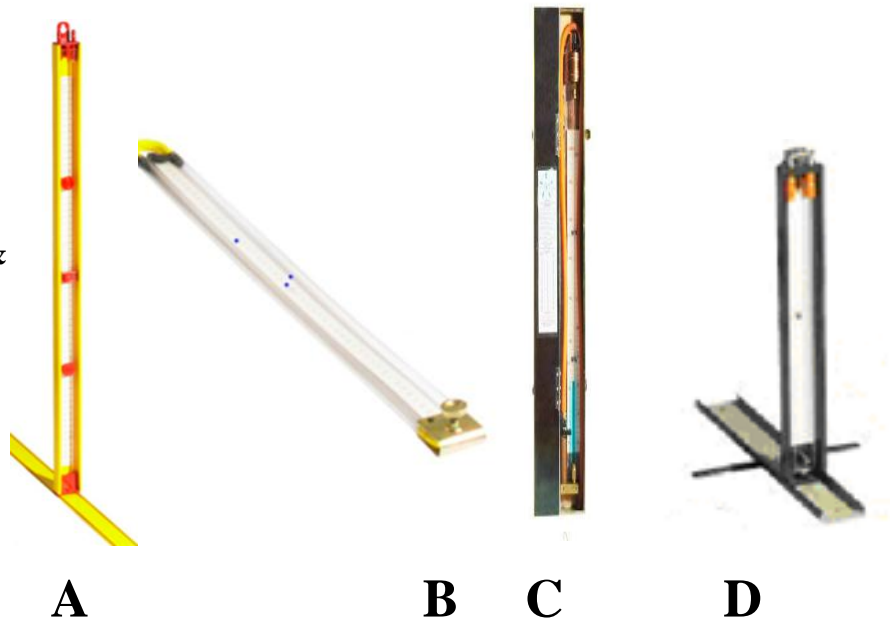


D

Reference	Description
04-68-001	Service test piece meter box stub type with valve & nozzle
04-68-002	Service test piece meter box anaconda type with valve & nozzle, image A
04-68-003	Steel swivel tee test piece 3/4" with valve & nozzle, image D
04-68-004	Tapping saddle multi tester with valve & nozzle
04-68-005	Spare rubber seal ring for multi tester
04-68-006	Tapping saddle multi tester without valve & nozzle
04-68-007	Service pipe tester 20-25-32mm with valve & nozzle, image C
04-68-008	Aluminium test cap with valve & nozzle Radius plastics 32mm
04-68-009	Aluminium test cap with valve & nozzle Glynwed Durafuse 32mm
04-68-010	Aluminium test cap with valve & nozzle George Fischer plastics 32mm
04-68-011	Aluminium test cap with valve & nozzle Radius plastics 63mm
04-68-012	Tee assembly with valve & Nozzle only
04-68-016	Aluminium test cap with valve & nozzle George Fischer plastics 63mm

04-68-017	Steel swivel tee test piece $\frac{3}{4}$ "-1" adapter with seal washer
04-68-020	Aluminium test cap with valve & nozzle Glynwed Durafuse 63mm

Pressure manometers &
U gauges



Reference	Description
04-64-001	Manoflex U gauge 24", image B
04-64-002	Manoflex U gauge 48", image B
04-64-003	Rigid U gauge in steel case 12", image D
04-64-004	Caldervale dual scale manometer 0-50mb & 0-350mb in steel case, image B
04-64-005	Rigid U gauge in plastic case 12", image A
04-64-006	Rigid U gauge in plastic case 24", image A
04-64-007	Rigid U gauge in plastic case 36", image A
04-64-008	Rigid U gauge in plastic case 48", image A

Service commissioning purge hoses



Reference	Description
04-61-301	Service purge hose with safety vent $\frac{3}{4}$ " x 10 metres
04-61-302	Safety vent flame arrestor $\frac{3}{4}$ " only
04-61-303	Safety vent flame arrestor 1" only
04-61-304	Service purge hose with safety vent 1" x 10 metres
04-61-305	Service purge hose with safety vent 2" x 10 metres
04-61-306	Safety vent flame arrestor 2" only
04-61-307	Purge stack with safety vent 1" x 2.5 metres (2 parts)

Isolant injection guns



Reference	Description
06-20-404	Foam off injection gun 300mm
06-20-405	Anaerobic injection gun
06-21-404	Foam off injection gun 400mm

Earth continuity bonds



Reference	Description
05-15-001	Continuity link with end chains 1.2 metres
05-15-002	Continuity link with crocodile clips 2.0 metre.
05-15-003	Continuity link with end chains 7.5 metres
05-15-004	Continuity link with end chains 10.0 metres
05-15-005	Continuity link for water meter installation 1.0 metres
05-15-006	Continuity link 1.2 metres with end chains 48" long
05-15-007	Continuity link with crocodile clips 10 metres

Metal box detection instrument



Reference	Description
04-61-401	Lost box locator, Protovale imp
04-61-402	Lost box locator Viking 5
04-61-403	Lost box locator Protovale 2 Wasp

Road measuring wheel



Reference	Description
06-20-428	Stanley road measuring wheel
06-20-474	Toolzone road measuring wheel

Pressure gauges



= Pounds per square inch,

I.S. = intrinsically safe,

XXmm = dial diameter.

