RiDK series

F/7 TELESCOPES FROM 400MM TO 800MM

OFFICINASTELLARE
OUR WORLD, YOUR SPACE

SPECIFICATIONS:

Optical set:	Officina Stellare Riccardi Dall-Kirkham proprietary optical scheme
Primary mirror diameter:	from 400 mm to 800mm
Focal ratio:	F/7
Focal length:	from 2800 mm to 5600mm
Linear obstruction:	48%
Full corrected and illuminated field:	from 70mm to 90mm
Weigth:	from 40Kg to 220kg
Back focus length from back plate:	240mm
RMS polychromatic (410 to 750 nm) spot size:	under 3 micron on axis
RMS polychromatic (410 to 750 nm) spot size:	under 5 micron @ 40 mm off axis

Standard configuration:
Low expansion glass optical set, carbon/aluminum truss tube design, splitted light baffle, four support dovetails, three ventilation fans and mirrors heaters with manual control, shroud and cap covers. Primary cell detachable for an easy cleaning of mirror. AVAILABLE IN FULL CARBON, ATHERMIC LIGHTWEIGHT TRUSS TUBE.

Optional accessories: 0.75x reducer, digital or manual back plate focusers (only for 400mm), rotators, secondary mirror focuser (from 500mm), mirror shutters, OS Bus advanced electronic, customized imaging train parts and more. Available also with Officina Stellare mount.

DISCOVER THE WHOLE SERIES ON: WWW.OFFICINASTELLARE.COM

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Credits: Harel Boren

Almost everyone knows about the high level of innovation and technology that comes with any OS products, it's clear at first sight.
Many knows that we've introduced new optical designs for nowdays demanding marketplace among amateurs and professionals, it is the base of our company, trying to be "smart" and one step beyond. So: we did it again!
Our challenge was to develop something different from a "Corrected RC", with the same number of elements, the same pros (large corrected field, small spot size), but not the same cons (high cost and difficult to align). Is that possible? Yes, it is possible!
The answer is the new RiDK Range from Officina Stellare.
The RiDK Range (Riccardi Dall-Kirkham) represents the new reference point for all modified Dall-Kirkham instruments available on the market. The unique experience and creativity of Massimo Riccardi, Chief Optical Designer at Officina Stellare, gives birth to a new class astrograph of superior performance and image quality. The results are simply amazing: an optical system based on a spherical secondary mirror (then very easy to aling!) able to deliver minimum 70mm large corrected and flat field (depending from diameter) that with a polychromatic (range 400 to 750 nm) maximum 4 micron spot size at field edge! These outstanding optics are mounted inside the state of the art OS truss mechanics used in all the OS open tube architecture telescopes. The same mechanics approved and used from worldwide research institutes for professional studies, designed to be thermal stable versus temperature change.
The RiDK series is 100% Made in Italy.
Optics are made in Occhiobello Plant under the strict quality control of Massimo Riccardi. The mechanics, designed by our R&D Manager, Giovanni Dal Lago, are engineered, manufactured and assembled at the Sarcedo plant. The RiDK is the ultimate astroimaging telescope for whoever desires just the best in imaging all of the deep sky wonders in a beautiful, compact and superbly manufactured instrument. The long back focus allows any type of accessories to mounted, including cameras and rotators. It's the telescope for anybody believes that imaging the Universe is one of the most important, serious and fullfilling experience for all night sky's lovers and for for those who believe that images perfection is the minimum to which to aspire.

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