

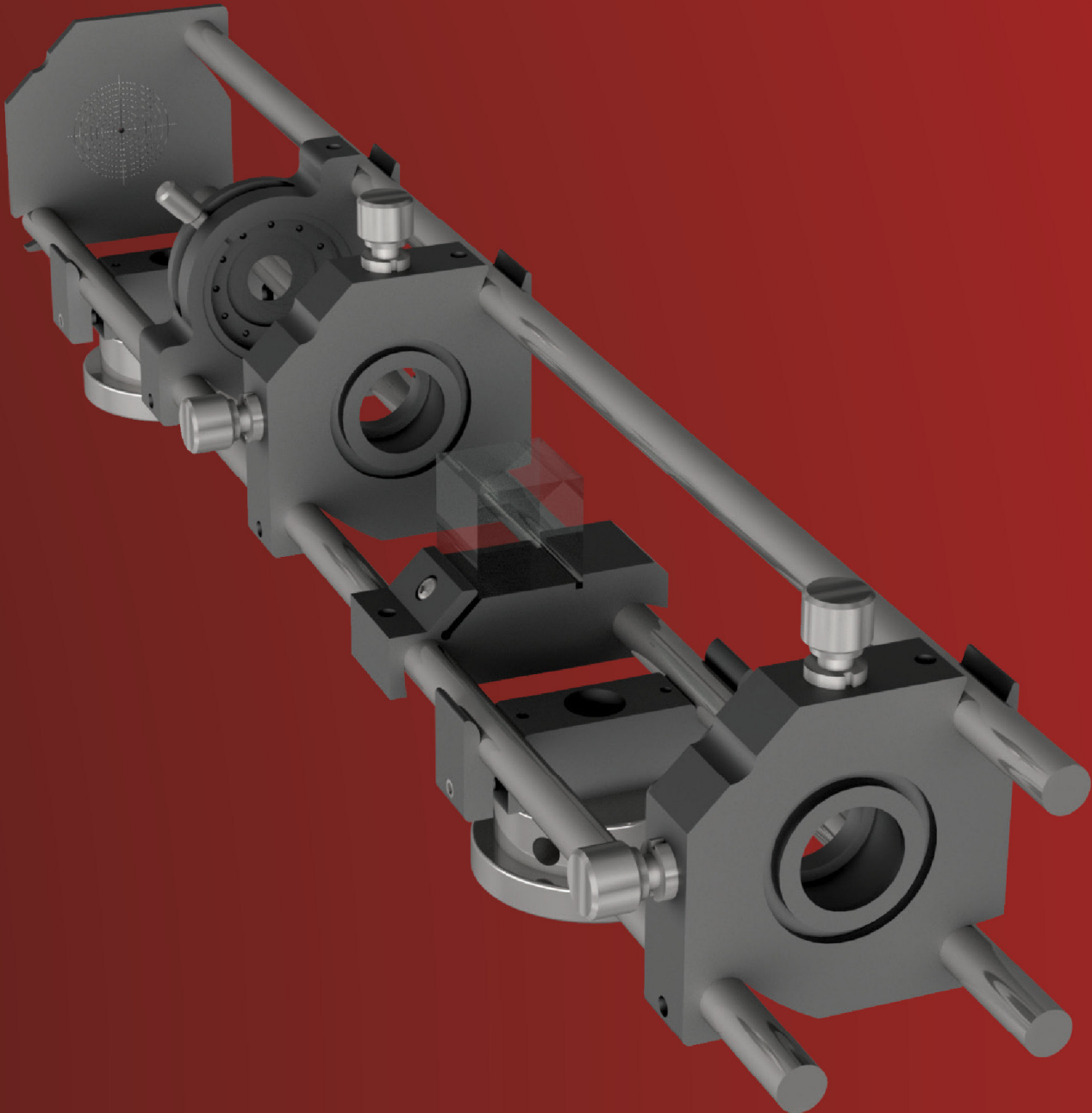
Application Systems

Optics and Optical Coatings

Opto-Mechanics

Manual Positioners

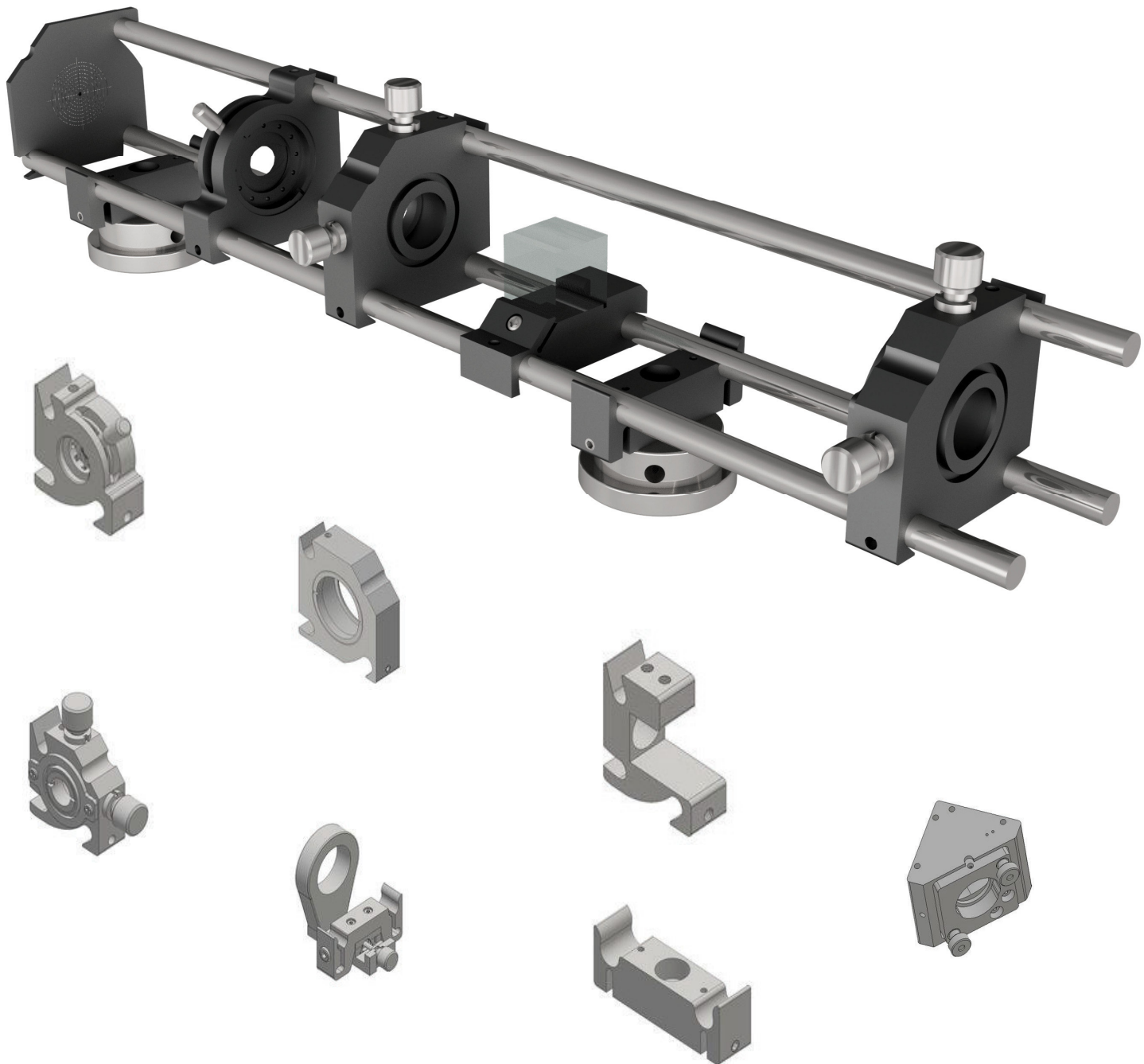
Motion Control Products



Cage System

The OptoSigma Cage System is a family of components that allow optical systems to be built using a rigid, easy to assemble framework. There are two sizes available, the P16 (16mm pitch between the rods) for 1/2 inch (12.7mm) optics and the P30 (30mm pitch between the rods) for 1 inch (25.4mm) optics.

