MAGAZINO

Environment

SOTO 2

This document is subject to change without notice.

Aisles

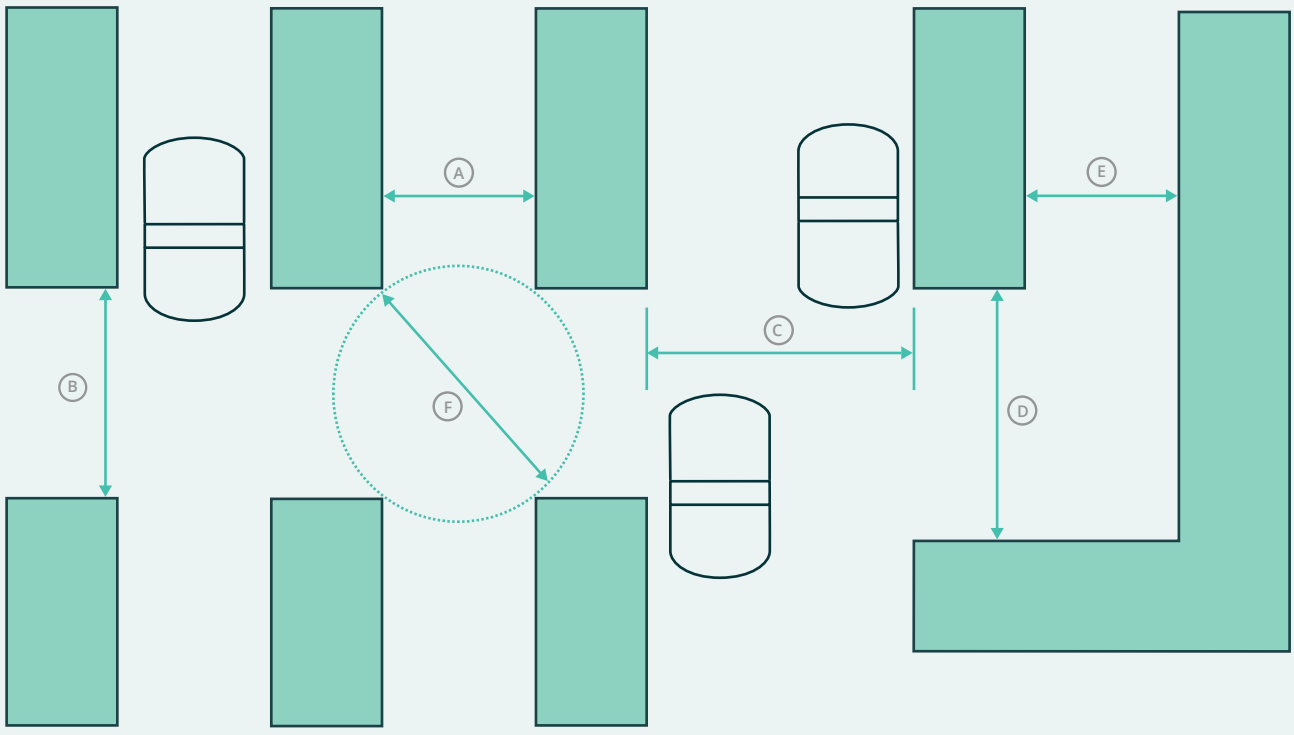
		optimal	minimal
Width to drive slow (one-way traffic)	A	1800 mm	1650 mm
Width to drive fast (one-way traffic)	B	2800 mm	2510 mm
Width of dead ends		3500 mm	1650 mm
Width for 2 SOTOs to move past each other (slow)	C	4000 mm	3100 mm
Width for 2 SOTOs to move past each other (fast)		5500 mm	4520 mm
Size of L intersection (equal aisles)	D x E	2500 mm x 2500 mm	2100 mm x 2100 mm
Size of L intersection for smallest aisle	D x E	3000 mm x 1800 mm	2650 mm x 1650 mm
Size of L intersections (formula)		D = (3000 + 1800 - E) mm	D = (2650 + 1650 - E) mm
Turning Diameter	F	3500 mm	3100 mm

