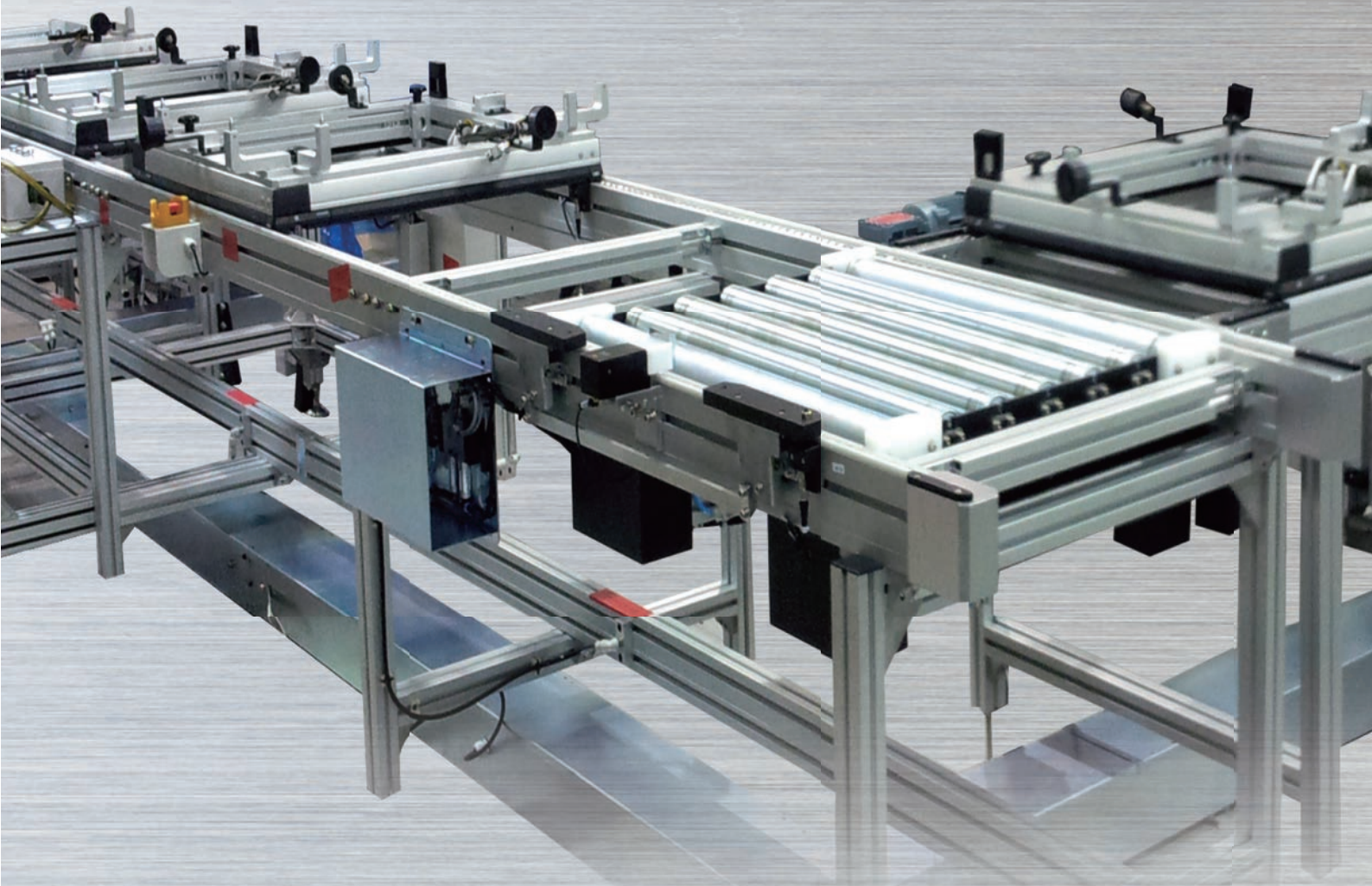


UNICON
Automation

UNICON Conveyor system

유니콘 컨베이어 시스템



UNICON

SINCE 2001

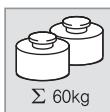
(주)유니콘
UNICON CO., LTD.

SYMBOLS

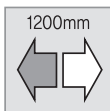
PRODUCT FEATURES



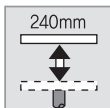
Permissible load, single load
(단일 허용 하중)



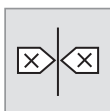
Permissible load, sum of load
(전체 허용 하중)



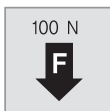
Reverse operation permissible up to 1200mm (역구동 가능길이)



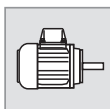
Lift above transportation level
(상승시 상승폭)



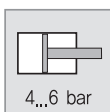
Reproducing accuracy
(반복 정확도)



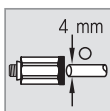
Permissible process force
(허용 압력)



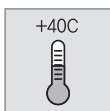
Unit has an own drive
(자체 구동)



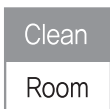
Pneumatic connection required
(사용 압력)



Pneumatic connection
(공압호스 사이즈)

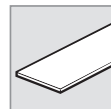


Operating temperature
(사용가능 온도)

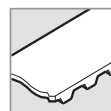


Suitable for use in clean rooms
(클린룸에서 사용하기 적합)

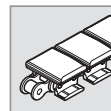
MEDIA OF THE CONVEYOR



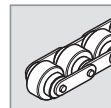
BELT



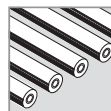
TIMING BELT



FLAT TOP CHAIN

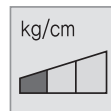


ACCUMULATION ROLLER CHAIN

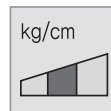


ROLLERS

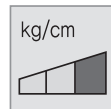
CLASSIFICATION



Light class
(~1kg/cm)

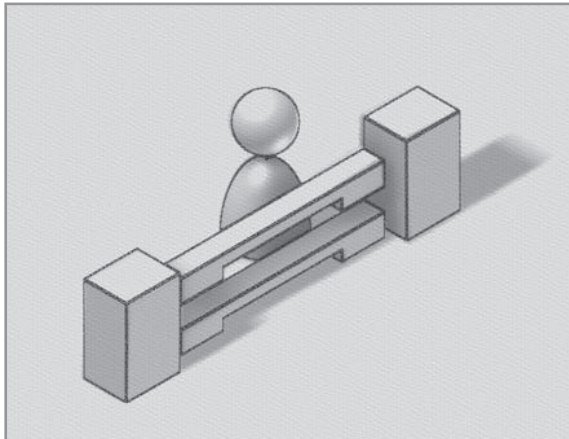


Mid range
(1~1.5kg/cm)

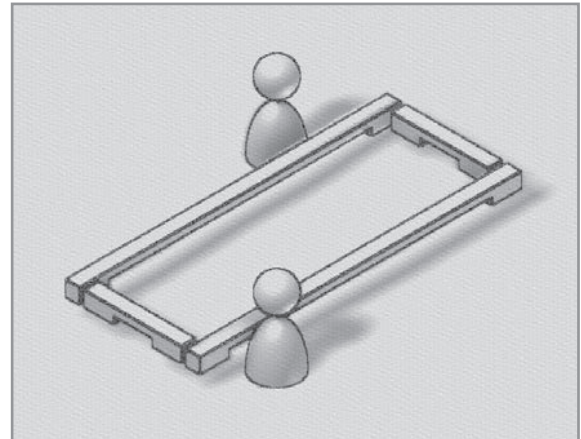


Heavy duty
(1.5~2kg/cm)

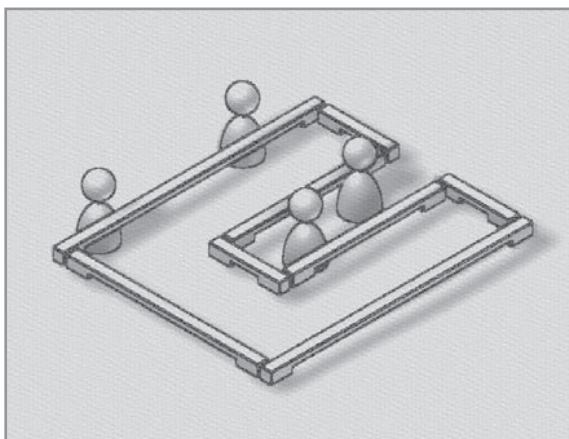
SYSTEM LAYOUT



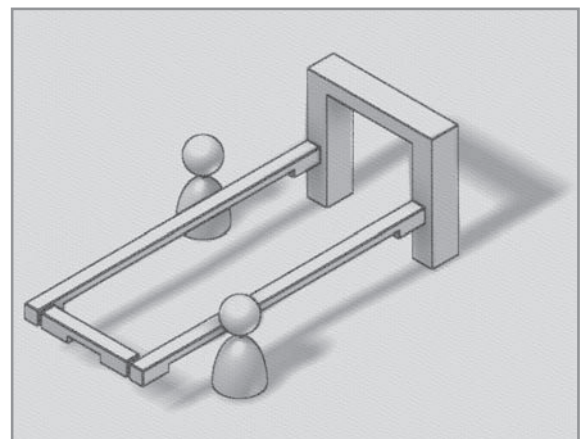
수직순환형 시스템



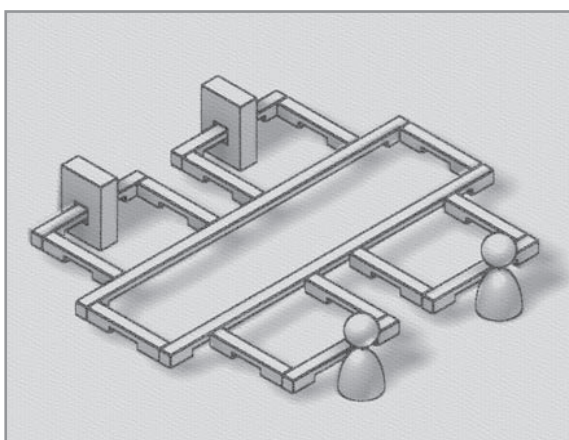
수평순환형 시스템



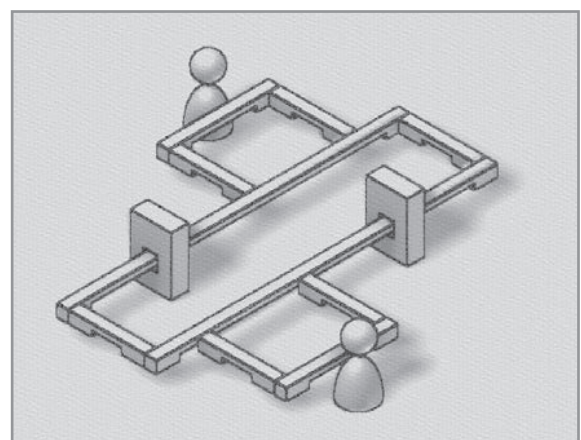
U자형 시스템



수평+수직순환형 시스템

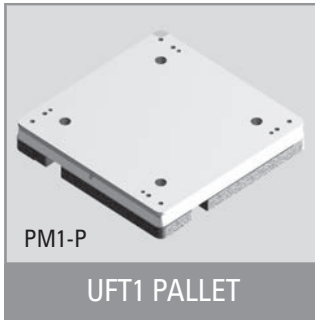


평형 작업대



혼합형 작업대

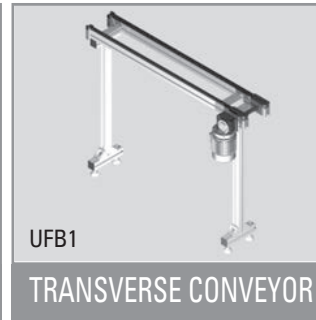
UFT1 PRODUCTS INTRODUCTION



7page



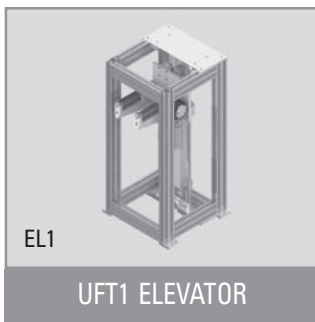
8page



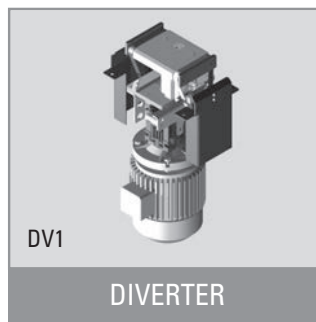
9page



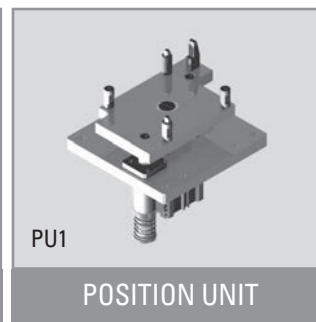
11page



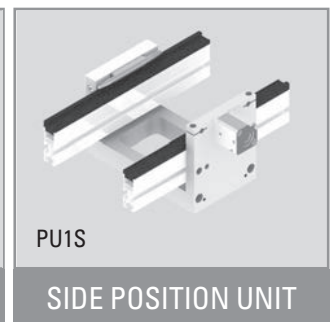
12page



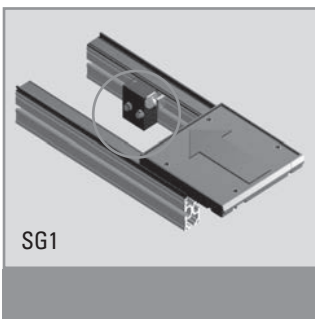
13page



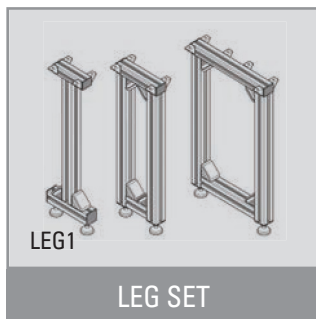
17page



18page

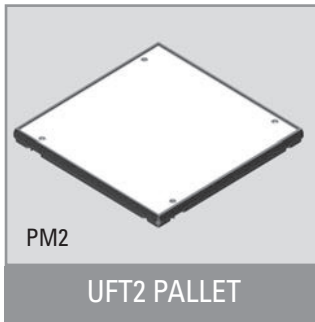


19page



22page

UFT2 PRODUCTS INTRODUCTION



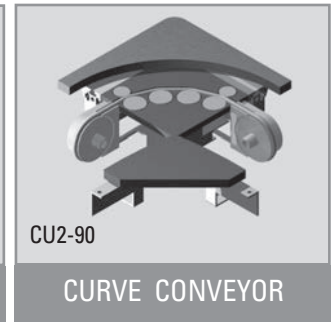
24page



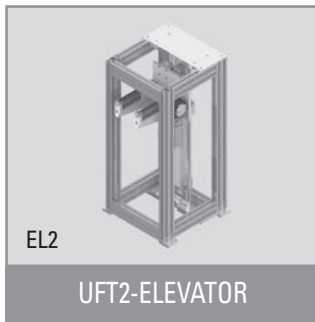
UFT2 27 page
UFT2-F 31 page
UFT2-R 33 page



UFB2 29 page
UFB2-F 32 page
UFB2-R 34 page



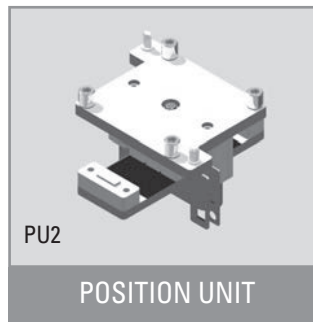
35page



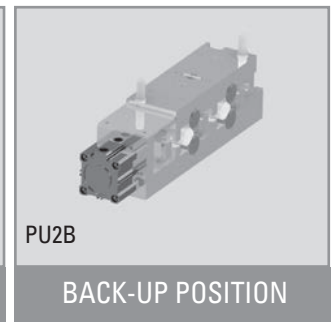
40page



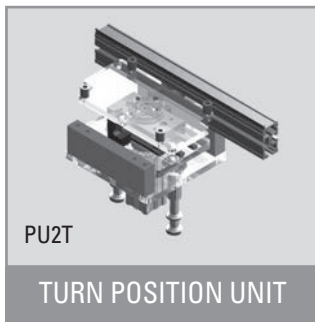
41page



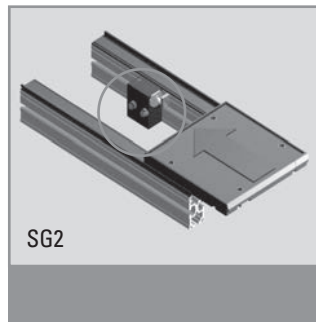
44page



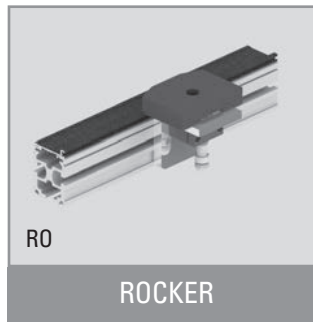
45page



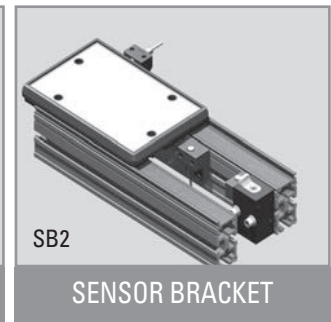
46page



49page



52page



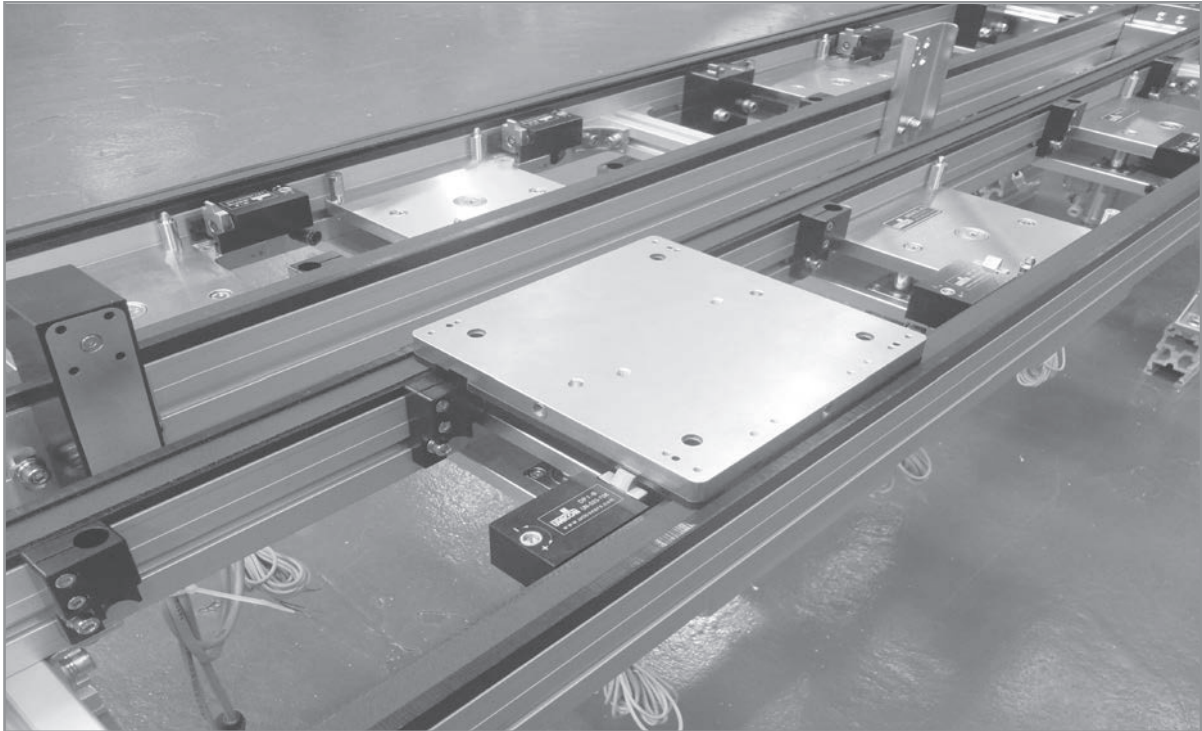
53page



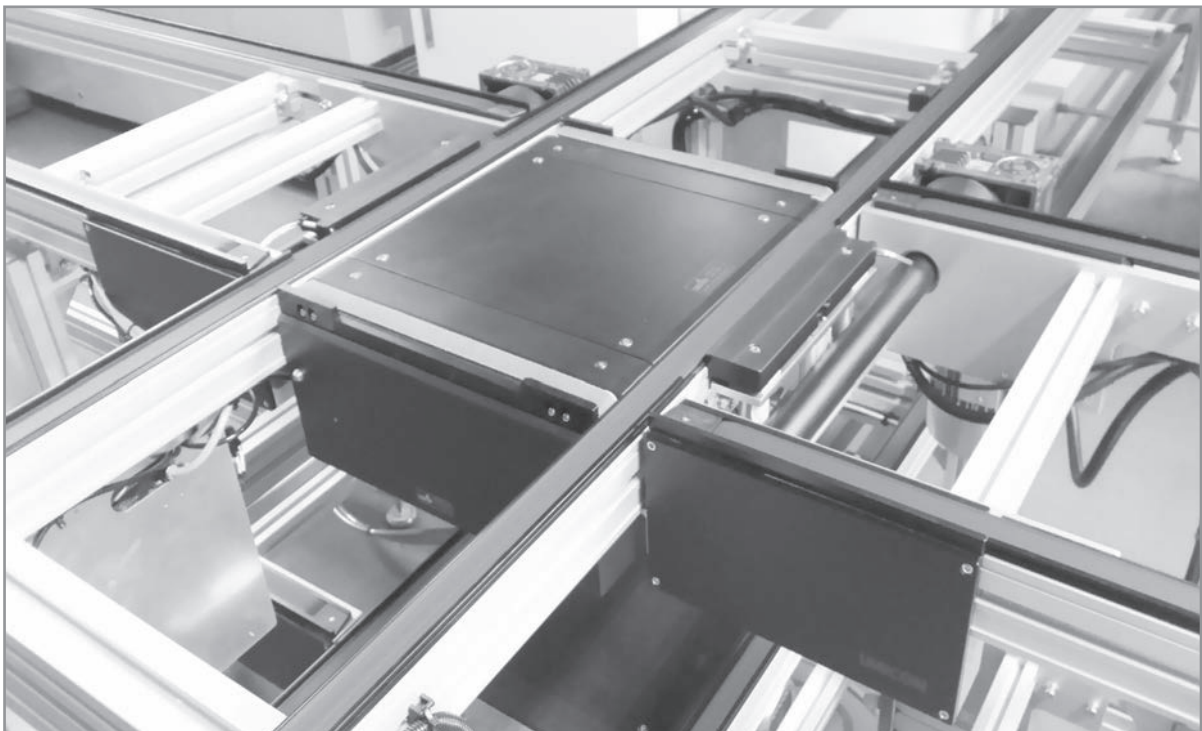
54page

SYSTEM OVERVIEW

UFT1

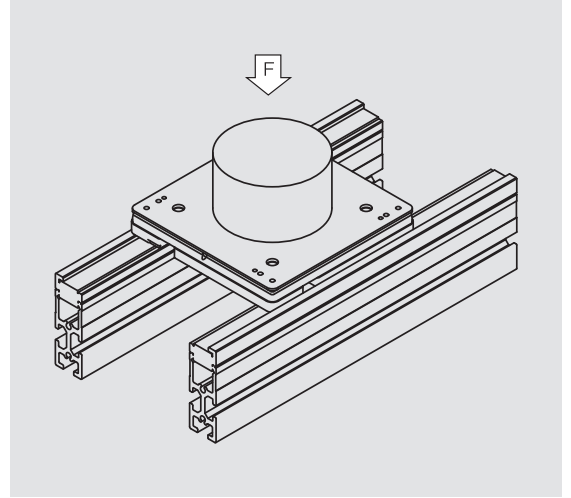


UFT2



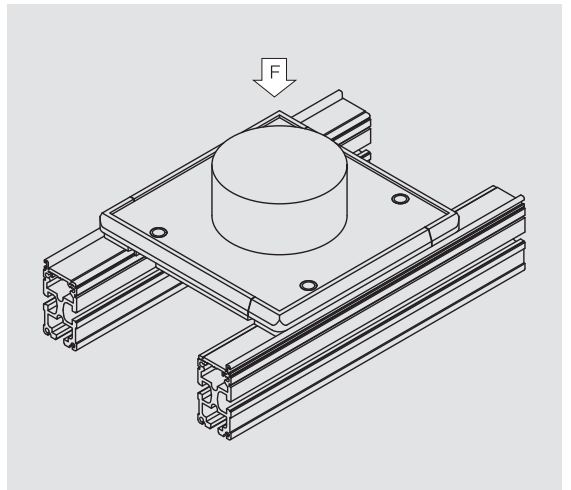
UFT1

	벨트
적재하중	80Kg 이하
폭 (mm)	80, 120, 160
길이 (mm)	1,000 ~ 12,000



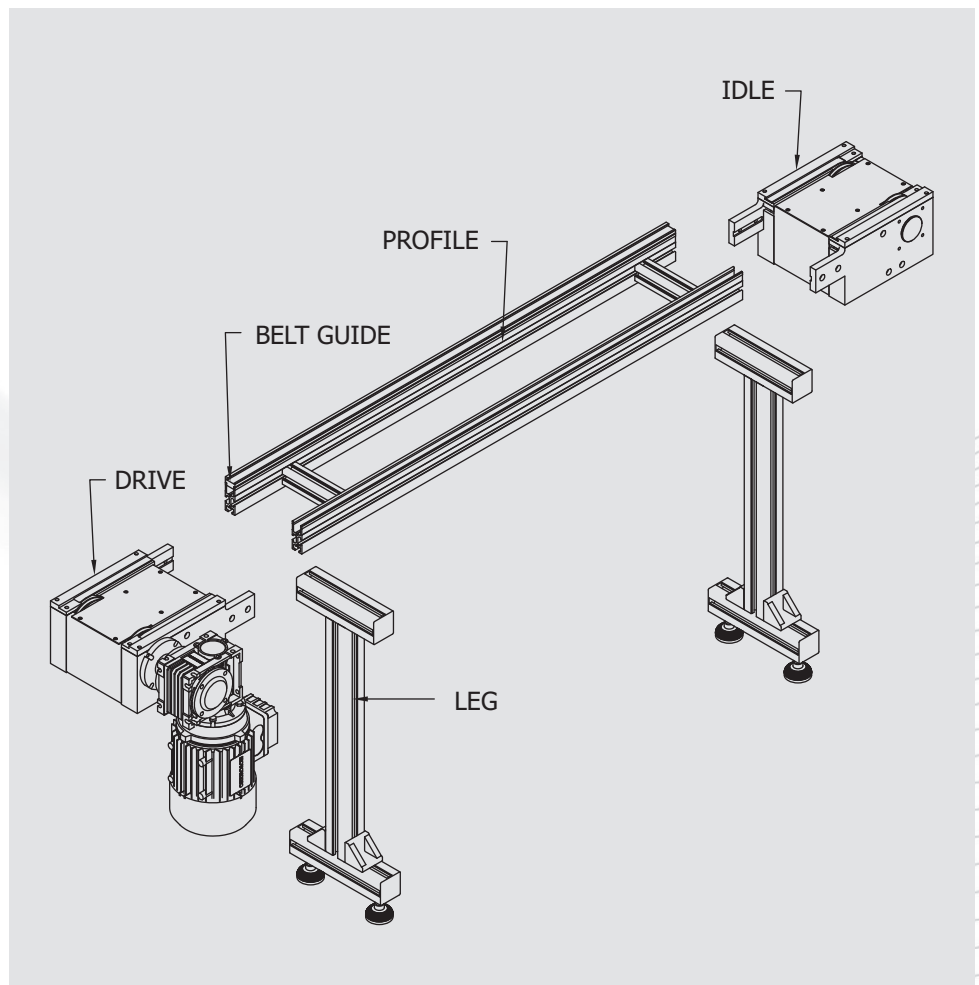
UFT2

	벨트	플랫탑 체인	롤러 체인
적재하중	250Kg 이하	700Kg 이하	1200Kg 이하
폭 (mm)	160 ~ 1040	160 ~ 1040	160 ~ 1040
길이 (mm)	240 ~ 협의	300 ~ 협의	300 ~ 협의



MAIN CONVEYOR COMPONENT

UFT1 구성



PM1-P

POLYAMIDE 재질의 패드

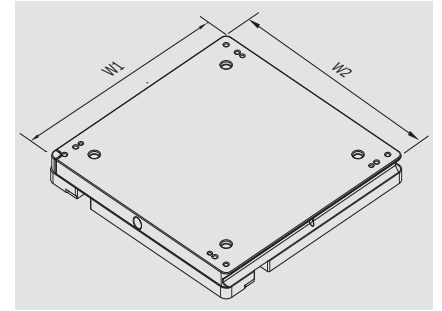
ALUMINUM 재질의 플레이트

포지셔닝을 위한 더브테일 측면(2개소)에 위치

사이드 포지션 적용가능

업/다운 포지션은 적용 가능

ID15, ID40, ID200, DATA TAG 적용



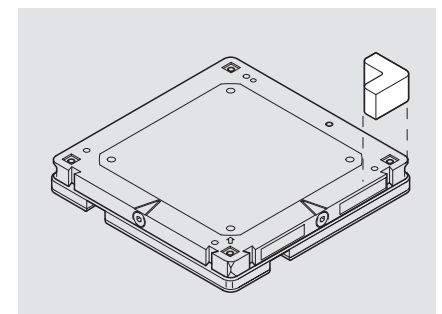
UFT1

Pallet Size(mm)		Pallet 무게(kg)	적재하중(kg)	주문형식
W1	W2	Mwt	Fwt	
80	80	0.205	1.5	PM1-P-80
120	120	0.44	2.2	PM1-P-120
160	160	0.76	3	PM1-P-160

