

PRODUCT CATALOGUE / 2026

Drill bits & drilling tools

Workshop • Machining • Rock drilling • Ground engineering



Source Globally. Trade Seamlessly.

Sourcing range guide. Published reference specifications; final supply is subject to quotation.

RANGE FINDER

Choose by the work required

CSL references make enquiries simple; they are not original factory model numbers.

Range	CSL references	See pages
Workshop and machining	CSL-W01 to W10	03-04
Wood boring and driver bits	CSL-W11 / CSL-SB01	05
Threaded button bits	CSL-R01	06
Taper and retract cross bits	CSL-R02 / R03	07
DTH button bits	CSL-R04	08
Self-drilling anchor bits	CSL-R05	09
Step and chevron drag bits	CSL-R06 / R07	10
Replaceable-cutter claw bits	CSL-R08	11
Packing, inspection and enquiries	All ranges	12-13

About this catalogue

CSL IMPEX supports international purchasing, sourcing and import-export coordination. This expanded catalogue covers tool families for customer selection. Published ranges are product-family references, not a declaration of current inventory.

Product imagery is based on supplier photographs with branding digitally removed. Illustrations are not dimensional drawings. Links to technical sources appear on page 14; supplier contact details are excluded.

WORKSHOP SELECTION / 1

Machining & workshop bits

Application guide and order specification fields



CSL-W01 Twist drill

Helical-flute general drilling in metals, wood and plastics. HSS, cobalt-HSS and carbide constructions.

Specify: Diameter; cutting length; overall length; shank; workpiece grade.



CSL-W02 Centre drill

Short pilot with a 60-degree centre seat for lathe support.

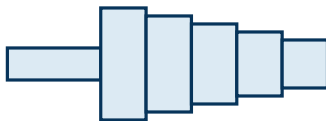
Specify: Pilot diameter; body diameter; seat angle; overall length.



CSL-W03 Spot drill

Rigid starting tool that locates the next drill; point-angle selection matters.

Specify: Spot angle; diameter; drill point angle; machine holder.



CSL-W04 Step drill

Multiple diameters on one stepped profile for thin sheet and panels.

Specify: Step sequence; maximum sheet thickness; shank; coating.



CSL-W05 Brad-point drill

Centre spur and outer spurs locate and score clean wood holes.

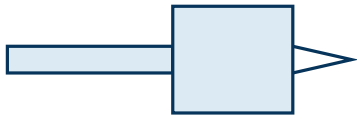
Specify: Diameter; flute length; timber type; shank.

S1. Profiles are simplified identification diagrams, not photographs or to-scale drawings.

WORKSHOP SELECTION / 2

Machining & workshop bits

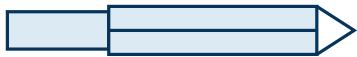
Application guide and order specification fields



CSL-W06 Spade bit

Flat paddle profile for fast holes through wood framing.

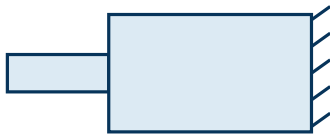
Specify: Diameter; length; extension requirement; shank interface.



CSL-W07 Gun drill

Deep-hole tool with through-coolant and a single cutting edge.

Specify: Diameter; drilling depth; coolant pressure; machine interface.



CSL-W08 Annular/core cutter

Cuts a ring and leaves a central core in metalworking.

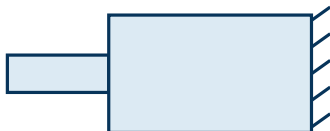
Specify: Diameter; cutting depth; arbor; pilot pin; material.



CSL-W09 Indexable drill

Replaceable carbide inserts support production drilling and economical edge replacement.

Specify: Body diameter; depth/diameter ratio; insert designation; coolant.



CSL-W10 Countersink / counterbore

Conical screw-head recess or cylindrical flat-bottom recess, respectively.

Specify: Recess diameter; angle or depth; pilot size; fastener drawing.

S1. Profiles are simplified identification diagrams, not photographs or to-scale drawings.

RELATED ACCESSORIES

Wood boring & double-ended bits

Two distinct tool families: hole making and screw fastening

CSL-W11 / Forstner-style cutter	Published 25 mm example [S10]
Use	Flat-bottom holes in softwood.
Construction	SP steel designation; two cutting edges and two ground spurs; right-hand rotation.
Dimensions	25 mm diameter; 8 × 30 mm parallel shank; overall 3-35/64 in (about 90 mm).
Range example	10-30 mm sizes in the published table use an 8 mm shank; selected 32-55 mm sizes use a 10 mm shank.
CSL-SB01 / Double-ended bit	Published PH2 × 65 example [S11]
Function	Crosshead screw fastening; this tool does not drill a hole.
Dimensions / mass	PH2 tip; 65 mm overall; 14 g.
Hardness / packing	Published hardness class H; inner C/T 10 and outer C/T 100. Class H is not a numerical HRC rating.
Order fields	Tip type at each end, length, drive fit, magnetism, intended tool and impact-use requirement.

