



GEOLAB - Sprzęt Geotechniczny i Pomiarowy

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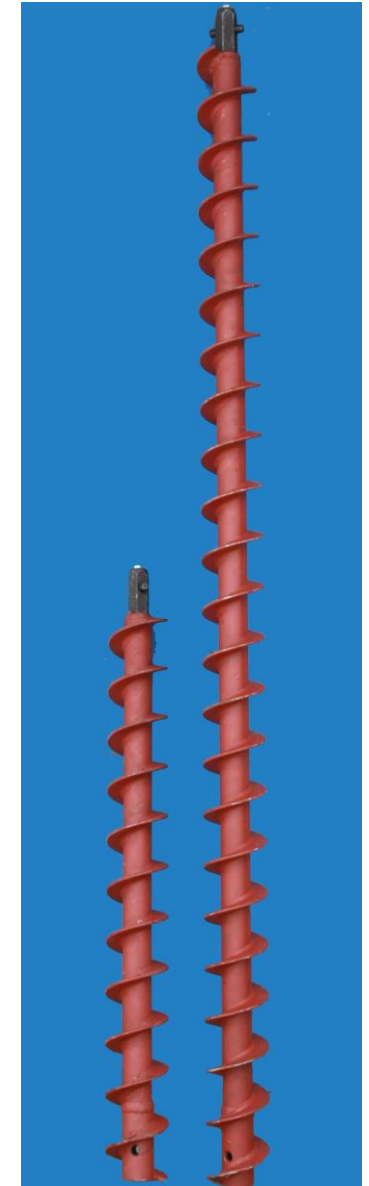
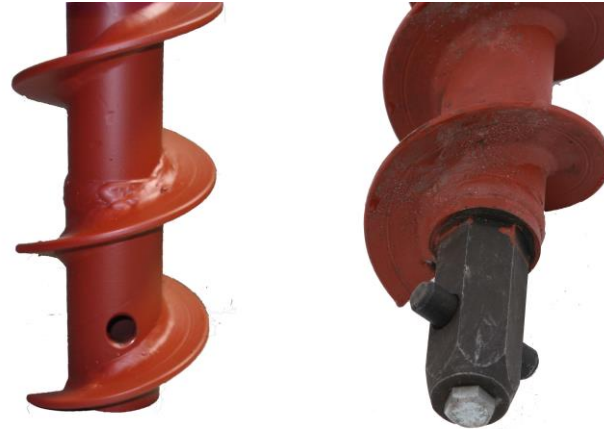
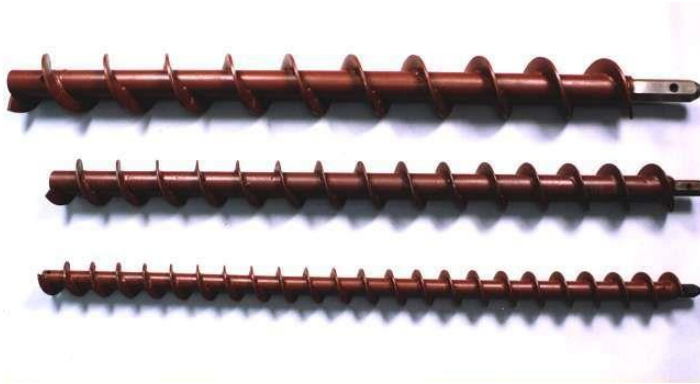
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Grunty Kruszywa Beton Asfalt

FLIGHT SPIRAL AUGERS (SINGLE-COIL AUGERS) FOR MECHANICAL DRILLING RIGS



APPLICATION

Flight augers are used for rotary drillings with wide range of possible diameters. Single-coil augers can be mounted to any type of mechanical / hydraulic drilling rig mounted on crawler tracks or vehicle, using appropriate joint.

Flight augers are commonly applied for the following purposes:

- ✚ soil investigation by coring techniques
- ✚ well drillings
- ✚ enviromental drillings
- ✚ horizontal drillings
- ✚ drilling holes for piles
- ✚ geo-physical works

Our offer contains compact augers for light drilling rigs and massive augers for big mechanical drilling rigs.