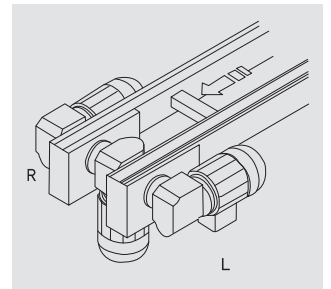
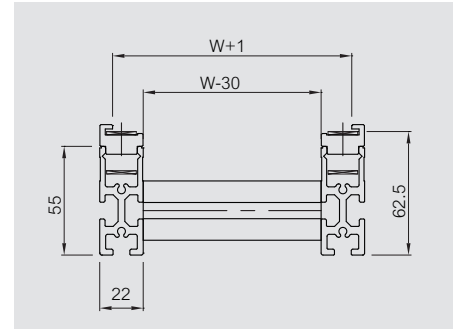
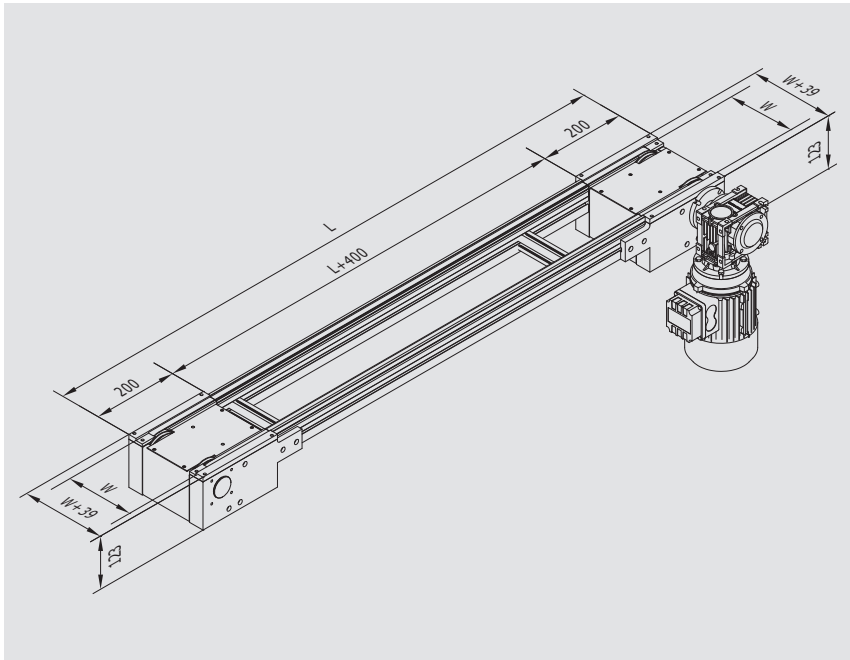
Switch Element

적용범위

팔레트 감지용 센서 도그



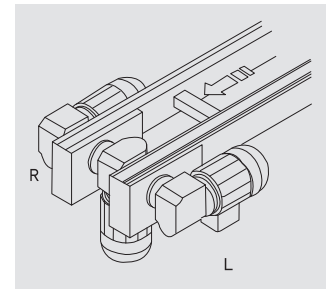
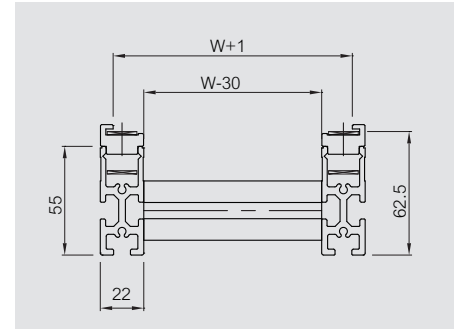
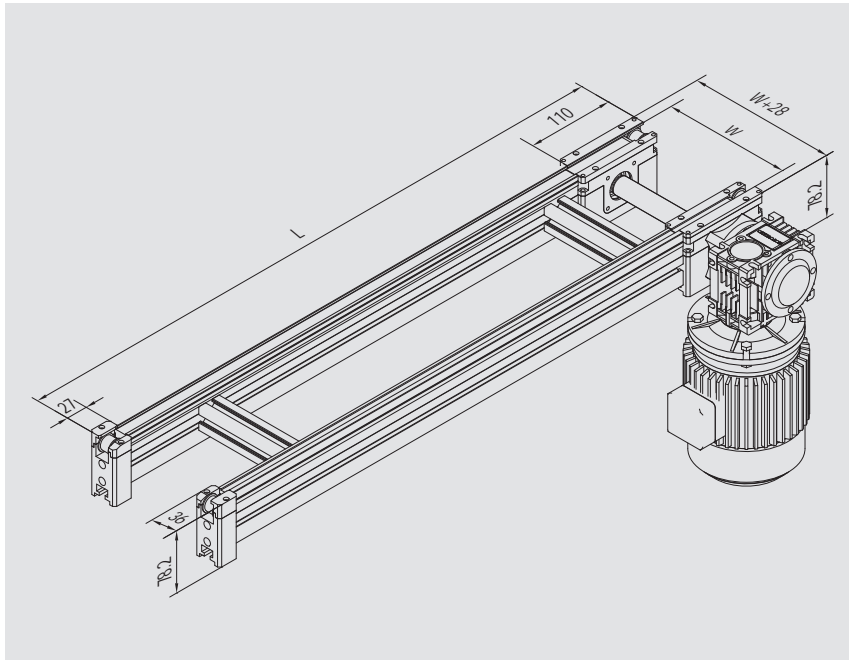
UFT1



W	L (mm)	V (m/min)	모터위치	주문형식
80	1,000 ~ 12,400	5.8, 7.7, 9.2, 11.5, 15.4, 18.5, 23.1	R, L	UFT1-W□-L□-V□-R(L)
120				전원사양 - 삼상□V, □Hz
160				

속도 및 무게에 따른 모터 선정표							
속도 (m/min)	5.8	7.7	9.2	11.5	15.4	18.5	23.1
0.2Kw	80 Kg	80 Kg	80 Kg	80 Kg	80 Kg	80 Kg	65 Kg
0.4Kw	80 Kg	80 Kg	80 Kg	80 Kg	80 Kg	80 Kg	80 Kg

UFB1

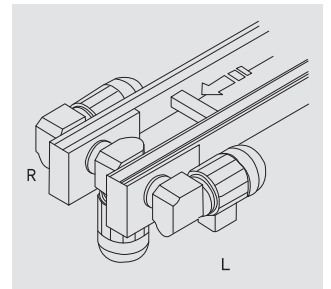
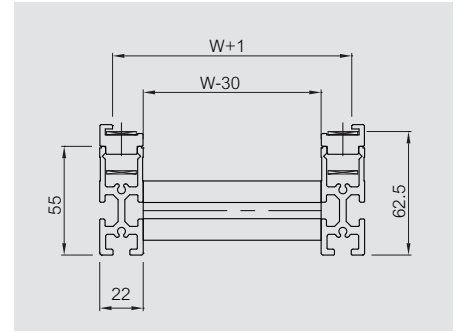
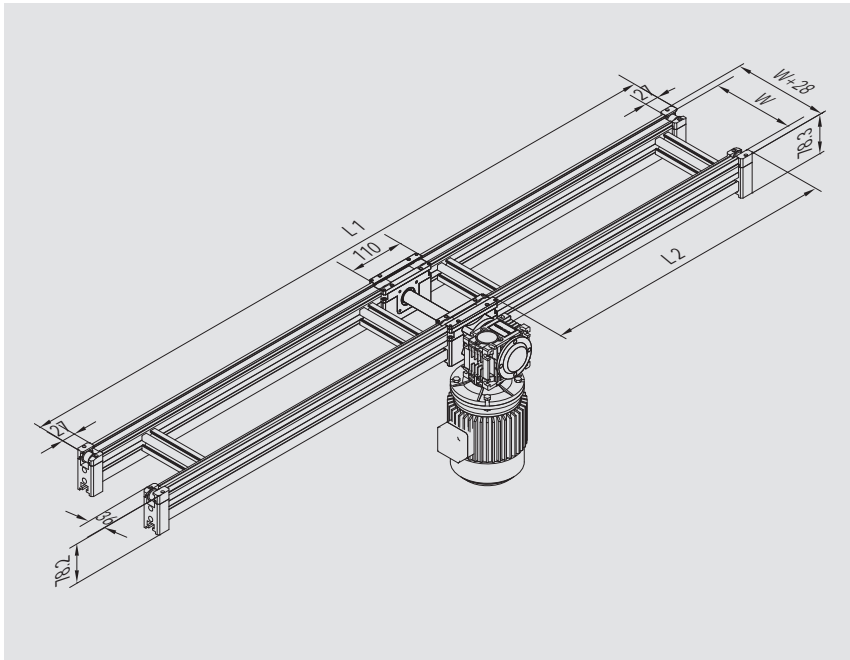


UFB1

W	L (mm)	V (m/min)	모터위치	주문형식
80	250 ~ 5,000	5.8, 7, 8.7,	R, L	UFB1-W□-L□-V□-R(L)
120		11.6, 14,		전원사양 - 삼상□V, □Hz
160		17.5, 23.3		

속도 및 무게에 따른 모터 선정표							
속도 (m/min)	5.8	7	8.7	11.6	14	17.5	23.3
0.1Kw	30 Kg	20 Kg	20 Kg	15 Kg	15 Kg	10 Kg	10 Kg

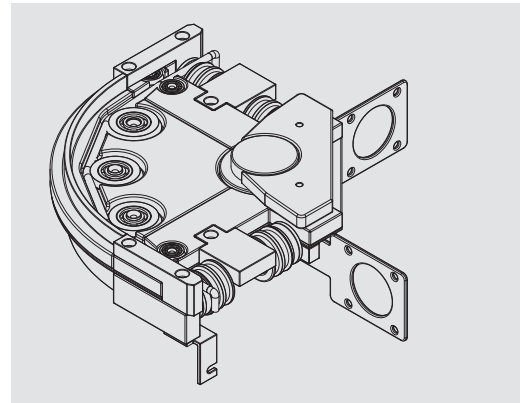
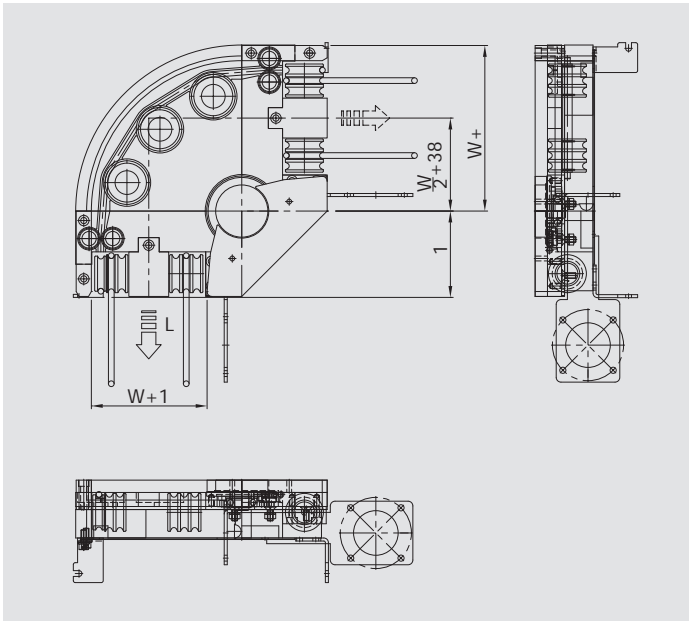
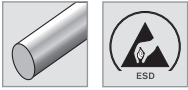
UFB1M



W	LA (mm)	L (mm)	V (m/min)	모터위치	주문형식
80	350~5,000	120~4,800	5.8, 7, 8.7,	R, L	UFB1M-W□-LA□-L□-V□-R(L) 전원사양 - 삼상□V, □Hz
120			11.6, 14,		
160			17.5, 23.3		

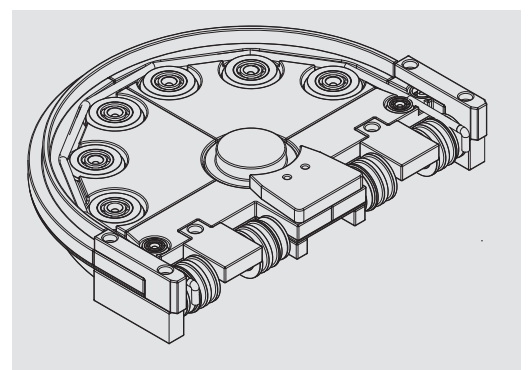
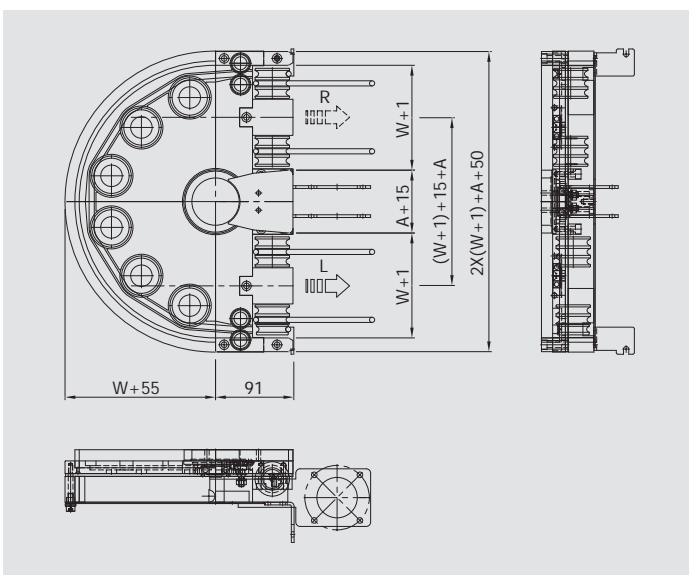
속도 및 무게에 따른 모터 선정표							
속도 (m/min)	5.8	7	8.7	11.6	14	17.5	23.3
0.1Kw	30 Kg	20 Kg	20 Kg	15 Kg	15 Kg	10 Kg	10 Kg

CU1-90



W	회전방향	주문형식
80	R, L	CU1-90-W□-R(L)
120		
160		

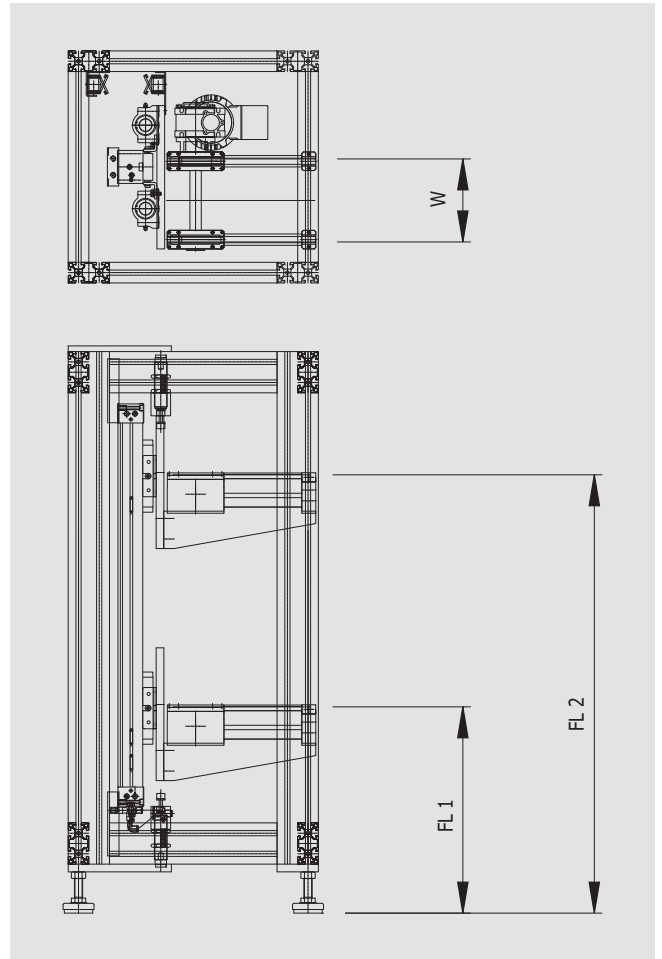
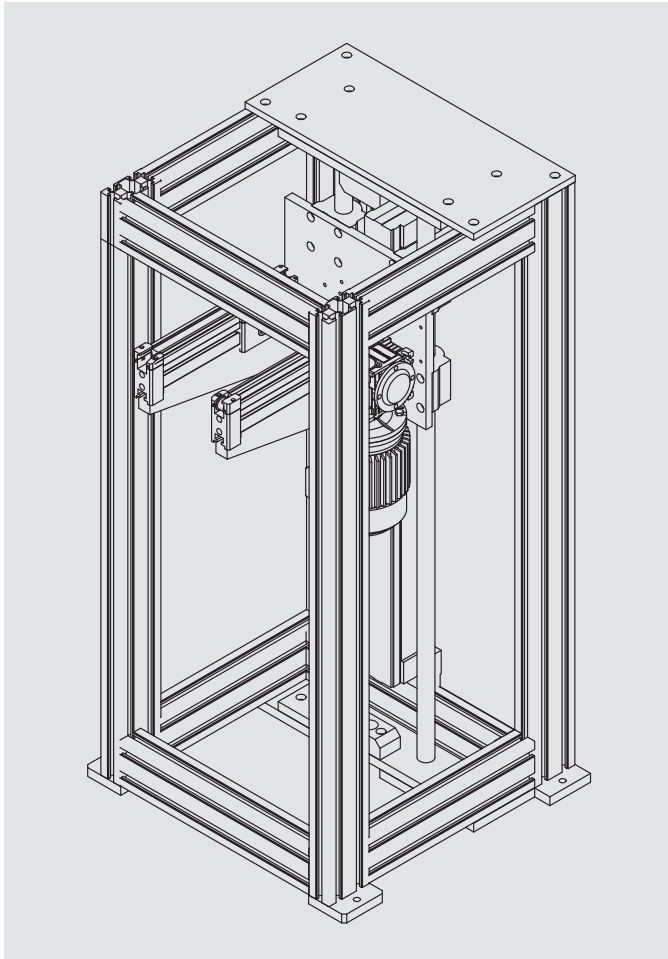
CU1-180



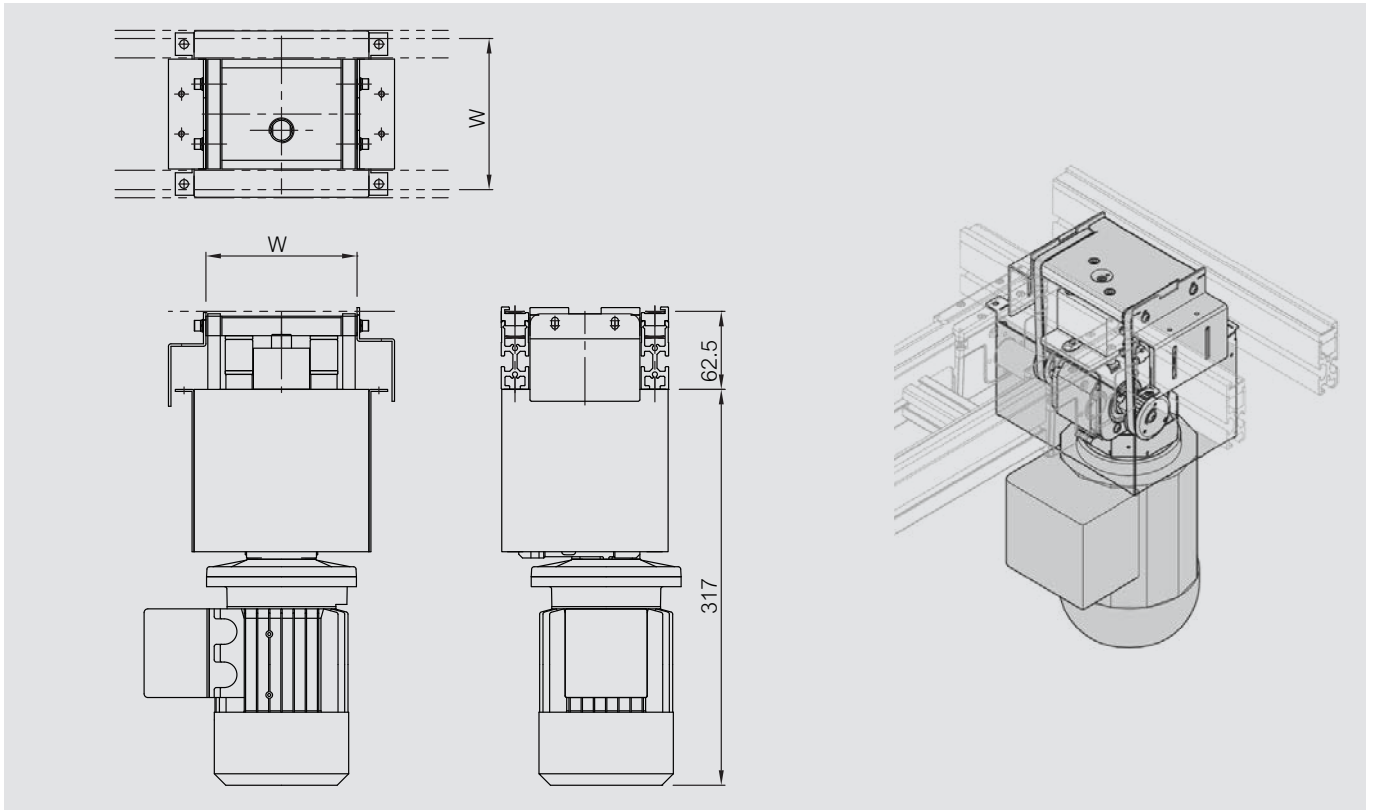
W	A	회전방향	주문형식
80	62, 137	R, L	CU1-180-W□-A□-R(L)
120			
160			

UFT1 ELEVATOR

UFT1 TYPE의 수직 순환 물류 SYSTEM에 적용되는 ELEVATOR입니다. 전체 PALLET SIZE에 대응이 가능하며, 주문사양이므로 LAY-OUT 구성시 문의 바랍니다.



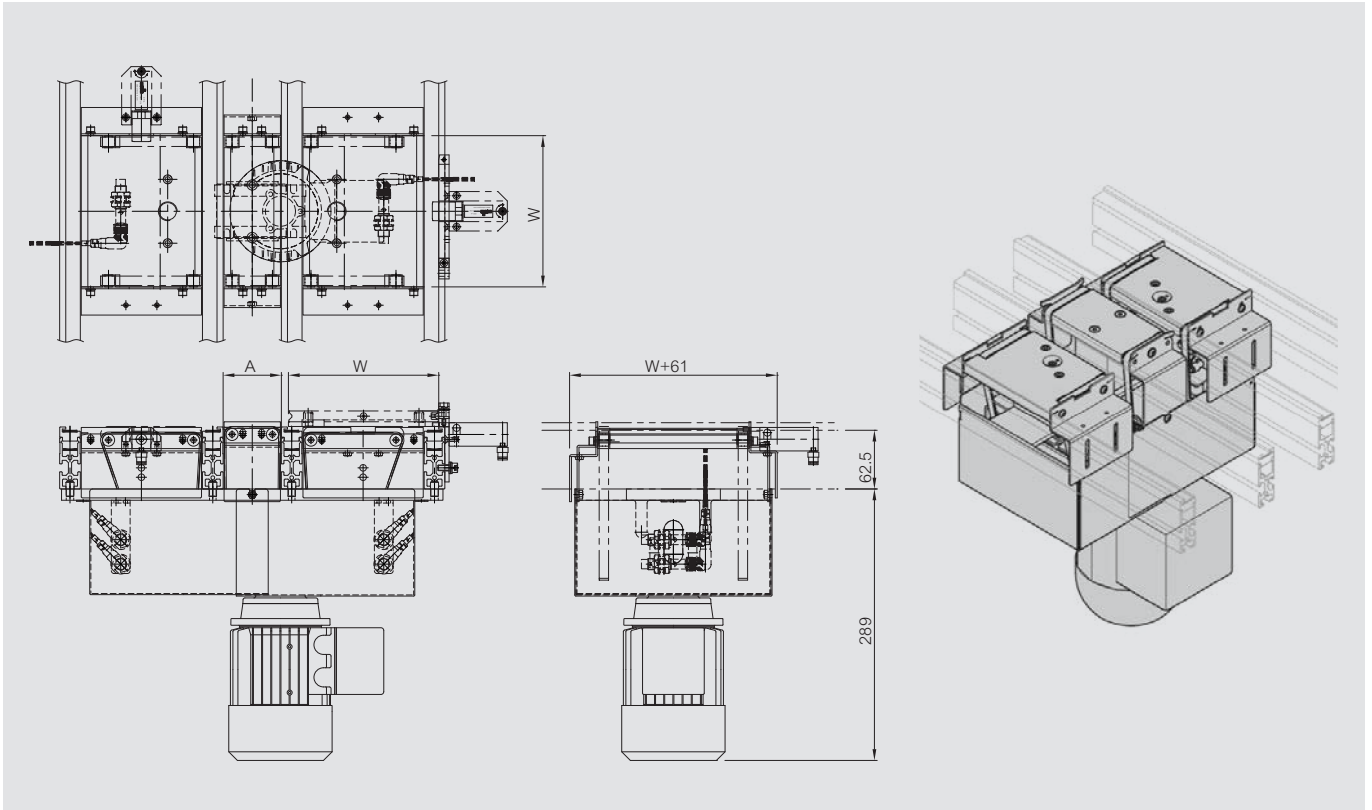
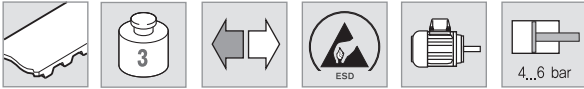
DV1



UFT1

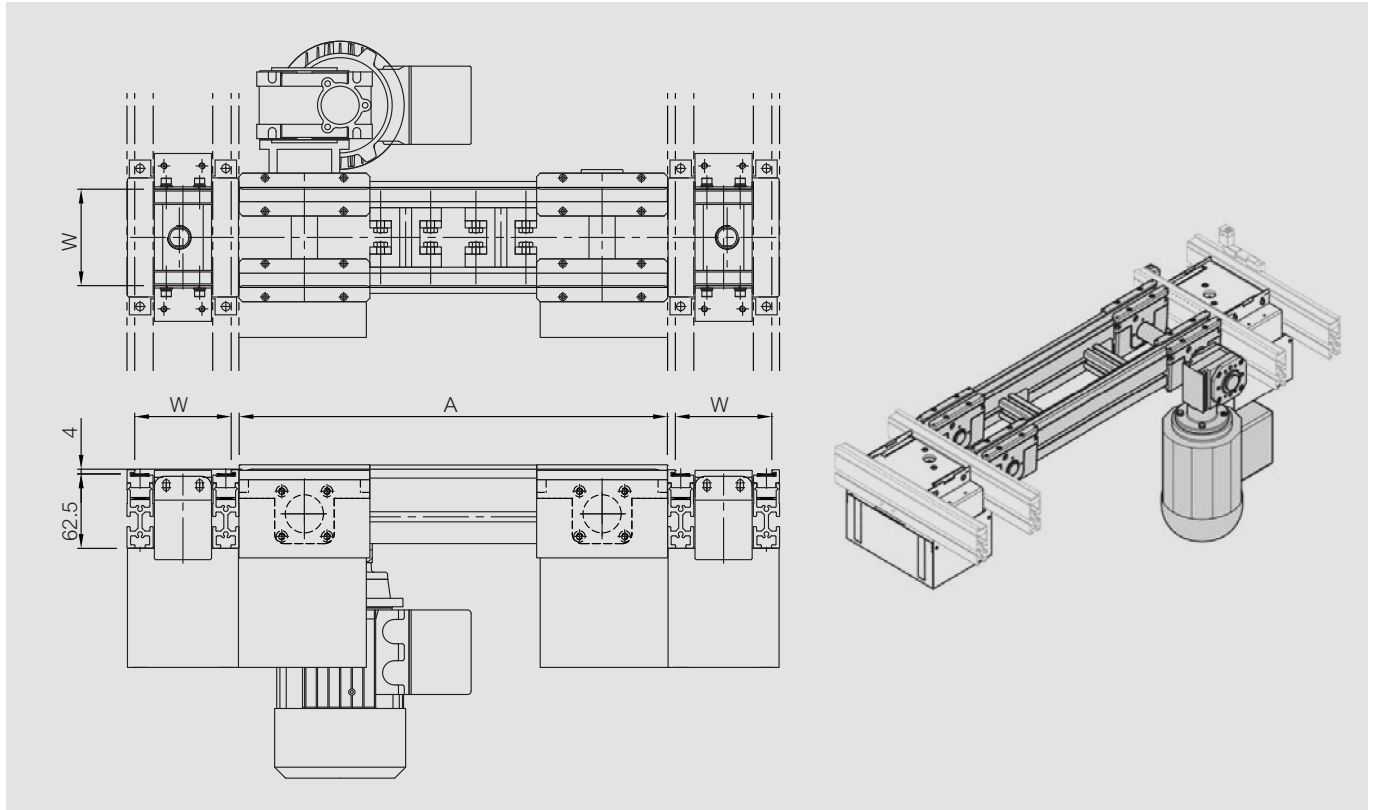
W	V (m/min)	주문형식
80	6.3, 7.9, 10.5, 12.6, 15.7, 21	DV1-W□-V□
120		전원사양 - 삼상□V, □Hz
160		

DV1T



W	A	V (m/min)	주문형식
80	62, 137	6.3, 7.9, 10.5, 12.6, 15.7, 21	DV1T-W□-A□-V□
120			전원사양 - 삼상□V, □Hz
160			