Reference data identify particular published products. Confirm the selected supplier specification before using these dimensions for your sample or purchase order.

S10 / S11. This page supplements the two websites supplied for the expanded range.

CSL-R01 / TOP HAMMER

Threaded button bits

Rock drilling for tunnelling, quarrying, mining and construction



Published construction

Alloy-steel body with hot-pressed carbide buttons. Face choices include flat, drop-centre and uni-face.

Specify the thread

Match the rod connection and required hole diameter. Thread series are not interchangeable.

Connection	Published normal-skirt diameter
R25 / R28	38-51 mm
R32	41-76 mm
R38 / T38	64-89 mm
T45	76-127 mm
T51	89-127 mm

Overall published family range: 33-152 mm. Flat faces are described for medium-to-hard abrasive rock; drop-centre faces for medium-hard rock and hole-deviation control.

S2. Published ranges describe the source family; quote the required size and face configuration.

CSL-R02 / CSL-R03

Taper bits & retract cross bits

Connection geometry and cutting profile define the selection



Field	Taper bits [S3]	Retract cross bits [S4]
CSL reference	CSL-R02	CSL-R03
Diameter	26-60 mm family; button-bit discussion highlights 26-48 mm.	64-76 mm in the detailed parameter section.
Connection	4°46 min, 6°, 7°, 11° or 12° taper; listed rod hex sizes 19, 22, 25 mm.	R38 or T38 in the detailed parameter section.
Cutting form	Carbide chisel, cross or button.	Cross cutting face and retract-style body.
Use	Rock drilling with matching tapered rods.	Hard, abrasive rock; mining, quarrying and tunnel work.

Source discrepancy: the retract page summary advertises a broader range than its detailed table. The narrower detailed values are shown here; other sizes need written confirmation.

S3 / S4. Confirm both the bit connection and rod fit before ordering.

CSL-R04 / DOWN-THE-HOLE

DTH button bits

Published examples for DHD-type shank systems



Construction and selection

Alloy-steel body with tungsten-carbide buttons. The source describes nitrided skirts. Select the exact hammer/shank system, diameter and face, not diameter alone.

Shank family	Diameter / mm	Published weight / kg
DHD3.5	85 / 90 / 95 / 100 / 105	5.0 / 5.8 / 5.9 / 6.1 / 6.3
DHD340	105 / 110 / 115 / 120 / 127	8.6 / 8.8 / 9.0 / 9.5 / 9.9
DHD350	135 / 140 / 146 / 152 / 165	16.2 / 16.5 / 17.0 / 17.8 / 18.5
DHD360	152 / 165 / 171 / 190 / 203	23.3 / 25.2 / 25.8 / 28.5 / 29.5
DHD380	203 / 216 / 241 / 254	48.1 / 52.0 / 58.7 / 60.4

Weights align with diameters in each row. Flat, convex and concave faces are listed with model-specific availability. Applications include water wells, geothermal holes and quarry drilling.

S5. Weights are source-listed product weights, not packed shipping weights.

CSL-R05 / GROUND ENGINEERING

Self-drilling anchor bits

Sacrificial cutting heads for hollow-bar anchoring systems

Select for the ground

Cutting-head choice depends on soil or rock condition. The bit permits drilling and grout passage as part of the anchor system.



Design reference	Published ground suitability
EX / steel cross	Loose to medium-dense ground; sand and gravel.
ES / steel button	Weak cemented soil and weak fractured rock.
EW / clay profile	Soft clay and cohesive soils.
EC / steel arch	Loose-to-dense soil and sand.
EXX / carbide cross	Medium-to-strong fractured rock.
ESS / carbide button	Strong fractured rock and abrasive ground.
ECC / carbide arch	Medium fractured rock.

For quotation: bar thread, bit diameter, grout/flushing requirement, ground description and quantity. Dimensions are not inferred from these photographs.

S6. Steel and tungsten-carbide forms are separate options, not one universal material grade.

