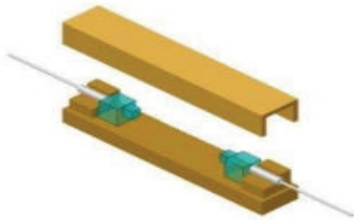
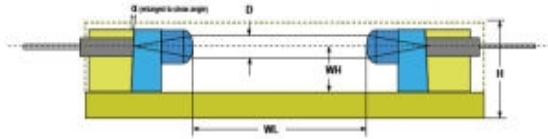


## U-Brackets

U-bracket is made up of two fiber optic collimators facing each other, with the beam waist in the middle of the air gap. The assembly has low insertion loss and low back reflection. Collimated beam between two collimators provide possibility to interact with the light beam.

Applications : U-bracket can be used as a building block for different sensors, Fabry-Perot etalons, fiber optic couplers etc.

WEBCODE:		D164-xxx	
DRAWING			
 			
SPECIFICATIONS	SYMBOL	VALUE	
Operation Wavelength	$\lambda_0$	1550 nm	
Working Distance	WD	30 mm	
Working Height	WH	4.5 mm	
Collimator focal length	$efl$	6.6 mm	
Beam Diameter	$2\omega$	1.5 mm@ 1/e <sup>2</sup>	
Baseplate		material : fused silica dimensions: 14 x 80 x 15 mm	
Overall Dimensions		Length : 80 mm - Width : 14 mm - Height : 22 mm	
Insertion Loss	I.L.	< 2.0 dB	
Back-Reflection	B.R.	< -30 dB	
Fiber Type		Corning SMF-28	
Fiber Length		1 meter	
Fiber Jacket		900 $\mu$ m buffer	
Fiber Connector		FC/APC	
Operating Temperature		TBD	
Storage Temperature		TBD	
AR coating		R < 0.5% on each lens surface	
NOTE		All specifications are customized upon request	

**NOTE : not completed - work in progress...**