Wet = Glycerine filled,

Shroud = Rubber body cover,

Reference	Description	Reference	Description
04-66-001	63mm x 15#/1 bar, shroud, dry	04-66-018	63mm x 100#/7 bar, shroud, wet
04-66-002	63mm x 15#/1 bar, shroud, wet		
04-66-003	63mm x 60#/4 bar, shroud, dry	04-66-019	63mm x 14 bar, shroud, wet
04-66-004	63mm x 60#/4 bar, shroud, wet	04-66-020	Druck 705 I.S. 2 bar with case
04-66-005	63mm x 140#/10 bar, shroud, dry	04-66-021	150mm x 400#/25 bar, wet, stainless
04-66-006	63mm x 160#/11 bar, shroud, wet	04-66-022	100mm x 30#/2 bar, wet, stainless ^{3/8"}
04-66-007	50mm x various, shroud, dry	04-66-023	100mm x 30#/2 bar, dry, stainless ^{3/8"}
04-66-008	75mm x various, shroud, dry	04-66-024	Druck 705 int. safe 7 bar with case
04-66-009	100mm x various, dry	04-66-025	63mm x 20 bar wet, bleed nipple
04-66-010	100mm x various, wet	04-66-026	50mm x 14 bar, dry, ^{1/8"} thread
04-66-011	100mm x various, dry, stainless case	04-66-030	Digital Leo gauge 2, -1 to 3 bar
04-66-012	100mm x various, wet, stainless case	04-66-031	Digital Leo gauge 2, -1 to 30 bar
04-66-013	150mm x various, wet, stainless case	04-66-032	Digital Leo gauge 2, 0 to 300 bar
04-66-014	150mm x various, dry, steel case	04-66-033	Druck 705 I.S. 20 bar, with case
04-66-015	50mm x 0- 15# Wask control tee	04-66-034	Druck 705 ris, 7 bar absolute, with case
04-66-016	63mm x 300#/20 bar, shroud, wet	04-66-035	100mm x 300#/20 bar, shroud, ^{3/8"} wet
04-66-017	10" x 25 bar	04-66-036	150mm x 400#/25 bar, shroud, ^{3/8"} wet
04-66-037	150mm x 600#/40 bar, shroud, ^{3/8"}	04-66-038	100mm x 200#/14 bar, shroud, ^{3/8"} wet
04-66-039	Comark digital 0-6.9bar shroud	04-66-040	Comark digital 0-2.0 bar, shroud
04-66-041	Druck I.S. 2 bar absolute, with case	04-66-042	Newlog 4 DR digital recorder 7 bar

General pipe tooling

Pipe Cleaning straps



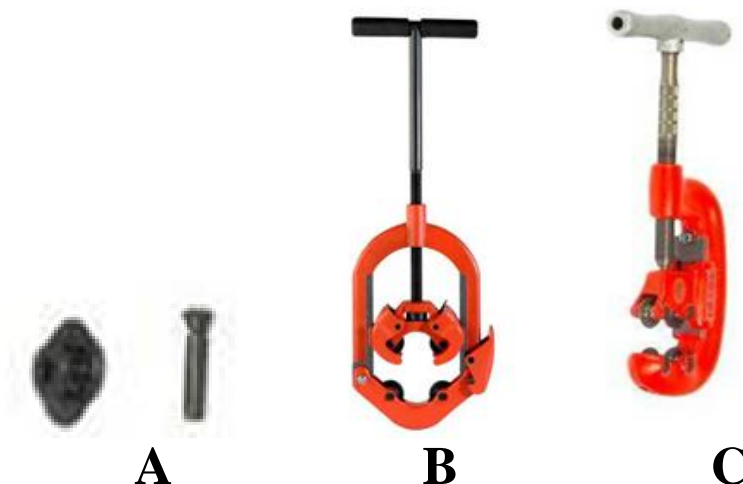
Reference	Description
04-61-101	Standard pipe cleaning strap 1.0 metre
04-61-102	Wheeler pipe cleaning strap 1.0 metre
04-61-103	Wheeler pipe cleaning strap extended

Ridge tool Company Ridgid 246



soil pipe cutter

Reference	Description
04-61-205	Ridgid 246 soil pipe cutter (6" clay pipe, 4" ductile iron.)
01-61-226	Ridgid 246 soil pipe cutter spare hook assembly



Reference	Description
06-61-213	Calder Hinged pipe cutter 2½" to 4", image B
06-61-214	Calder Hinged pipe cutter 4" to 6", image B
06-61-215	Calder Hinged pipe cutter 6" to 8" , image B
06-61-216	Calder Hinged pipe cutter 8" to 12", image B
05-14-012	Cutter wheel universal for Caldervale hinge cutter ½" to 2½", image A
05-14-013	Cutter wheel universal for Caldervale hinge cutter 2½"to 4", image A
05-14-014	Cutter wheel universal for Caldervale hinge cutter 4"to12", image A
05-14-016	Cutter wheel pin ½" to 4", image A
05-14-017	Cutter wheel pin 4" to 12", image A
06-61-206	42A pipe cutter