

STROVOLT

ENGINEERED CARBIDE TOOLING

FOUNDATION & CONSTRUCTION **CARBIDE TOOLS**

PRODUCT CATALOGUE · EDITION 2026

FOUNDATION DRILLING

ROLLER CUTTERS

CASING TOOLS

HDD

TRENCHING

DIAPHRAGM WALL

ROADHEADING

ROAD MILLING



STROVOLT · INDIA

www.strovolt.com

THE STROVOLT CONSTRUCTION TOOLING RANGE

This catalogue covers the STROVOLT range of tungsten-carbide construction tools: foundation drilling picks and flat teeth, roller cone bits and full-face roller cutters, drilling teeth, casing welding and quick-change bars, casing screws, HDD tools, trencher picks, diaphragm-wall cutter teeth, roadheader picks and road milling picks. Every tool combines a drop-forged alloy-steel body, quench-and-temper heat treatment and a brazed premium tungsten-carbide tip selected for the target geology.

HOW TO READ THIS CATALOGUE

Each product figure is shown with its principal dimensions in millimetres — tip diameter, body and collar diameters, working length and overall length — exactly as manufactured. Order by the STROVOLT part number shown under each figure, stating quantity and your machine or holder system. Matching holders, sleeves and retainers are shown alongside each series.

CARBIDE TIP SHAPES

Dome tips give the highest impact resistance for very hard, abrasive ground. Parabolic tips are the general-purpose choice with good cutting efficiency for hard rock and broken strata. Wedge tips penetrate fast in soft rock. Narrow-bottom and cap tips protect the pick body in very abrasive conditions and soft-to-medium ground respectively. Laid-on and slotted irregular tips are fitted to flat teeth, bars and diaphragm-wall cutters to suit geology and machine speed.

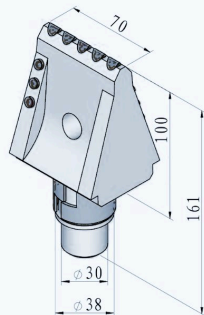
QUALITY

Tips are vacuum-brazed and every batch is hardness- and structure-checked. Bodies are forged, machined and heat-treated in-house to keep the balance between tip wear resistance and shank toughness that determines pick life in the field. Customised dimensions, carbide grades and cutting angles are available on request for OEM and project orders.

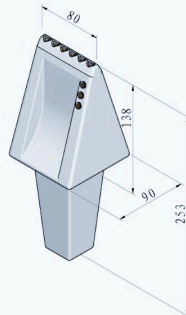
FLAT TEETH & FOUNDATION DRILLING PICKS

Flat teeth are welded cutting teeth for augers, drilling buckets and CFA starter augers in medium-soft clay ground. Foundation drilling picks rip cobble and rock on augers, drilling buckets and coring barrels. All figures show dimensions in mm.