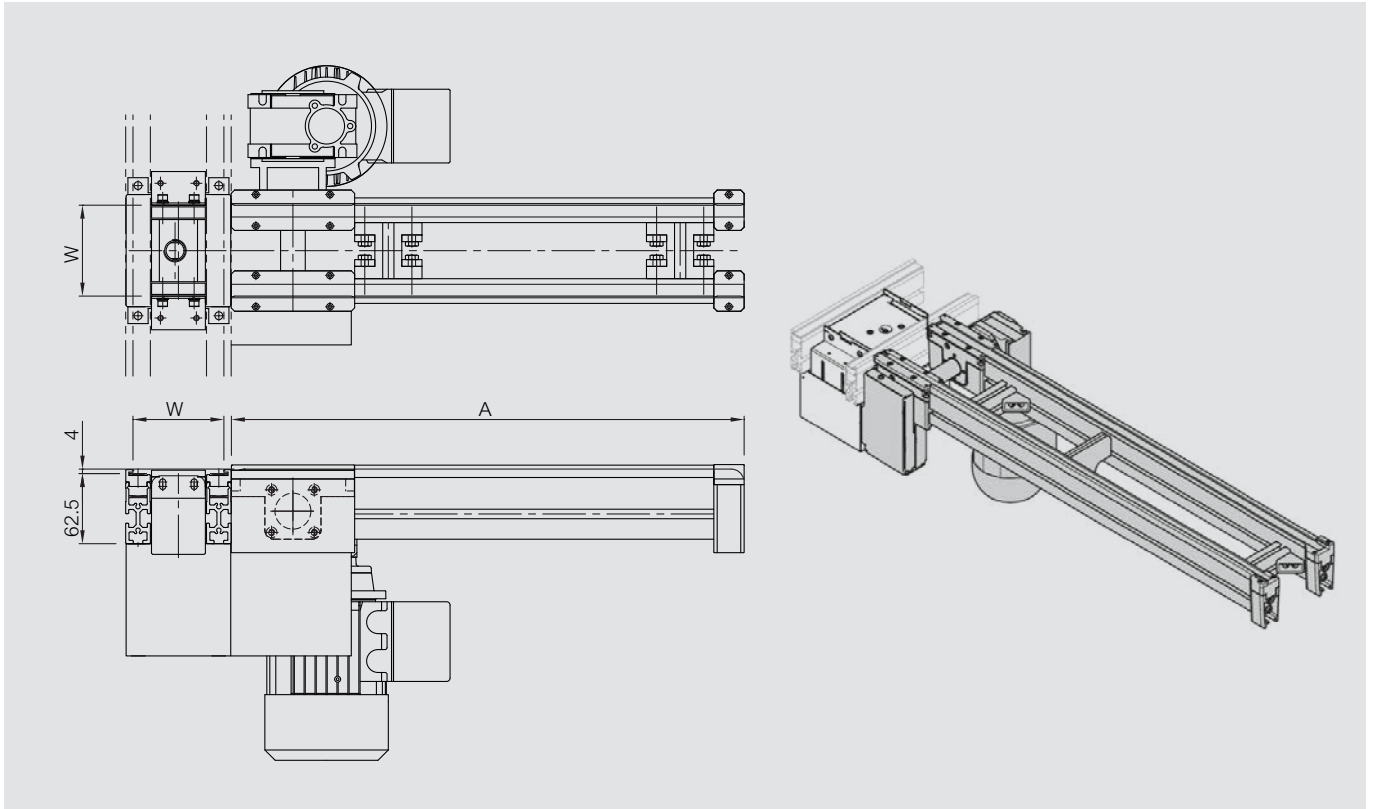
DV1D



W	A	V (m/min)	주문형식
80	320~5,000	6.3, 7.9, 10.5, 12.6, 15.7, 21	DV1D-W□-A□-V□
120			전원사양 - 삼상□V, □Hz
160			

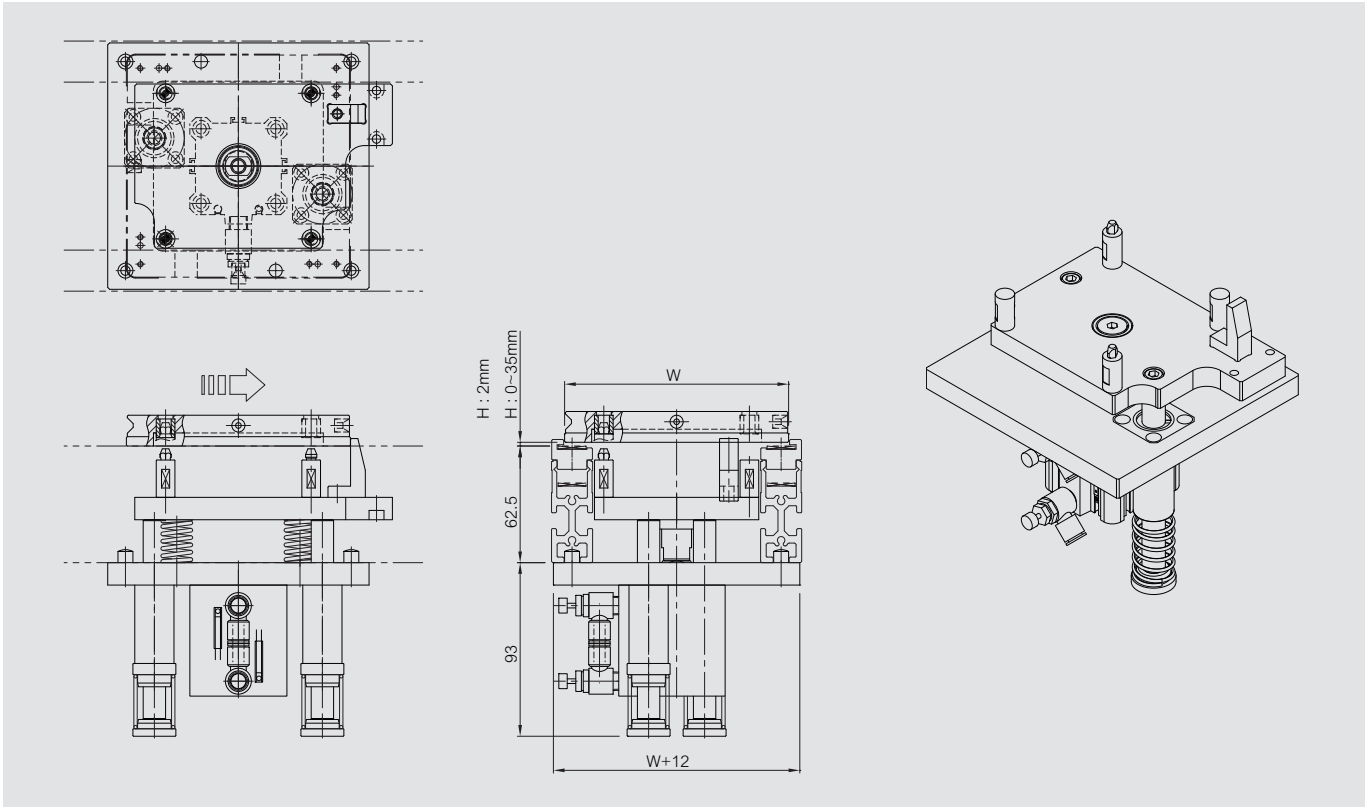
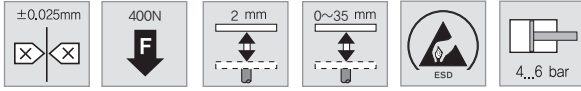
UFT1

DV1S

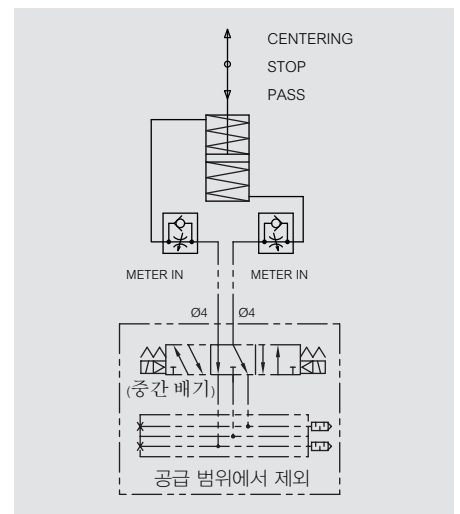


W	A	V (m/min)	주문형식
80	320~5,000	6.3, 7.9, 10.5, 12.6, 15.7, 21	DV1S-W□-A□-V□
120			전원사양 - 삼상□V, □Hz
160			

PU1

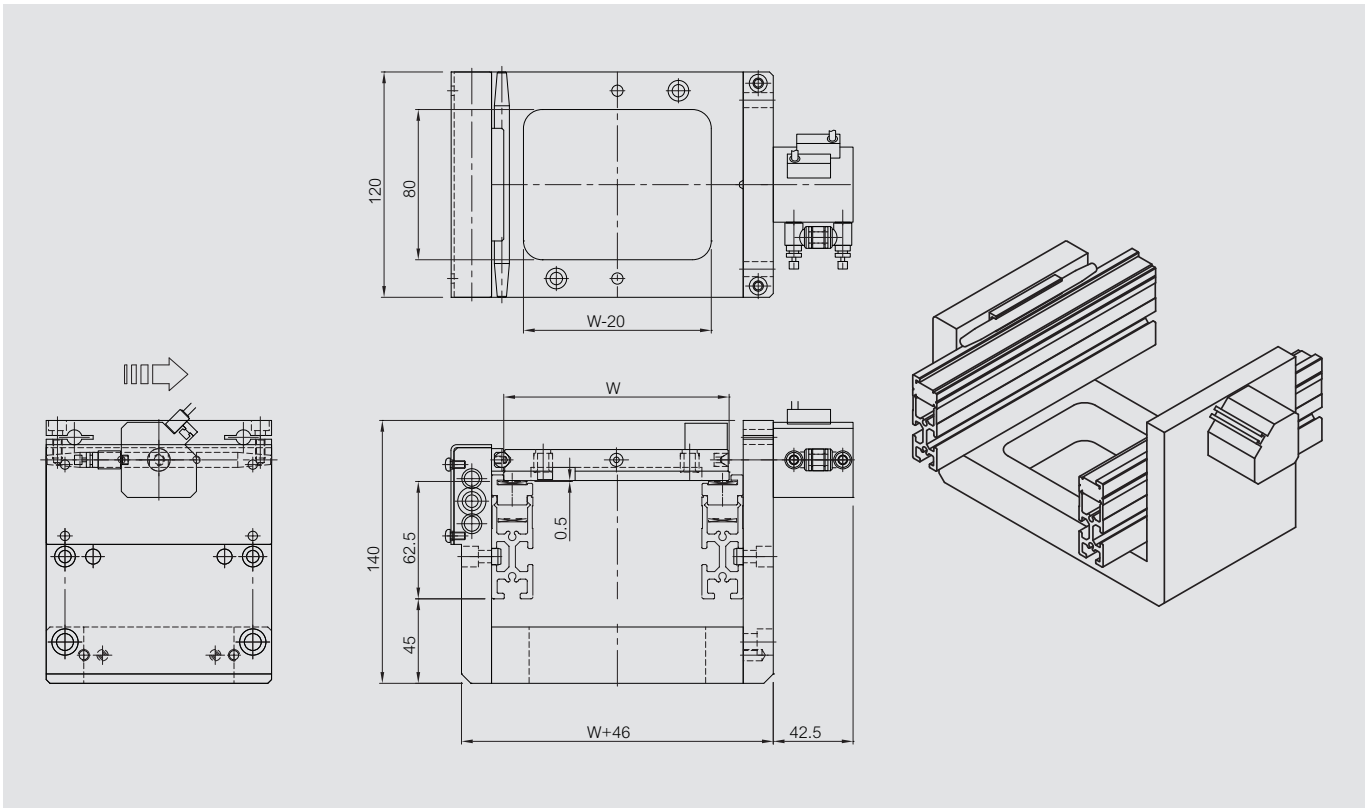
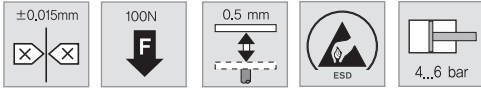


W	H	주문형식
80, 120, 160	2	PU1-W□
80, 120, 160	0~35	PU1-W□-A

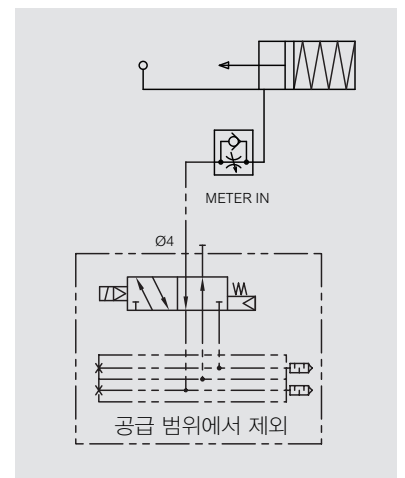


UFT1

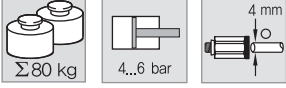
PU1S



W	주문형식
80, 120, 160	PU1S-W□



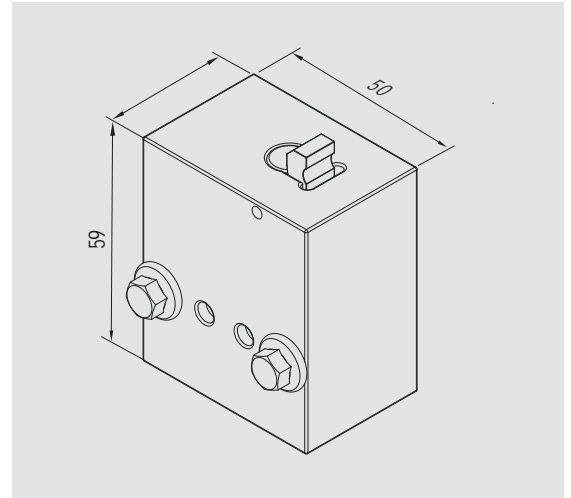
SG1 (NON DAMPER STOPPER)



WT (Kg)	V (m/min)	주문형식
80	6	SG1
80	9	
60	12	
40	15	
40	18	

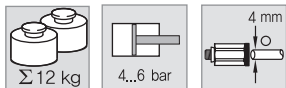
적용범위

일반 부품을 이송하는 팔레트의 정지
리턴 팔레트 및 버퍼 팔레트의 정지



UFT1

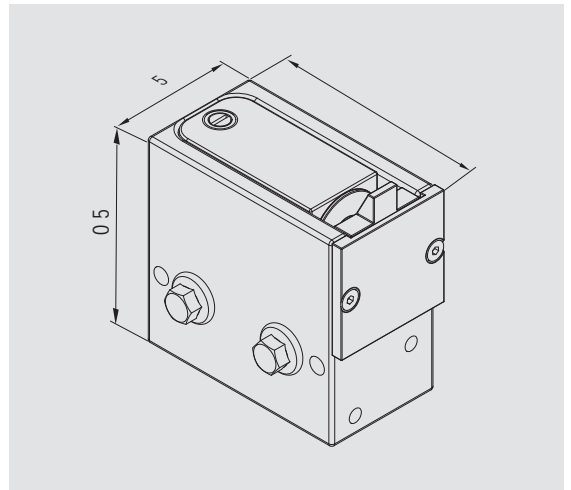
SG1D (DAMPER STOPPER)



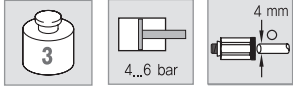
WT (Kg)	V (m/min)	주문형식
12	6	SG1D
10	9	
10	12	
10	15	
8	18	

적용범위

정밀 부품을 이송하는 팔레트의 부드러운 정지
정확한 위치결정이 요구되는 생산 및 조립공정
빠른 사이클 타임이 필요한 공정



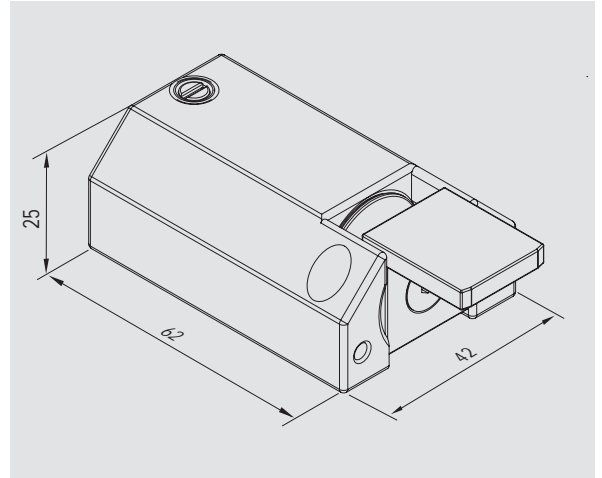
DP1-A (DAMPER STOPPER)



WT (Kg)	V (m/min)	주문형식
10	6	DP1-A
10	9	
9	12	
8	15	
7	18	

적용범위

디버터의 측면에 부착하여 팔렛트의 부드러운 정지



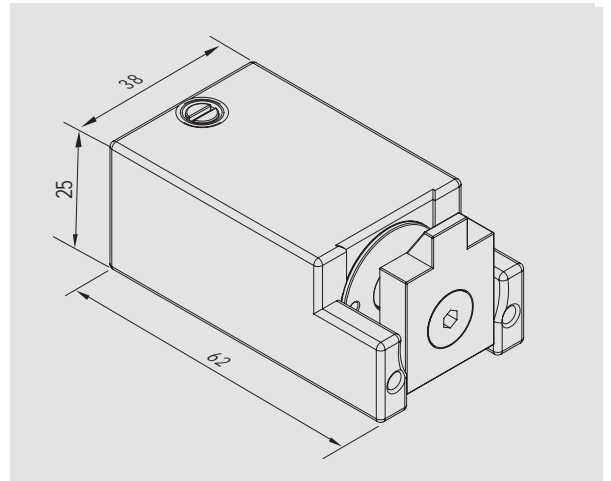
DP1-B (DAMPER STOPPER)



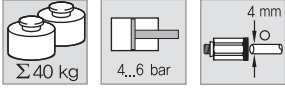
WT (Kg)	V (m/min)	주문형식
10	6	DP1-B
10	9	
9	12	
8	15	
7	18	

적용범위

PU1 포지션에 부착하여 팔렛트의 부드러운 정지



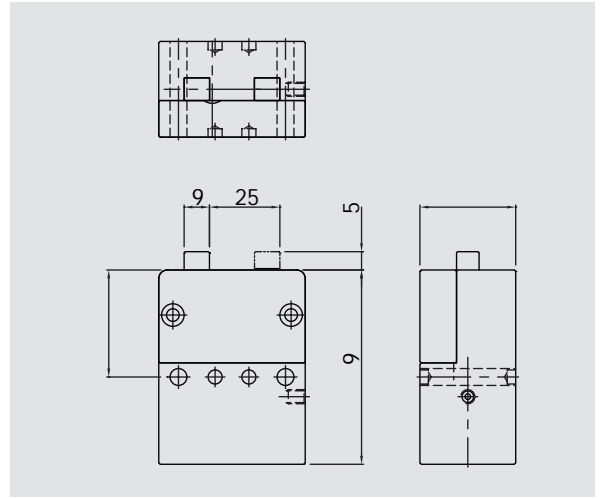
SP1-25 (SEPERATOR)



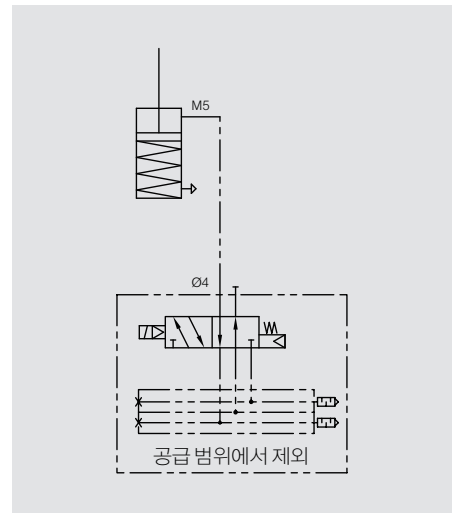
WT (Kg)	V (m/min)	주문형식
40	6	SP1-25
40	9	
30	12	
20	15	
20	18	

적용범위

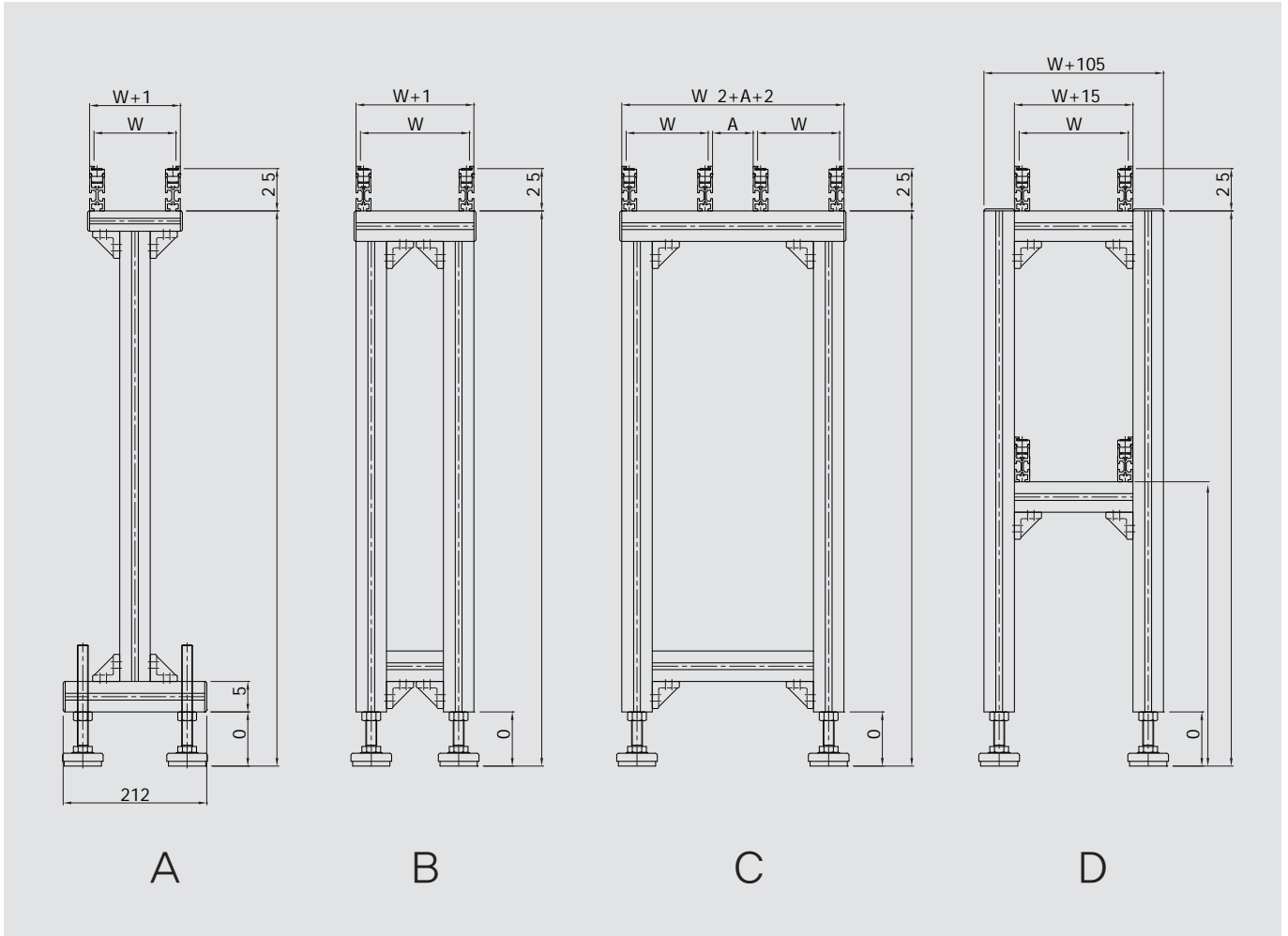
일반 부품을 이송하는 팔레트의 정지
짧은 구간의 팔레트 분리



UFT1



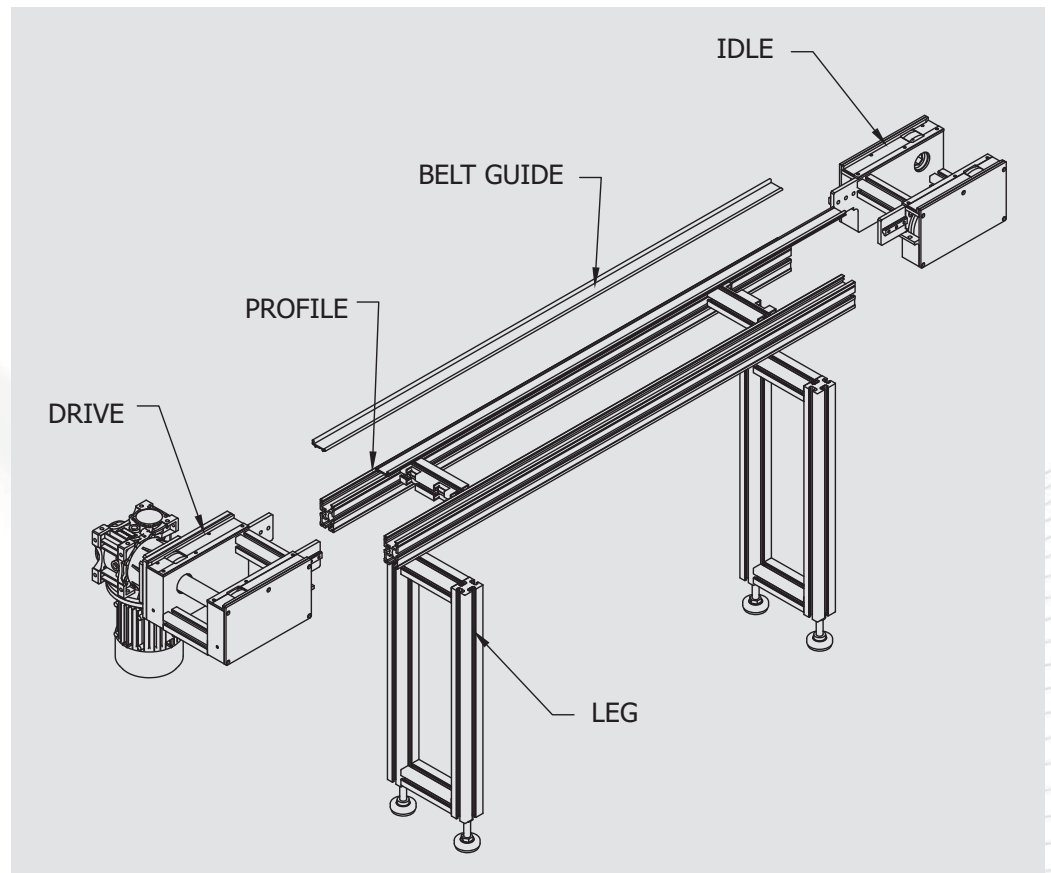
LEG1



TYPE	W	H	K	A	주문형식
A	80, 120	300~1,300			LEG1A-W□-H□
B	120, 160	300~1,300			LEG1B-W□-H□
C	80, 120, 160	300~1,300		62, 137	LEG1C-W□-H□-A□
D	80, 120, 160	400~1,300	180~1,000		LEG1D-W□-H□-K□

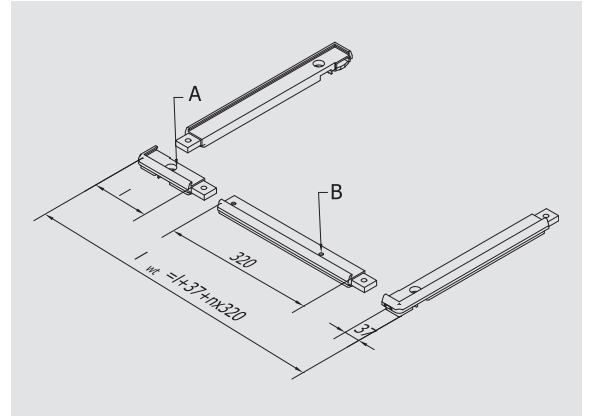
❖ MAIN CONVEYOR COMPONENT

UFT2 구성



MODULE

TYPE	L	주문형식
MODULE (A)	160	UN160
	200	UN200
	240	UN240
	280	UN280
	320	UN320
	400	UN400
MODULE (B)	+320	UNEXP320



기능 및 특징

POSITIONING 기능 : 팔레트의 4개의 BUSH 중 2개를 사용하여 ± 0.05 의 위치 결정

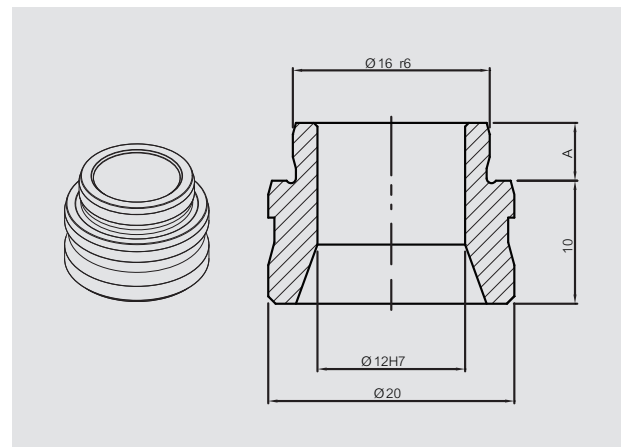
GUIDE 기능 : INNER GUIDE를 추가 부착시 0.5mm 이내의 직진정도

SENSING 기능 : 팔레트의 모서리 4방향 뿐만 아니라 하부 4방향을 근접센서를 이용하여 감지

STOP 기능 : 아래면을 STOPPER를 이용하여 정지하고, STOP GATE 가 있어서 다음 팔레트를 정지

BUSH

PLATE 두께	A (mm)	주문형식
4.8	4.8-0.1	PB2-4.8T
8	8-0.1	PB2-8T
12	12-0.1	PB2-12T
12.7	12.7-0.1	PB2-12.7T
16	16-0.1	PB2-16T