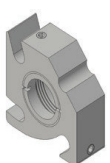
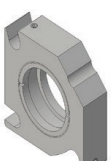
A variety of holders are available for mounting mirrors, lens, polarizers, beamsplitter cubes and C-mount cameras.



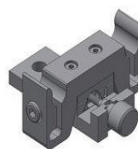
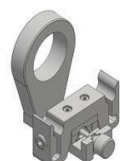
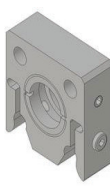
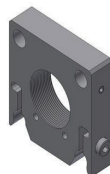
SPIE Photonics West 2017

List of Cage System(Φ6 P30)

List of Cage System(Φ4 P16)

	Part number	NDK-016-20-01-Φ6-20□-300		Part number	NDK-016-38-01-Φ4-20□-300
	Description	CageRO-φ6-20□-300		Description	CageRO-φ4-20□-300
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Length(mm)	20,30,50,100,155,200,300		Cage Posts Length(mm)	20,30,50,100,155,200,300
	Part number	NDK-016-29-254		Part number	NDK-016-29-127
	Description	Slot in Mirror Holder(25.4)		Description	Slot in Mirror Holder(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics Dia.(mm)	Φ25.4		Compatible Optics Dia.(mm)	Φ12.7
	Part number	NDK-016-30-254		Part number	NDK-016-30-127
	Description	Slot in Lens_Filter Holder(25.4)		Description	Slot in Lens_Filter Holder(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics Dia.(mm)	Φ25.4		Compatible Optics Dia.(mm)	Φ12.7
	Part number	NDK-016-31-254		Part number	NDK-016-31-127
	Description	Slot in Lens_Filter Holder(25.4) Thick		Description	Slot in Lens_Filter Holder(12.7) Thick
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics Dia.(mm)	Φ25.4		Compatible Optics Dia.(mm)	Φ12.7
	Part number	NDK-016-29-254_127ADP			
	Description	Mirror adapter(25.4-12.7)			
	Size(mm)	Φ25.4 t=9			
	Compatible Optics Dia.(mm)	Φ12.7			
	Compatible Optics Thickness(mm)	MAX5			
	Part number	NDK-016-29-30_127ADP			
	Description	Mirror adapter(30-12.7)			
	Size(mm)	Φ30 t=9			
	Compatible Optics Dia.(mm)	Φ12.7			
	Compatible Optics Thickness(mm)	MAX5			
	Part number	NDK-016-32-40			
	Description	Slot in Objective Holder(20.32x0.706)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Compatible objective lens(mm)	Φ20.32x0.706(36TPI)			
	Part number	NDK-016-32-02-40			
	Description	Slot in Objective Holder(26x0.706)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Compatible Optics Dia.(mm)	Φ26x0.706(36TPI)			

