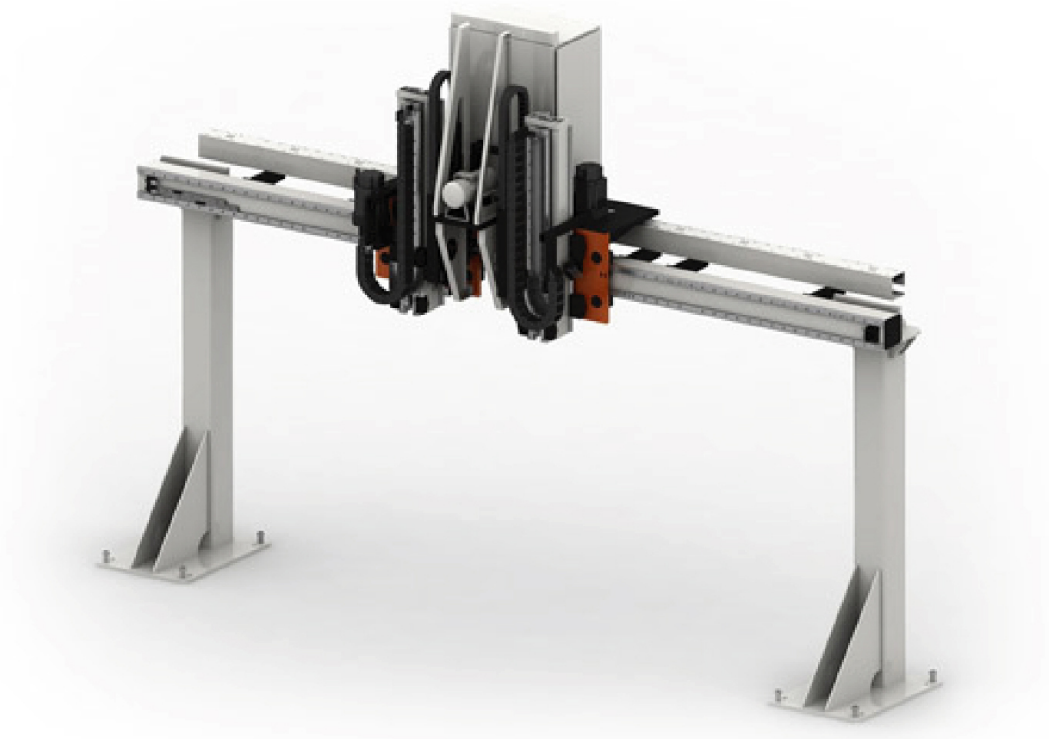
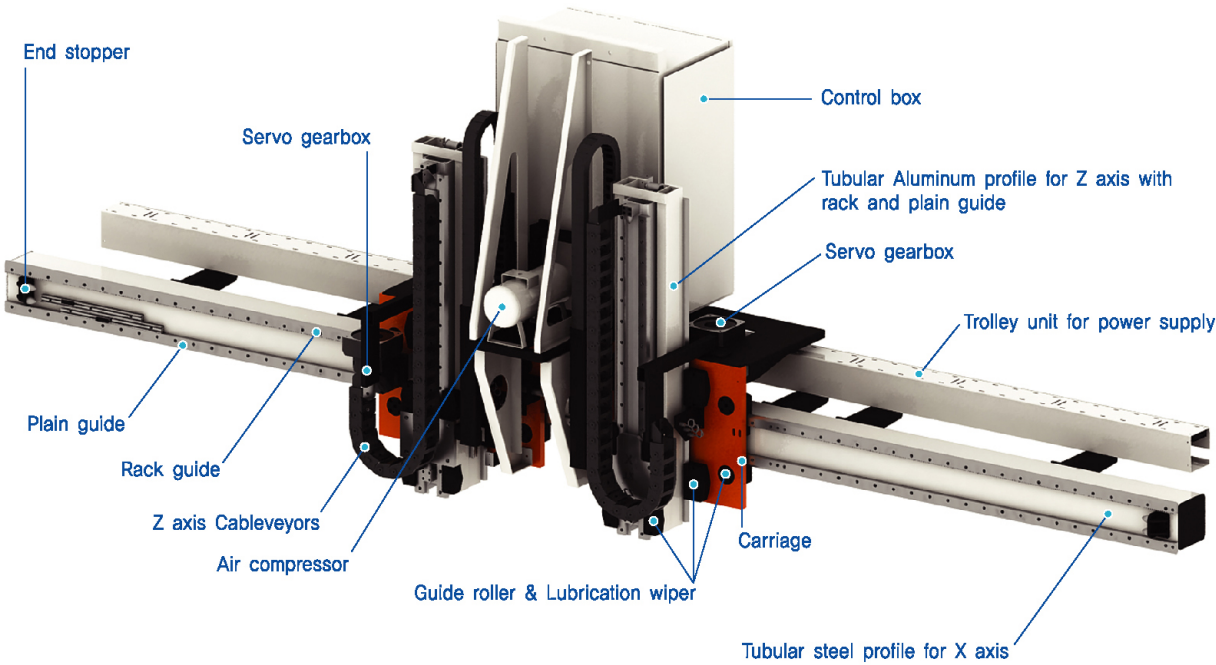