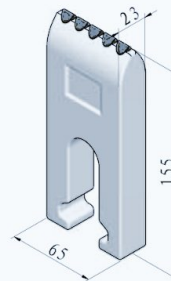
FLAT TEETH & HOLDERS



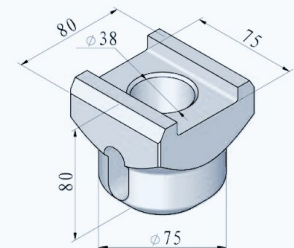
STRO-FD001



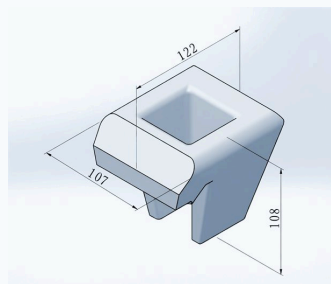
STRO-FD002



STRO-FD003

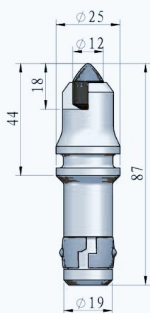


STRO-FD004

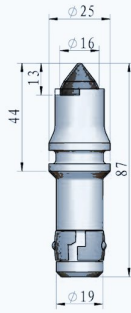


STRO-FD005

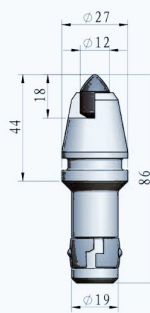
DRILLING PICKS — Ø19 MM SHANK & HOLDERS



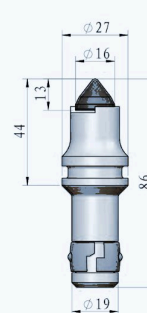
STRO-FD006



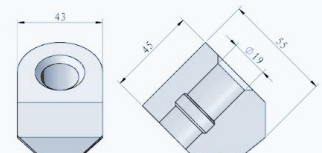
STRO-FD007



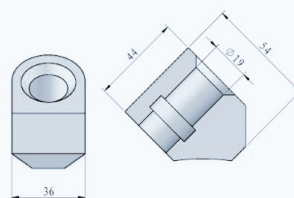
STRO-FD008



STRO-FD009



STRO-FD010

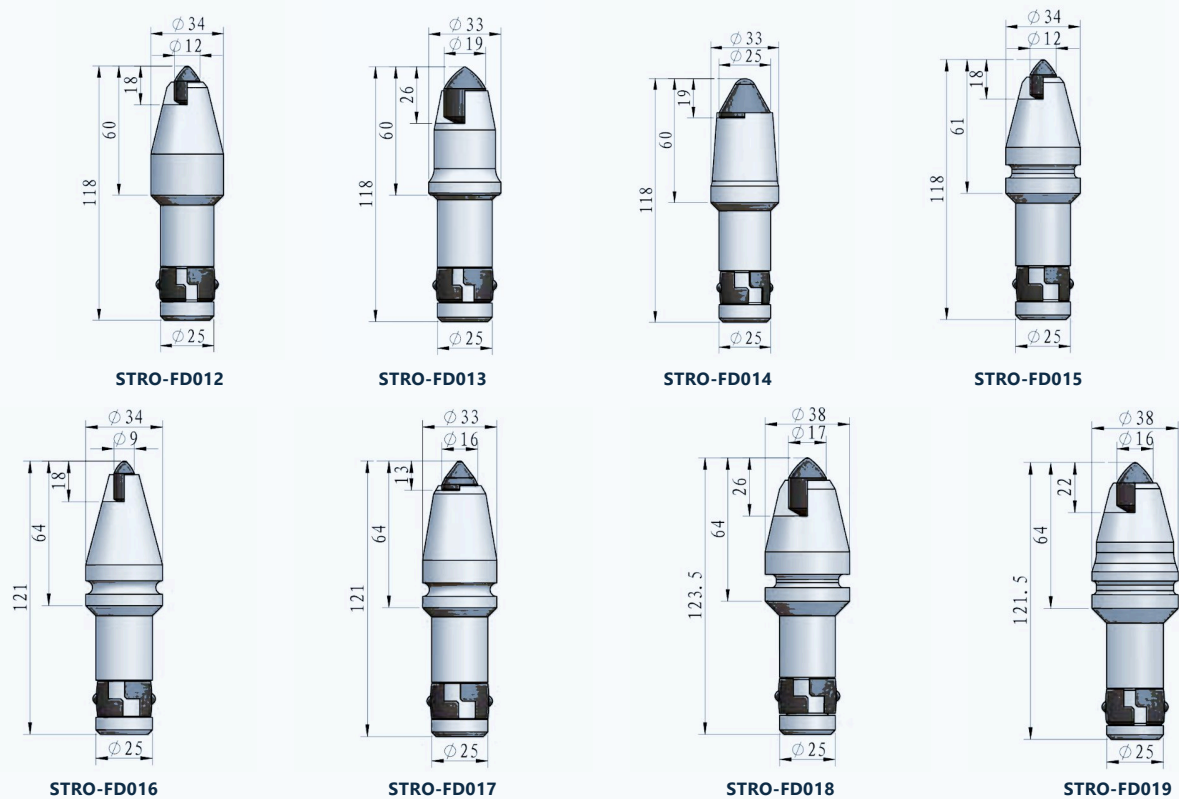


STRO-FD011

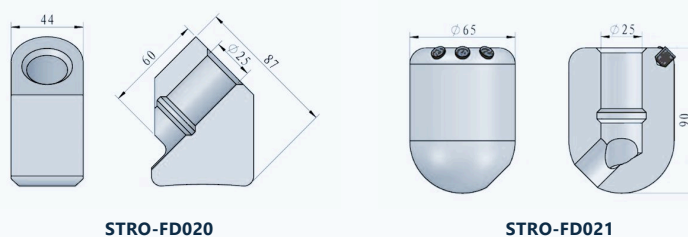
FOUNDATION DRILLING PICKS — Ø25 MM SHANK

Conical picks for small to medium diameter augers and drilling buckets, with matching weld-on holders.

25-SERIES PICKS

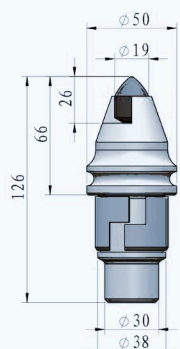


HOLDERS FOR Ø25 MM SHANK

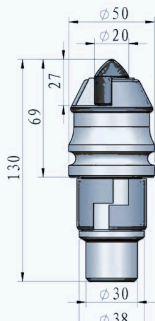


FOUNDATION DRILLING PICKS — Ø30/38 MM STEP SHANK (I)

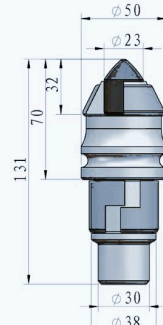
Heavy bullet teeth for medium to large diameter augers, drilling buckets and coring barrels on rotary piling rigs. Fits standard Ø30/38 mm step-shank holder systems.



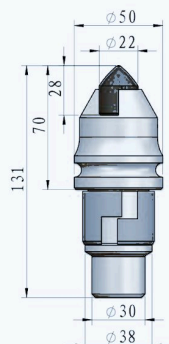
STRO-FD022



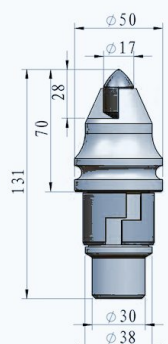
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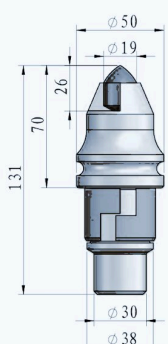
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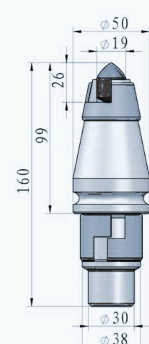
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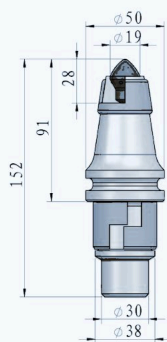
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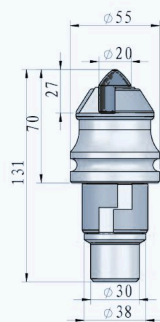
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STRO-FD028



STRO-FD029

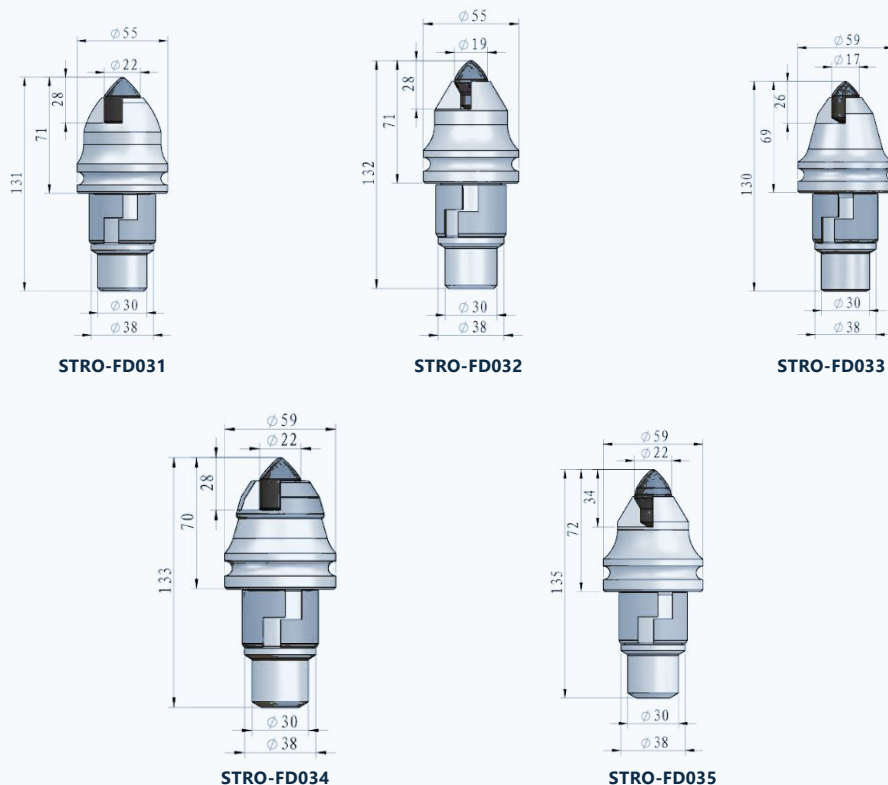


STRO-FD030

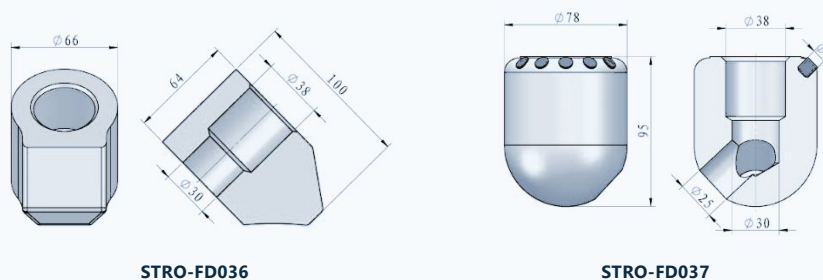
STRO-FD025 is stocked in Saudi Arabia — see the separate product datasheet.

FOUNDATION DRILLING PICKS — Ø30/38 MM STEP SHANK (II)

Further tip geometries for hard and abrasive strata, with weld-on holders and wear sleeves for the Ø30/38 mm step-shank system.