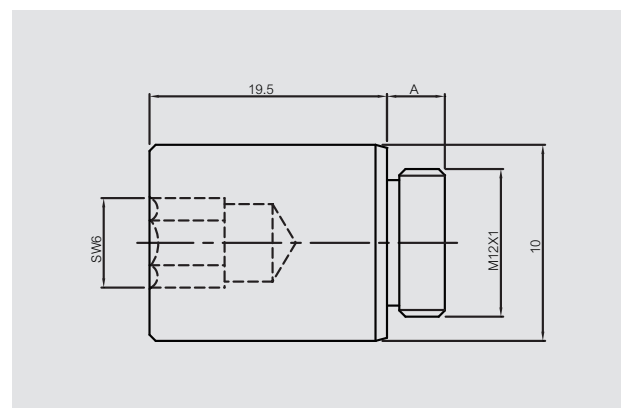
적용범위

팔레트 조립시 4개의 부쉬로 고정

포지셔닝 부쉬로 사용

BOLT

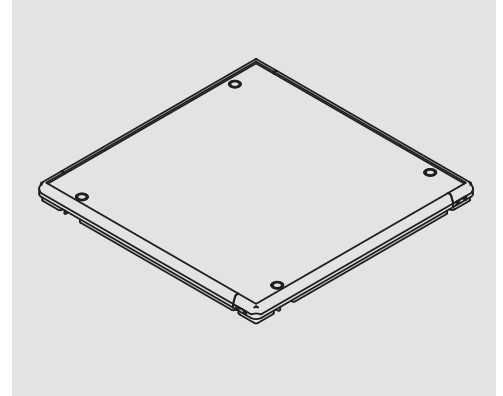
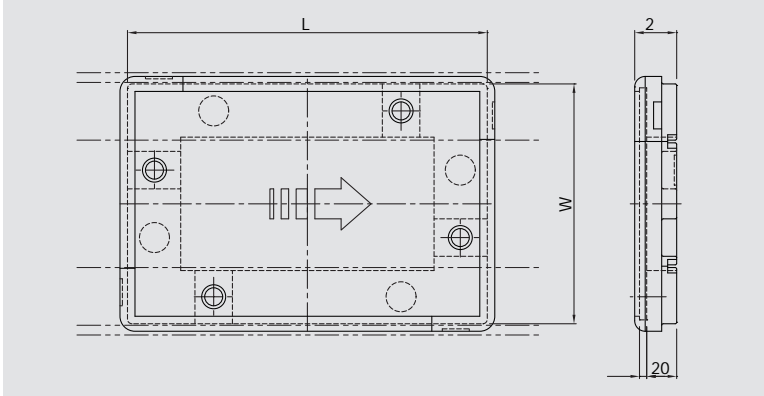
PLATE 두께	A (mm)	주문형식
4.8	4.8-0.1	BT2-4.8T
8	8-0.1	BT2-8T
12	12-0.1	BT2-12T
12.7	12.7-0.1	BT2-12.7T
16	16-0.1	BT2-16T



적용범위

W480 X L400 이상의 강화 모듈 팔레트 사용시 필요

PM2



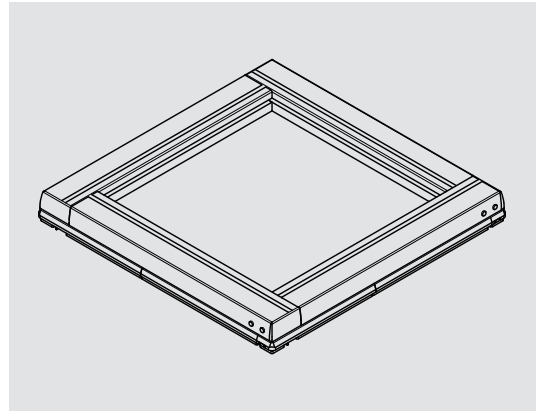
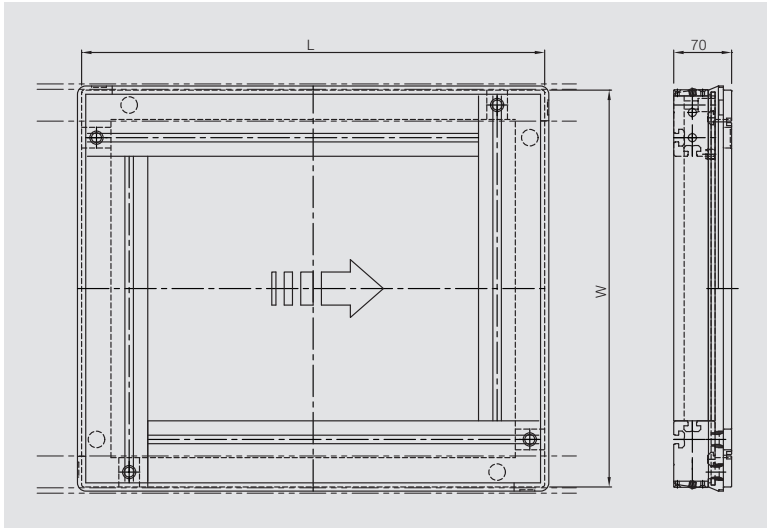
주문형식

PM2-W□-L□-T□-S or A

W = 폭, L = 길이, T = 두께, □ 평탄도

W	L	Steel Plate			Aluminum Plate			Aluminum Plate		
		T	□ (mm)	Wp (Kg)	T	□ (mm)	Wp (Kg)	T	□ (mm)	Wp (Kg)
160	160	4.8	0.3	0.9						
200	160	4.8	0.3	1.2						
200	200	4.8	0.3	1.5						
240	160	4.8	0.3	1.4						
240	200	4.8	0.3	1.8						
240	240	4.8	0.3	2.1						
280	160	4.8	0.3	1.7						
280	200	4.8	0.3	2.1						
280	240	4.8	0.3	2.5						
280	280	4.8	0.5	2.9						
320	160	4.8	0.3	1.8						
320	200	4.8	0.5	2.4						
320	240	4.8	0.5	2.8						
320	280	4.8	0.5	3.4						
320	320	4.8	0.5	4.3	8.0	0.5	2.1			
400	240	4.8	0.5	4.1	8.0	0.5	2.0			
400	320	4.8	0.6	5.3	8.0	0.6	2.7			
400	400	4.8	0.6	6.6	8.0	0.6	3.4	12.7	0.6	5.3
480	320	4.8	0.6	6.4	8.0	0.6	3.2	12.7	0.6	5.1
480	400	4.8	0.6	7.8	8.0	0.6	4.0	12.7	0.6	6.4
480	480	4.8	0.8	9.3	8.0	0.8	4.9	12.7	0.8	7.7
640	400	4.8	0.8	10.4	8.0	0.8	5.4	12.7	0.8	8.6
640	480	4.8	1.0	12.3	8.0	1.0	6.5	12.7	1.0	10.3
640	640	4.8	1.0	16.3		1.0	8.7	12.7	1.0	13.8
800	400							12.7	1.0	10.8
800	480							12.7	1.0	12.9
800	640							12.7	1.0	17.3
800	800							12.7	1.0	21.7
1040	640							12.7	1.2	22.5
1040	800							12.7	1.2	28.2

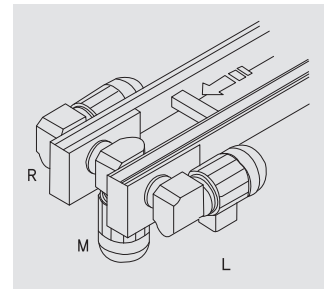
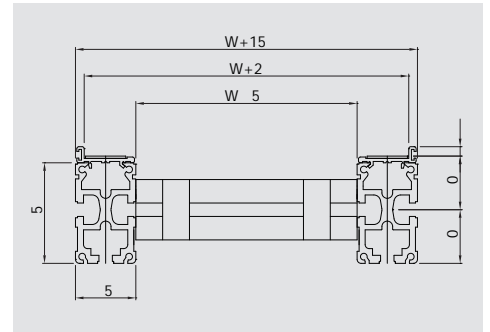
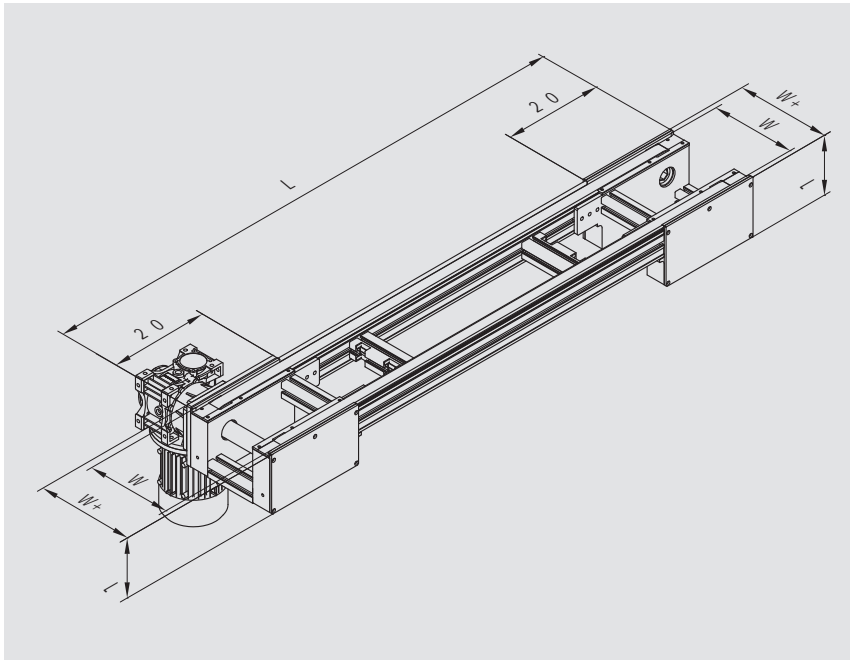
PM2H



W	L	Wp (Kg)
400	400	6.6
400	480	7.1
480	480	7.7
400	640	8.9
480	640	9.4
640	640	11.2
400	800	10.2
480	800	10.8
640	800	12.5
800	800	13.9
640	1040	15.0
800	1040	16.0
1040	1040	18.0

주문형식
PM2H-W□-L□
W = 폭, L = 길이

UFT2

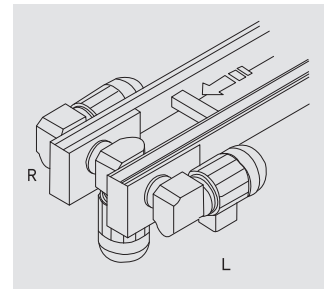
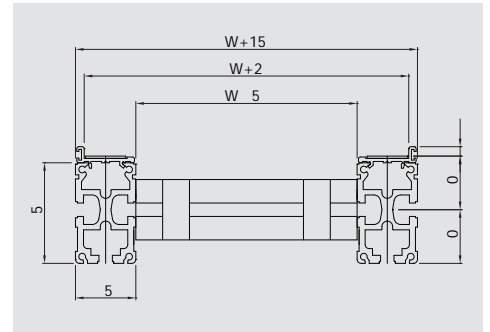
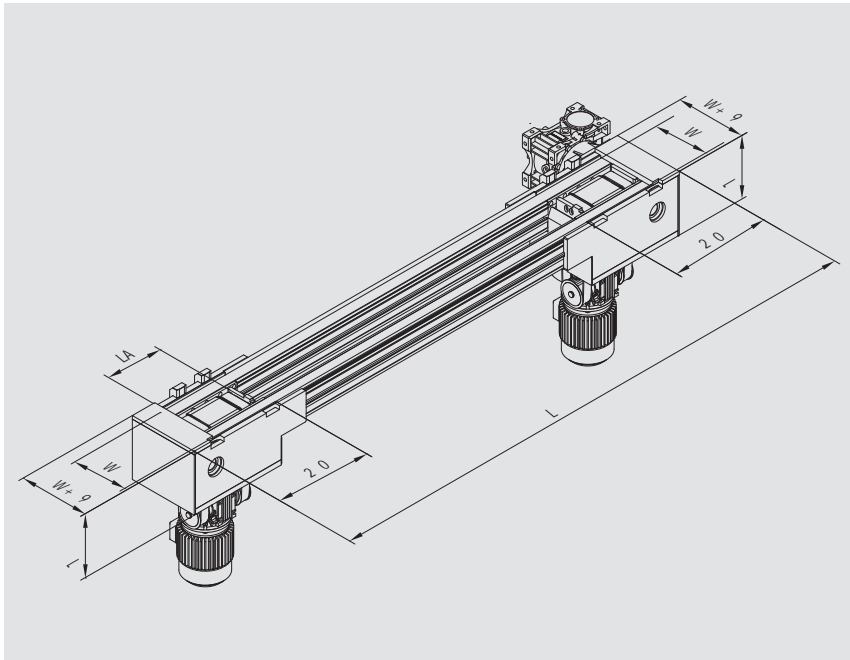
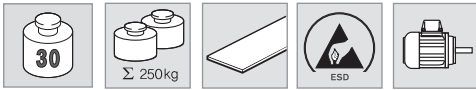


UFT2

W	L (mm)	V (m/min)	모터위치	주문형식
160	1,000~24,000	6.6 8.2 11 13.2 16.5 17.4 22	R, L	UFT2-W□-L□-V□-R(L) 전원사양 - 삼상□V, □Hz
200				
240				
280				
320				
400				
480				
640				
800				
1040				

속도 및 무게에 따른 모터 선정표							
V (m/min)	6.6	8.2	11	13.2	16.5	17.4	22
0.4Kw	250 Kg	250 Kg	250 Kg	230 Kg	180 Kg	170 Kg	130 Kg
0.75Kw	250 Kg	250 Kg	250 Kg	250 Kg	250 Kg	250 Kg	250 Kg

UFT2DV



적용범위

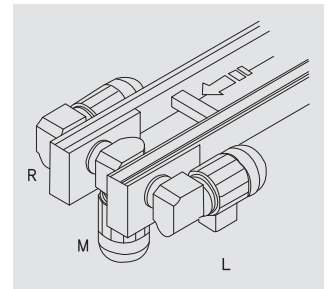
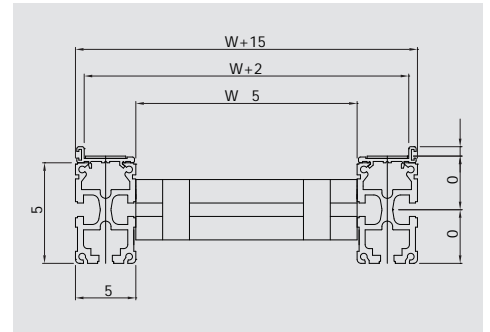
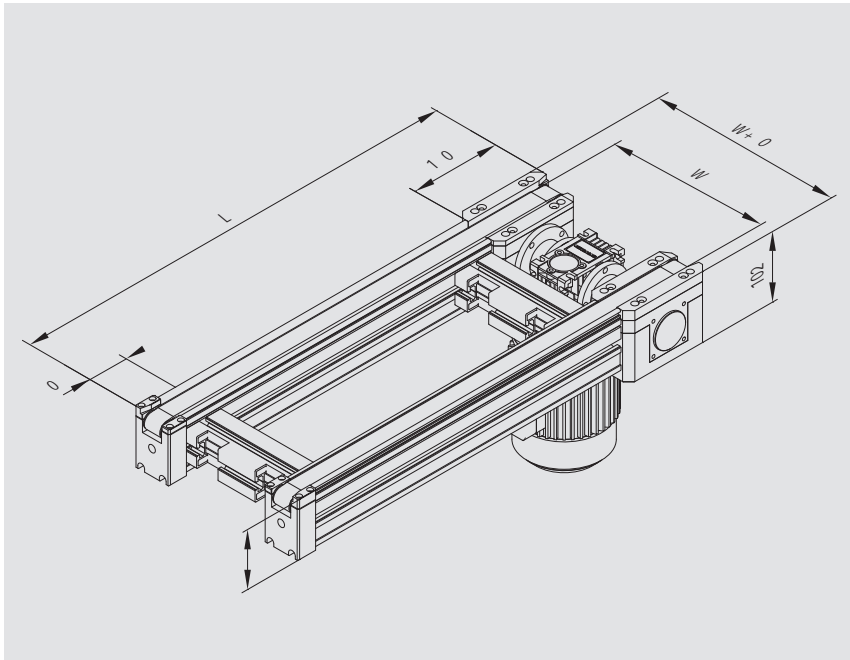
구동부와 중동부에 DIVERTER를 일체형으로 제작하여 레이아웃을 줄일 수 있음.

W	LA	L (mm)	모터위치	주문형식
160	160,	1,000~24,000	R, L	UFT2DV-W□-LA□-L□-V□-R(L) 전원사양 - 삼상□V, □Hz
200	200,			
240	240,			
280	280,			
320	320			

속도 및 무게에 따른 모터 선정표

V (m/min)	6.6	8.2	11	13.2	16.5	17.4	22
0.4Kw	250 Kg	250 Kg	250 Kg	230 Kg	180 Kg	170 Kg	130 Kg
0.75Kw	250 Kg	250 Kg	250 Kg	250 Kg	250 Kg	250 Kg	250 Kg

UFB2

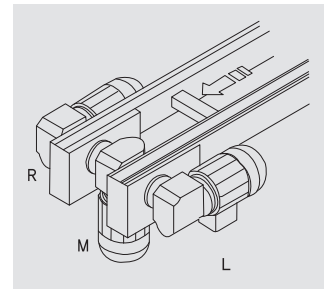
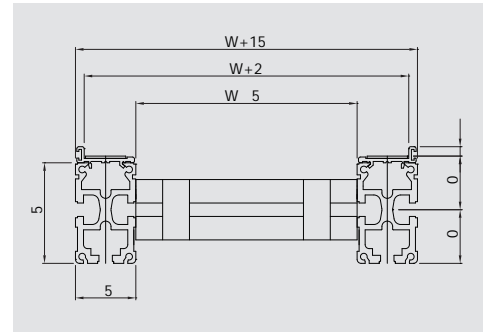
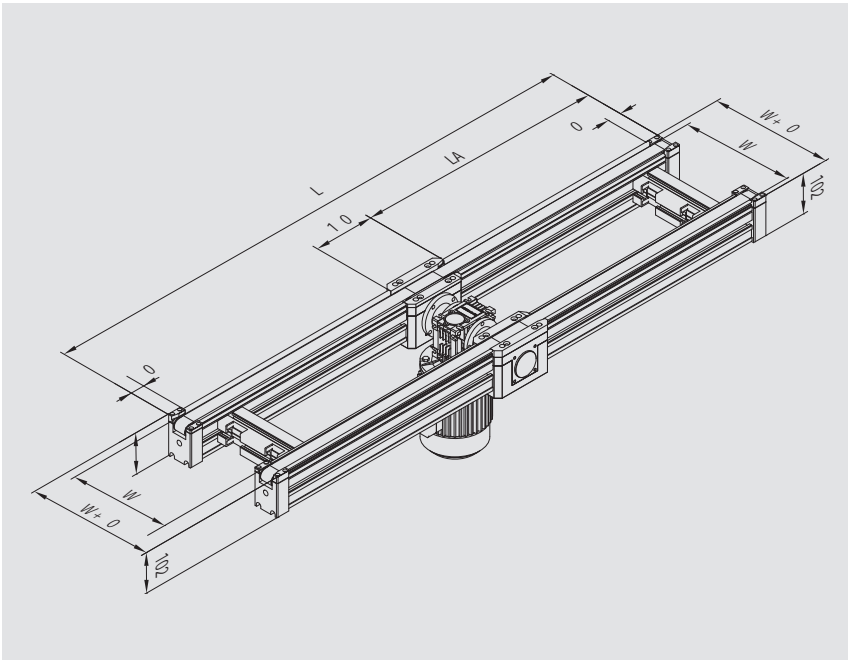
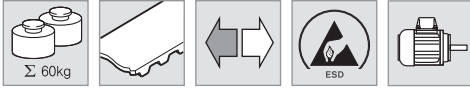


UFT2

W	L (mm)	V (m/min)	모터위치	주문형식
160	240~6,000	5.7 7.6 9.1 11.4 15.2 18.2 22.7	R, L	UFB2-W□-L□-V□-R(L, M) 전원사양 - 삼상□V, □Hz
200				
240				
280				
320				
400				
480				
640				
800				
1040				

속도 및 무게에 따른 모터 선정표							
속도 (m/min)	5.7	7.6	9.1	11.4	15.2	18.2	22.7
0.1Kw	60 Kg	60 Kg	60 Kg	60 Kg	45 Kg	35 Kg	30 Kg
0.2Kw	60 Kg	60 Kg	60 Kg	60 Kg	60 Kg	60 Kg	60 Kg

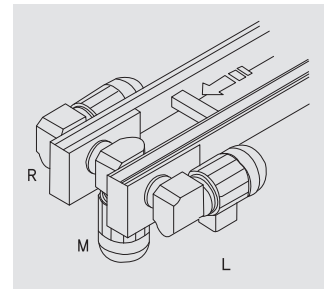
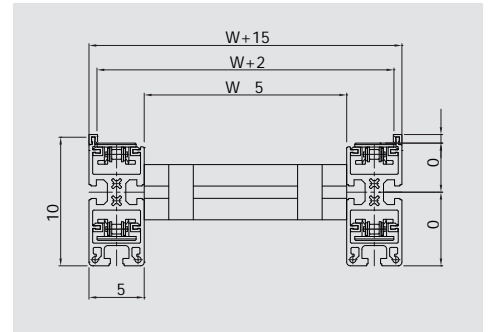
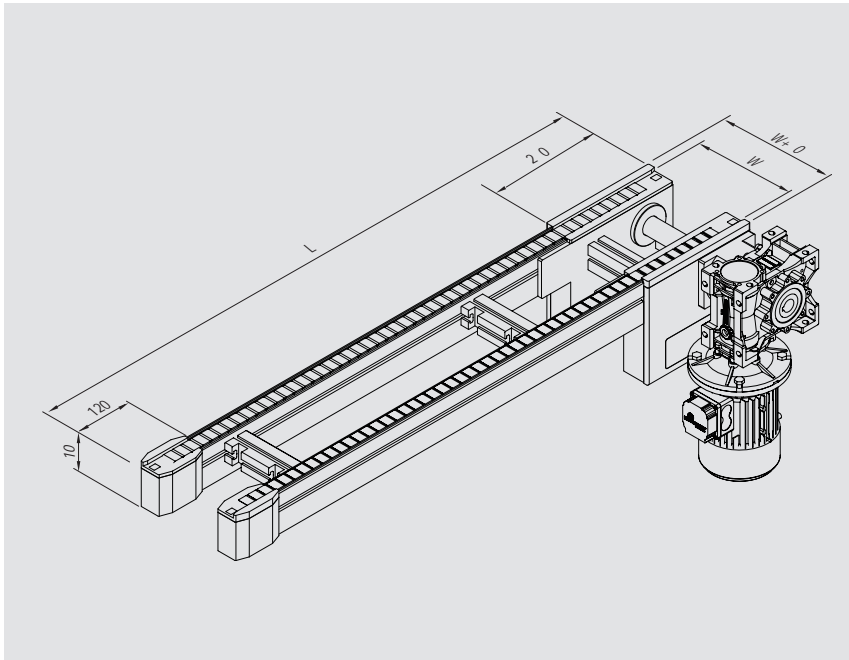
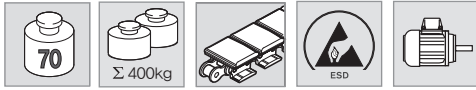
UFB2M



W	LA (mm)	L (mm)	V (m/min)	모터위치	주문형식
160	90~5,770	310~6,000	5.7 7.6 9.1 11.4 15.2 18.2 22.7	R, L	UFB2M-W□-LA□-L□-V□-R(L, M) 전원사양 - 삼상□V, □Hz
200					
240					
280					
320					
400					
480					
640					
800					
1040					

속도 및 무게에 따른 모터 선정표							
속도 (m/min)	5.7	7.6	9.1	11.4	15.2	18.2	22.7
0.1Kw	60 Kg	60 Kg	60 Kg	60 Kg	45 Kg	35 Kg	30 Kg
0.2Kw	60 Kg	60 Kg	60 Kg	60 Kg	60 Kg	60 Kg	60 Kg

UFT2-F

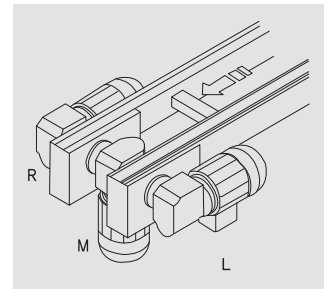
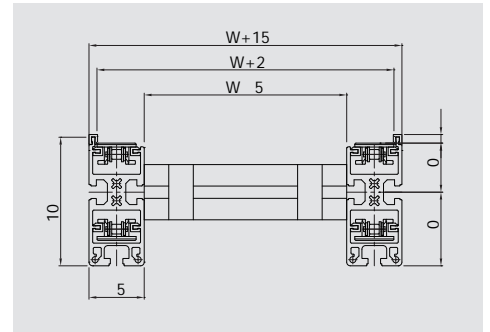
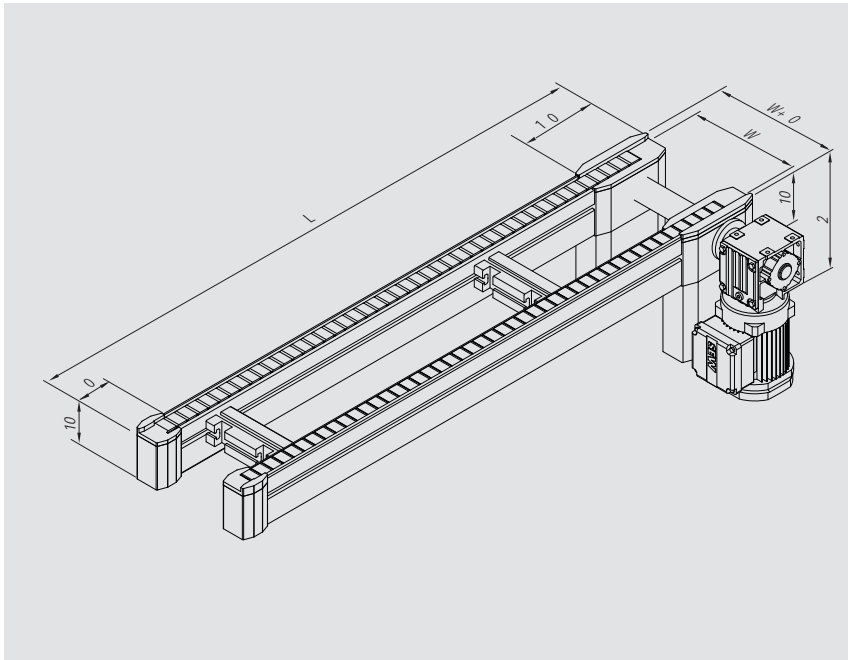


UFT2

W	L (mm)	V (m/min)	모터위치	주문형식
160	650~6,000	6.2 7.8 10.4 12.5 15.6 20.8	R, L	UFT2-F-W□-L□-V□-R(L, M) 전원사양 - 삼상□V, □Hz
200				
240				
280				
320				
400				
480				
640				
800				
1040				

속도 및 무게에 따른 모터 선정표						
속도 (m/min)	6.2	7.8	10.4	12.5	15.6	20.8
0.4Kw	400 Kg	350 Kg	260 Kg	220 Kg	170 Kg	120 Kg
0.75Kw	400 Kg	400 Kg	400 Kg	400 Kg	340 Kg	240 KG

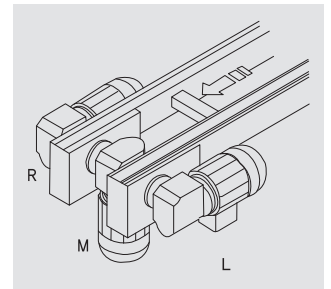
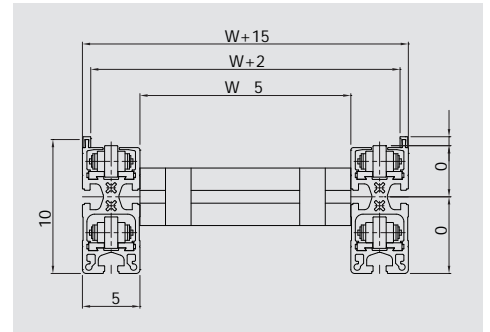
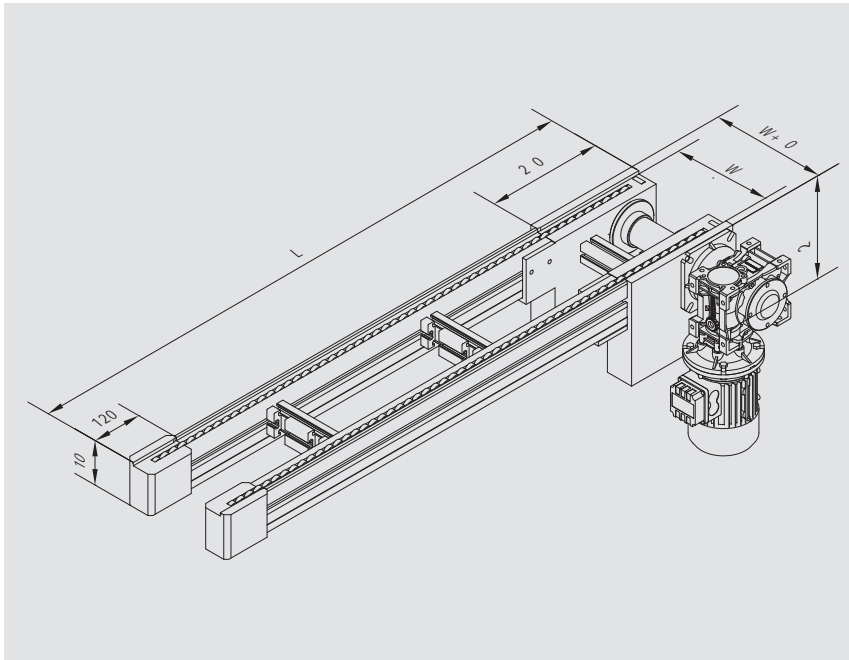
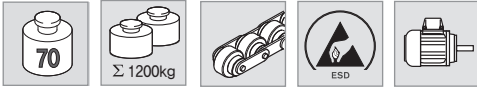
UFB2-F



