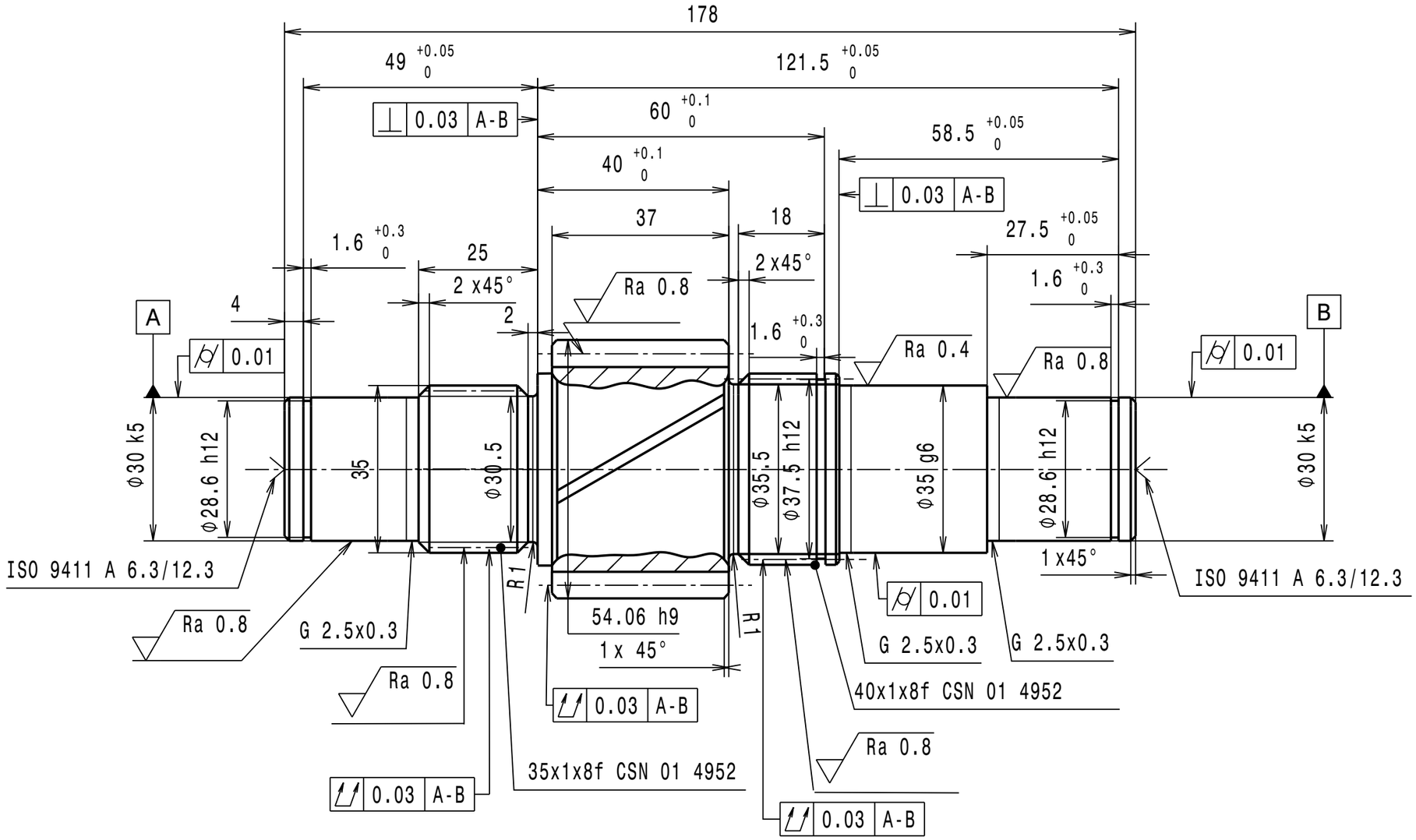

Gear		SPUR
Teeth		HELICAL
Type of worm		
Gearing		INVOLUTE
Modulus	m	2.5
Number of teeth	z	17
Stand. bsc rack t. prof.		CSN 01 4607
Profile angle	α	20°
Angle	β	30°
Helix hand		LEFT
Addendum mod. coef.	x	0
Addendum alteration	xm	
Tooth width alt.	xt	
Pitch cone angle	δ	
Accuracy grade		7-E CSN 01 4682
Dimension trought the teeth	W	-0,03 26.73 -0,07 /4
Face modulus	mt	2.89
Base diameter	db	45.26
Pitch diameter	d	49.27
Root diameter	df	42.82
Helix angle on base cyl.		
Shaft angle in house		
Centre dist. in house	aw	125
Worm diameter coef.	q	
Cone distance	R	
Root angle		
Worm lead		
Mating gear — Reference No.		-
Mating gear — Num. of teeth	z	70
Mating gear — Modulus		2.5

Ra 6.3 Ra 3.2 Ra 0.8 Ra 0.4

MATERIAL:	CSN 16 526
SEMI-PROD.:	KR 55 CSN 42 5510
PROJECTION	[ISO E]
TOLERANCING ISO 8015:	
ACCURACY ISO 2768 -	mK

+0,5 -0,5 -0,3

INDEX	CHANGE	DATE	SIGNATURE

	Signature	Date		Signature	Date		SCALE 1:1
DESIGNED	KOVAC Maros					WEIGHT: 2.012 kg	
DRAWN BY	KOVAC Maros		STANDART			MICROFILM	
			CHECKED BY			ASS DRW.	PART LIST
TECHNOL.			APPROVED			OLD DRW.	

MATERIAL:	20MnCr5 DIN 1.7147
HEAT TREATMENT:	CARBURIZE AND CASE HARDEN TO A DEPTH OF 0.5 mm
HARDNESS:	SURFACE HARDNESS 55-61 HRc

CZECH TECHNICAL UNIVERSITY IN PRAGUE

FACULTY OF MECHANICAL ENGINEERING

TITLE TYPE:

COUNTERSHAFT

DRAWING NUMBER

DT - 0000 - 01

SHEET: