Axles

Axles are made of hardened tool steel 60HRC. Axles have the deflection to the limit of 0.01 mm and the tolerance of the diameter 0.002 mm.

Product No	Diameter	Length	Price €
#A1000	3/32"	58 mm	4.00 each
#A1002	2 mm	55 mm	5.00 each

Bushings

The bushings are made from special bronze alloy. They have the outer radial groove for adjusting the axle position. The bushings are not self-lubricating, they must be regularly lubricated with oil.

Product number	Outer Diameter	Inner Diameter	Length	Price €
#B1300	4.75 (3/16")	3/32"	2.4 mm	5.00/1 pair

Gears

Gears are moulded of premium reinforced polymer. Spur gears are offered in two versions of aluminium hubs. Either 4-40 set screw hubs or ready to glueing hubs. The overall length of spurs is 6.5 mm, the length of crown gears are 7.5 mm. The shapes of the tooth were computer designed for the lowest possible friction and the best run. Each gear is being tested on special gauges.

Polymer spur gears 80 pitch

Part No	Teeth	Diameter	Colour	Bore	Fixings	Price €
#SG830	43T	14.5 mm	red	3/32"	screw	4.90 each
#SG832	43T	14.5 mm	red	2 mm	screw	4.90 each
#SG830g	43T	14.5 mm	red	3/32"	glue	4.90 each
#SG832g	43T	14.5 mm	red	2 mm	glue	4.90 each
#SG850	45T	15 mm	yellow	3/32"	screw	4.90 each
#SG850g	45T	15 mm	yellow	3/32"	glue	4.90 each
#SG870	47T	16 mm	teal	3/32"	screw	4.90 each
#SG880	48T	16 mm	black	3/32"	screw	4.90 each

Polymer spur gears 72 pitch

Part No	Teeth	Diameter	Colour	Bore	Fixing	Price €
#SG792g	39T	14.6 mm	red	2 mm	glue	4.90 each
#SG770	37T	14.8 mm	teal	3/32"	screw	4.90 each
#SG770g	37T	14.8 mm	teal	3/32"	glue	4.90 each
#SG780	38T	14.8 mm	black	3/32"	screw	4.90 each
#SG780g	38T	14.8 mm	black	3/32"	glue	4.90 each
#SG790	39T	14.8 mm	red	3/32"	screw	4.90 each
#SG790g	39T	14.8 mm	red	3/32"	glue	4.90 each
#SG700	40T	14.8 mm	orange	3/32"	screw	4.90 each
#SG700g	40T	14.8 mm	orange	3/32"	glue	4.90 each
#SG710	41T	14.6 mm	yellow	3/32"	screw	4.90 each
#SG710g	41T	14.6 mm	yellow	3/32"	glue	4.90 each
#SG720	42T	14.6 mm	violet	3/32"	screw	4.90 each
#SG710g	42T	14.6 mm	violet	3/32"	glue	4.90 each

Polymer spur gears 64 pitch

Part No	Teeth	Diameter	Colour	Bore	Fixing	Price €
#SG650	35T	15 mm	yellow	3/32"	screw	4.50 each
#SG650g	35T	15 mm	yellow	3/32"	glue	4.50 each
#SG660	36T	15 mm	violet	3/32"	screw	4.50 each
#SG660g	36T	15 mm	violet	3/32"	glue	4.50 each
#SG670	37T	16 mm	teal	3/32"	screw	4.50 each
#SG680	38T	16 mm	black	3/32"	screw	4.50 each
#SG690	39T	16 mm	red	3/32"	screw	4.50 each

Polymer crown gears

Part No	Teeth	Diameter	Colour	Bore	Fixing	Price €
#CG733	33T72P	13.2 mm	red	2 mm	screw	8.00 each
#CG941	41T90P	13.2 mm	yellow	2 mm	screw	8.00 each
#CG427	27T48P	17.7 mm	teal	3/32"	screw	6.00 each

Pinions

Pinions are EDM made from hardened tool steel. The shapes of the tooth were computer designed for low friction and the best run. Round running of the pinions is to the limit of 0.005 mm.

Product No	Pitch	Teeth	Bore diameter	Price €
#P6620	64 pitch	6T	2 mm	18.00 each
#P6720	64 pitch	7T	2 mm	18.00 each
#P8720	80 pitch	7T	2 mm	18.00 each
#P8820	80 pitch	8T	2 mm	18.00 each
#P8615	80 pitch	6T	1.5 mm	18.00 each
#P8715	80 pitch	7T	1.5 mm	18.00 each
#P7515	72 pitch	5T	1.5 mm	22.00 each
#P9715	90 pitch	7T	1.5 mm	18.00 each

Tools

End mills are made from special high-speed steel and they are sharpened of CNC grinder machine. End mills are mounted in duralumin grip. These tools are intended only for manual machining of soft material components, not for steel.

Product No	Name	Axle Diameter	Price €
#T1250	End mill 3/32"	3/32"	53.00 each
#T1252	End mill 2 mm	2 mm	53.00 each

Spacers

Spacers are precisely CNC turned from brass.

Product No	Diameter	Length	Price €
#S0100	3/32"	1 mm	6.00/pack 20 pcs
#S0102	2 mm	1 mm	6.00/pack 20 pcs