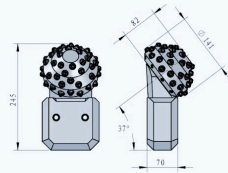
HOLDERS FOR Ø30/38 MM STEP SHANK



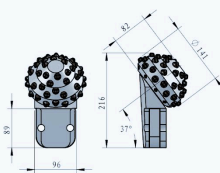
ROLLER CONE BITS & FULL-FACE ROLLER CUTTERS

Roller cone bits mount on the bottom ring of core barrels to cut an annular ring in hard and extremely hard rock. Full-face roller cutters are used for raise boring and vertical drilling in hard or cobble strata.

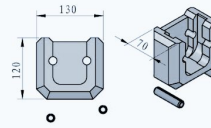
ROLLER CONE BITS



STRO-RC001

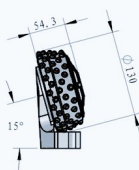


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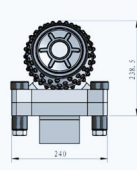


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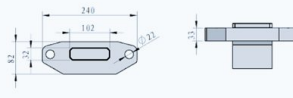
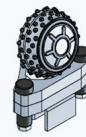
WELDED-TYPE ROLLER BITS & HOLDER



STRO-RC004



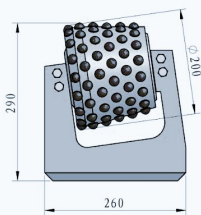
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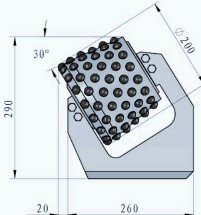
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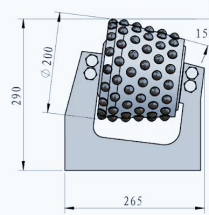
FULL-FACE ROLLER CUTTERS



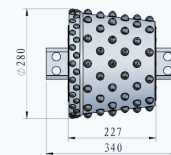
STRO-RC007



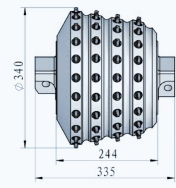
STRO-RC008



STRO-RC009



STRO-RC010

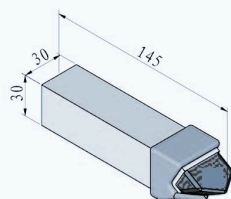


STRO-RC011

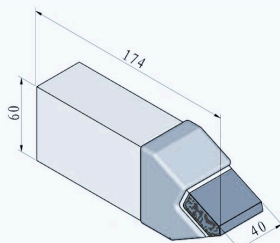
DRILLING TEETH — WELDED & REPLACEABLE

Flat drilling teeth for augers and drilling buckets: the welded series is fixed directly to the tool, while the replaceable series drops into weld-on adapter holders for fast tooth changes.

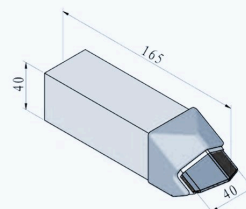
WELDED TYPE



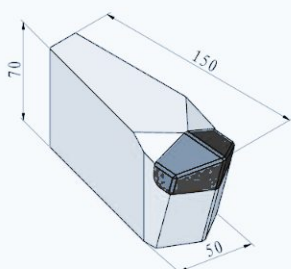
STRO-DT001



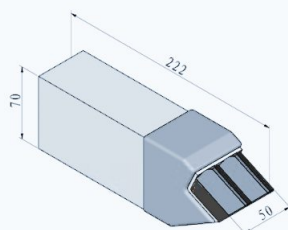
STRO-DT002



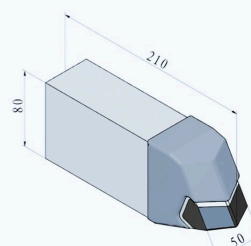
STRO-DT003



STRO-DT004

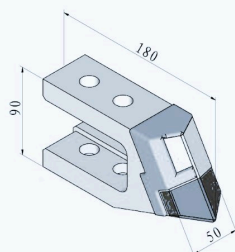


STRO-DT005

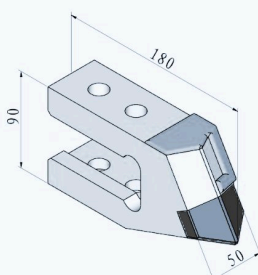


STRO-DT006

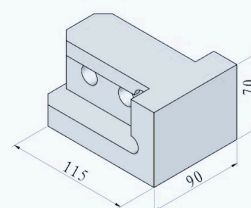
REPLACEABLE TYPE & HOLDERS



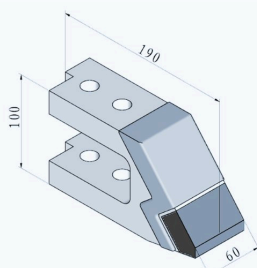
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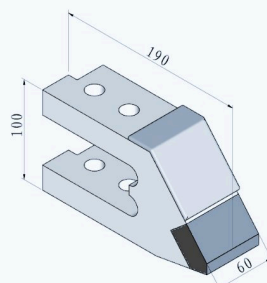
STRO-DT008



