



BSC – Curved Rails

Mfg By T-Race

BSC curved rail guides are ideal for applications where you wish to precisely move in a circular or along a constant radius path.

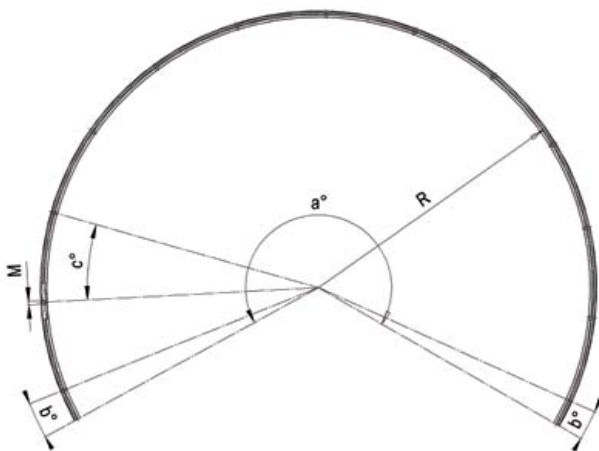
Such examples include robotic welding systems where you need to weld around the circumference of large cylindrical vessels or tanks. Other applications include door systems on curved machine housings.

BSC curved rails are a cost effective solution that can be used in any application where you need a mechanical system to move a payload along a non linear circular path.

You choose the sweep angle (a°) and the radius (R). Minimum radius starts at 500 mm (19.69 inches) and 600 mm (23.62 inches) for the 28 and 43 size rails, respectively.



RAIL SPECIFICATION



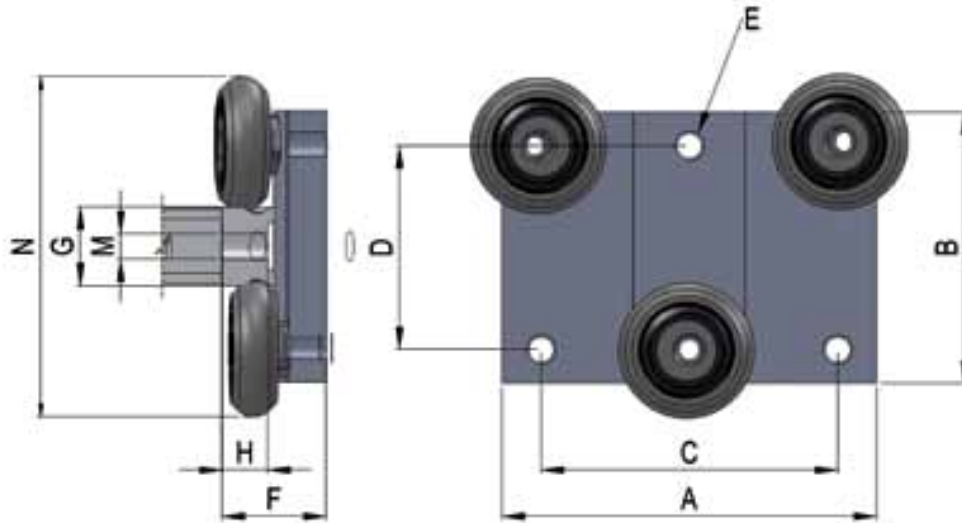
RAIL TECHNICAL DATA						
Part Number	R Min (mm)	Length (mm)	Sweep Angle a°	Rail Mounting Holes		
				Position b°	Pitch c°	M (mm)
BSC28	500	3000				Ø 5.5
BSC43	600	4000				Ø 6.5

Dimensions specified by customer





SLIDER SPECIFICATION



SLIDER TECHNICAL DATA														
Part Number	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	N (mm)	H (mm)	G (mm)	E (mm)	Load Capacity				
										Rad Co (N)	Axial Co (N)	M _x	M _y	M _z
RBS28-3	60	50	40	35	17.3	53.7	6.4	14.4	M5	800	400	2	6	8
RBS43-3	90	80	60	58	24.7	90.7	12.2	21	M6	1600	800	6	18	24

