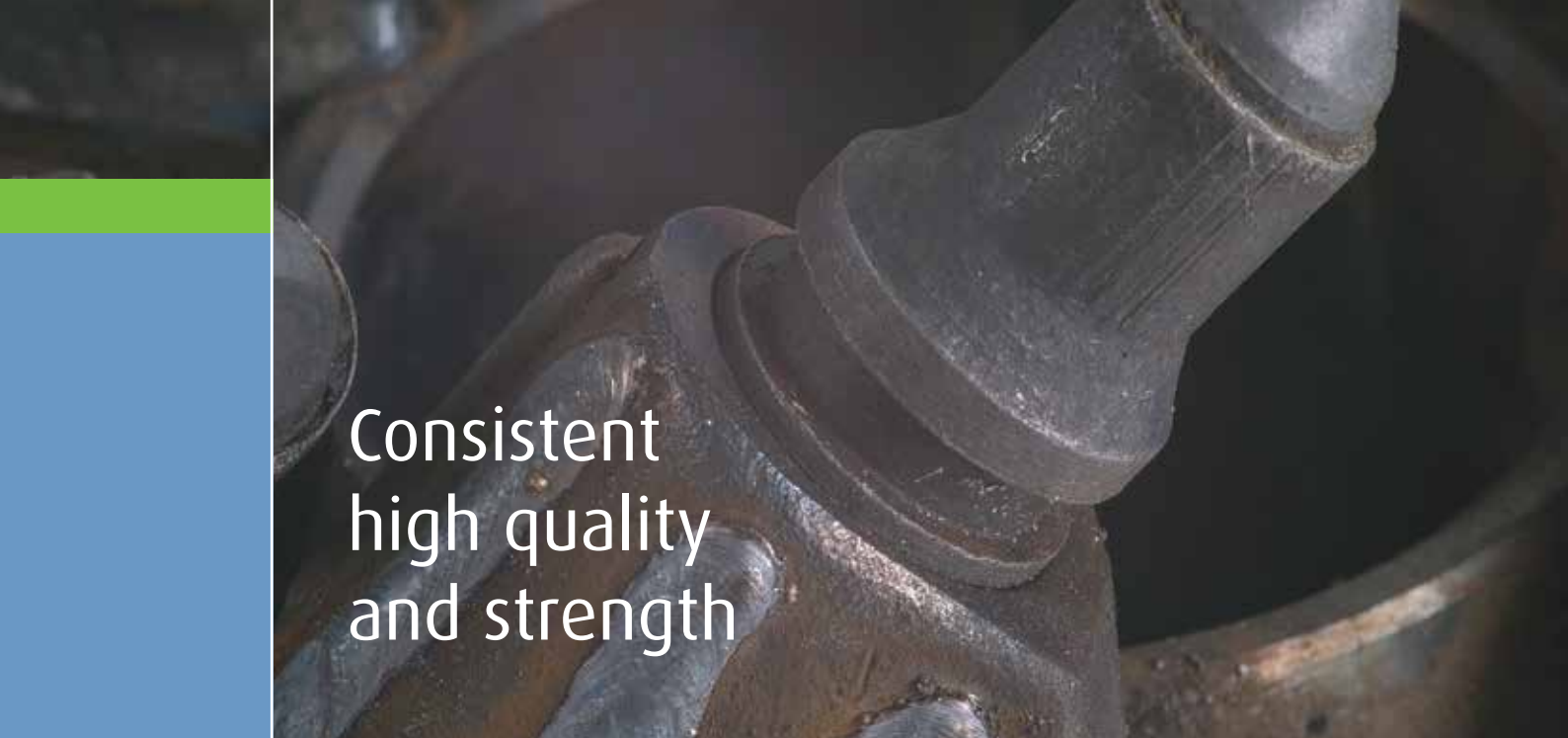


JKS BOYLES



AUGERS AND CUTTER HEADS

The Innovators



Consistent
high quality
and strength

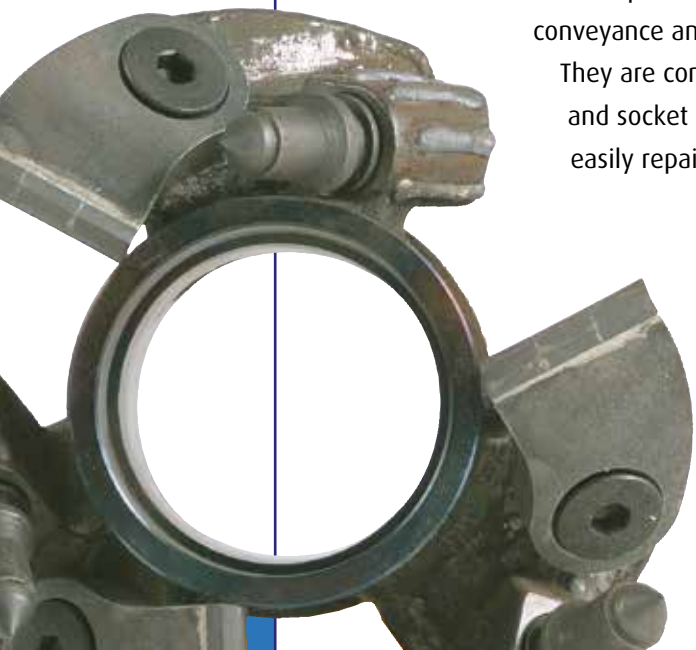
Continuous flight augers and bits

All JKS Boyles continuous flight augers are manufactured through use of an automatic inert gas metal arc welding process to assure consistent high quality and maximum strength.

Flights are formed with a slightly tapered concave surface designed to throw cuttings toward the shaft, minimising clogging and auger drag. Timed flight pitch is set at an optimum angle to produce the best conveyance of material for general auger exploration work and to maintain continuity of the flight spiral from one section to the next.

Innovative Hextube augers have many advantages over standard construction augers. In addition to superior strength, they have no shank/socket bulge to impede cutting conveyance and come with full length, flight-edge hardfacing standard. They are completely interchangeable with other augers of common shank and socket size, use all auger heads of matching shank design, and are easily repaired in the field.

The flighting and the centre shaft, made of the highest quality steels, are welded into one unit utilising inert gas metal arc welding. The centre shaft tube of the auger is hex-pierced to the hex shank size throughout its length so that shanks simply slip into the centre shaft. This design allows fast replacement of worn or broken shanks in the field.





An exclusive Hard Facing process provides highly abrasion resistant wear surfaces on each type of cutter head and lock bolt head.

Hollow stem augers and cutterheads