W	L (mm)	V (m/min)	모터위치	주문형식
160	300~6,000	6.7 8 10 13.4 16 20.1	R, L	UFB2-F-W□-L□-V□-R(L, M) 전원사양 - 삼상□V, □Hz
200				
240				
280				
320				
400				
480				
640				
800				
1040				

속도 및 무게에 따른 모터 선정표						
속도 (m/min)	6.7	8	10	13.4	16	20.1
0.2Kw	180 Kg	150 Kg	120 Kg	90 Kg	65 Kg	50 Kg
0.4Kw	250 Kg	250 Kg	250 Kg	200 Kg	160 Kg	130 Kg

UFT2-R



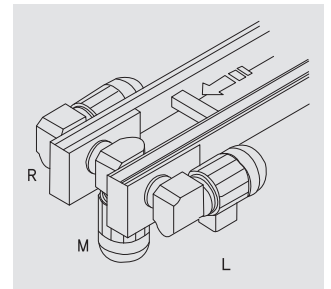
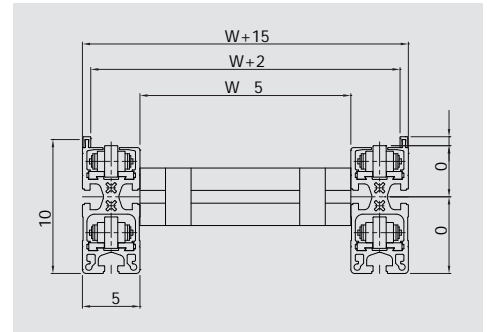
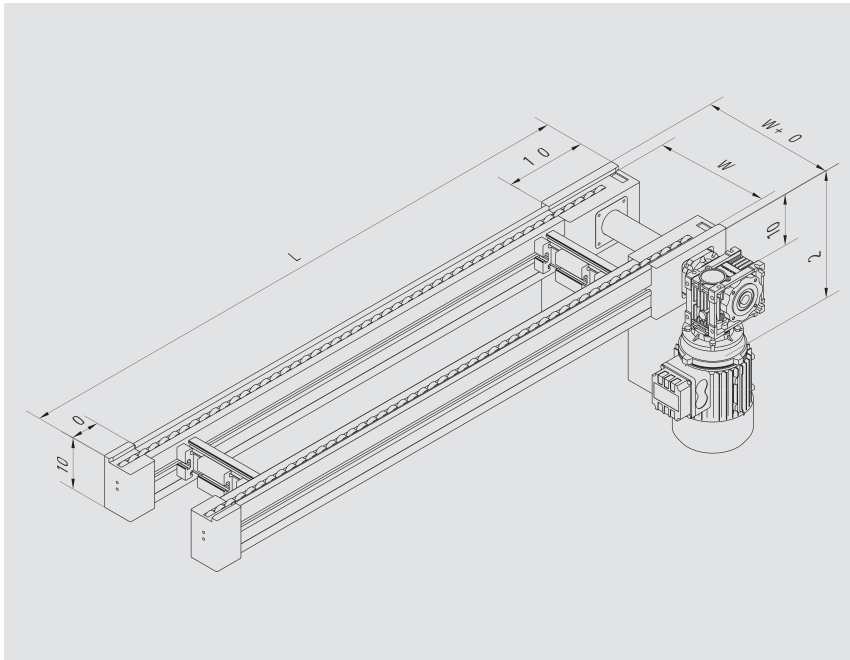
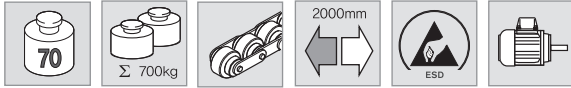
UFT2

W	L (mm)	V (m/min)	V (m/min)	모터위치	주문형식
160	650~6,000	무배속체인	배속체인	R, L	UFT2-R-W□-L□-V□-R(L, M) 전원사양 - 삼상□V, □Hz
200					
240					
280					
320					
400					
480					
640					
800					
1040					

체인 사양	UC2040-CR (무배속 체인)					UC2040-VR (배속 체인)				
속도 (m/min)	5.8	7.3	9.7	11.7	14.6	9.1	12.1	14.6	18.2	24.3
0.4Kw	1000 Kg	800 Kg	600 Kg	500 Kg	400 Kg	1200 Kg	1200 Kg	1000 Kg	800 Kg	600 Kg
0.75Kw	1000 Kg	1000 Kg	1000 Kg	1000 Kg	800 Kg	1200 Kg	1200 Kg	1000 Kg	1000 Kg	1000 Kg

체인 롤러와 롤러 사이에 이물질 투입 방지 커버가 부착된 제품도 준비되어 있습니다.
체인 선정시 문의 바랍니다.

UFB2-R

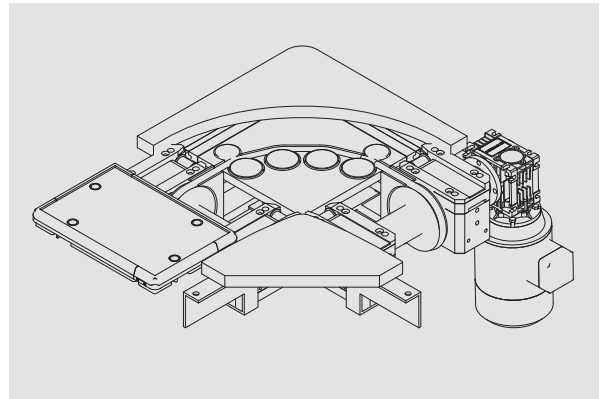
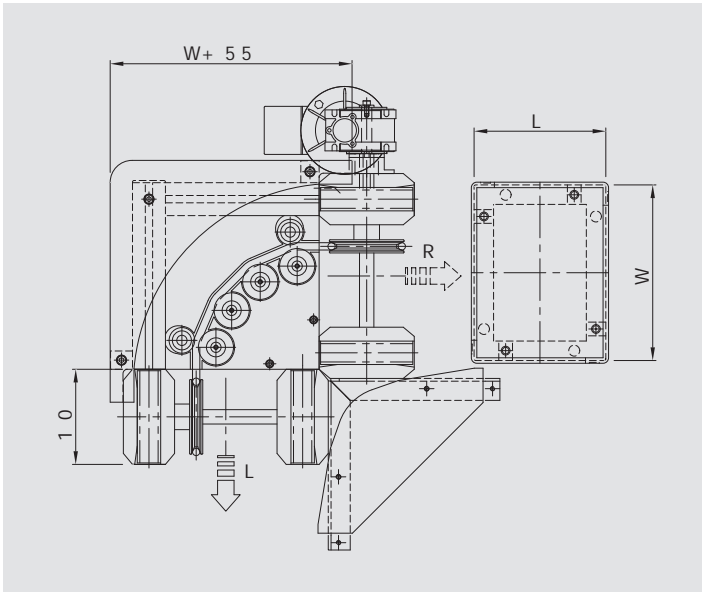
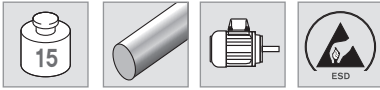


W	L (mm)	V (m/min)	V (m/min)	모터위치	주문형식
160	300~6,000	무배속체인	배속체인	R, L	UFB2-R-W□-L□-V□-R(L, M) 전원사양 - 삼상□V, □Hz
200					
240					
280					
320					
400		R, L, M			
480					
640					
800					
1040					

체인 사양	UC2040-CR (무배속 체인)					UC2040-VR (배속 체인)				
속도 (m/min)	6.1	7.3	9.1	12.2	14.6	9.1	11.4	15.2	18.2	22.8
0.1Kw	210 Kg	150 Kg	120 Kg	90 Kg	70 Kg	300 Kg	250 Kg	190 Kg	150 Kg	110 Kg
0.2Kw	450 Kg	370 Kg	300 Kg	220 Kg	180 Kg	700 Kg	630 Kg	470 Kg	380 Kg	300 Kg

체인 롤러와 롤러 사이에 이물질 투입 방지 커버가 부착된 제품도 준비되어 있습니다.
 체인 선정시 문의 바랍니다.

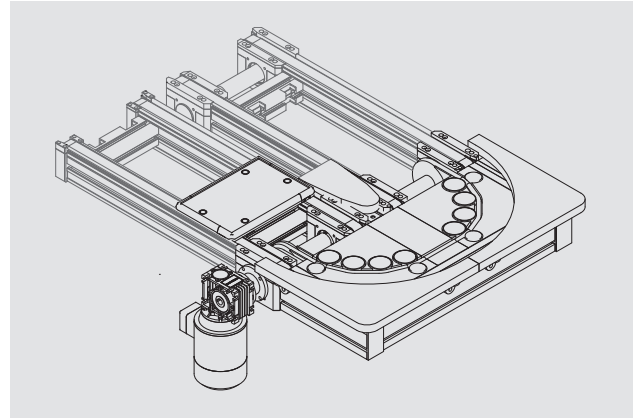
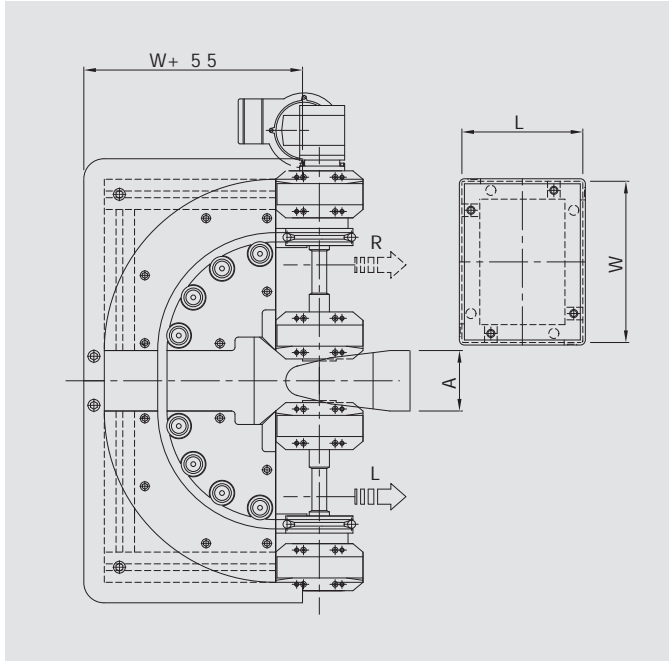
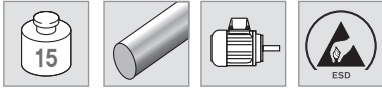
CU2-90



UFT2

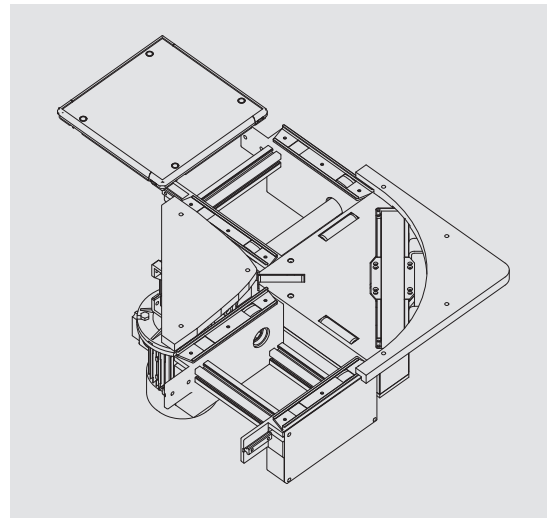
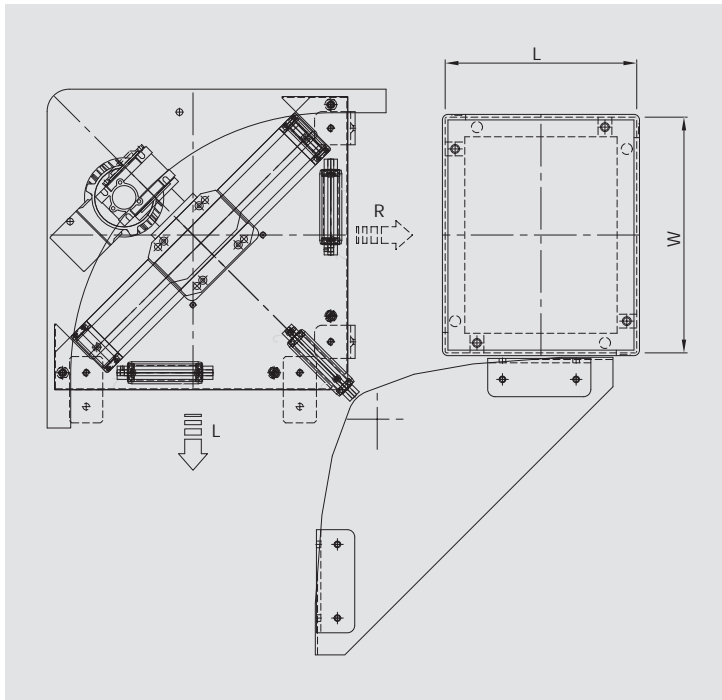
W	L	V (m/min)	회전방향	주문형식
160	160, 240	5.7, 7.6, 9.1, 11.4, 15.2, 18.2	R, L	CU2-90-W□-L□-V□-R(L) 전원사양 - 삼상□V, □Hz
240	160, 240, 320			
320	240, 320, 400			
400	320, 400			

CU2-180



W	L	A	V (m/min)	회전방향	주문형식
160	160, 240	90, 135	5.7, 7.6, 9.1, 11.4, 15.2, 18.2, 22.7	R, L	CU2-180-W□-L□-A□-V□-CW (CCW) 전원사양 - 삼상□V, □Hz
240	160, 240, 320				
320	240, 320, 400				
400	320, 400				

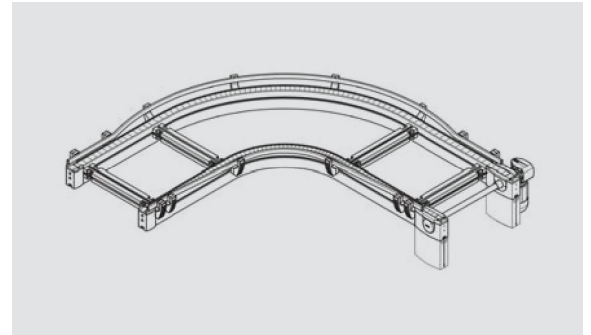
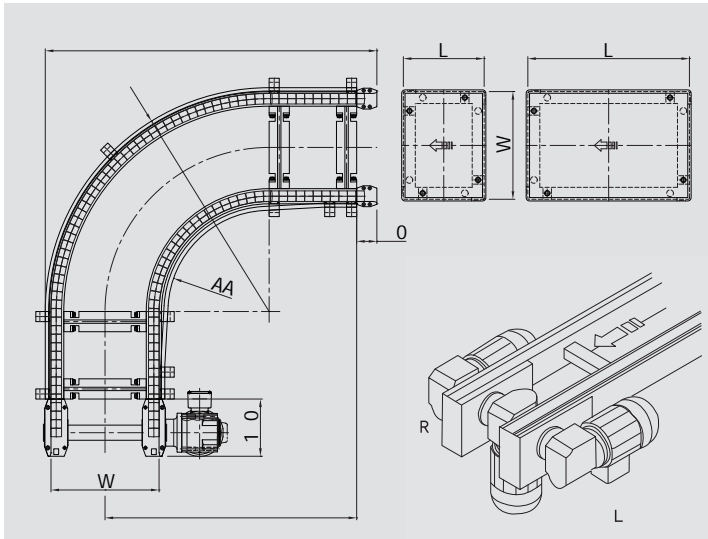
CU2B-90



UFT2

W	L	V (m/min)	회전방향	주문형식
160	160, 240	5.7, 7.6, 9.1, 11.4, 15.2, 18.2, 22.7	R, L	CU2B-90-W□-L□-V□-R(L) 전원사양 - 삼상□V, □Hz
240	160, 240, 320			
320	240, 320, 400, 480			
400	320, 400, 480			
480	320, 400, 480, 640			
640	640, 800, 960	5.7, 7.6, 9.1, 11.4, 15.2, 18.2		

CU2F-90



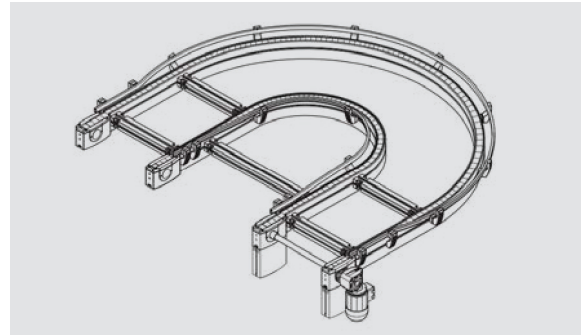
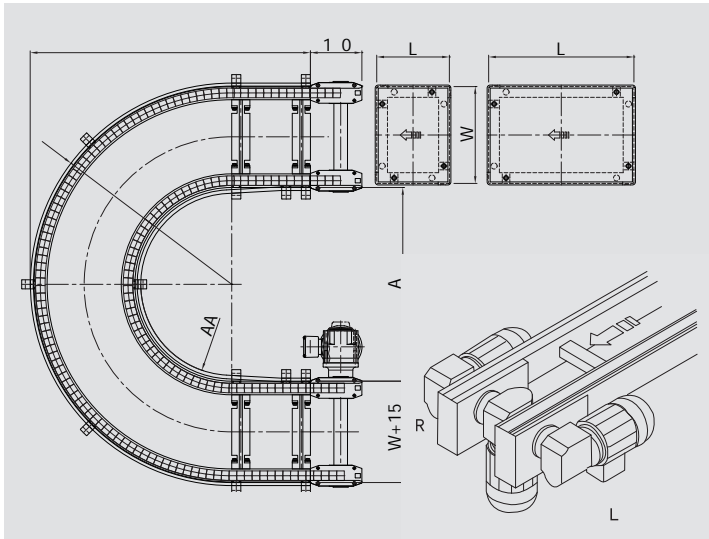
주문형식

CU2F-90-W□-L□-V□-R(L)

전원사양 - 삼상□V, □Hz

W	L	V (m/min)	모터위치	AA	BB	G	H
160	160	6.7, 8, 10, 13.4, 16, 20.1	R, L	495	286	755	667
	240			495	287	835	747
	320			495	266	915	827
240	160	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	575	287	835	707
	240			575	280	915	787
	320			575	270	995	867
	400			575	256	1075	947
	480			575	240	1155	1027
320	160	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	655	288	915	747
	240			655	282	995	827
	320			655	273	1075	907
	400			655	261	1155	987
	480			655	247	1235	1067
400	240	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	733	283	1075	867
	320			733	275	1155	947
	400			733	265	1235	1027
	480			733	252	1315	1107
	640			733	260	1299	1032
480	320	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	815	277	1235	987
	400			815	268	1315	1067
	480			815	256	1395	1147
	640			815	267	1366	1060
	800			895	319	1595	1289
640	400	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	975	272	1475	1147
	480			975	263	1555	1227
	640			975	278	1503	1117
	800			1055	333	1733	1347
	1040			1055	277	1973	1587
800	480	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	1135	267	1715	1307
	640			1135	285	1642	1176
	800			1215	344	1872	1406
	1040			1215	296	2112	1646

CU2F-180



주문형식

CU2F-180-W□-L□-V□-R(L)
전원사양 - 삼상□V, □Hz

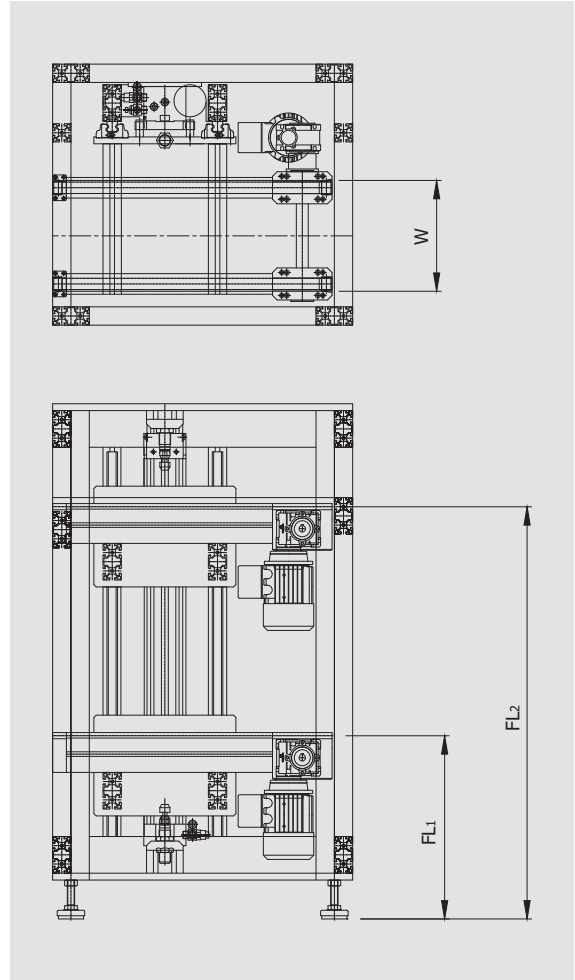
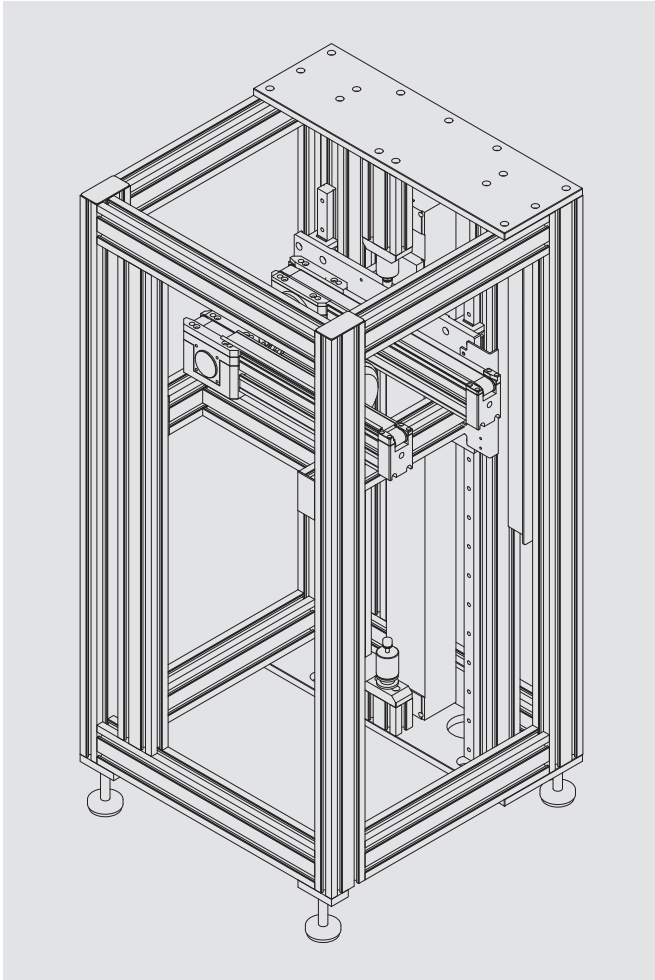
W	L	V (m/min)	모터위치	AA	BB	G	A
160	160	6.7, 8, 10, 13.4, 16, 20.1	R, L	495	286	755	640
	240			495	287	835	640
	320			495	266	915	640
240	160	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	575	287	835	640
	240			575	280	915	640
	320			575	270	995	640
	400			575	256	1075	640
	480			575	240	1155	640
320	160	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	655	288	915	640
	240			655	282	995	640
	320			655	273	1075	640
	400			655	261	1155	640
	480			655	247	1235	640
400	240	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	733	283	1075	640
	320			733	275	1155	640
	400			733	265	1235	640
	480			733	252	1315	640
	640			733	260	1299	640
480	320	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	815	277	1235	640
	400			815	268	1315	640
	480			815	256	1395	640
	640			815	267	1366	640
	800			895	319	1595	640
640	400	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	975	272	1475	640
	480			975	263	1555	640
	640			975	278	1503	640
	800			1055	333	1733	640
	1040			1055	277	1973	640
800	480	6.7, 8, 10, 13.4, 16, 20.1	R, L, M	1135	267	1715	640
	640			1135	285	1642	640
	800			1215	344	1872	800
	1040			1215	296	2112	800

UFT2

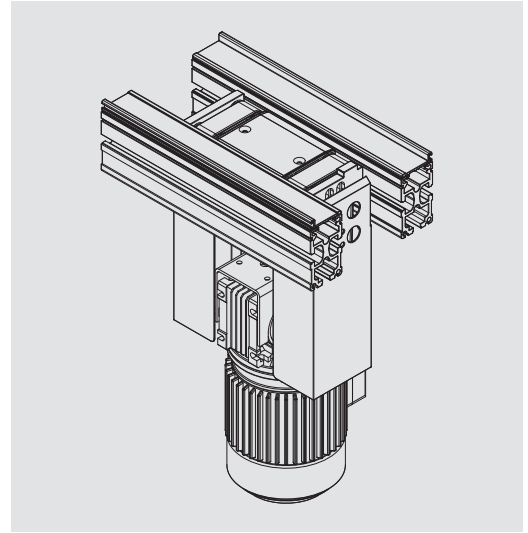
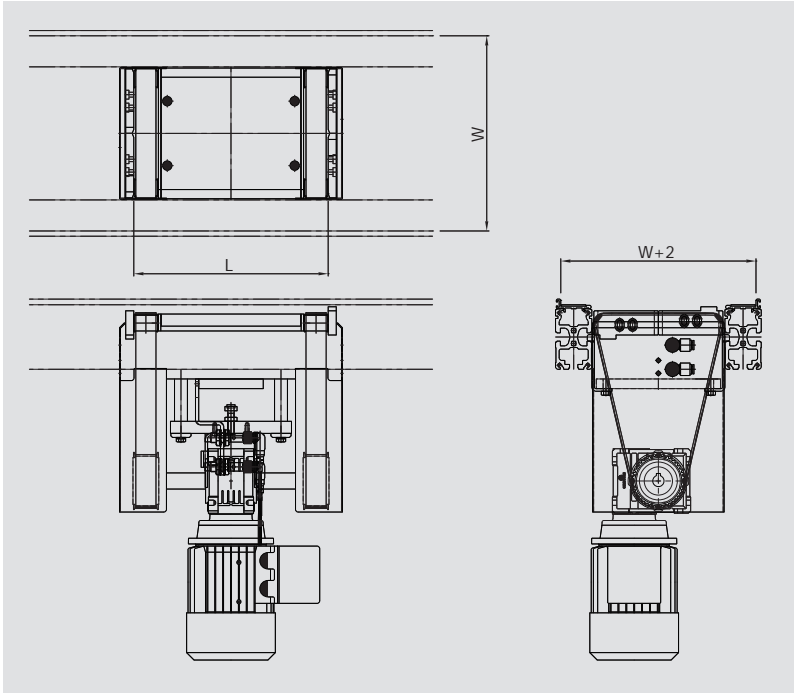
UFT2 ELEVATOR

UFT2 TYPE의 수직순환 물류 SYSTEM에 적용되는 ELEVATOR 입니다.

전체 PALLET SIZE에 대응이 가능하며, 주문사양이므로 LAY-OUT 구성시 문의 바랍니다.