Floor

Permitted surface load		750 kg/m²	500 kg/m²
Gap width in floor to drive over	G	0 mm	20 mm
Height of traversable step to drive over with full speed	H	0 mm	5 mm
Max. slope of floor for “manual” driving	I	0°	5°
Max. slope of floor for autonomous driving	I	0°	0°

Additional floor properties according to Industry floors specified in DIN 18202

Top view



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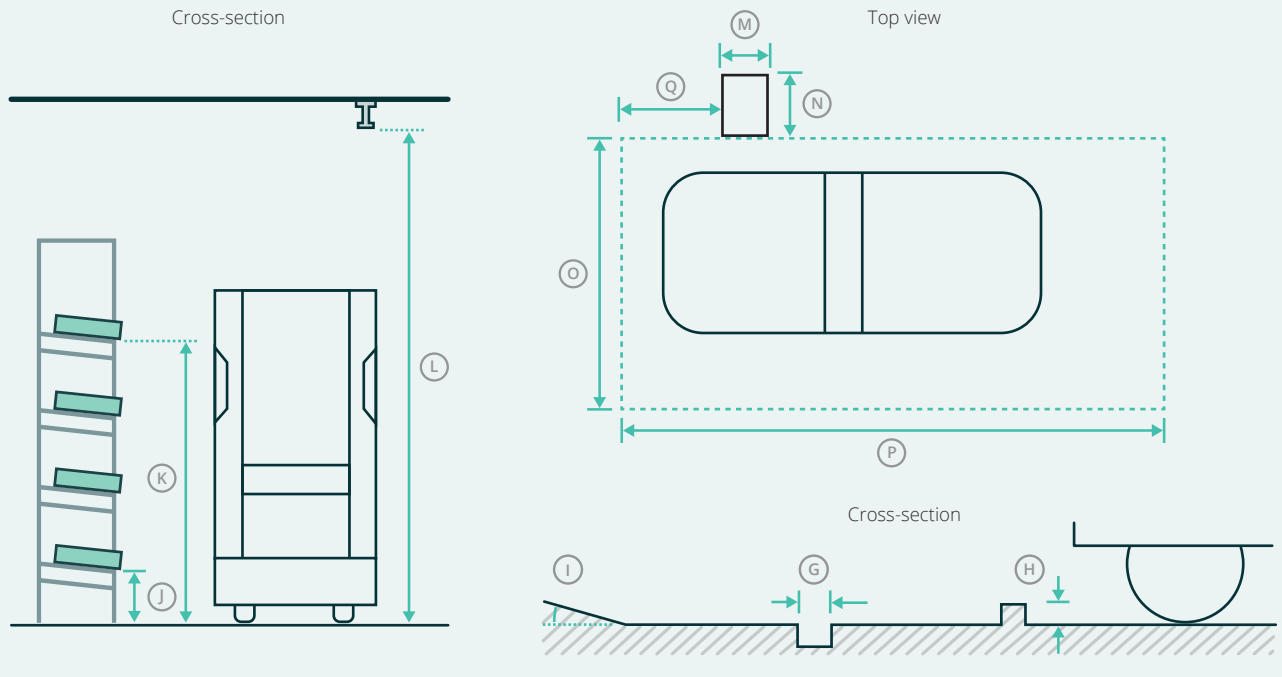
		optimal	minimal
Grasping			
Min. grasping height, lateral picking	J	400 mm	400 mm
Min. grasping height, frontal picking		500 mm	500 mm
Max. grasping height for KLT, lateral picking	K	1600 mm	1600 mm
Max. grasping height for KLT, frontal picking		1600 mm	1600 mm
Obstacles			
Min. pass through height in operation	L	2200 mm	2200 mm
Height of laser scanners		120 mm	120 mm
Charging station			
Width of charger	M	300 mm	300 mm
Depth of charger	N	800 mm	800 mm
Depth in front of charging station (with rotation / without rotation)	O	3000 mm / 1800 mm	3000 mm / 1800 mm
Width in front of charging station	P	3000 mm	3000 mm
Space on the left side of charging station	Q	800 mm	800 mm



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