



PRODUCT SHEET

Refine

English Version

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Refine

Experience gaming comfort

Fractal Refine is designed to provide a comfortable, versatile place to sit and become fully and enjoyably immersed in the gaming experience. Taking inspiration from modern gaming spaces, Scandinavian furniture design and research-led ergonomic science, it fuses the ergonomic comfort of high-end office chairs together with intuitive controls and an aesthetic designed to elevate the gaming station.



KEY FEATURES

Key features

- ▶ Enjoy the lasting comfort of foam cushioning or adaptive mesh, a memory foam headrest and soft, padded armrests.
- ▶ Introduce soft fabric, breathable mesh or Alcantara® to your gaming station paired with a clean yet dynamic design expression.
- ▶ Recline ergonomically with the synchro-tilt mechanism which moves in tandem with your body, supported by lockable tilt and adjustable tension.
- ▶ Find your ideal gaming position with 4D armrests, a height-adjustable headrest, and a height and depth-adjustable seat.
- ▶ Adjust the depth and height of the built-in lumbar support to optimize ergonomic comfort for your back.
- ▶ Designed to last with durable materials, a glass-fiber reinforced frame and sturdy aluminum wheelbase.
- ▶ Move fluidly with hubless casters made from materials which help absorb shock, reduce noise and protect floors.



SPECIFICATIONS

Construction/Material	Mesh	Fabric	Alcantara® (Fabric)
Frame	Glass fiber reinforced (20-30%) PP/PA	Glass fiber reinforced (20-30%) PP/PA	Glass fiber reinforced (20-30%) PP/PA
Seat	Mesh and cold cured foam (Mesh version)	Cold cured foam	Cold cured foam
Back	Mesh and cold cured foam (Mesh version)	Cold cured foam	Cold cured foam
Headrest	Memory foam	Memory foam	Memory foam
Wheelbase	Aluminum	Aluminum	Aluminum
Casters	Hubless 65 mm with soft PU wheels	Hubless 65 mm with soft PU wheels	Hubless 65 mm with soft PU wheels
Gas Piston	120 mm Class 4	120 mm Class 4	120 mm Class 4
Mechanism	Synchro-tilt	Synchro-tilt	Synchro-tilt
Armrests	Plastic cover with aluminum mechanism and steel bracket	Plastic cover with aluminum mechanism and steel bracket	Plastic cover with aluminum mechanism and steel bracket
Arm Caps	Soft PU foam with TPU cover	Soft PU foam with TPU cover	Soft PU foam with TPU cover
Lumbar support	Height and depth adjustable	Height and depth adjustable	Height and depth adjustable
Fabric Cover	Nylon reinforced mesh (Mesh version), woven non-organic fabric	Woven non-organic fabric	Alcantara (Alcantara version)



SPECIFICATIONS

Adjustability	Mesh	Fabric	Alcantara® (Fabric)
Seat Height (from floor)	490 mm – 610 mm	475 mm – 595 mm	475 mm – 595 mm
Seat Depth	450 mm – 505 mm	425 mm – 480 mm	425 mm – 480 mm
Armrest Height (from Seat)	145 mm – 255 mm	160 mm – 270 mm	160 mm – 270 mm
Armrest to Armrest	430 mm – 560 mm	420 mm – 560 mm	420 mm – 560 mm
Armrest Rotation Adjustability	±15°	±15°	±15°
Armrest Depth Adjustability	60 mm	60 mm	60 mm
Lumbar Support Height adj.	110 mm	110 mm	110 mm
Lumbar Support Depth adj.	20 mm	20 mm	20 mm
Max Back Tilt	125° (~130° under load)	125° (~130° under load)	125° (~130° under load)
Tilt Mechanism	Donati Dynamic	Donati Dynamic	Donati Dynamic
Back/Seat Tilt Ratio	2:1	2:1	2:1
Lockable tilt positions	13	13	13
Free tilt	Yes	Yes	Yes
Headrest Height Adj.	120 mm	120 mm	120 mm