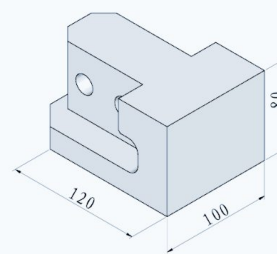
STRO-DT009



STRO-DT010



STRO-DT011

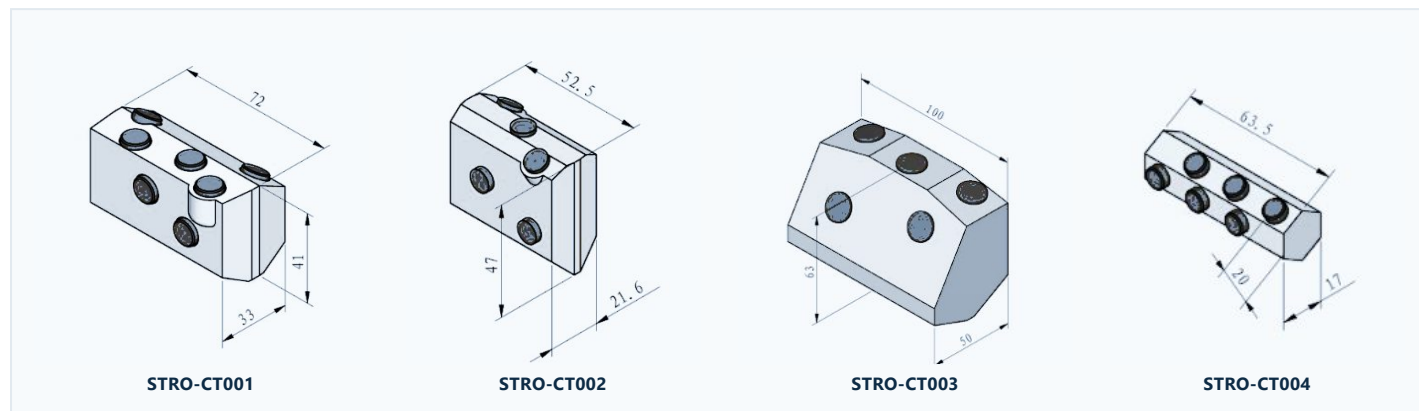


STRO-DT012

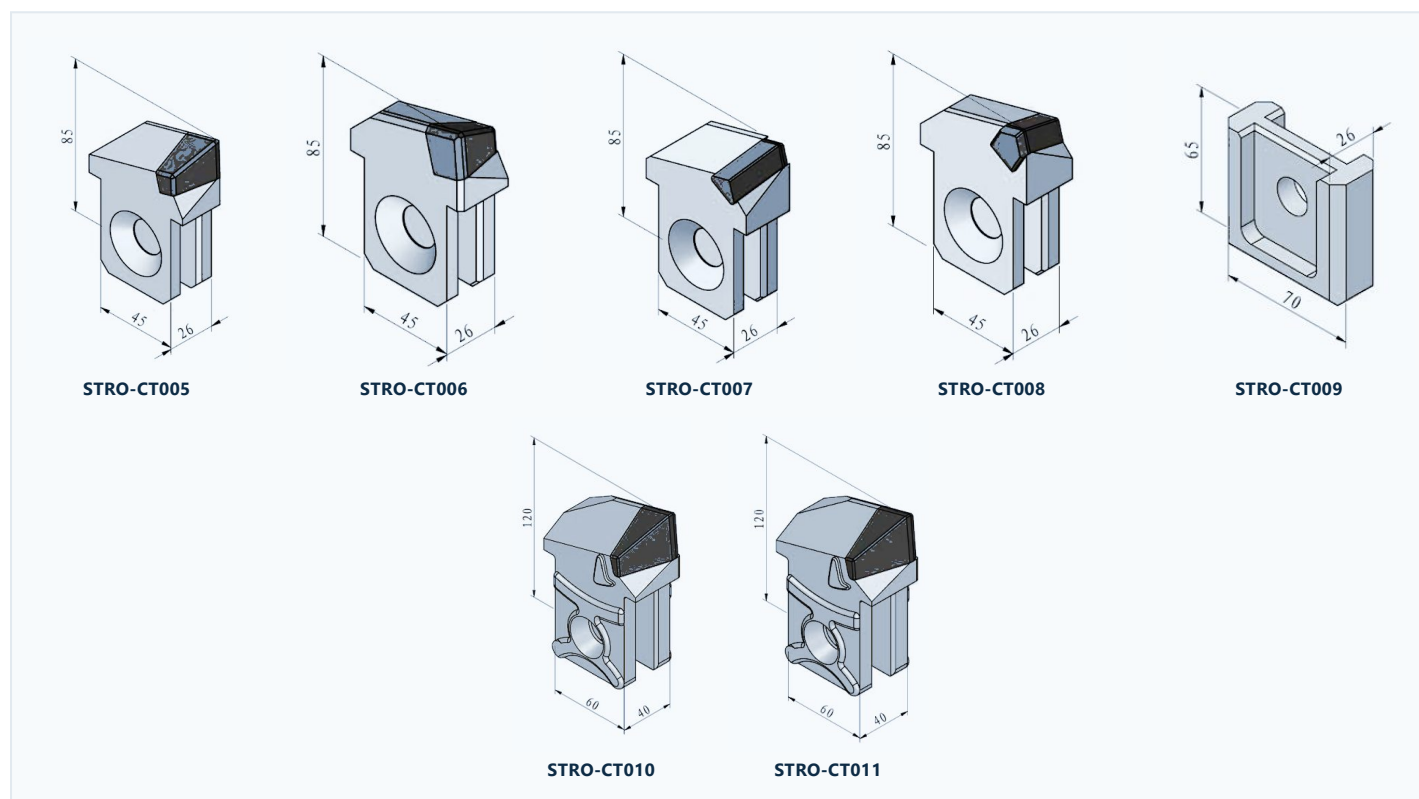
WELDING BARS & QUICK-CHANGE BARS (I)

Carbide-set bars for the cutting ring of drill casings and coring barrels in piled retaining-wall construction. Quick-change bars keep cutting geometry constant when replaced.

WELDING BARS



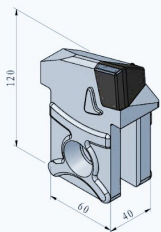
QUICK-CHANGE BARS



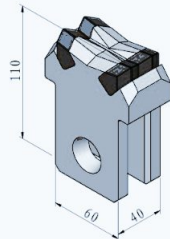
QUICK-CHANGE BARS (II) & CASING SCREWS

Inner and outer overcut bars with matching holders, plus casing screws connecting double-walled drill casings — thread ring and conical ring are fixed by spot welding, sealed by O-rings on the conical bolt.

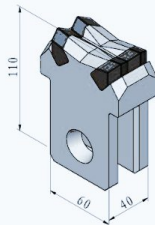
QUICK-CHANGE BARS



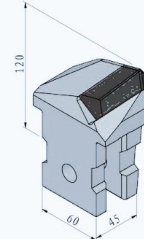
STRO-CT012



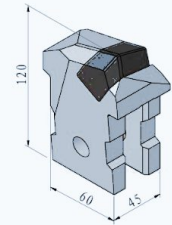
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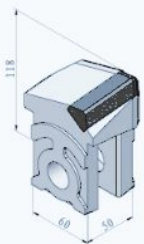
STRO-CT014



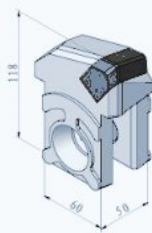
STRO-CT015



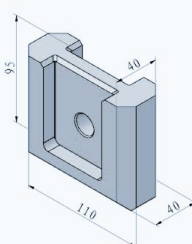
STRO-CT016



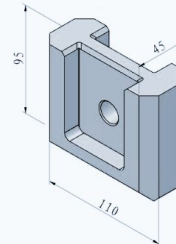
STRO-CT017



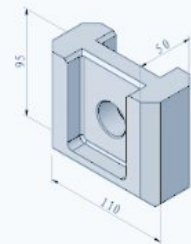
STRO-CT018



STRO-CT019



STRO-CT020



STRO-CT021

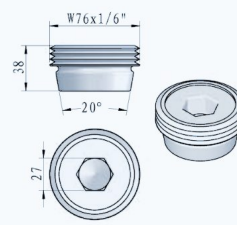
CASING SCREWS



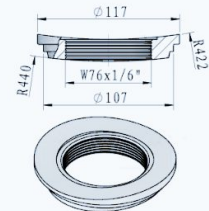
STRO-CT022



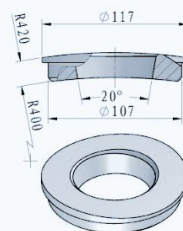
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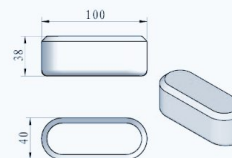
STRO-CT024



STRO-CT025



STRO-CT026

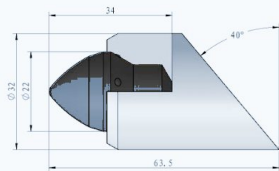


STRO-CT027

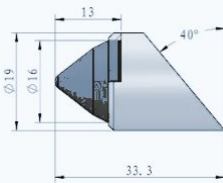
HORIZONTAL DIRECTIONAL DRILLING TOOLS & SPECIAL MODELS

Weld-on carbide tools for HDD reamers and rock cutting heads — FH series at a 50° working angle, FQ series shaped to geology and application. Special profile plates for dredging and milling heads.