KEY FEATURES

- ✚ Available outer diameters are from 60 to 1000 mm, total length from 0,5 to 6 meters.
- ✚ It's made in shape of spiral. The spiral have a determined pitch and it's made from a flat with thickness from 3 to 20mm.
- ✚ Every single auger can be connected with others in a column by using hexagonal-, square- or conical screw-joints.
- ✚ The joint is secured by a cotter, a cotter "with a ball" or a screw



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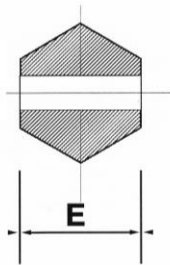
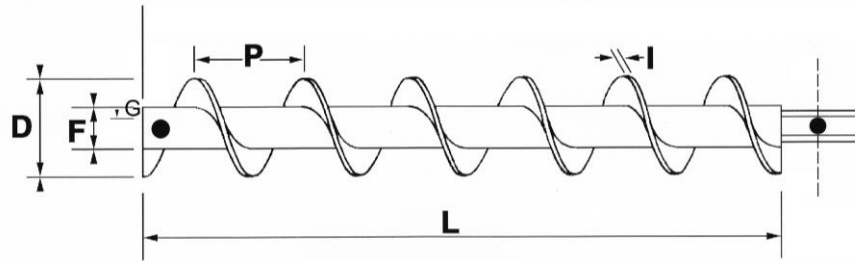
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SPECIFICATIONS



L - LENGTH OF AUGER
 D - OUTER DIAMETER
 P - PITCH
 I - COIL THICKNESS
 F - CASING TUBE DIAMETER
 G - CASING TUBE WALL THICKNESS
 E - JOINT DIAMETER

Outer diameter D (mm)	Spiral		Casing Tube		Hexagonal-joint E (mm)
	Pitch P (mm)	Coil thickness I (mm)	Diameter F (mm)	Wall thickness G (mm)	
60	55	4-5	20	5	20
64	55	4-5	25	5	20 / 24
70	60	4-5	20	5	24
75	60	4-6	25	5	24
82	65	5-6	32	5 - 6,3	32
86	65	5-6	36	5 - 6,3	32
92	75	5-6	42	5 - 6,3	32
98	75	5-6	48	5 - 6,3	32
100	80	5-6	52	5 - 6,3	32
110	80	5-6	57	6,3	32
120	100	6-8	60	6,3	32
130	110	6-8	60	6,3	36
140	120	6-8	60	6,3	36
160	130	6-8	70	6,3	46
180	150	8-10	70	6,3 - 7,1	46
200	150	8-10	70	6,3 - 7,1	46/55
220	180	8-12	90	6,3 - 7,1	46/55
240	200	8-12	90	7,1	46/55
270	220	8-12	90	7,1	46/55
310	220	8-12	90	7,1	55
400	320	8-14	90	7,1	55
500	400	8-14	101,6	8,8	55
600	480	8-14	101,6	8,8	55/65
700	560	8-14	127	8,8	55/65
800	640	8-14	127	8,8	55/85
1000	700	8-14	127	8,8	55/85

Length L : 0,5 - 6 meters

* Showed measures are most commonly used.

On request of a customer we can make other agreed dimensions.

EQUIPMENT VARIETIES

We offer two types of flight augers:

- ✚ without the water circulation for "dry" drillings
- ✚ with water circulation for a mud drilling

MAIN USERS OF OUR EQUIPMENT

- ✚ Geology and geotechnics companies
- ✚ Well-drilling companies
- ✚ Construction and foundation building companies
- ✚ Technical institutes and Polish Geological Institute



For our augers we also produce:

- ✚ Cutters: conical, spiral, "fish tail", flat bit electrode or carbide imbued
- ✚ Drilling rig – flight auger connection as agreed with customer's requirements