Type WL



구분 / Module Type	가반하중 범위 / Payload range [kg]		
	60	100	120
WL - 1			

Type WL

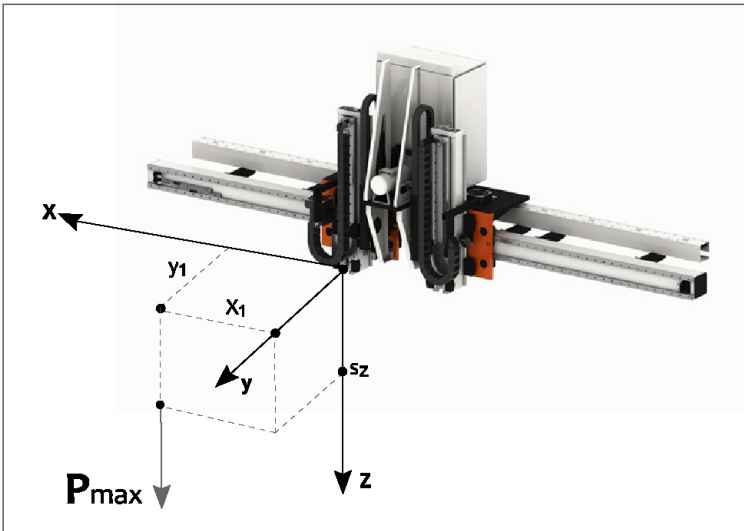


WL

제품치수 및 사양 | Dimension and specification

무선 리니어모듈 | Wireless linear module

기술자료 WL-1 | Technical data WL-1



$P_{max} = 150kg$

P_{max} [kg] : 최대허용가능 가반하중
Permissible max. payload

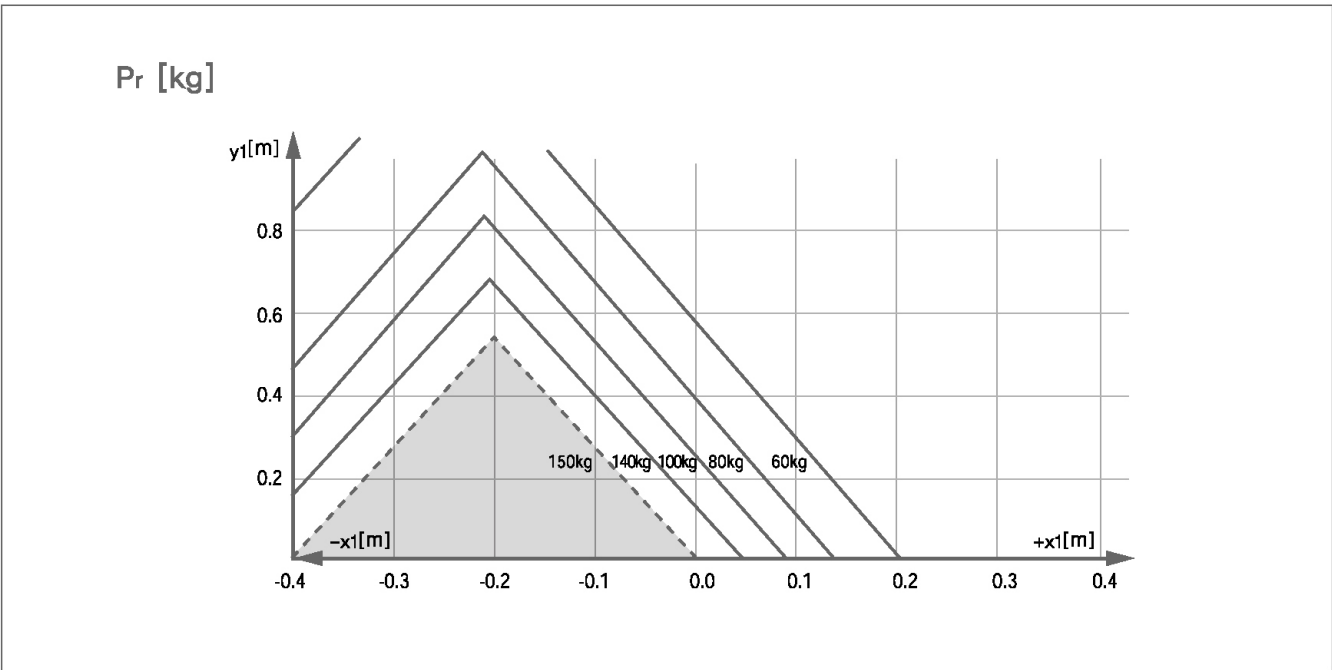
P_{eff} [kg] : 유효 가반하중(그립퍼 포함)
Effective payload (incl. gripper unit)

S_z [mm] : 행정거리(Z축)
Stroke(Z axis)

그립퍼 포함 / Including gripper

$P_{eff} \leq P_{max}$ [kg]

- case 1: $s_z < 1m$ $P_{max} = P_r$ [kg]