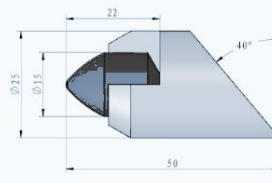
HDD REAMER CUTTERS — 50° WORKING ANGLE



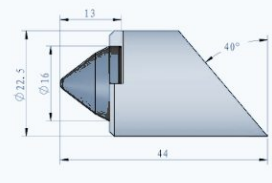
STRO-HD001



STRO-HD002

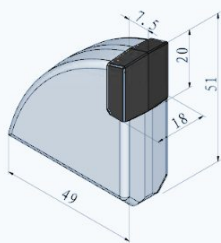


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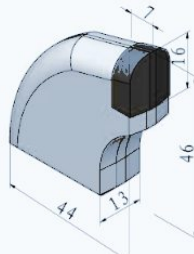


STRO-HD004

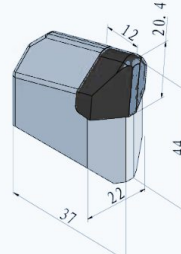
ROCK CUTTING TOOLS



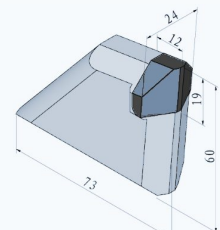
STRO-HD005



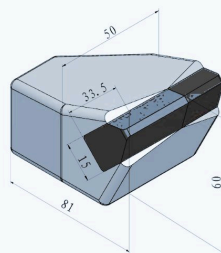
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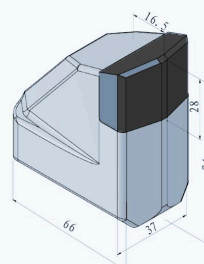
STRO-HD007



STRO-HD008

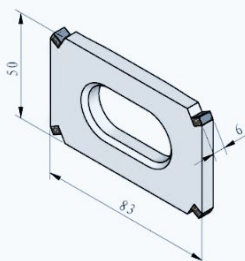


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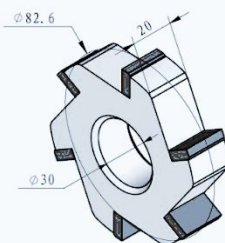


STRO-HD010

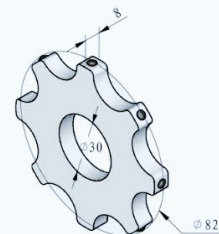
SPECIAL MODELS



STRO-HD011



STRO-HD012

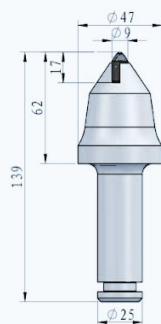


STRO-HD013

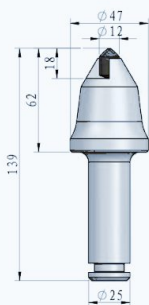
TRENCHER PICKS — Ø25 MM SHANK

Surface trenching picks with good penetration and abrasion resistance, for chain trenchers and rock saws.

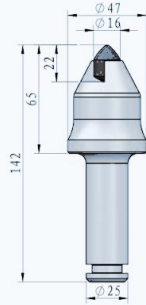
HEAVY-DUTY BODY



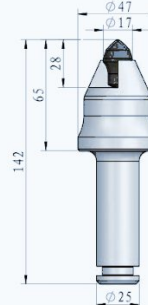
STRO-TR001



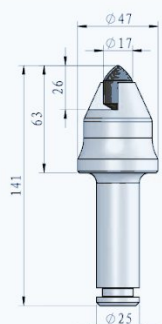
STRO-TR002



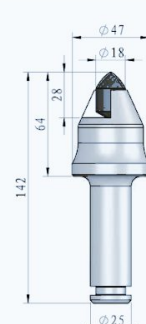
STRO-TR003



STRO-TR004

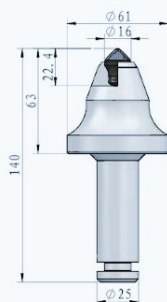


STRO-TR005

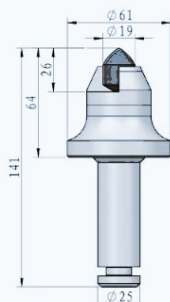


STRO-TR006

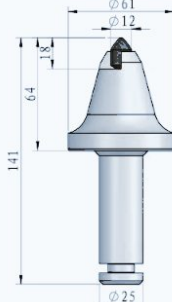
WIDE COLLAR & HOLDER



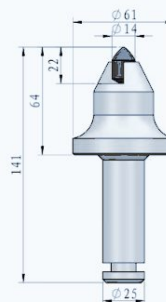
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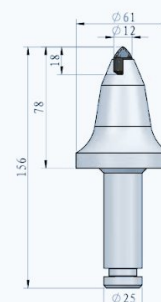
STRO-TR008



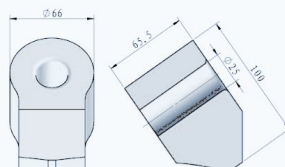
STRO-TR009



STRO-TR010



STRO-TR011



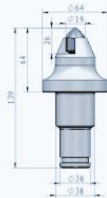
STRO-TR012

TRENCHER PICKS — Ø30/38 MM STEP SHANK

Step-shank trenching picks with wide collars protecting holder and sleeve; multiple tip sizes and body lengths for rippers, large trenchers and surface miners.



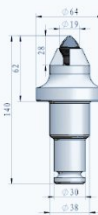
STRO-TR013



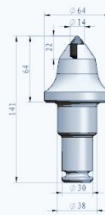
STRO-TR014



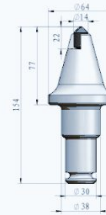
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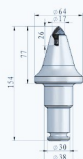
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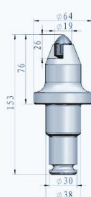
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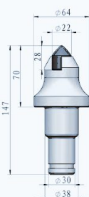
STRO-TR018



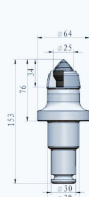
STRO-TR019



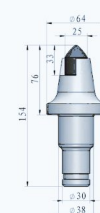
STRO-TR020



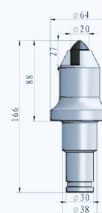
STRO-TR021



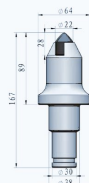
STRO-TR022



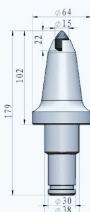
STRO-TR023



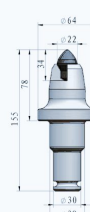
STRO-TR024



STRO-TR025



STRO-TR026

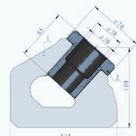


STRO-TR027

HOLDERS & SLEEVES



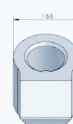
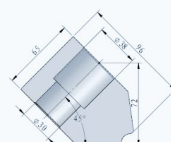
STRO-TR028



STRO-TR029



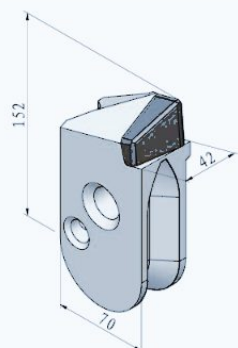
STRO-TR030



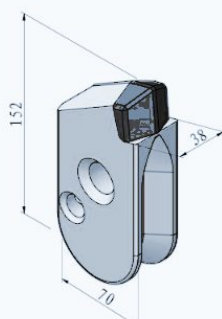
DIAPHRAGM WALL CUTTER TEETH

Cutting teeth for diaphragm-wall trenching machines (double-wheel trenchers and TRD method). V-groove connection keeps cutting geometry constant; inner, middle and outer overcut shapes available.

