



FABRYKA MECHANIZMÓW SAMOCHODOWYCH

FACTORY OF CAR MECHANISMS

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OFFERS:

I. As a part of the basic production offer

1. Cardan driving shafts suitable for:

- all Polish-made car types
- farm tractors
- self-propelled and stationary equipment for municipal, building-site and road applications
- railway and tramway vehicles
- any other equipment and machinery with drive transmission

Our driving shafts feature:

- admissible torque from 400 Nm to 12,000 Nm
- length adjustment facility from 40 mm to 110 mm
- maximum joint deflection angle from 20° to 35°, depending on shaft size
- length according to customers' request but limited by shaft speed

Shafts with intermediate support are also available when greater shaft lengths are needed.

On customers' request a choice of drive shaft subparts, such as cross-piece joints, are also assembled, using typical elements.

2. Steering gears suitable for:

- all Polish-made car types except Polski Fiat 126 manufactured by FSM
- self-propelled equipment and vehicles with a steering axle for municipal, building site and road applications
- any other equipment and vehicles with a steering axle.



Our steering gears feature:

A/ worm-and-rollers gears

- maximum steering axle load – 7, kN and 11 kN, depending on the version
- main shaft maximum momentary torque – 600 Nm and 1200 Nm, respectively
- steering drop arm deflection 40°;

B/ SCREW and-balls gears

- maximum steering axle load – 35 kN
- main shaft maximum momentary torque – 1600 Nm
- steering drop arm deflection 39°;

C/ screw-and-balls servo gears

- maximum steering axle load – 40 kN to 60 kN
- main shaft maximum momentary torque – 8400 Nm and 12450 Nm, respectively
- steering drop arm deflection 43°.

3. Steering shafts suitable for

- all Polish – made car types except Polski Fiat 126 from FSM, for which type only inner intermediate shafts are produced at our factory
- self – propelled equipment and vehicles for municipal, building-site and road applications
- any other equipment and vehicles with a steering axle.

Our steering shafts feature:

- shaft maximum momentary torque – 80 Nm and 300 Nm
- maximum deflection angle – 32° and 65°, depending on the maximum torque
- length adjustment range from 10 mm to 70 mm with a possibility of special design on request.

II. Special designs in association with the basic production offer

- manufacturing of individual and short-run driving shafts, steering gears and steering shaft in designs not under current basic production – on special request, if feasible within our current capacity

Stowarzyszenie Miłośników



Posiadaczy Motocykla i Lunak SFM

III. Services

- lathe work
- heat treatment of steel elements not exceeding 680 x 1500 mm in dimensions
- thermochemical treatment (carbonizing, cyaniding, gas nitriding, through hardening)
- induction hardening for such elements as shafts or sleeves not exceeding 300 mm in length and 60 mm in diameter
- thread-grinding (e.g. of threading rolls)
- measuring instruments reconditioning (e.g. slide calipers, micrometers, test gauges and indicators)
- plug gauge, caliper gauge and thread plug gauge manufacture
- relieving of formed cutters and hobbing cutters
- balance checking and balancing of cardan driving shafts
- galvanizing small details, such as bolts, nuts, cups, washers etc.

IV. Research and prototype projects on driving shafts steering gears and steering shafts

- prototype designing and manufacturing
- stand testing
- selection and operation consultancy

V. Servicing and reconditioning of driving shafts and steering gears

- servicing and reconditioning of driving shafts and steering gears within the scope of basic production
- servicing and reconditioning of any other types of driving shafts if possible using elements from the basic production line.

VI. Non-ferrous metal casting

- any aluminium alloys casting not exceeding 100 kg in weight and 3 mm in wall thickness, e.g. steering gear boxes, motor-car cylinder heads, suction conduits and manifolds, compressor housings, servo brake cylinders, containers, car fancy goods
- any copper alloys and zinc alloys castings not exceeding 10 kg in weight, e.g. water fittings gas fittings, ornamental castings.

Sowarzystenie Mtośników



Posiadaczy Motocykla Junak SFM