List of Cage System(Φ6 P30)			List of Cage System(Φ4 P16)		
	Part number	NDK-016-20-1		Part number	NDK-016-20-1-127
	Description	Right angle mirror holder(25.4)		Description	Right angle mirror holder(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics(mm)	Φ25.4 t=4~10		Compatible Optics(mm)	Φ12.7 t=3~5
	Adjustment Range(°)	Tilt±3 / Rotation±3		Adjustment Range(°)	Tilt±3 / Rotation±3
	Part number	NDK-016-21		Part number	NDK-016-21-127
	Description	Polarizer Holders(25.4)		Description	Polarizer Holders(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics(mm)	Φ25.4 t=2~10		Compatible Optics(mm)	Φ12.7 t=2~5
	Adjustment Range	360° Scale MIN Reading:2°		Adjustment Range	360° Scale MIN Reading:2.5°
	Part number	NDK-016-26		Part number	NDK-016-26-127
	Description	Two-axis Holder(25.4)		Description	Two-axis Holder(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics(mm)	Φ16~t= 9~M16.85×0.75		Compatible Optics(mm)	Φ10~t= 6~M10.85×0.75
	Adjustment Range(mm)	±1.5		Adjustment Range(mm)	±0.5
	Part number	NDK-016-27			
	Description	Object adapter(M16.85_Φ20.32×0.706)			
	Size(mm)	Φ25 t=12.5 M16.85×0.75			
	Compatible objective lens(mm)	Φ20.32×0.706(36TPI)			
	Compatible Holders	Two-axis Holder(25.4)			
	Part number	NDK-016-23		Part number	NDK-016-23-127
	Description	Iris Diaphragm Holders(25.4)		Description	Iris Diaphragm Holders(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Aperture Dia.(mm)	MAXΦ15~MINΦ0.9		Aperture Dia.(mm)	MAXΦ8~MINΦ0.7
	Part number	NDK-016-24-01		Part number	NDK-016-24-127-01
	Description	prism Holders(15)		Description	prism Holders(15)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics Dia.(mm)	~15		Compatible Optics Dia.(mm)	~10
	Part number	NDK-016-24-02			
	Description	prism Holders(15-1)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Compatible Optics Dia.(mm)	~15			
	Part number	NDK-016-24-03			
	Description	prism Holders(20)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Compatible Optics Dia.(mm)	~20			

List of Cage System(Φ6 P30)			List of Cage System(Φ4 P16)		
	Part number	NDK-016-25-01			
	Description	Alignment Holders(25.4)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Alignment Ring Dia.s	φ3,φ5,φ7,φ9,φ11,φ13,φ15,φ17			
	Part number	NDK-016-28-1			
	Description	Cage Z axis stage			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Travel(mm)	±5			
	Part number	NDK-016-28-2			
	Description	Objective lens holder(25.4)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Travel(mm)	±5			
	Compatible objective lens(mm)	Φ20.32×0.706(36TPI)			
	Part number	NDK-016-34-40-05-1		Part number	NDK-016-34-25-05-1
	Description	Base Plate40_(25.4)		Description	Base Plate25_(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Compatible Optics(mm)	Φ25.4		Compatible Optics(mm)	Φ12.7
	Adjustment Range(mm)	□6		Adjustment Range(mm)	□3
	Part number	NDK-016-34-40-03-1			
	Description	Base Plate40_(Objective20.32)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Compatible objective lens(mm)	Φ20.32×0.706(36TPI)			
	Part number	NDK-016-34-40-04-1			
	Description	Base Plate40_(Objective26)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Compatible objective lens(mm)	Φ26×0.706(36TPI)			
	Part number	NDK-016-34-40-01-1			
	Description	Base Plate40_(Large Dia.)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Dia. (mm)	Φ35			
	Part number	NDK-016-34-40-02			
	Description	Base Plate40_(Tube)			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Inner Dia. (mm)	Φ30.5			

List of Cage System(Φ6 P30)			List of Cage System(Φ4 P16)		
	Part number	NDK-016-35-02		Part number	NDK-016-35-01
	Description	Rod mounting base(25.4)		Description	Rod mounting base(12.7)
	Cage Posts Dia.(mm)	Φ6		Cage Posts Dia.(mm)	Φ4
	Cage Posts Pitch(mm)	30		Cage Posts Pitch(mm)	16
	Part number	NDK-016-35-1-02		Part number	NDK-016-35-1-01
	Description	30 mm adapter		Description	16 mm adapter
	Part number	NDK-016-36-01			
	Description	Rod pitch conversion plate(16-32)			
	Cage Posts Dia.(mm)	Φ6□□□Φ4			
	Cage Posts Pitch(mm)	30□□□16			
	Part number	NDK-016-33			
	Description	Slot-in type C mount mounting plate			
	Cage Posts Dia.(mm)	Φ6			
	Cage Posts Pitch(mm)	30			
	Inner Dia. (mm)	Φ32			
	Part number	NDK-016-33-02ADP_Int			
	Description	Camera mounting adapter_Int			
		Φ25.4×0.794(32TPI)			
	Part number	NDK-016-33-02ADP_Ext			
	Description	Camera mounting adapter_Ext			
		Φ25.4×0.794(32TPI)			



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