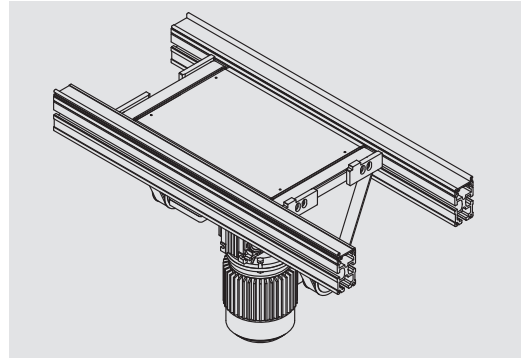
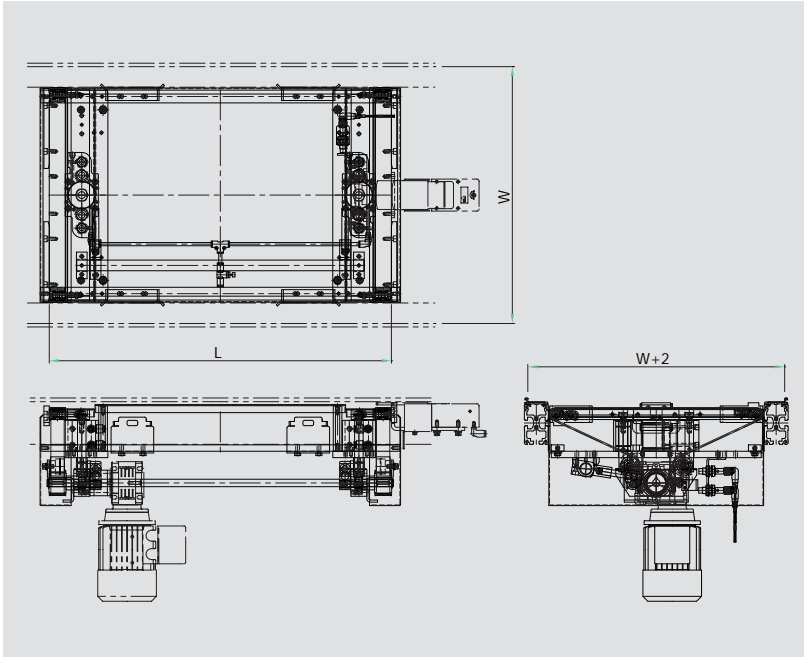
DV2



UFT2

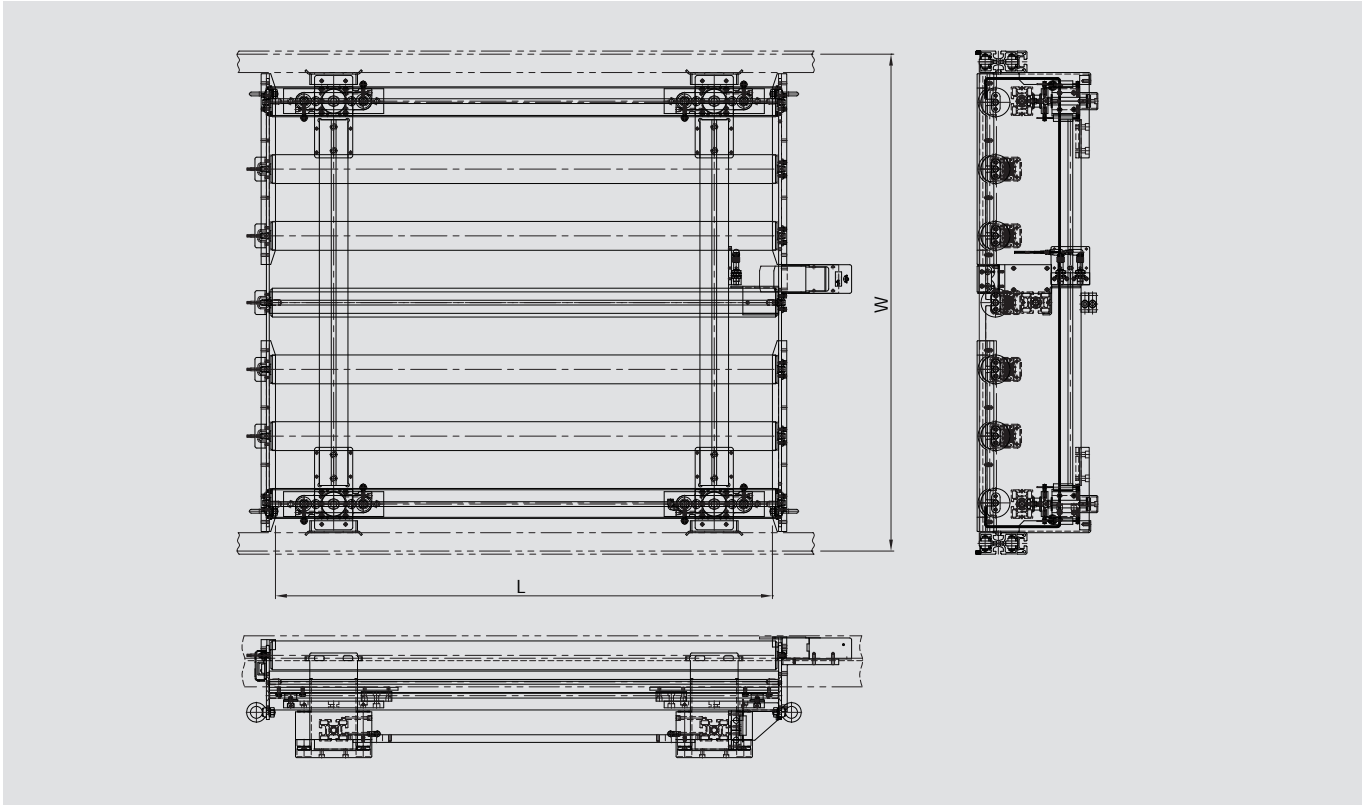
W	L	V (m/min)	주문형식
160	160, 240, 320	6.3, 7.9, 10.5, 12.6, 15.7, 21	DV2-W□-L□-V□ 전원사양 - 삼상□V, □Hz
240	160, 240, 320, 400		
320	160, 240, 320, 400		
400	240, 320, 400		
480	320		

DV2-H



W	L	V (m/min)	주문형식
320	320, 400, 480	5.7, 7.6, 9.1, 11.4, 15.2, 18.2, 22.7	DV2-H-W□-L□-V□
400	400, 480, 640		전원사양 - 삼상□V, □Hz
640	400, 480, 640		
800	400, 480, 640		

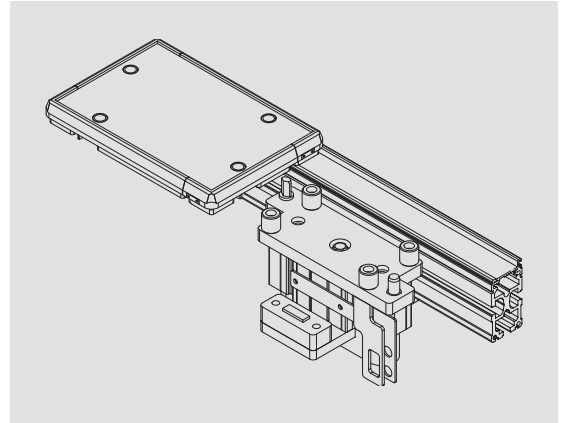
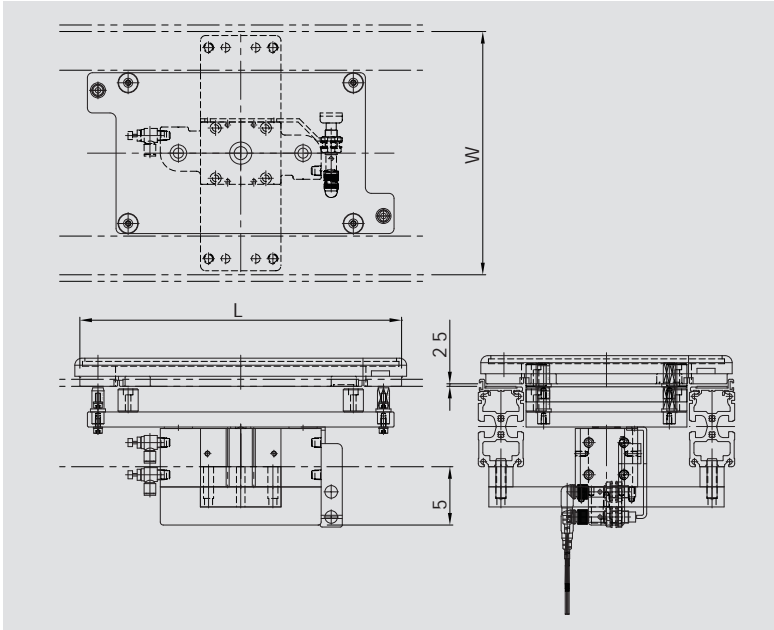
DV2-R



UFT2

W	L	V (m/min)	주문형식
480	480, 640, 800	6.6, 9.6, 12.1, 13.2, 16.7, 20.3	DV2-R-W□-L□-V□ 전원사양 - 삼상□V, □Hz
640	480, 640, 800		
800	480, 640, 800, 1040		
1040	480, 640, 800, 1040		

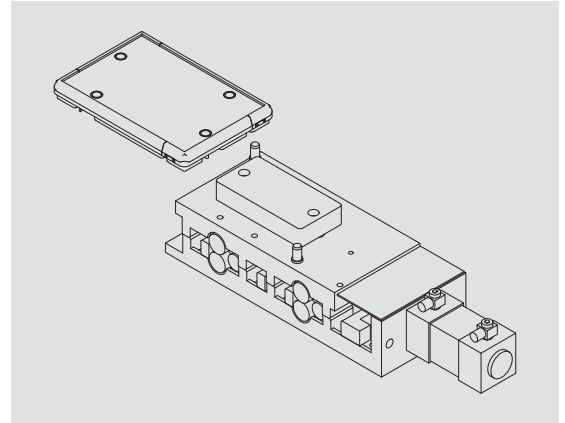
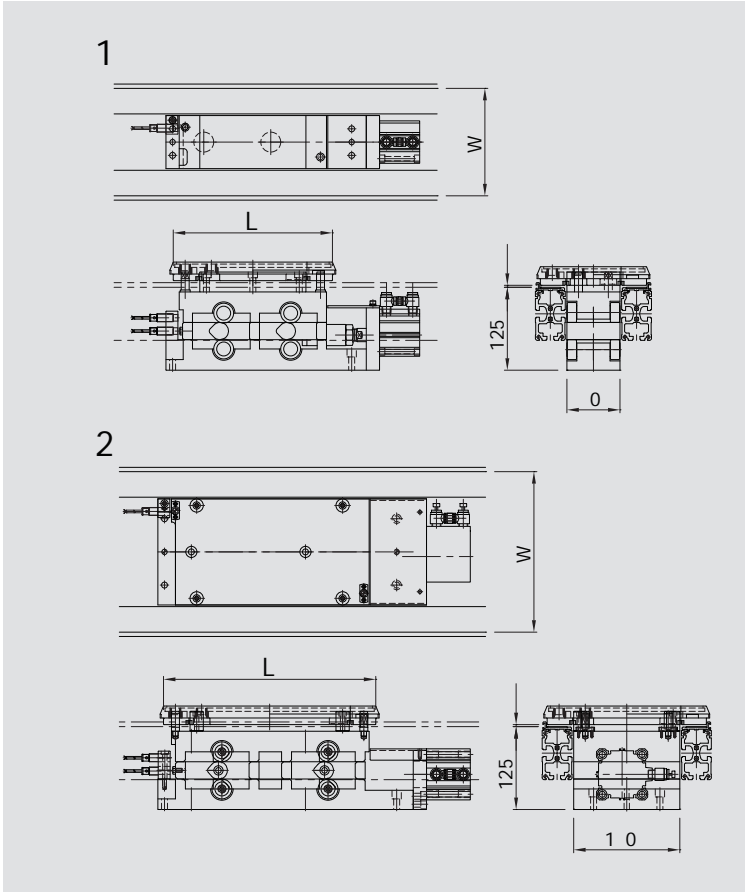
PU2



W	L	주문형식
160	160	PU2-W□-L□
240	160	
320	160	
160	240	
240	240	
320	240	
400	240	
160	320	
240	320	
320	320	

W	L	주문형식
400	320	PU2-W□-L□
480	320	
240	400	
320	400	
400	400	
480	400	
320	480	
400	480	
480	480	

PU2B



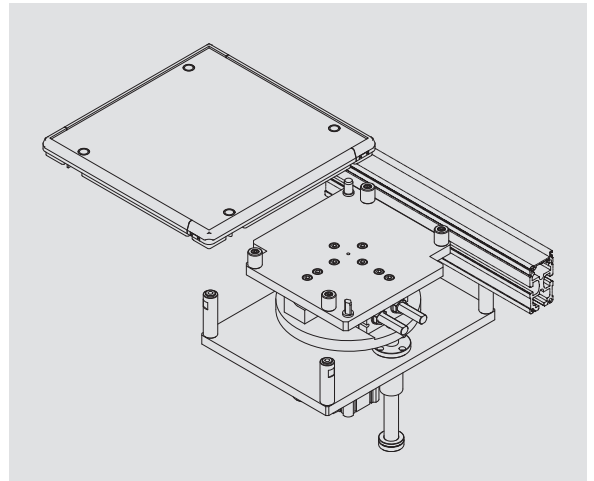
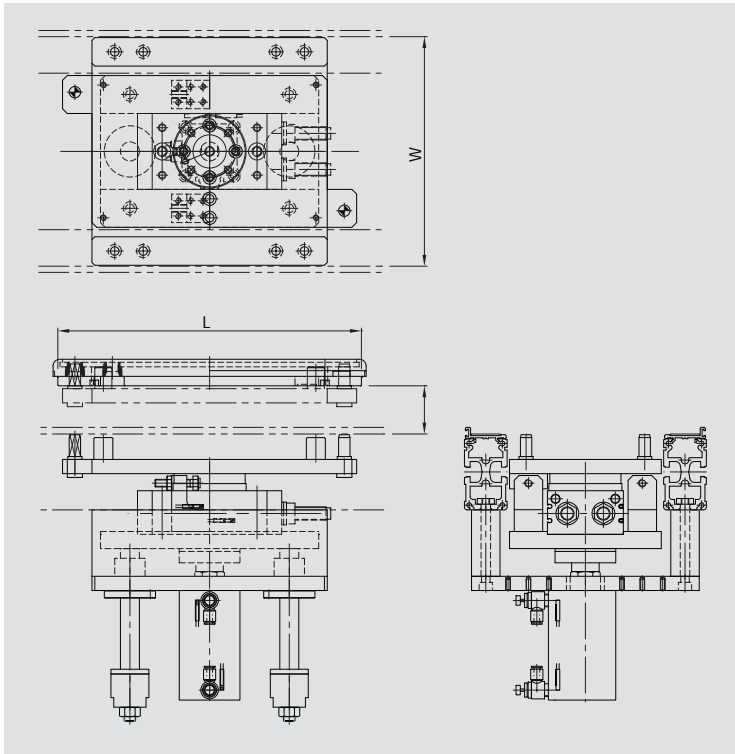
UFT2

	A (Ton)	W	L	B (Kg)	주문형식
BG1	6	160	160, 240	20	PU2B-W160-L□
BG2	10	240	160, 240, 320	30	PU2B-W240-L□
		320	160, 240, 320	30	PU2B-W320-L□

A : 백업 포지션이 상승 완료한후 지지할 수 있는 최대 허용하중

B : 백업 포지션 상승시 제품을 들수 있는 최대 허용하중

PU2T



W	L	R	H (mm)	회전방향	주문형식
160	160	90°, 180°	40, 90	R, L R: CW L: CCW	PU2T-W□-L□-R□-H□-R(L)
240	160				
320	160				
160	240				
240	240				
320	240				
400	240				
160	320				
240	320				
320	320				
400	320				
480	320				
240	400				
320	400				
400	400				
480	400				
320	480				
400	480				
480	480				

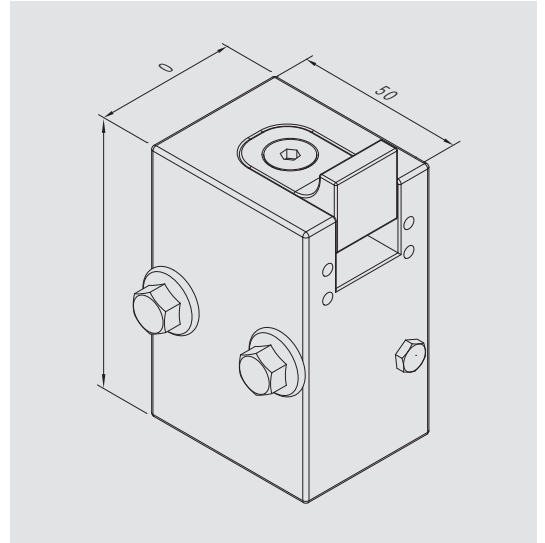
SG2 (NON DAMPER STOPPER)



WT [Kg]	V [m/min]	주문형식
200	6	SG2
140	9	
100	12	
70	15	
50	18	

적용범위

- *고하중과 대부품 이송에 적합
- *고정형 STOPPER로 외경에 비해 대용량의 중량물도 간단히 정지시킨다.
- *버퍼용 스톱퍼에 적합



UFT2

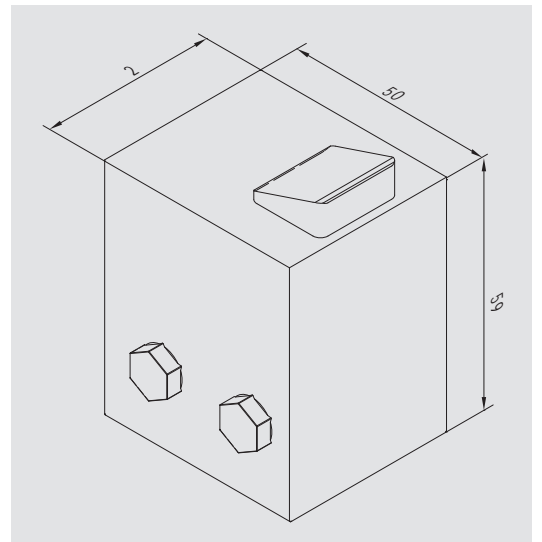
AB2 (ANTI BACK)



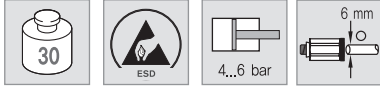
WT [Kg]	V [m/min]	주문형식
140	6	AB2
90	9	
70	12	
50	15	
30	18	

적용범위

- *팔렛트 정지시 반발력에 의한 밀림 방지



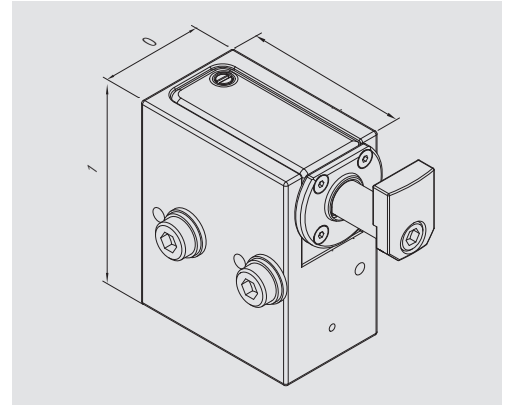
SG2D-30 (DAMPER STOPPER)



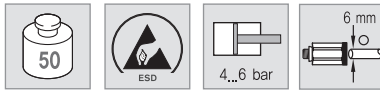
WT [Kg]	V [m/min]	주문형식
30	6	SG2D-30
30	9	
25	12	
20	15	
15	18	

적용범위

- *소형 기계부품, 전기전자부품 조립공정
- *비례제어방식 조절로 반발력 최소화
- *WHIP 부착가능



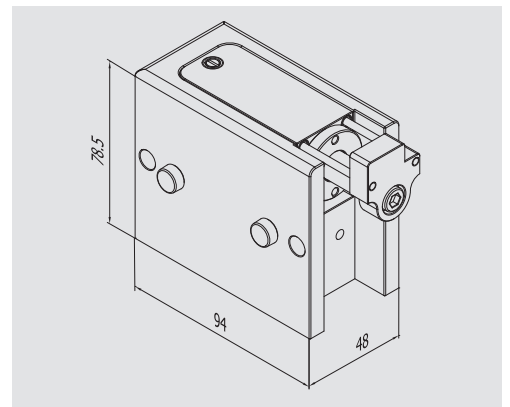
SG2D-70 (DAMPER STOPPER)



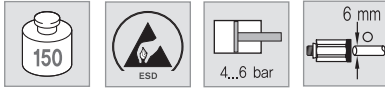
WT [Kg]	V [m/min]	주문형식
70	6	SG2D-70
60	9	
50	12	
50	15	
40	18	

적용범위

- *중형 기계부품 조립공정
- *비례제어방식 조절로 반발력 최소화
- *WHIP 부착가능



SG2D-150 (DAMPER STOPPER)



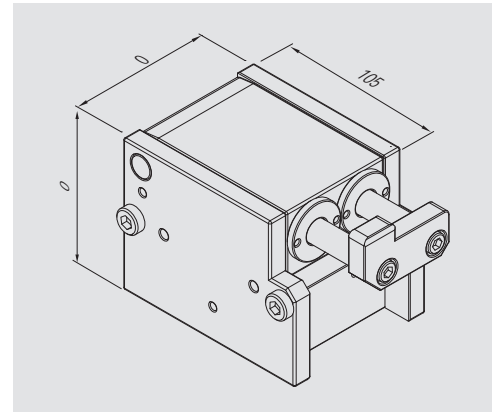
WT [Kg]	V [m/min]	주문형식
150	6	SG2D-150
120	9	
110	12	
100	15	
100	18	
55	24	
35	30	

적용범위

*중형 기계부품 조립공정

*비례제어방식 조절로 반발력 최소화

*WHIP 부착가능



UFT2

DP2-A,B (DAMPER STOPPER)



WT [Kg]	V [m/min]	주문형식
30	6	DP2-A or B
30	9	
25	12	
20	15	
15	18	

적용범위

*디버터의 측면에 부착하여 팔레트의 부드러운 정지

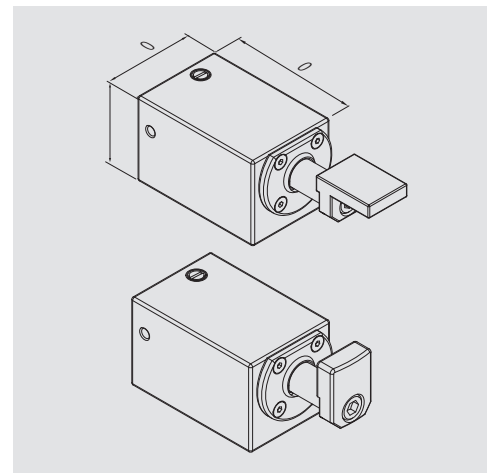
*로드형상



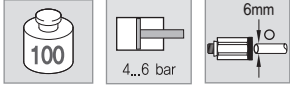
: A TYPE



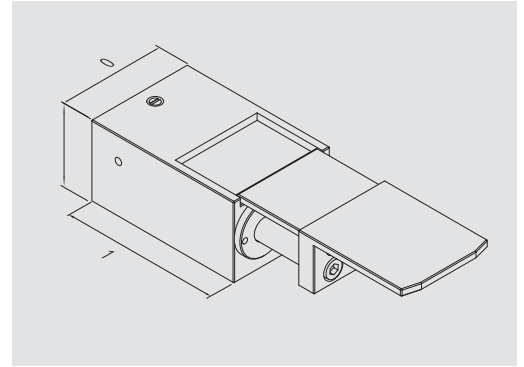
: B TYPE



DP2-100-A (DAMPER STOPPER)



WT [Kg]	V [m/min]	주문형식
100	6	DP2-100-A
100	9	
100	12	
100	15	
100	18	
55	24	
35	30	



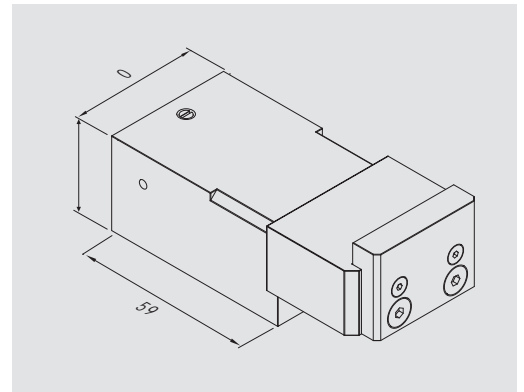
적용범위

*디버터의 측면에 부착하여 팔렛트의 부드러운 정지

DP2-100-B (DAMPER STOPPER)



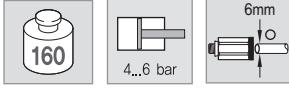
WT [Kg]	V [m/min]	주문형식
100	6	DP2-100-B
100	9	
100	12	
100	15	
100	18	
55	24	
35	30	



적용범위

*디버터의 측면에 부착하여 팔렛트의 부드러운 정지

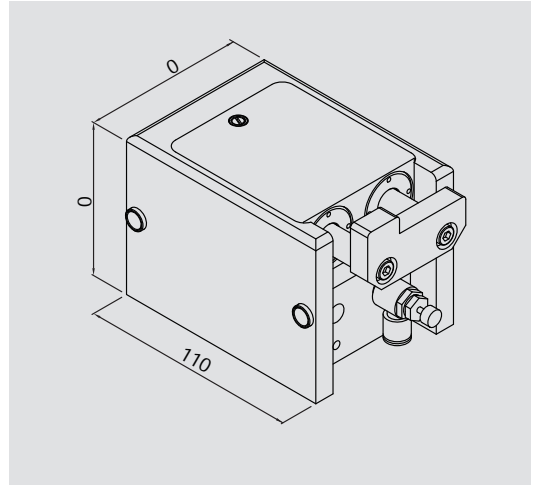
SG2D-160 (DAMPER STOPPER)



WT [Kg]	V [m/min]	주문형식
160	6	SG2D-160
130	9	
110	12	
100	15	
100	18	
55	24	
35	30	

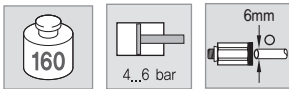
적용범위

- *고하중과 대부품 이송에 적합
- *비례제어방식 조절로 반발력 최소화
- *WHIP 부착가능



UFT2

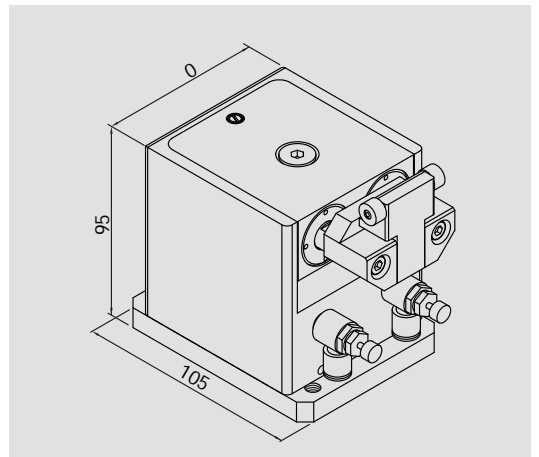
SG2D-160H (DAMPER STOPPER)



WT [Kg]	V [m/min]	주문형식
160	6	SG2D-160H-S(D) S: SINGLE ACTING D: DOUBLE ACTING
130	9	
110	12	
100	15	
100	18	
55	24	
35	30	

적용범위

- *고하중과 대부품 이송에 적합
- *비례제어방식 조절로 반발력 최소화
- *WHIP 부착가능



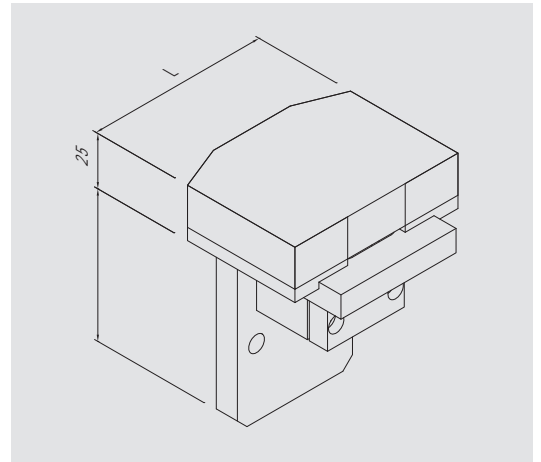
ROCKER-A



L	주문형식
110	RO-A

적용범위

*디버터가 장착된 측면 프레임에 부착하여 팔레트 도착감지용으로 사용



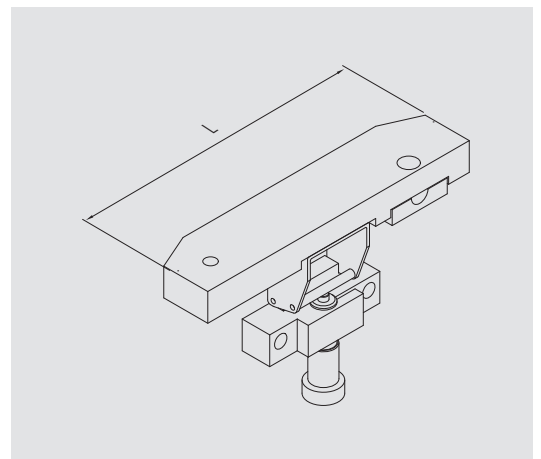
ROCKER-B



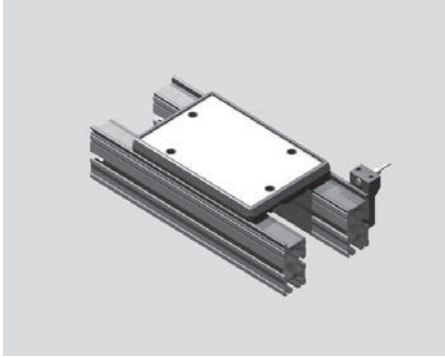
L	주문형식
110	RO-B-110
190	RO-B-190
270	RO-B-270

적용범위

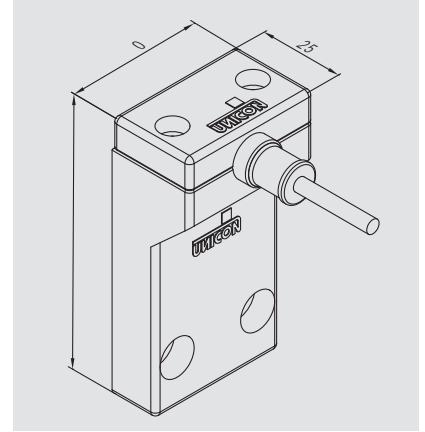
*디버터가 장착된 측면 프레임에 부착하여 팔레트 정지 및 도착 감지용으로 사용



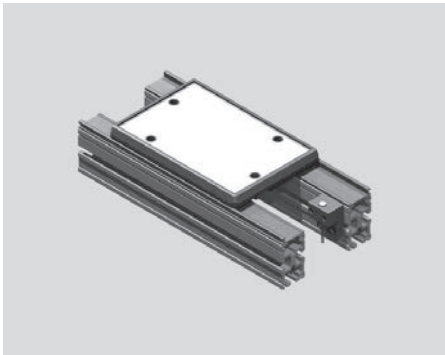
SB2/0



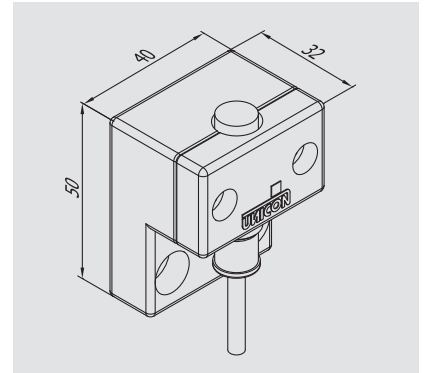
*Ø12용 근접센서를 사용하는
센서 브라켓(근접센서는 제외)
*PALLET의 위치를 측면에서 검출