The hollow stem auger is recognised as a versatile, fast and effective tool for advancing the bore hole.

Once the drilling depth is achieved, the centre stem of the auger is quickly removed which allows working inside the auger using coring tools, soil sampling equipment, the In-Hole Hammer, insertion of tie back rods and cables, or environmental monitor well installations.

The hollow stem auger is widely used in conjunction with ground water monitoring applications and hazardous waste operations. Auger sizes range from 2¼" to 12¼" (57 to 311mm) I.D.

The 3-Key series offers tapered heavy-duty couplings with three chamfered, deep set, key ways and twin high-tensile lock bolts with sure grip heads for easy make and break. This exclusive design provides full torque loading throughout the heat treated coupling by dispersing the power equally to the three key ways. This ensures that the lock bolts only function in vertical auger removal.

3-Key augers are currently available in 3¼", 4¼", 6⅝", 8¼", 10¼" and 12¼" (83, 108, 168, 210, 260 and 311mm) I.D.

An exclusive Hard Facing process provides highly abrasion resistant wear surfaces on each type of cutter head and lock bolt head. Carbide insert blade and bullet bit life are extended well beyond the normal replacement point.

Using Hollow-Stem Augers

Hollow-stems are rotated dry and to various depths. Many special applications can be carried out in addition to full range soil sampling. Piezometer and well point placement, slope indicator placement, cathodic protection devices, water wells, ground water monitoring wells, diamond drilling, anchor bolt placement as well as grouting and blast hole loading are some of the jobs that hollow-stem augers facilitate.