 - case 2: $s_z > 1m$ $P_{max} = P_r - (s_z - 1) \cdot 22$ [kg]
- $P_{eff} \leq P_{max}$ [kg]



WL-1

무선 리니어모듈 | Wireless linear module

주요 구성부품 | Key component

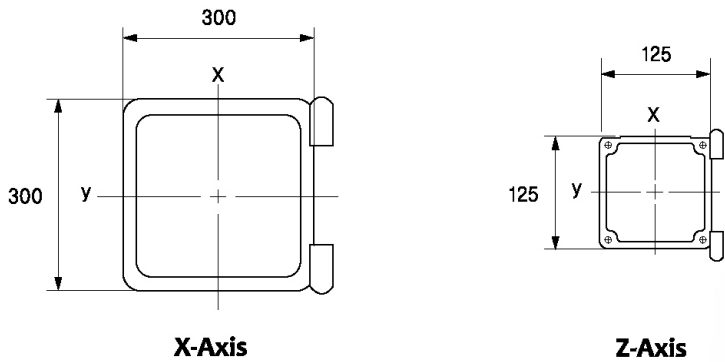
No.	Description	Type	Unit weight	See page
1	가이드 롤러 / Guide roller	GR G 25	BHJ 95	1.1kg 1.4kg 25p 40p
2	윤활 와이퍼 / Lubrication wiper	LW G 25	CW 95	0.13kg 0.22kg 29p 42p
3	플레인 가이드 / Plain guide	MPG G 25	SPP 25	5.7kg 8.6kg 21p 38p
4	랙 가이드 / Rack guide	MRG G 25 (X axis)	SPR 25 M3	5.2kg 7.9kg 17p 38p
		MRG G 25 H (Z axis)	SPR 25 H M3	5.2kg 7.9kg 17p 38p
5	감속기 / Gearbox	AFR140	AFR140	23.7kg 23.7kg 34p 45p

