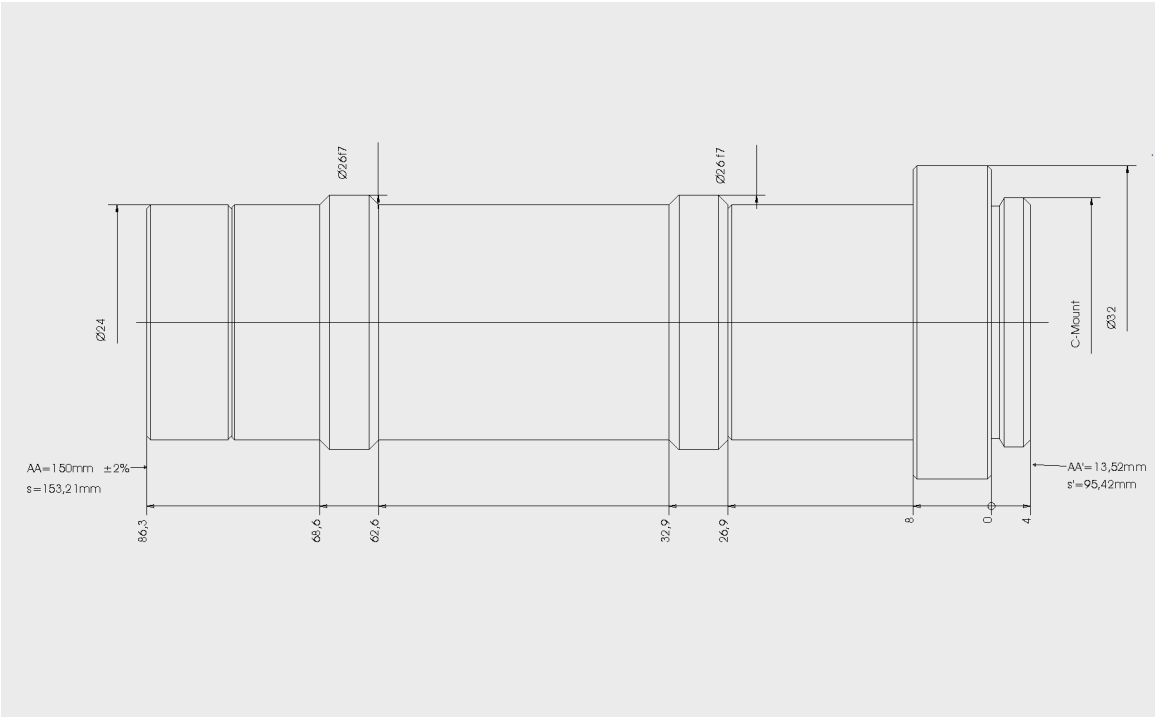
TZS12-0.64-150

Telecentric s-series objectives are measuring optics for industrial use.
The complete series contains the families TZS8, TZS12, TZS16 and TZS24.
Every family has members for 1/3", 1/2" and 2/3" sensors.
All objectives are equipped with fixed iris And fixed focus. Mechanical interfaces are perfect for integration purposes.
Customized Adjustments:
Adjustments of iris, working distance etc. Are possible any time.
Attachments:
Mounting blocks, coaxial illumination heads, ring light as well as telecentric backlight for highest precision are available on inquiry.

TZS12-0.64-150				
Ø Image circle	1/3"	1/2"	2/3"	1"
Width object field(VIS)	7,5 mm	10,0 mm	-	-
Height object field(VIS)	5,6 mm	7,5 mm	-	-
Wavelength	VIS 486 - 656 nm NIR 800 - 900 nm			
Interface	C - Mount			
Notes	All object fields are tolerated with ± 5%. OO´ indicates the whole imaging length of the image field (typically CCD chip) to the object. s means the object-sided back focus length, i. e. the distance of the front lens to the object. AA indicates the working distance, i. e. the distance of the mechanics of the object. All values are object-sided!			

Spectral range	VIS	NIR
Ø object field 1/3"	9,4 mm	9,4 mm
Ø object field 1/2"	12,5 mm	12,6 mm
Ø object field 2/3"	-	-
Ø object field 1"	-	-
Working distance (AA ± 2%)	150,0 mm	150,5 mm
Imaging length (OO´)	253,8 mm	254,4 mm
Back focus distance (s)	153,2 mm	153,7 mm
Linear magnification	1:1,6	1:1,6
MAG (ß) (± 5%)	0,64	0,64
Telecentricity	< 2,7 mrad	< 3,0 mrad
MTF @ 32 lp/mm	40%	28%
Depth of focus @16 lp/mm	± 1,9 mm	± 2,0 mm
Distortion max.	0,82%	0,98%
Aperture object-side	0,0200	0,0200



IBE OPTICS
TELECENTRIC LENSES