SPECIFICATIONS

Measurements	Mesh	Fabric	Alcantara® (Fabric)
Headrest Width	210 mm	210 mm	210 mm
Headrest Depth	80 mm	80 mm	80 mm
Headrest Height	185 mm	185 mm	185 mm
Lumbar Support Pad Height	110 mm	110 mm	110 mm
Lumbar Support Pad Width	260 mm	260 mm	260 mm
Seat pad width	550 mm	540 mm	540 mm
Seat pad depth	465 mm	460 mm	460 mm
Seat width (between seams)	435 mm	435 mm	435 mm
Arm Cap Length	250mm	250mm	250mm
Arm Cap Width	110mm	110mm	110mm
Back Height from floor	1340 mm – 1465 mm	1340 mm – 1465 mm	1340 mm – 1465 mm
Back Height from seat	860 mm	875 mm	875 mm
Back Width	530 mm	530 mm	530 mm
Caster Size	65 mm	65 mm	65 mm
Wheelbase Diameter	700 mm	700 mm	700 mm



SPECIFICATIONS

General	Mesh	Fabric	Alcantara® (Fabric)
Certifications	Bifma X5.1, CAL TB 117, EN1021-1/-2	Bifma X5.1, EN1335-1 , BS5852 OR CAL TB 117 + EN1021-1/-2	Bifma X5.1, EN1335-1 , BS5852 OR CAL TB 117 + EN1021-1/-2
Weight Capacity	125kg	125kg	125kg
Warranty	5 years	5 years	5 years
	3 years (Upholstery and cover material, including fabric and mesh)	3 years (Upholstery and cover material, including fabric)	3 years (Upholstery and cover material, including fabric)
Recommended User Size			
Height	1.65m – 2.0m	1.65m – 2.0m	1.65m – 2.0m
Weight	60kg – 125kg	60kg – 125kg	60kg – 125kg
Packaging			
Net weight	25.7 kg	25.7 kg	25.8 kg
Package dimensions (LxWxH)	107x68x39 cm	107x68x39 cm	107x68x39 cm
Gross weight	35.7 kg	35.7 kg	35.8kg



Package contents

Mesh	Fabric	Alcantara® (Fabric)
Seat base with synchro-tilt mechanism	Seat base with synchro-tilt mechanism	Seat base with synchro-tilt mechanism
Backrest with built in lumbar support	Backrest with built in lumbar support	Backrest with built in lumbar support
Wheelbase	Wheelbase	Wheelbase
Headrest	Headrest	Headrest
Large Accessory box	Large Accessory box	Large Accessory box
Quick Start Guide	Quick Start Guide	Quick Start Guide
Designers note + envelope	Designers note + envelope	Designers note + envelope



Additional information

Product	SKU	EAN	UPC	JAN
Refine Mesh Dark	FD-CH-RE1M-01	7340172706687	843276106683	4537694341820
Refine Mesh Light	FD-CH-RE1M-02	7340172706694	843276106690	4537694341837
Refine Mesh Dark (UK)	FD-CH-RE1M-03	7340172706700	843276106706	4537694341844
Refine Mesh Light (UK)	FD-CH-RE1M-04	7340172706717	843276106713	4537694341851
Refine Fabric Dark	FD-CH-RE1F-01	7340172706724	843276106720	4537694341868
Refine Fabric Light	FD-CH-RE1F-02	7340172706731	843276106737	4537694341875
Refine Fabric Dark (UK)	FD-CH-RE1F-03	7340172706748	843276106744	4537694341882
Refine Fabric Light (UK)	FD-CH-RE1F-04	7340172706755	843276106751	4537694341899
Refine Alcantara Dark	FD-CH-RE1A-01	7340172706762	843276106768	4537694341905
Refine Alcantara Dark (UK)	FD-CH-RE1A-02	7340172706779	843276106775	4537694341912