부품상세사양은 부품카다로그를 참조하십시오.
Please refer to the component catalogue regarding detailed component specification

가반하중 및 작동사양 | Payload and drive data

Axis		X axis			Z axis		
유효가반하중 / Effective payload	[kg]	60	100	150	60	100	150
공칭속도 / Nominal speed	[m/s]	2.5	2.5	2.5	3	3	3
최대가속도 / Max. acceleration	[m/s ²]	4	3.5	3	10	7.5	5
감속비 / Gearbox ratio	[-]	7:1	7:1	7:1	3:1	3:1	3:1
모터속도 / Motor speed	[rpm]	3000	3000	3000	3000	3000	3000
반복정밀도 / Repeatability	[mm]	±0.05					

굽힘 및 비틀림 저항 | Axis bending and torsion



Axis	Material	Standard	Unit weight(kg/m)	Ix(cm ⁴)	Iy(cm ⁴)	Iz(cm ⁴)
X	R50	ISO 3304	157.5	29812	28620	37622
Z	AlMg0.7Si	ISO 6361	48	6300	4488	5830

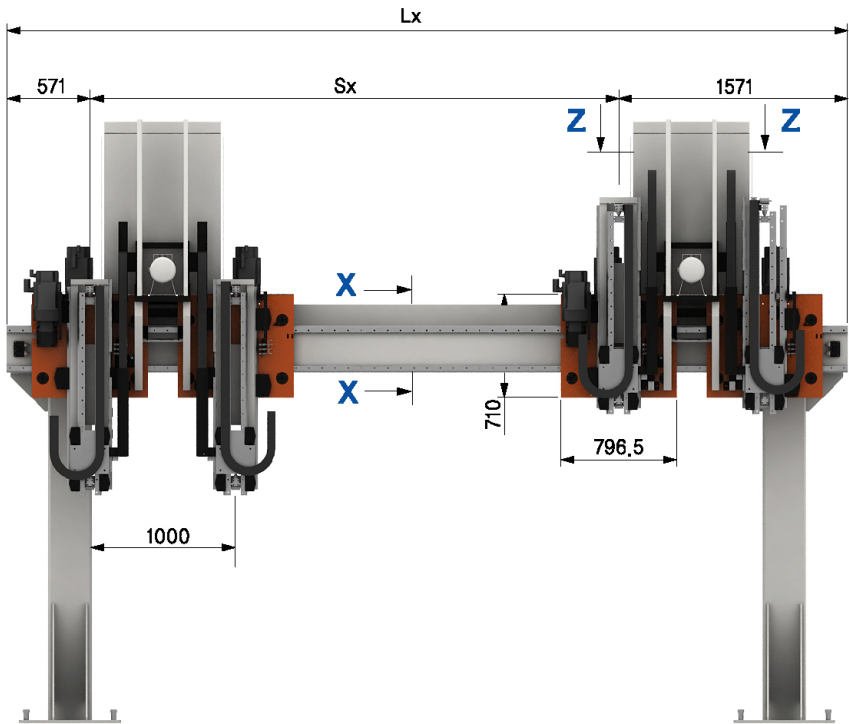
*가이드 부착시 / Guide assembly



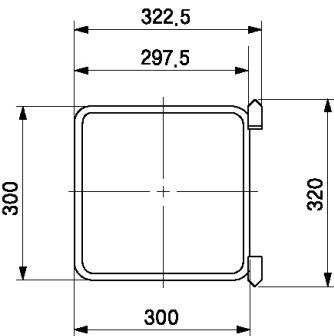
제품치수 및 사양 | Dimension and specification

무선 리니어모듈 | Wireless linear module

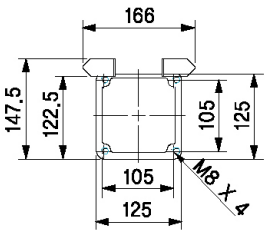
치수 WL-1 | Dimensions sheet WL-1



View X



View Z



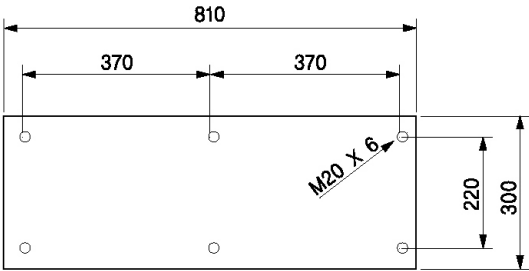
	max.(mm)
Lx	Sx + 571 + 1571
Sx	1000000
Lz	2040
Sz	120

WL-1

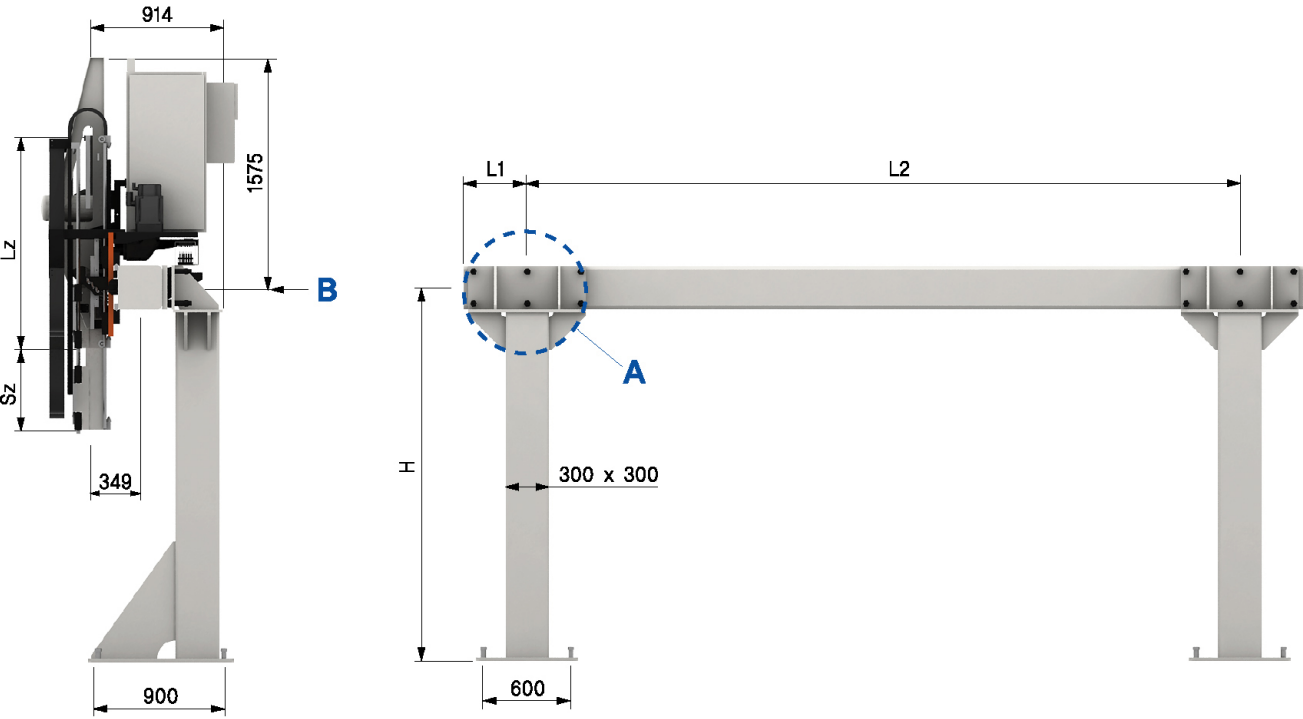
무선 리니어모듈 | Wireless linear module

치수 WL-1 | Dimensions sheet WL-1

View A



View B



	min.(mm)	max.(mm)
L1	400	2000
L2	800	10000
H	1000	4000