

# Motion technology

## Screw drives: Screws and nuts



### Trapezoidal screw TGS-R, rolled design

Type	Standard	Stainless
Thread	Metric ISO-trapezoidal thread according to DIN 103-7e	Metric ISO-trapezoidal thread according to DIN 103-7e
Diameter	12 to 80 mm	12 to 50 mm
Pitch	3 to 16 mm	3 to 8 mm
Number of thread	Single- or multi-start thread	Single-start thread
Thread direction	Right-handed thread, single-start also left-handed thread	Right-handed thread
Manufacture length	< Tr30x6 to 3000 mm > Tr30x6 to 5500 mm	Standard 3000 mm
End processing	According to customer requirement	According to customer requirement

**Trapezoidal threaded nuts** (selection examples):



Ready-to-install flange nut



Flange blank nut



Travelling nut with trunnion



### Ball screw KGS-R, rolled design

Type	KGS-R
Thread	Gothic profile (pointed profile)
Diameter	12 to 80 mm
Pitch	5 to 50 mm
Number of thread	Single- or multi-start thread
Thread direction	Right-handed thread, left-handed thread partially possible
Manufacture length	KGS-12x05: 2500 mm From KGS-16x05: 3000 mm From KGS-20x05: 5500 mm (longer dimensions on request)
Accuracy	T7
End processing	According to customer requirement

**Ball screws nuts** (selection examples):



DIN Flange nut



Flange nut



Cylindrical nut