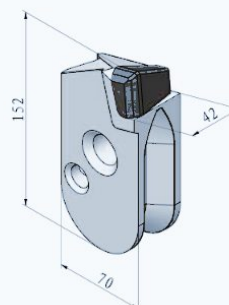
SINGLE-VIEW MODELS



STRO-DW001

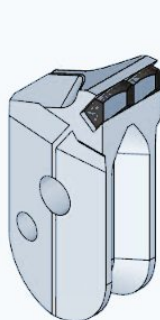


STRO-DW002

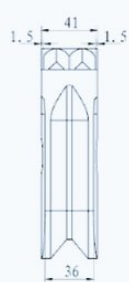
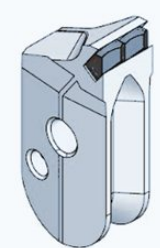
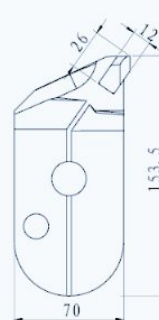


STRO-DW003

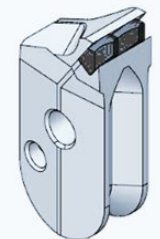
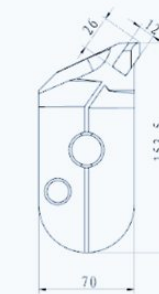
MODELS WITH SECTION VIEWS



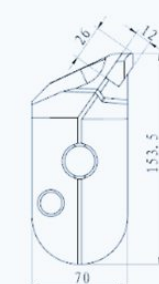
STRO-DW004



STRO-DW005



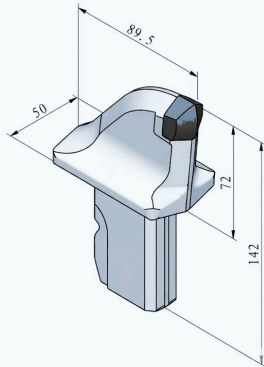
STRO-DW006



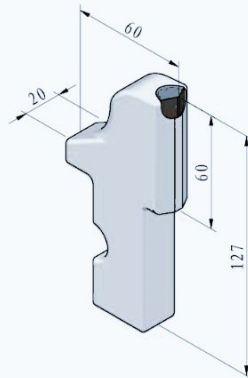
DIAPHRAGM WALL CUTTER TEETH — FLAT TYPE

Flat cutter teeth for diaphragm-wall and cutter soil-mixing equipment, welded directly to the cutting wheel or drum. Tip shapes and body heights are matched to the ground and the machine.