Overshot Wireline Assembly System

Standard Hollow Stem Auger Assembly

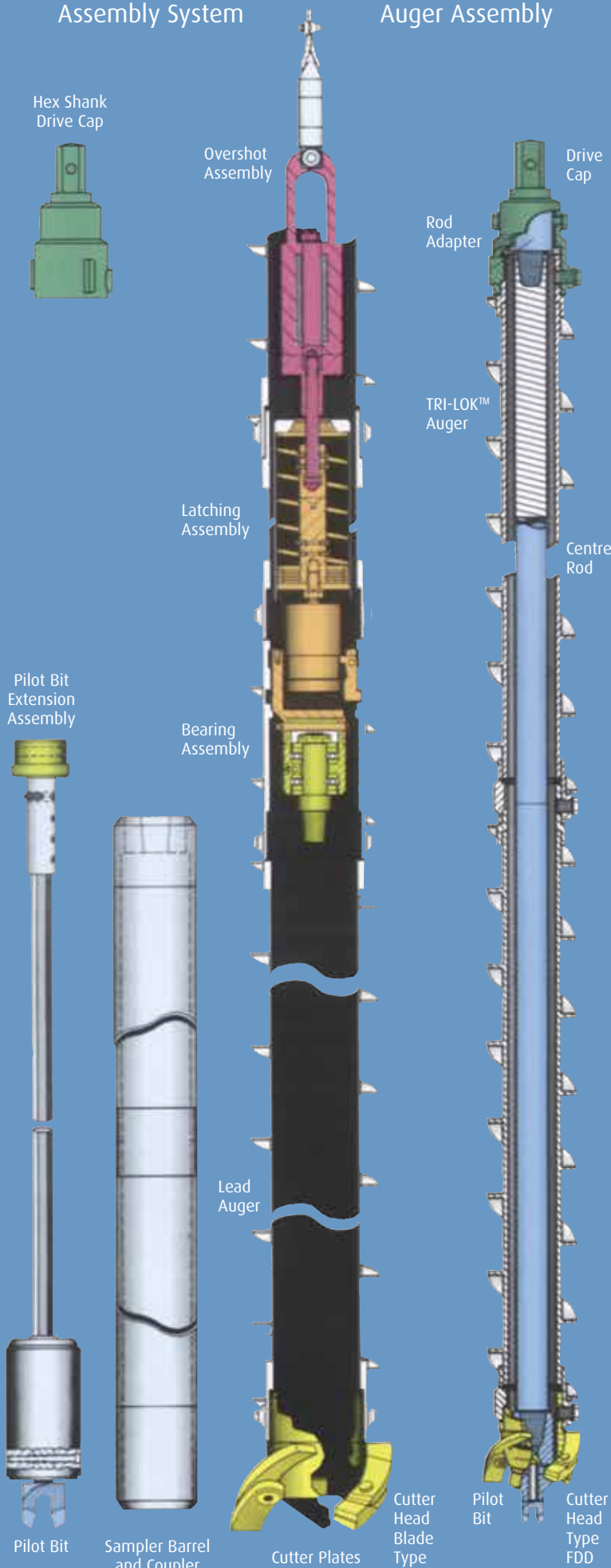
The professional approach to monitor groundwater and landfill gas

Mobile Drill designs and manufactures the most widely used sampling tools and accessories for groundwater and geotechnical applications worldwide. Combined with our complete line of Hollow Stem Augers, our equipment represents the most advanced approach for increasing the efficiency and profitability in monitoring groundwater and landfill gas. In addition, our product line enhances accuracy and safety in these applications.


To help you meet your specific challenge, Mobile Drill Hollow Stem Augers are available with threaded or key-type "TRI-LOK" couplings and with ID:s ranging from 2½" to 10¼" (64-260mm).

All versions can be combined with a wide range of drill heads designed for maximum penetration rate and with tools for simultaneous sampling using either in-hole-hammer, wireline or overshot wireline sampling methods.

Please contact us for detailed information on our product range.



JKS BOYLES



...your
assurance of
quality products
and reliable
service

Quality Reliability Service

JKS Boyles, an ISO9000 registered company, is a leading supplier to the drilling industry from blasthole drills to wireline drilling systems. This experienced organization is your assurance of quality products and reliable service. For all your drilling requirements contact your nearest JKS Boyles sales office or distributor.

We trace our origins back to the 1800's and have solved countless drilling problems combining experience and imagination and still today you can count on JKS Boyles for technical assistance and drilling equipment for any drilling project anywhere.

JKS BOYLES

UK UNIT 9, SALCOMBE ROAD, MEADOW LANE INDUSTRIAL ESTATE, ALFRETON, DERBYSHIRE DE55 7RG, UK
Tel: +44(0)1773 835323 Fax: +44(0)1773 835075 Email: sales@jks-boyles-ltd.co.uk www.jksboyles.co.uk

NEDERLAND LAURIERHOF 26, 4871 VP, ETTEN-LEUR, THE NETHERLANDS
Tel: +31 76 50 40 145 Fax: +31 76 50 40 151 Email: jksboyl@concepts.nl www.jksboyles.nl