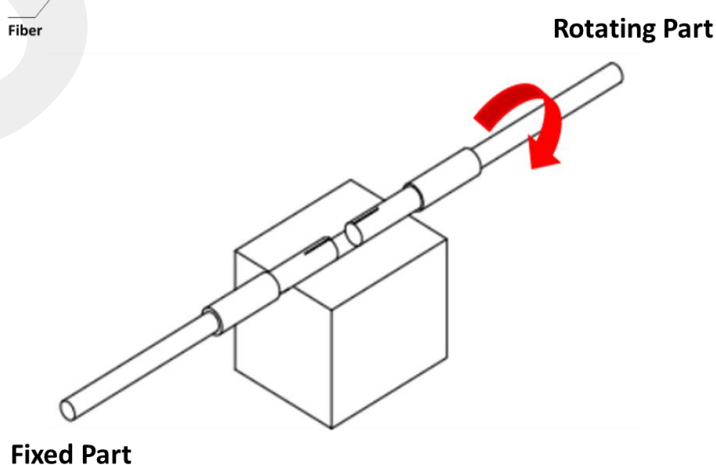
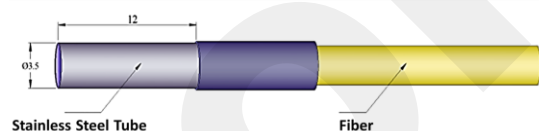


Aligned Pigtailed Fiber Collimators

Normally there exists offset or angle between Optical axis and mechanic axis of fiber collimator. That causes great insert loss. Collimators can't be plug and play or rotated in use. The offset and angle between optical axis and mechanic axis of aligned fiber collimator are eliminated with ingenious design and precise assembling. It greatly improves installation efficiency with free adjustment. It also supports rotation of fiber collimator in use and can be used in optical fiber rotary connectors and other products.



Schematic Diagram of Aligned Pigtailed Fiber Collimators



Aligned Pigtailed Fiber Collimators

1310~1550nm Single Mode Aligned Pigtailed Fiber Collimators

Wavelength (nm)	Working Distance (mm)	Waist Beam (mm)	Deflection Angle	Div. Angle (mrad)	Package Dia. (mm)	Insert Loss (dB)	Return Loss (dB)	Fiber Type	Connector
1310	0~20	0.31	< 0.1°	< 5	3.5	≤1.0	≥50	Smf-28e	FC/APC
	10~50	0.33	< 0.1°	< 5.5	3.5	≤1.0	≥50		
	50-80	0.46	< 0.1°	< 4.5	3.5	≤1.0	≥50		
1550	0~20	0.37	<0.10	< 5.5	3.5	≤1.0	≥50		
	10~50	0.38	< 0.1°	< 6	3.5	≤1.0	≥50		
	50-80	0.5	< 0.1°	< 4.5	3.5	≤1.0	≥50		

850~1550nm Multimode Aligned Pigtailed Fiber Collimators

Wavelength (nm)	Working Distance (mm)	Waist Beam (mm)	Deflection Angle	Div. Angle (mrad)	Package Dia. (mm)	Insert Loss (dB)	Return Loss (dB)	Fiber Type	Connector
850	0~50	0.75	< 0.1°	< 9	3.5	≤1.0	≥35	OM2	FC/PC
1310	0~50	0.7	< 0.1°	<12	3.5	≤1.0	≥35	OM2/OM3	
1550	0~50	0.7	< 0.1°	< 12	3.5	≤1.0	≥35	OM2/OM3	