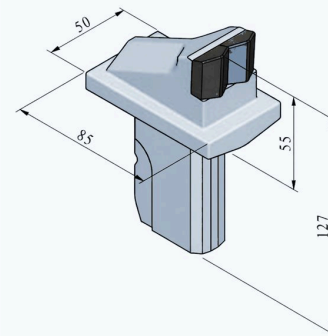
FLAT CUTTER TEETH



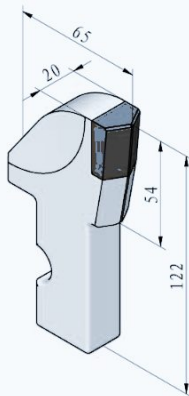
STRO-DW007



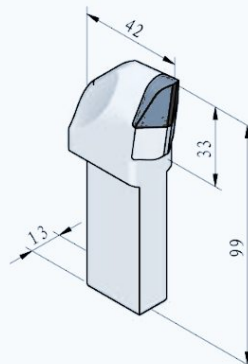
STRO-DW008



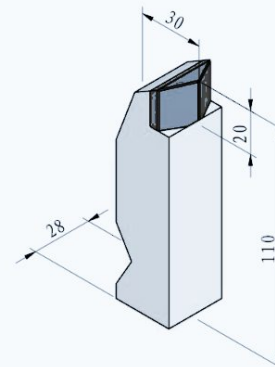
STRO-DW009



STRO-DW010

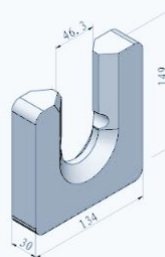


STRO-DW011



STRO-DW012

CUTTER TOOTH HOLDER

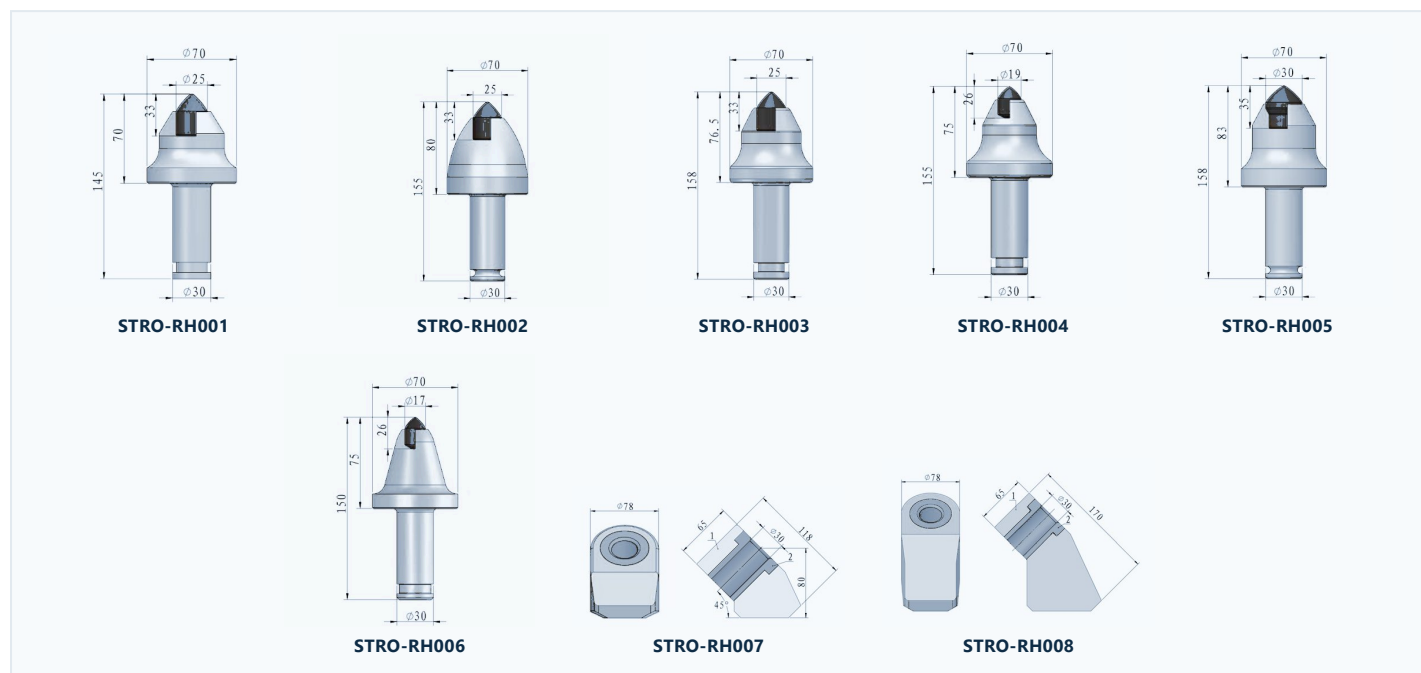


STRO-DW013

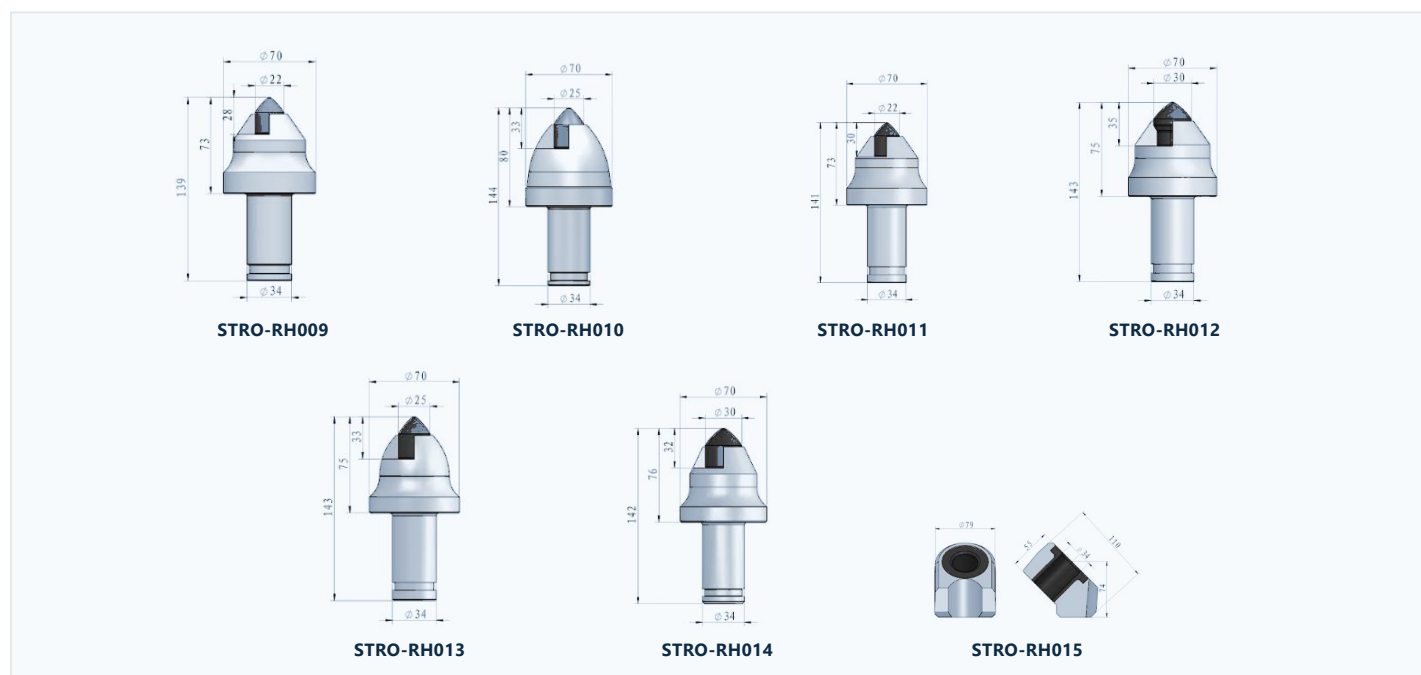
ROADHEADER PICKS (I)

Heavy conical picks for roadheaders and continuous miners in underground roadway and short-distance tunnel excavation under complex, high-impact conditions.

Ø30 MM SHANK & HOLDERS



Ø34 MM SHANK & HOLDER



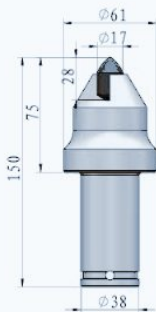
ROADHEADER PICKS (II)

Ø38 mm shank picks for the heaviest cutting duty on roadheaders, shearers and drum cutters.

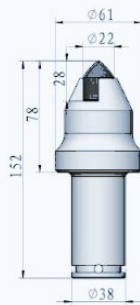
STANDARD BODY — Ø38 MM SHANK



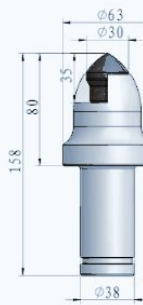
STRO-RH016



STRO-RH017

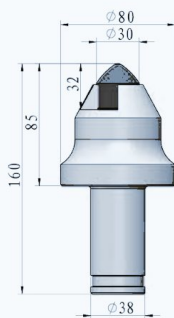


STRO-RH018

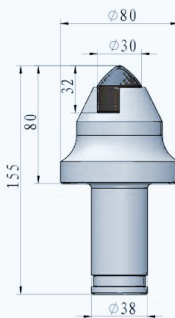


STRO-RH019

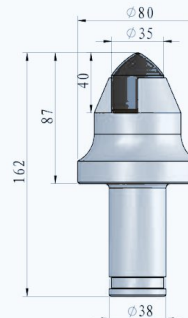
HEAVY BODY — Ø38 MM SHANK



STRO-RH020

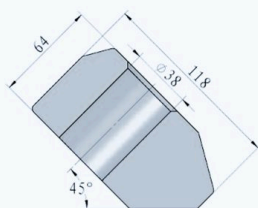
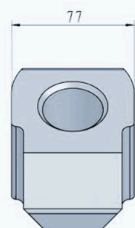


STRO-RH021

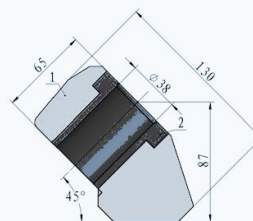
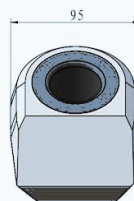