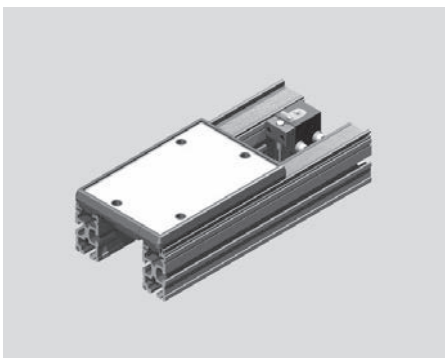
SB2/I



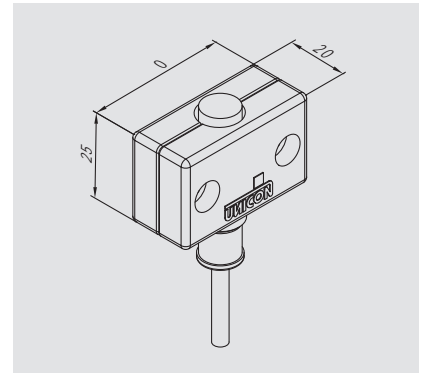
*Ø12용 근접센서를 사용하는
센서 브라켓(근접센서는 제외)
*PALLET의 위치를 하부에서 검출



SB2/S



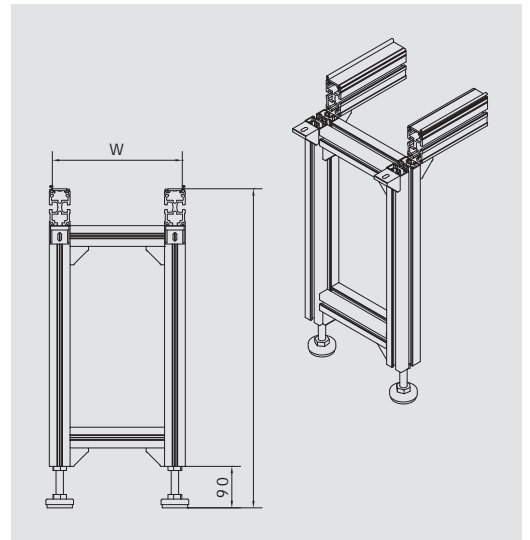
*Ø12용 근접센서를 사용하는
센서 브라켓(근접센서는 제외)
*NON DAMPPER STOPPER에 취부되어
PALLET 위치를 검출



LEG2-A (수평순환)

W	H	주문형식
160~1040	250~2000	LEG2-A-W□-H□

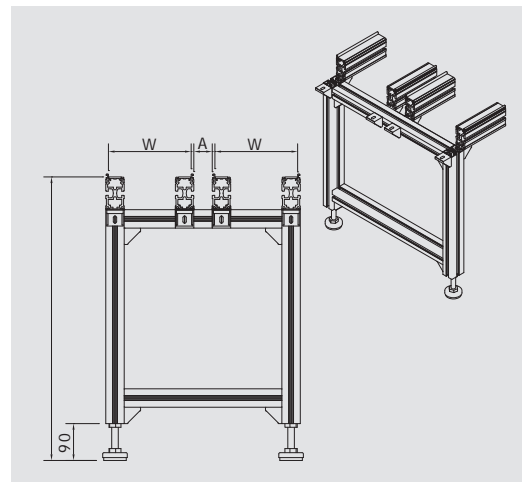
*4560 PROFILE 사용



LEG2- B (수평순환 2열)

W	A	H	주문형식
160~1040	45, 90, 135	250~2000	LEG2-B-W□-A□-H□

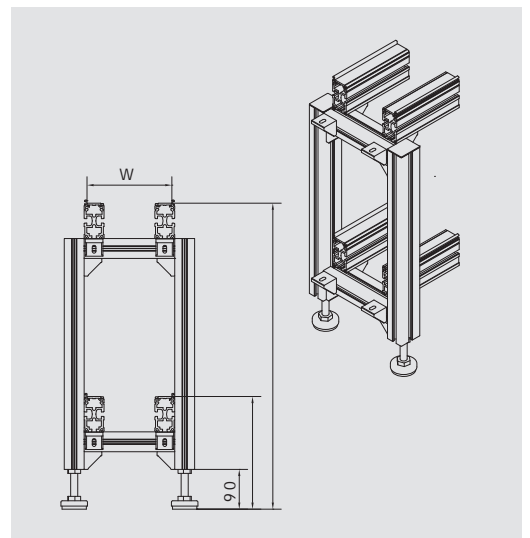
*4560 PROFILE 사용



LEG2-C (수직순환)

W	H	K	주문형식
160~1040	500~2000	250~2000	LEG2-C-W□-H□-K□

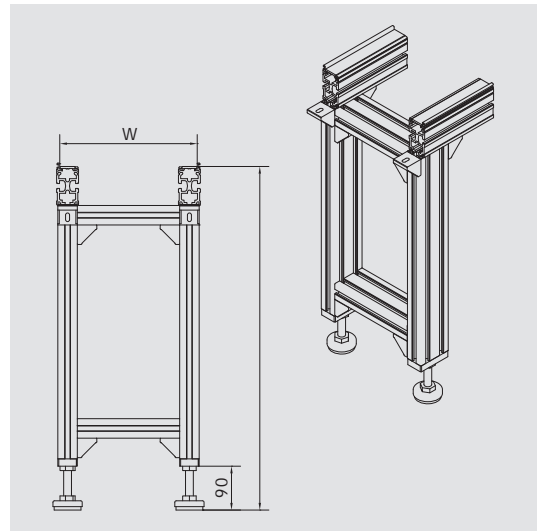
*4560 PROFILE 사용



LEG2-D (수평순환)

W	H	주문형식
160~1040	250~2000	LEG2-D-W□-H□

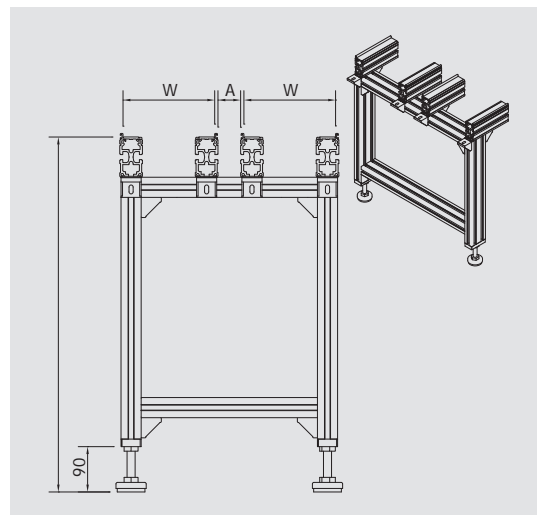
*4080 PROFILE 사용



LEG2-E (수평순환 2열)

W	A	H	주문형식
160~1040	45, 90, 135	250~2000	LEG2-E-W□-A□-H□

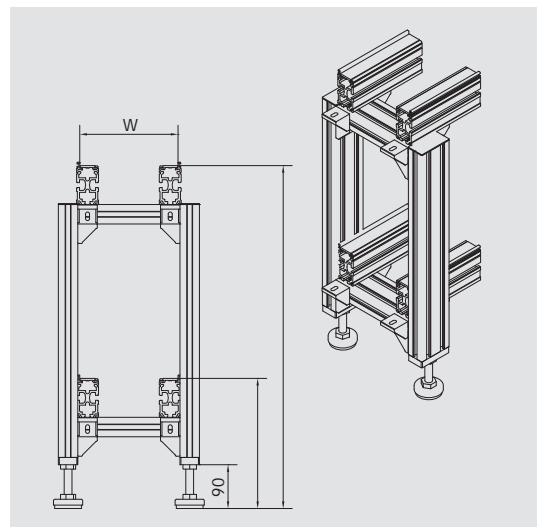
*4080 PROFILE 사용



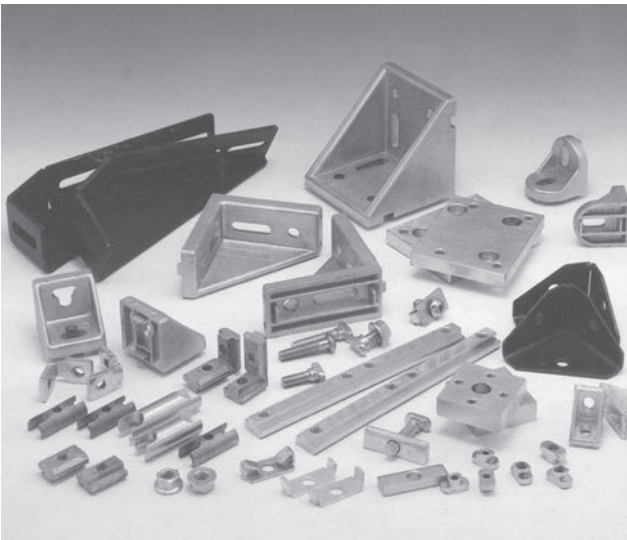
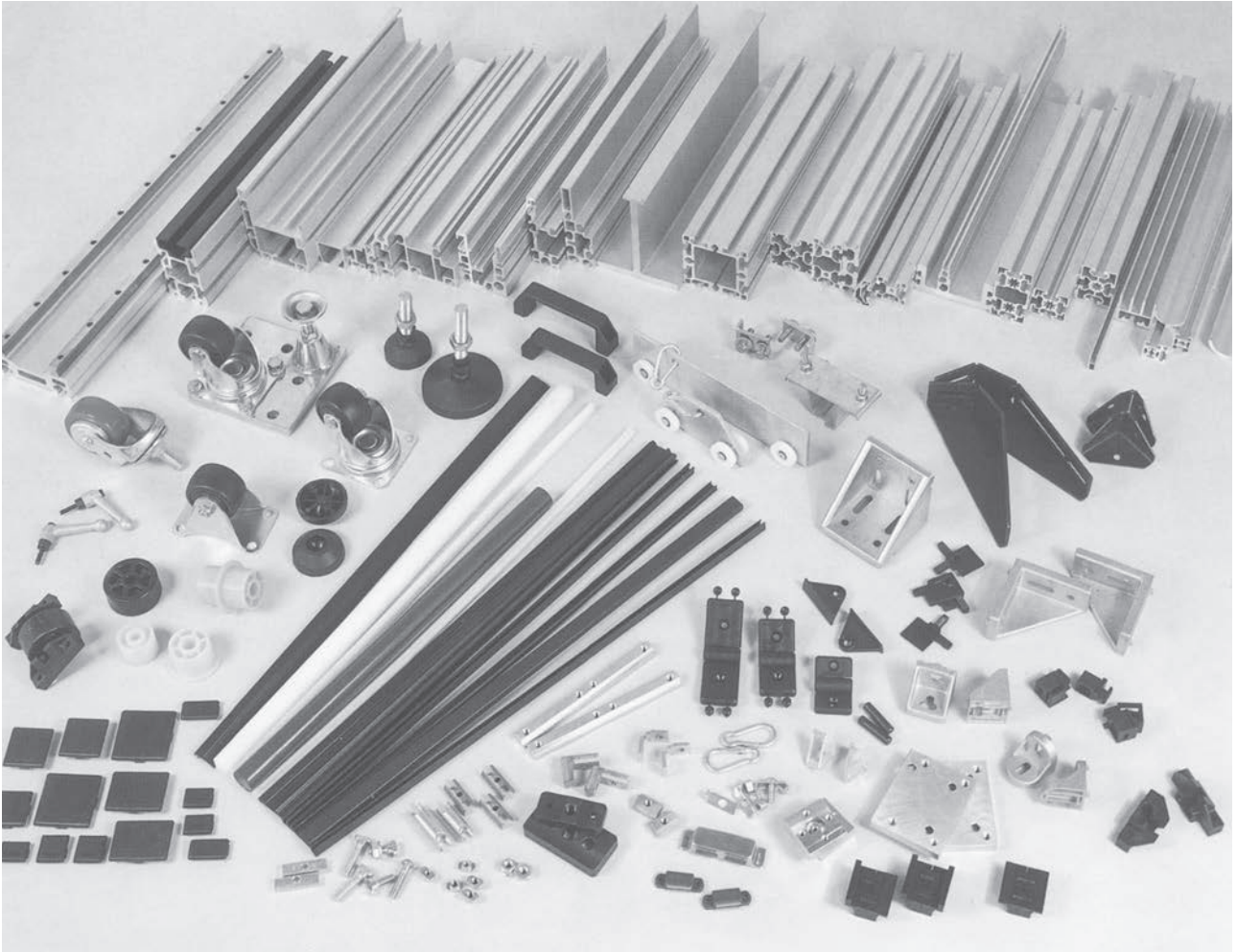
LEG2-F (수직순환)

W	H	K	주문형식
160~1040	500~2000	250~2000	LEG2-F-W□-H□-K□

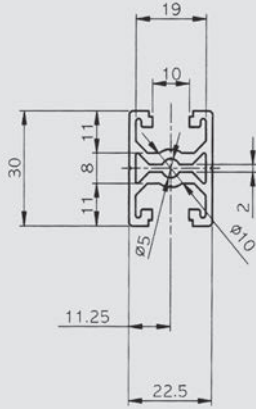
*4080 PROFILE 사용



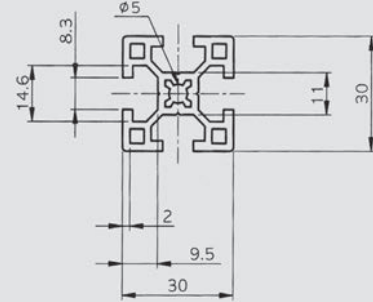
유니콘 프로파일 & 체결구



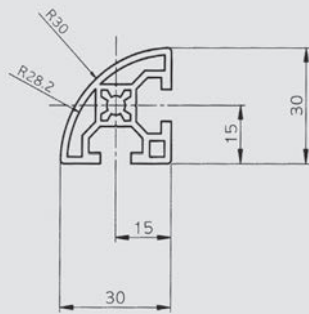
USP-22530



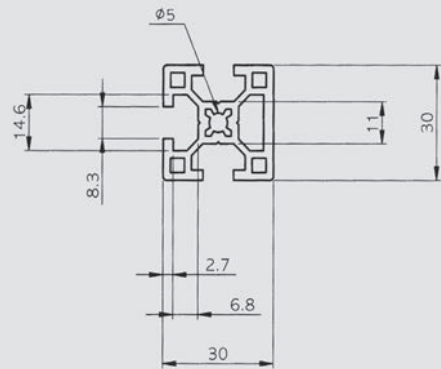
USP-3030



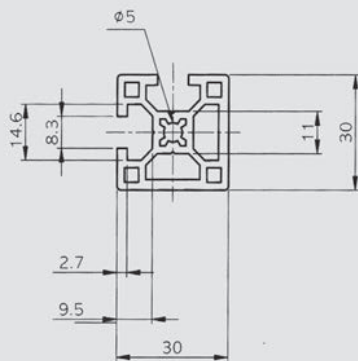
USR-3030



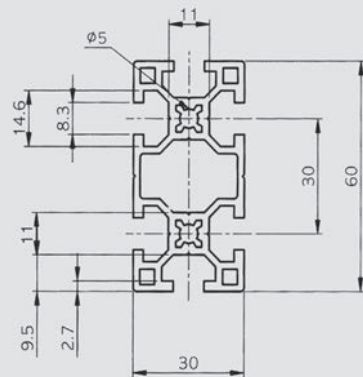
UST-3030



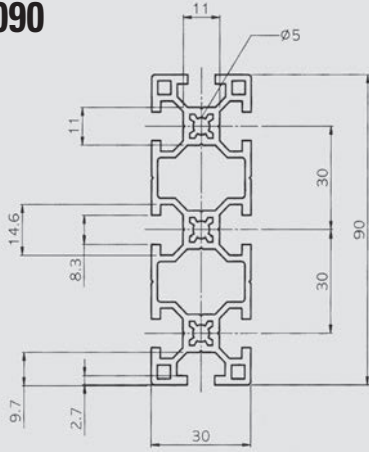
USU-3030



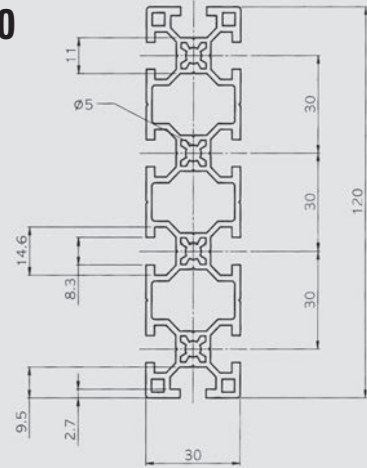
USP-3060



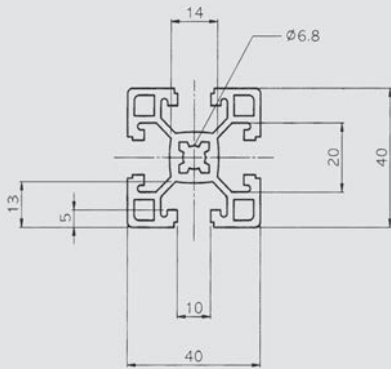
USP-3090



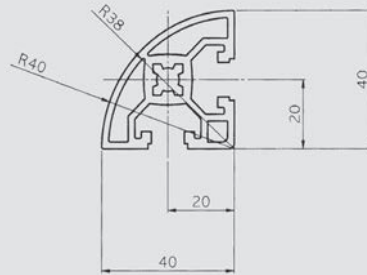
USP-30120



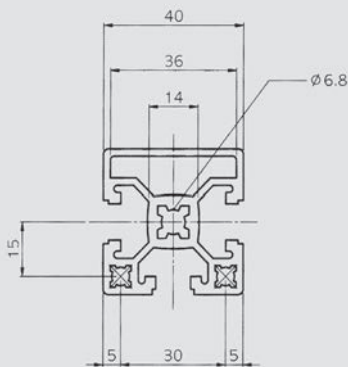
USP-4040



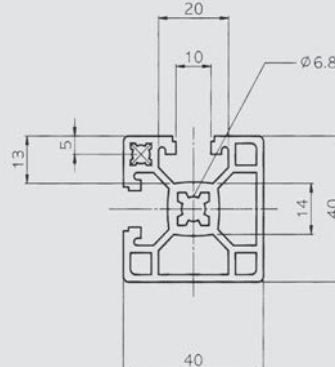
USR-4040



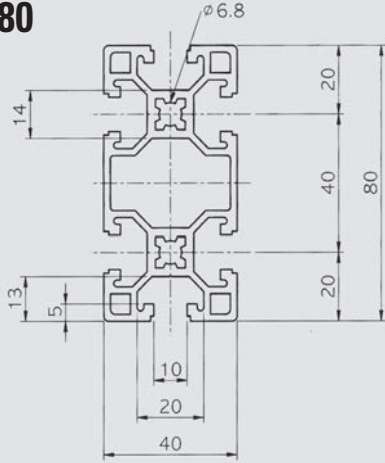
UST-4040



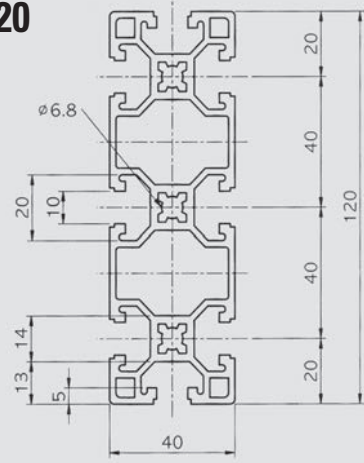
USU-4040



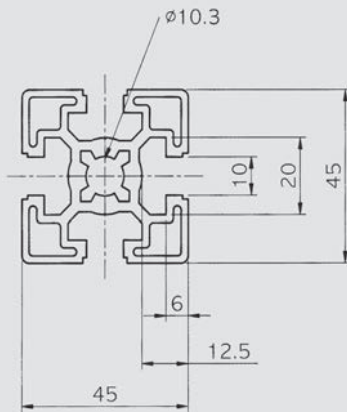
USP-4080



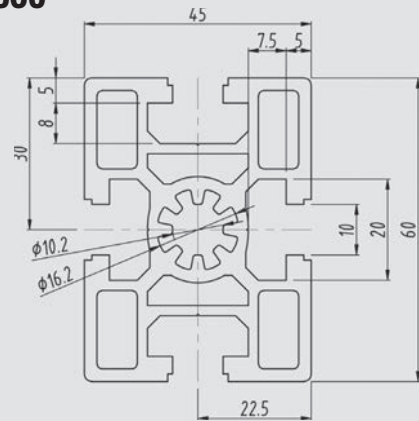
USP-40120



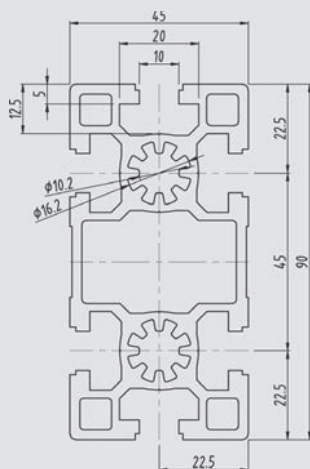
USP-4545



USP-4560

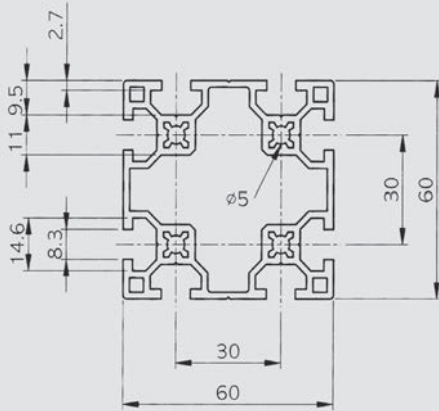


USP-4590

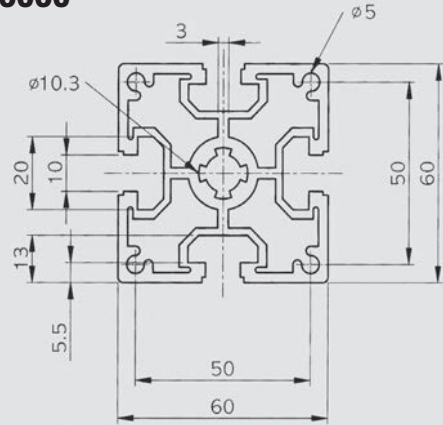


체결구

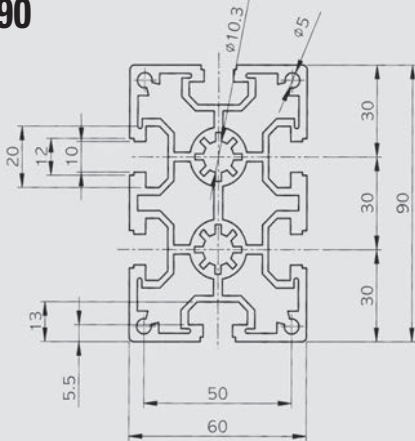
USP-6060



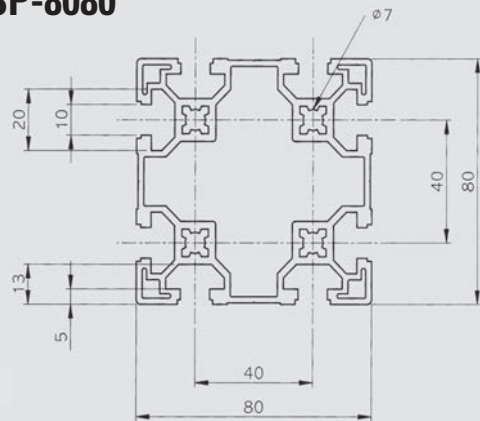
UWP-6060



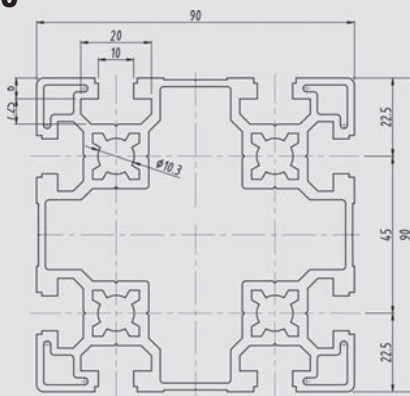
USP-6090



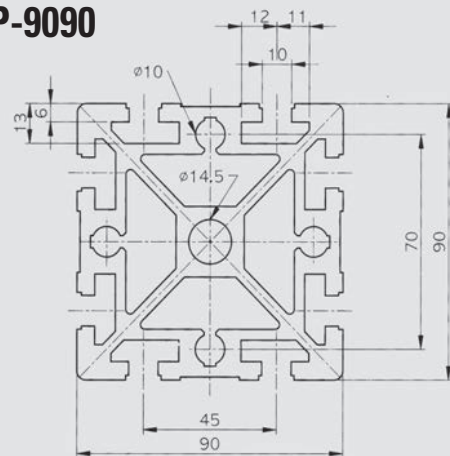
USP-8080



USP-9090



UWP-9090



Bracket

형번 : UBR 5760

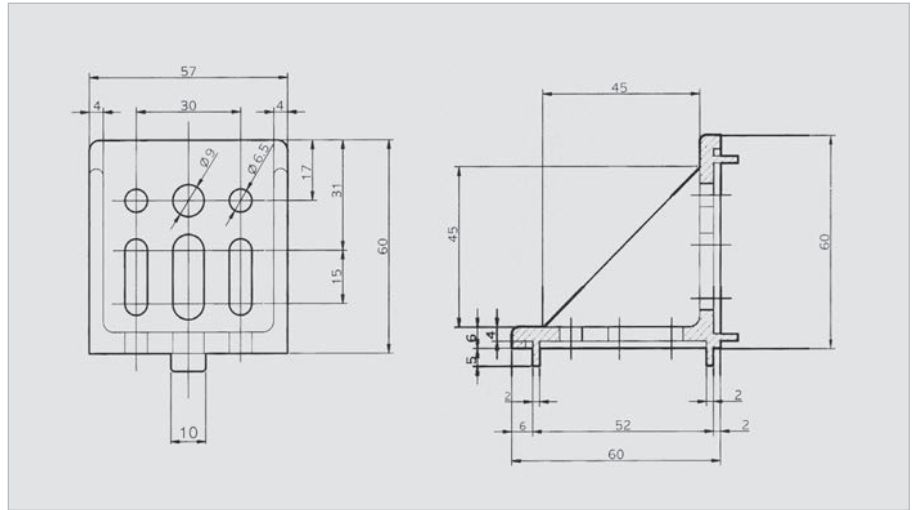
재질 : AL 다이캐스팅

용도 : 직각으로 연결되는 AL
Profile 조립시 T볼트,
T너트등과 함께 사용된다

Model number : UBR 5760

Quality : AL die casting

Usage : When assembling
rectangular coupled AL
Profile, it is used with T-bolt
and T-nut



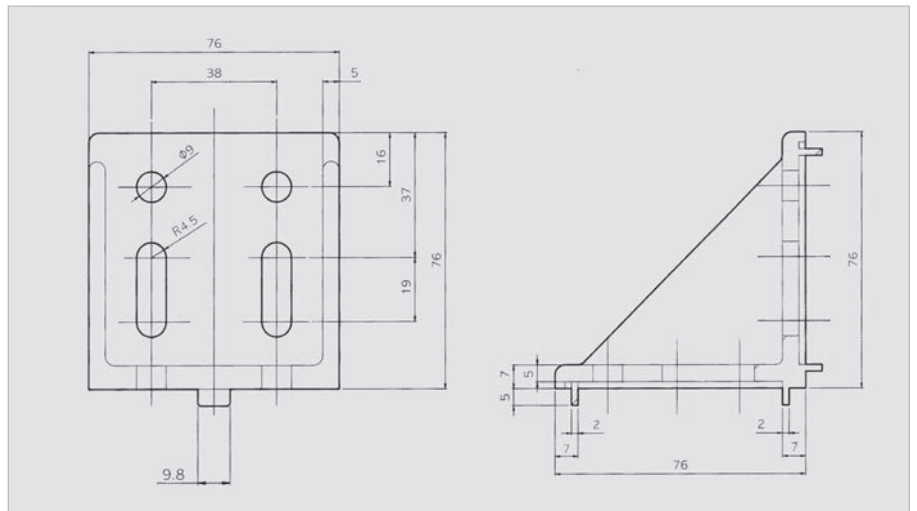
Bracket

형번 : UBR 7676

재질 : AL 다이캐스팅

Model number : UBR 7676

Quality : AL die casting



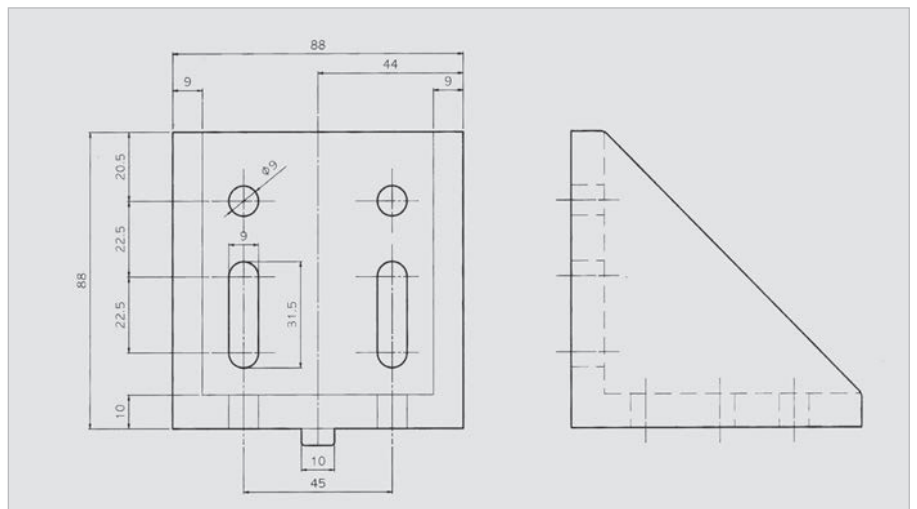
Bracket

형번 : UBR 8888

재질 : AL 다이캐스팅

Model number : UBR 8888

Quality : AL die casting



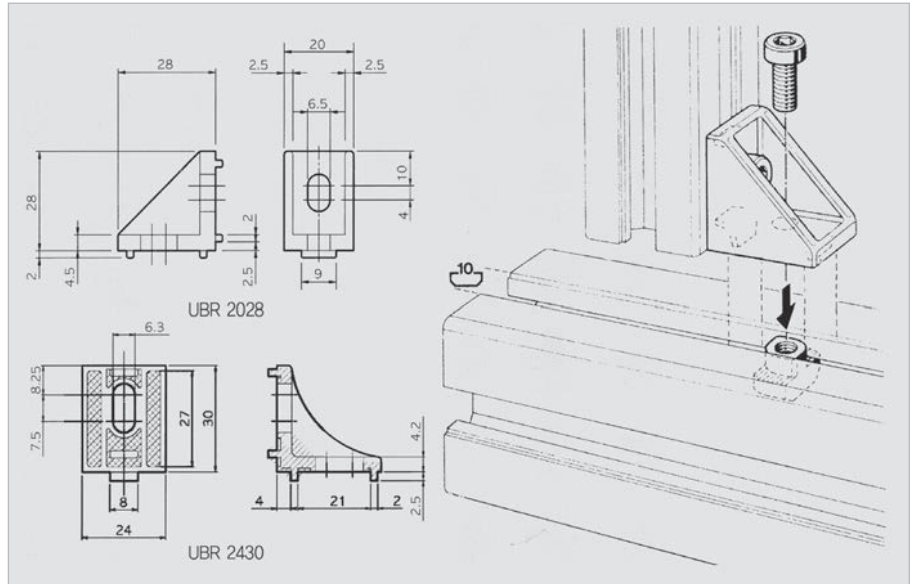
Bracket

형번 : UBR 2028(40X40)
 UBR 2430(30X30)

재질 : AL 다이캐스팅
 용도 : 직각으로 연결되는 AL
 Profile 조립시 T볼트,
 T너트등과 함께 사용된다.