CSL-R06 / CSL-R07

Step & chevron drag bits

Rotary drilling families for different formation conditions



Field	3-wing step [S7]	4-wing chevron [S8]
CSL reference	CSL-R06	CSL-R07
Diameter range	50.8-444.5 mm (2-17 1/2 in)	165.1-304.8 mm (6 1/2-12 in)
Body / cutting tips	Published heat-treated 4140 steel; tungsten carbide tips.	Published heat-treated 4140 steel; tungsten carbide tips.
Configuration	Three wings and three flushing holes.	Four wings and four flushing holes.
Formation guide	Soft-to-medium formations such as clay, loam and silt.	Harder formations such as shale, limestone and tougher gravel.

Connection examples on both pages include 2 3/8, 2 7/8 and 3 1/2 in API Reg. Exact thread and diameter combinations require selection. Request a connection drawing with the quotation.

S7 / S8. Formation and drilling parameters must be agreed for the selected tool and rig.

CSL-R08 / ROTARY DRILLING

Replaceable-cutter claw bits

Serviceable cutters for rotary drilling enquiries



Published construction

4140 alloy-steel body. Bullet-shaped cutters are replaceable; the source describes one circulation hole per cutter. Body, cutters and pilots may be ordered separately.

Diameter / inch	Diameter / mm	Listed connection
4 1/2	114.3	2 3/8 API Reg
4 5/8	117.5	2 3/8 API Reg
4 3/4	120.7	2 3/8 API Reg
4 7/8	123.8	2 3/8 API Reg
5	127.0	2 3/8 API Reg
5 1/8	130.2	2 3/8 API Reg
5 1/4	133.4	2 3/8 API Reg
5 3/8	136.5	2 3/8 API Reg

Ask for cutter part numbers, spare-cutter quantity and pilot details. The source table is labelled "Clay bit" within its Claw Bits page; confirm the quoted configuration.

S9. Table values are reproduced as published, with the source naming discrepancy disclosed.

PACKING & QUALITY

Agree the supply specification

Proposed packing options below are quotation choices, not published factory pack counts.

Product family	Proposed packing specification
Workshop drills	Individual protective tubes or sleeves; labelled size sets where requested; outer carton with separators.
Driver bits	Bag, blister or compartment box; confirm retail/inner/carton quantities. The page-5 example is source-specific.
Rock and DTH bits	Individual head protection; thread/shank caps; restrained units in a suitable export case or carton according to weight.
Drag / claw bits	Protect cutters and threaded pins; prevent metal-to-metal impact; list spare cutters separately.
Shipment data	Confirm dimensions, pieces/carton, net/gross weight, carton count and pallet or case details before booking freight.

Quality check	Acceptance basis to agree
Dimensions and fit	Drawing revision, diameter, length and correct mating interface.
Material	Supplier declaration of steel/carbide grade; supporting test documents where required.
Cutting edges	No chips, cracks or damaged tips; agreed geometry and retention checks.
Identification	CSL reference, selected specification, quantity and batch/lot traceability.
Performance	Sample approval using the intended machine, work material and agreed test conditions.

MOQ, price, lead time and certification are confirmed in the quotation; no unsupported quality grade is assigned.

ENQUIRIES & COMPANY DETAILS

Tell us what you need to drill

A complete enquiry helps us match the correct bit and connection.

Send with your enquiry	Required information
Item	CSL reference, diameter and quantity per size.
Work material	Metal grade / timber / soil or rock formation.
Machine	Drill or rig model; holder, thread, taper or hammer shank.
Hole requirement	Depth, diameter, through/blind hole and any tolerance.
Delivery	Destination, packing preference and requested delivery date.

CSL IMPEX

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TECHNICAL REFERENCE INDEX

Published sources

Source identifiers on product pages link to the references below.

S1 Workshop drill-type guide — [Open source](#)

S2 Threaded rock bits — [Open source](#)

S3 Taper bits — [Open source](#)

S4 Retract cross bits — [Open source](#)

S5 DHD-compatible DTH bits — [Open source](#)

S6 Self-drilling anchor bits — [Open source](#)

S7 Three-wing step drag bits — [Open source](#)

S8 Four-wing chevron bits — [Open source](#)

S9 Claw bits — [Open source](#)

S10 Forstner 537 range — [Open source](#)

S11 Double-ended PH2 bit — [Open source](#)

Scope and presentation

Sinodrills provides the published rock-drilling ranges and original photographs. Sincere Machining supplies the workshop classification guide. CMT and VESSEL provide the two supplementary examples on page 5. Brand removal changes presentation only; it does not establish CSL manufacture, authorised distribution or tested equivalence.

All CSL item codes are enquiry references. Dimensions are family-level published examples unless explicitly attached to a particular configuration. Final product appearance, available sizes, packing and performance must be specified in the quotation.

Research edition: September 2026. Source links retained for technical traceability.