STRO-RH022

HOLDERS



STRO-RH023

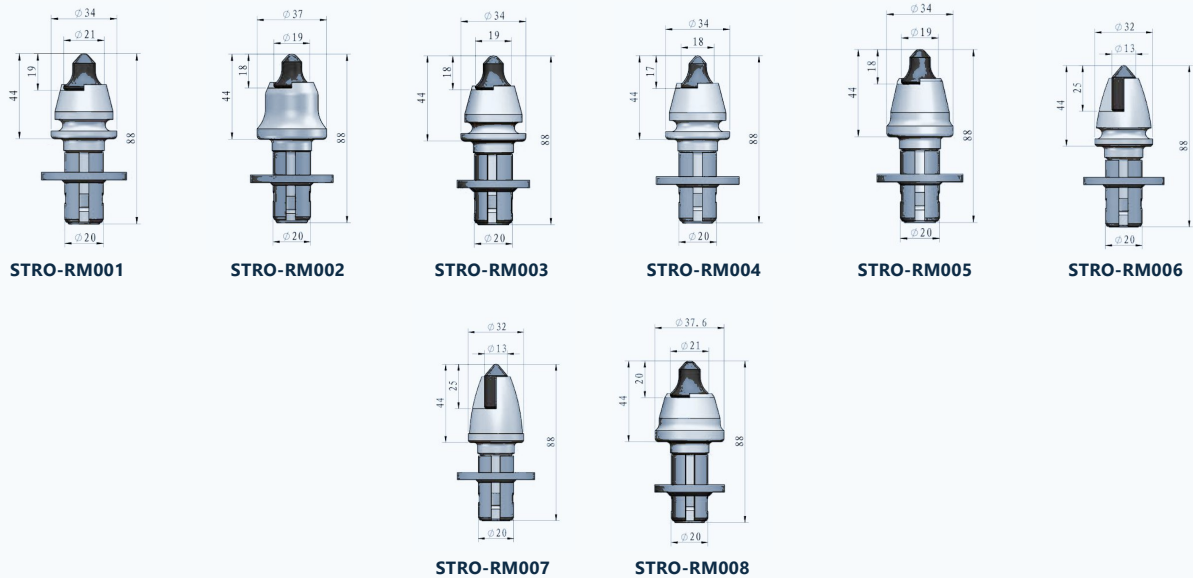


STRO-RH024

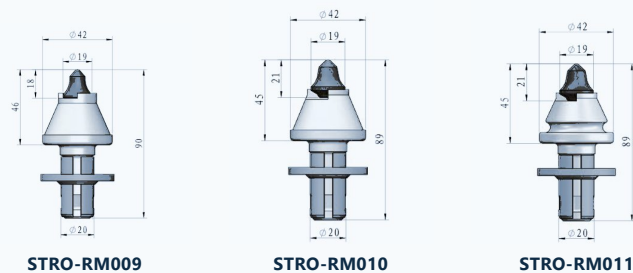
ROAD MILLING PICKS (I)

Asphalt and concrete milling picks for cold milling machines and pavement profilers. Forged bodies with heat treatment matched to road conditions for tip wear resistance and shank toughness.

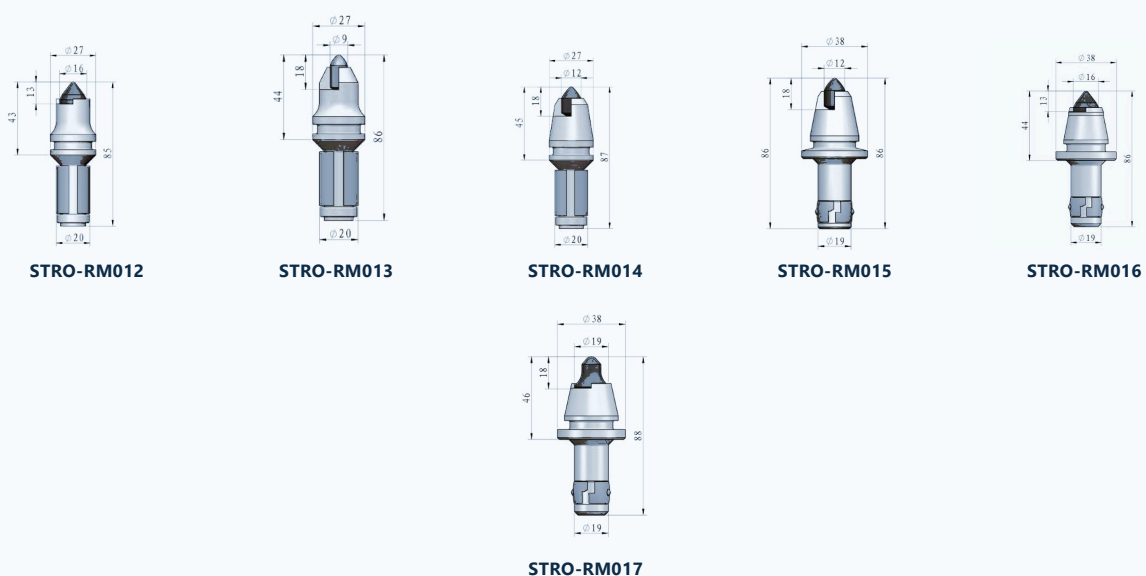
STANDARD BODY — Ø20 MM SHANK



WIDE-COLLAR BODY — Ø20 MM SHANK



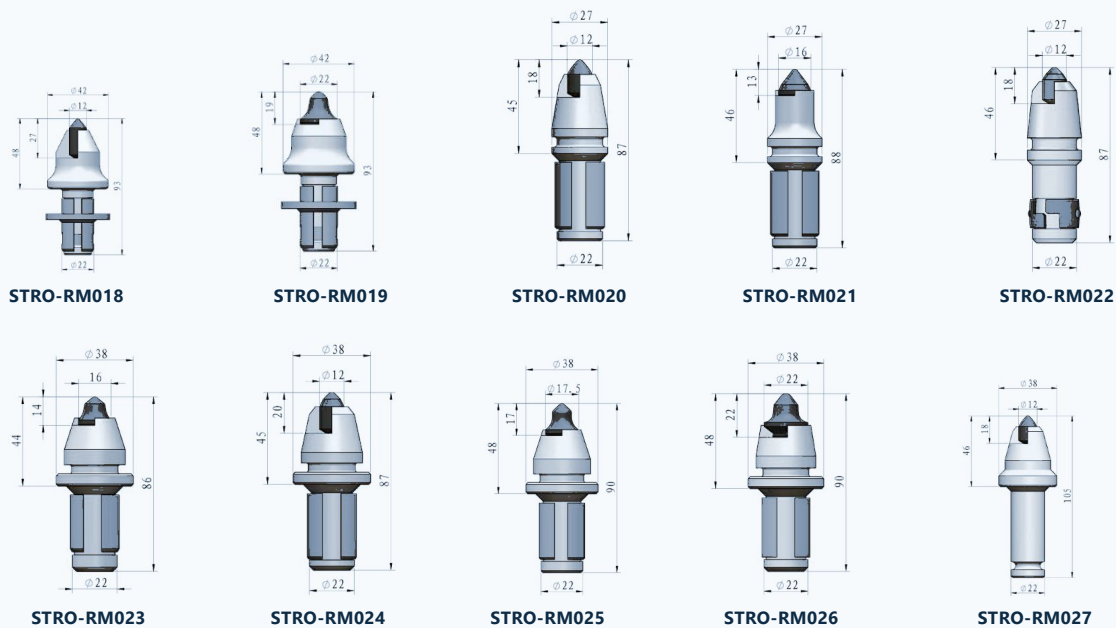
SLIM BODY — Ø20 & Ø19 MM SHANK



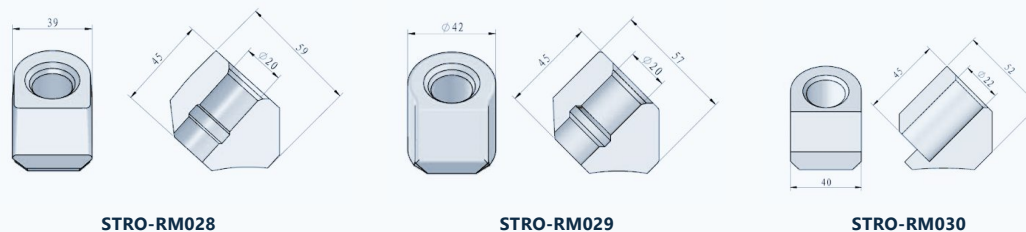
ROAD MILLING PICKS (II)

Larger-body milling picks for heavy milling, stabilising and recycling machines, with holders for Ø20 and Ø22 mm shank tools.

WIDE-COLLAR PICKS — Ø19 & Ø22 MM SHANK



HOLDERS



ORDERING & SUPPORT

Order by STROVOLT part number, stating quantity and, for shank tools, your holder system or machine model. Our engineering team can identify the correct replacement from a sample, photo or drawing, and can supply customised dimensions, carbide grades and tip shapes for OEM and project requirements. Matching holders, sleeves, retainers and wear parts are available for every series in this catalogue.

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Engineered Carbide Tooling

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India

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