Model number : UBR 2028(40X40)
 UBR 2430(30X30)

Quality : AL die casting
 Usage : When assembling
 rectangular coupled AL
 Profile, it is used with T-bolt
 and T-nut

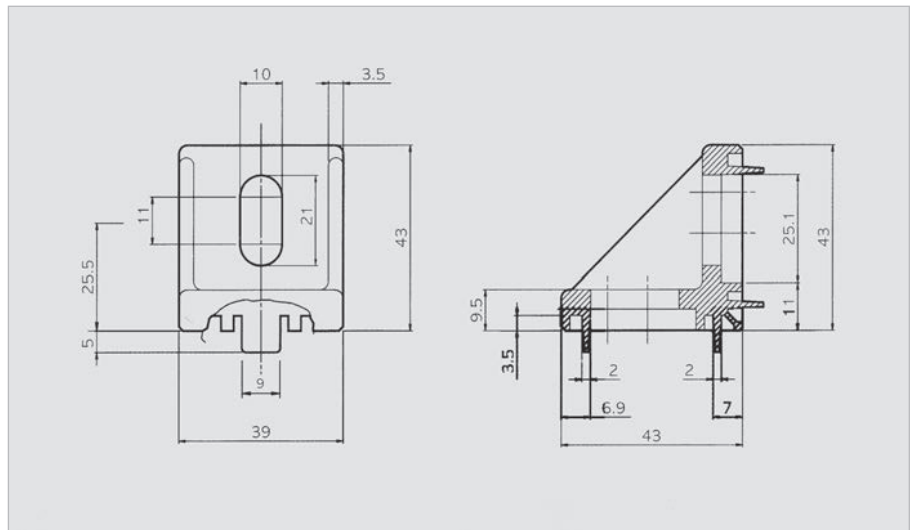


Bracket

형번 : UBR 3943
 재질 : AL 다이캐스팅

Model number : UBR 3943

Quality : AL die casting

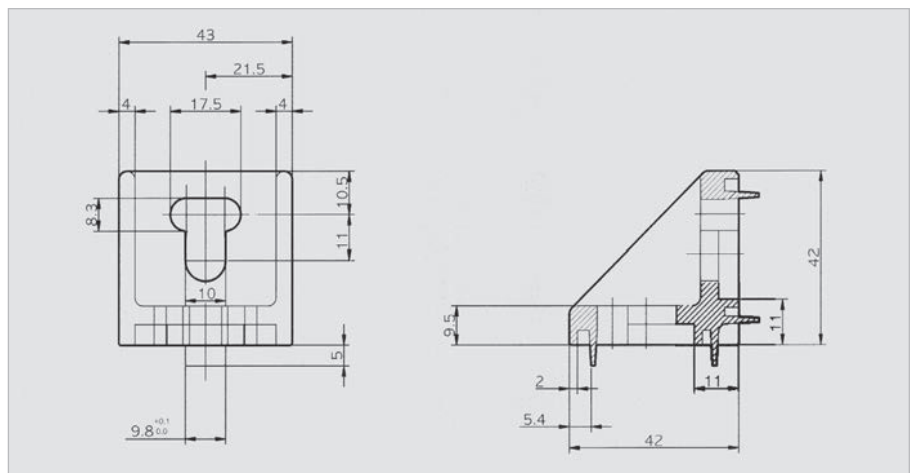


Bracket

형번 : UBR 4243
 재질 : AL 다이캐스팅

Model number : UBR 4243

Quality : AL die casting



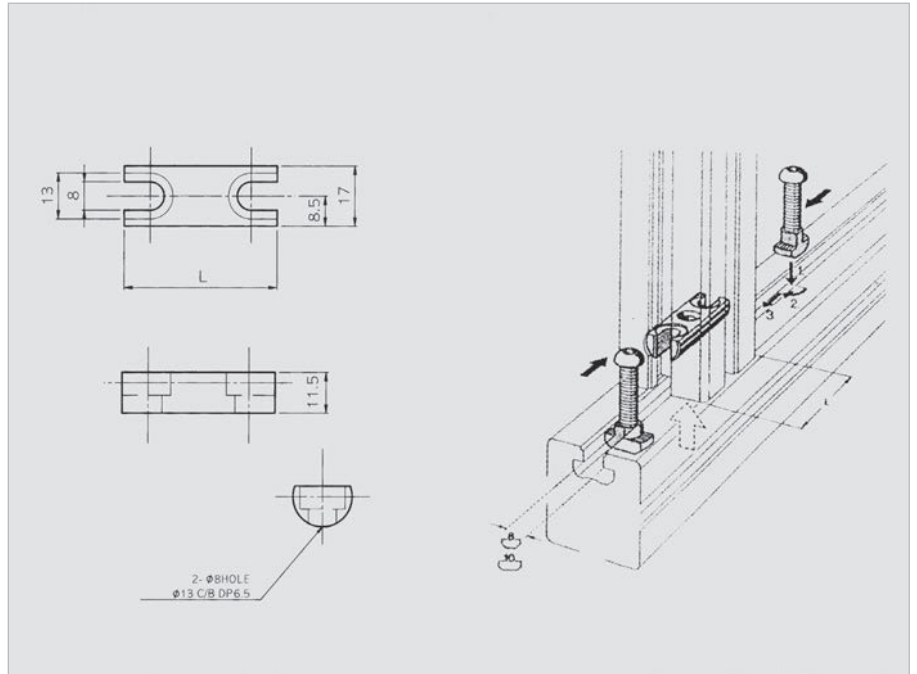
Bolt Connector

형번 : UBC 40
 UBC 45
 UBC 60
 UBC 90

재질 : SS41

용도 : 중하중 체결, 프로파일 연결에 사용

치 수	
MODEL NO	L
UBC	40
UBC	45
UBC	60
UBC	90



Case Connector

형번 : UCC 25

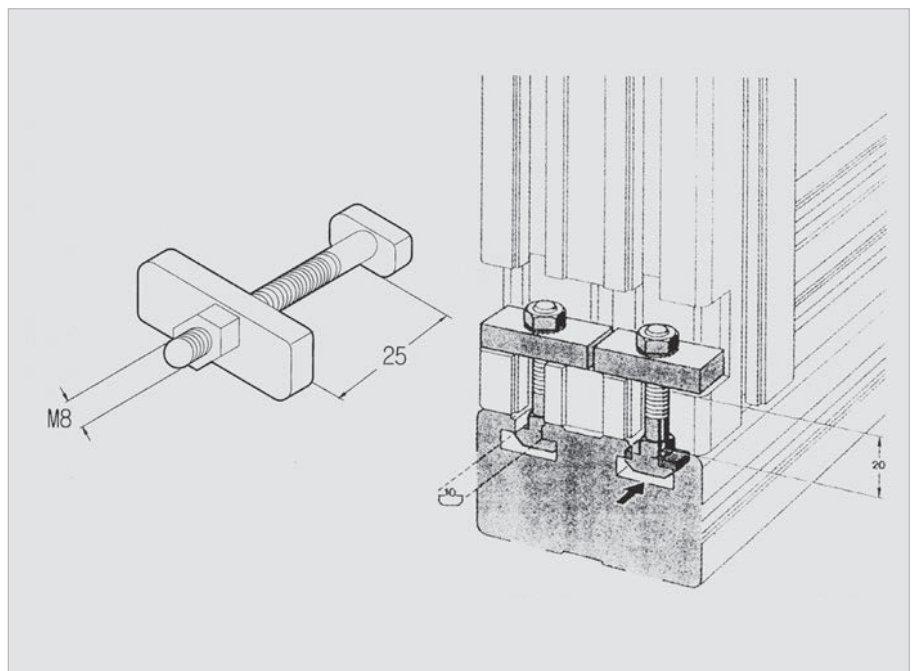
재질 : SM 45C

용도 : Bracket를 취부하기에
 곤란한 부위에 사용이 가능함

Model number : UCC 25

Quality : SM 45C

Usage : it is available at the place
 where bracket is hardly
 tightened.



Joint Washer

형번 : UWB M6

UWB M8

재질 : WASHER : (SS41)

BOLT : (SM45C)

구분	A	B	C	D	E
M6	10	28	8	φ7	M6
M8	12	38	11	φ9	M8

사각Nut

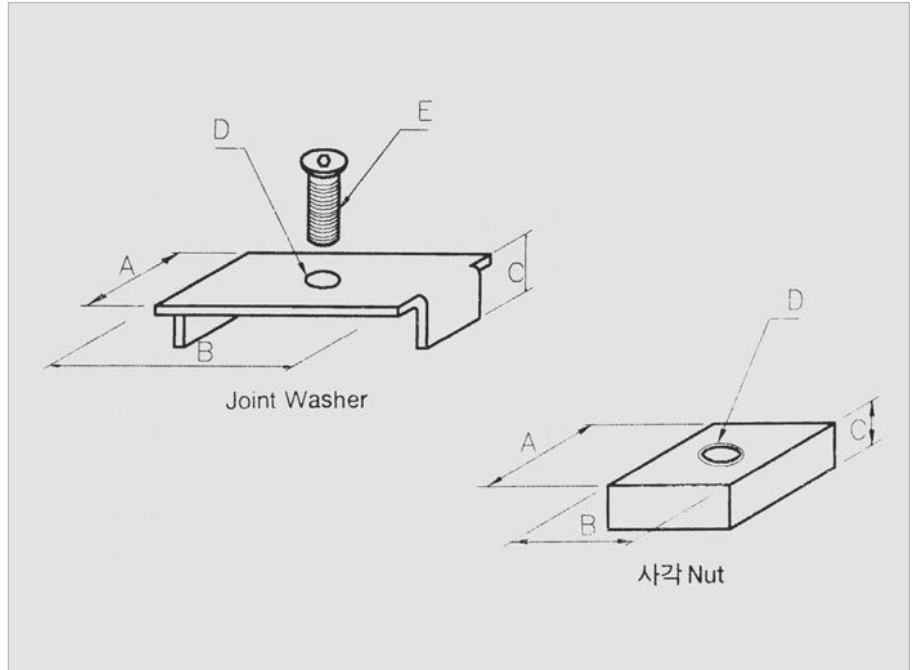
형번 : SN M5

SN M6

SN M8

재질 : SM 45C

구분	A	B	C	D
M5	10	10	5	M5
M6	10	10	5	M6
M8	14	14	5	M8



Joint Bolt

재질 : SM 45C

형번 : UJB M6×20

UJB M8×25

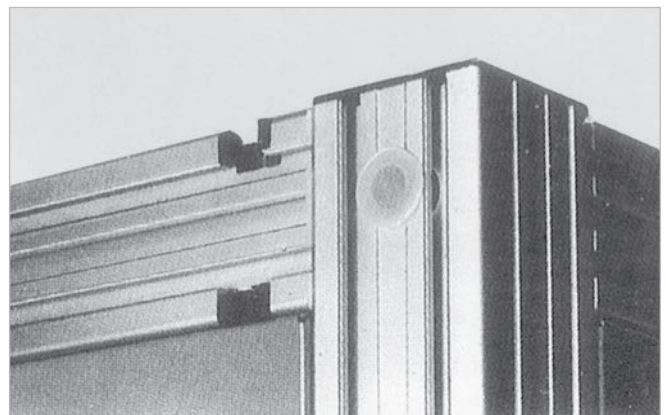
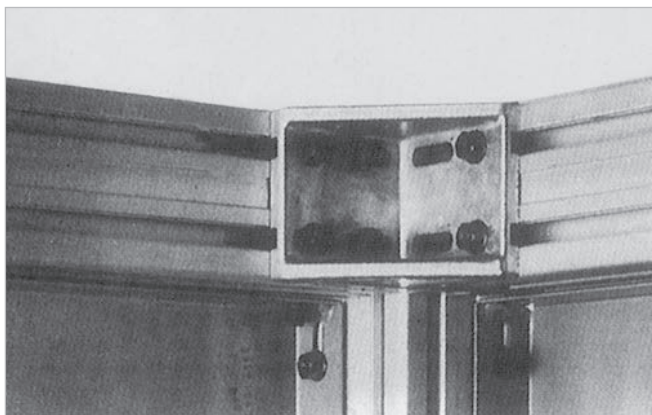
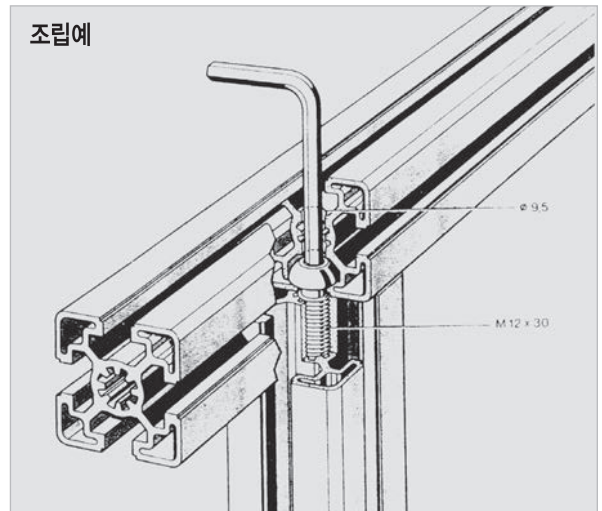
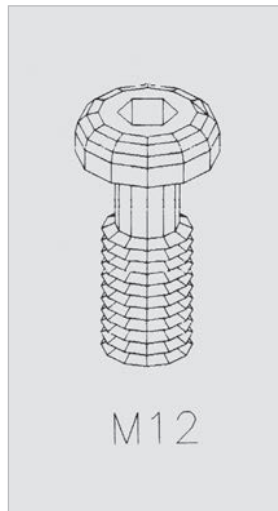
UJB M12×30

Quality : SM 45C

Model number : UJB M6×20

UJB M8×25

UJB M12×30

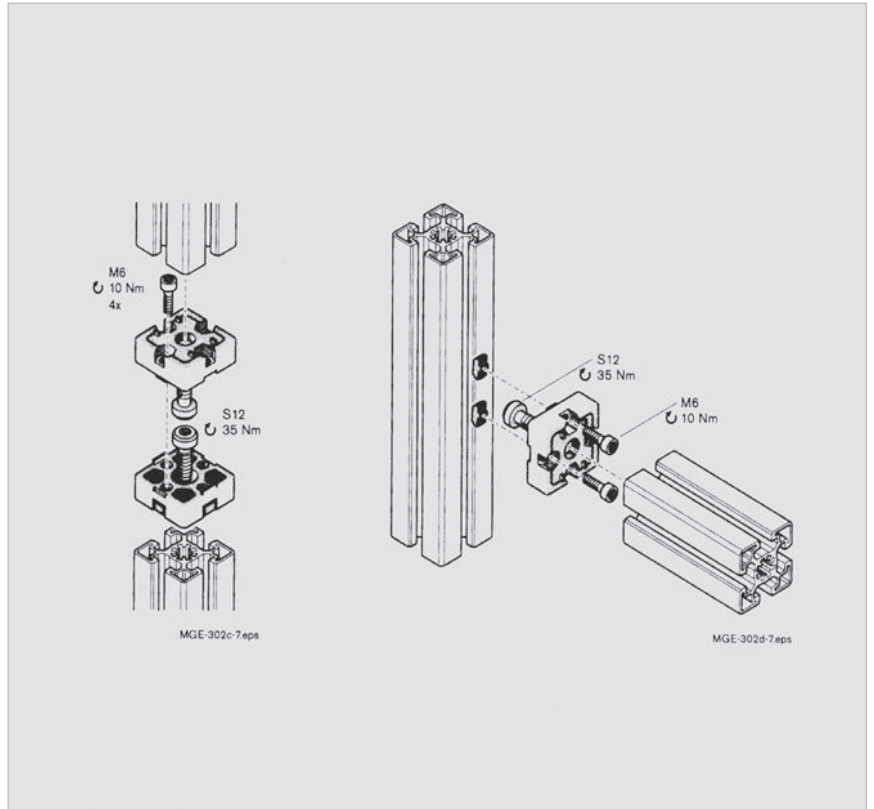
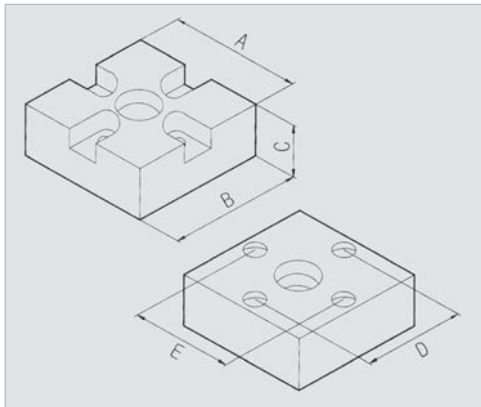


End Connector

형번 : UEC 3030
 UEC 4040
 UEC 4545

재질 : SS41

구분	A	B	C	D	E
UEC 30×30	30	30	11	21	21
UEC 40×40	40	40	15	34	34
UEC 45×45	45	45	15	43	49



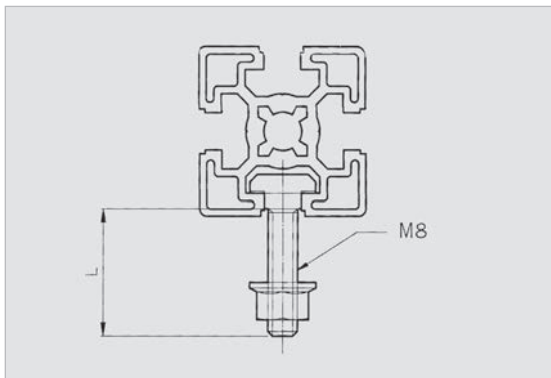
T-Bolt / Nut

형번 : UTB M8 22
 UTB M8 34

재질 : SM 20C

용도 : 브라켓 연결시 측면에서 T홈에 삽입하여 90° 회전시키면 고정된다.

치수	L
UTB M8 22	22
UTB M8 34	34

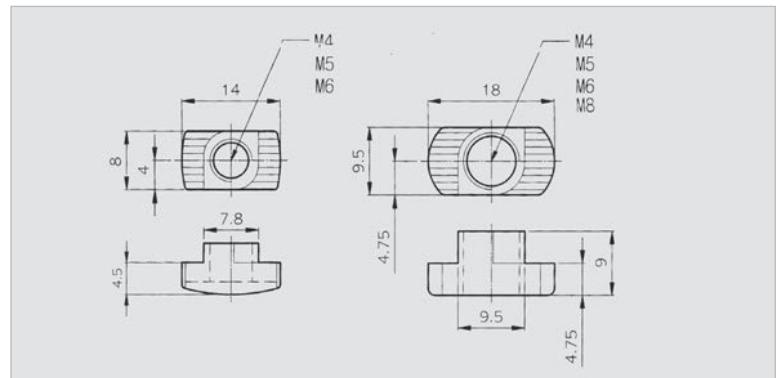


T-Nut

재질 : SM 20C

용도 : T홈에 삽입하여 90° 회전시키면 고정된다.

T-Nut			
형번	T08 M4	형번	T10 M4
	T08 M5		T10 M5
30용	T08 M6	40용	T10 M6
			T10 M8



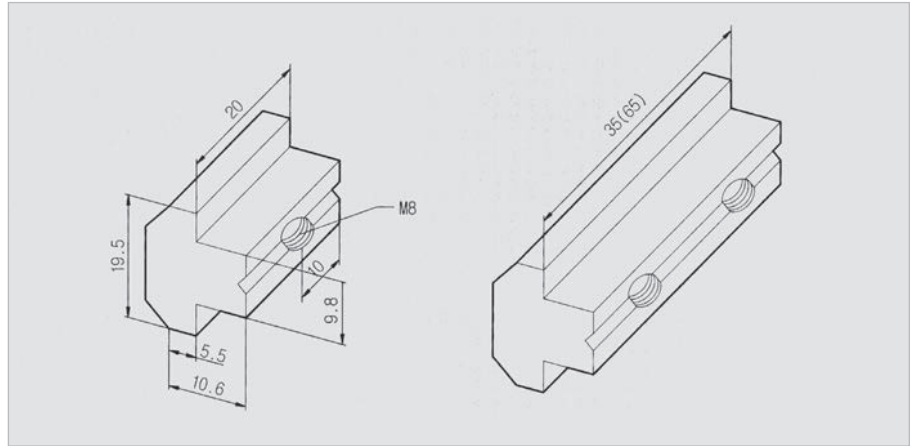
Slot Block

형번 : USB M8 20
 USB M8 35
 USB M8 65

재질 : SS41
 용도 : 고하중용

Model number : USB M8 20
 USB M8 35
 USB M8 65

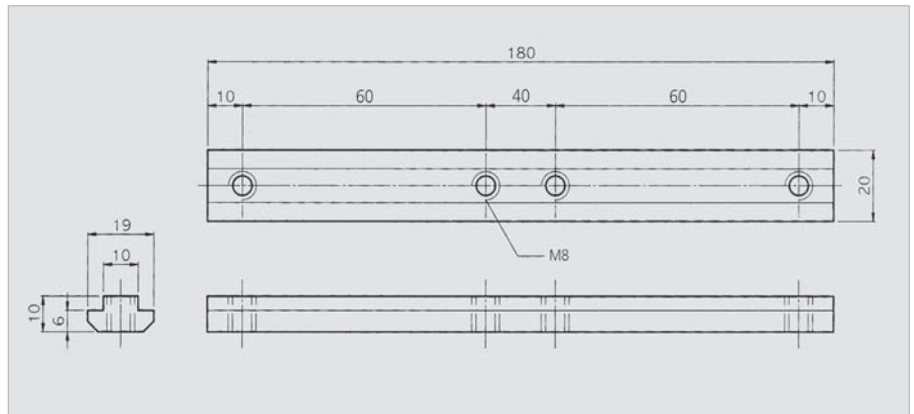
Quality : SS41
 Usage : Used for heavy load



Connector Link

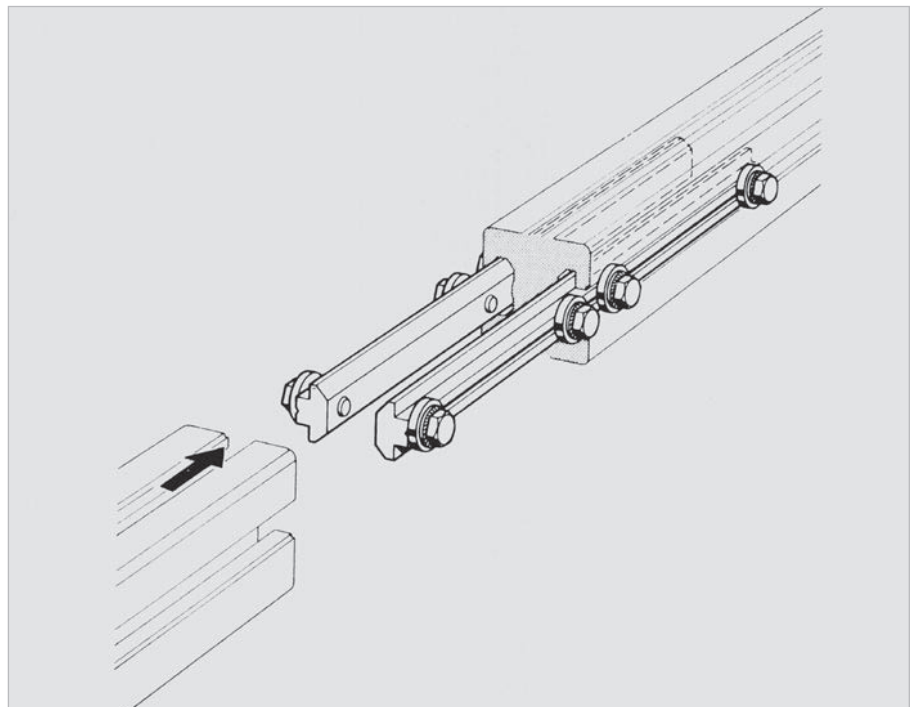
형번 : UCL 180
 재질 : ss 41
 용도 : 프로파일 연결

Model number : UCL 180
 Quality : SS41
 Usage : Profile connection



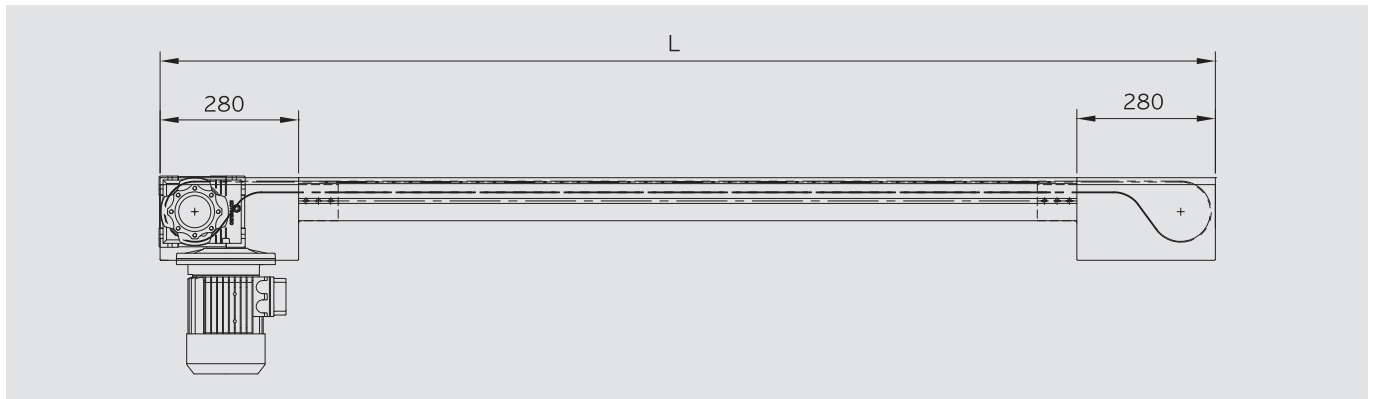
연결예

(Example of connection)



유니콘 CONVEYOR BELT 길이 산출

UFT2 BELT 길이 구하기



L(컨베어 전체 길이)

BELT LENTH

L < 4000mm 일때

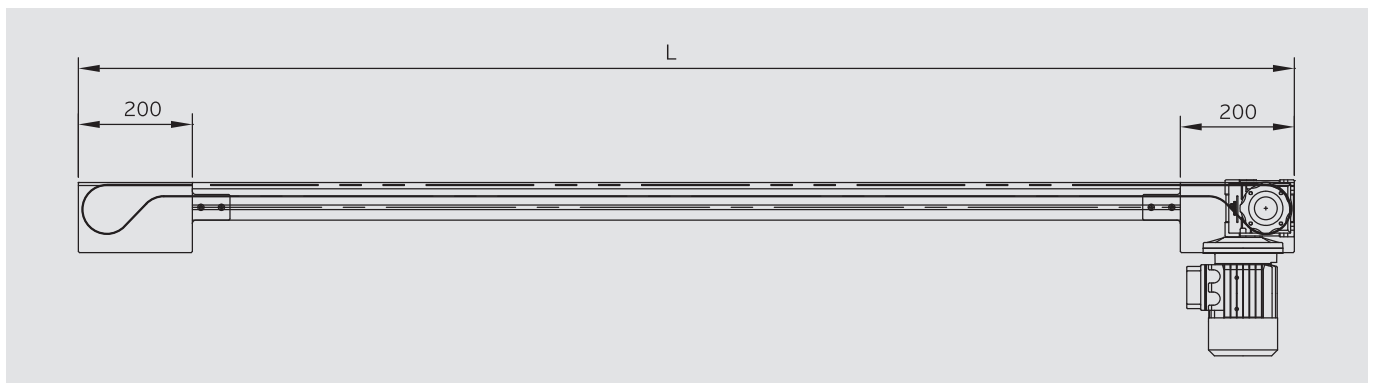
$$[(2*(L-560)+1320)*0.98]+60\text{mm}$$

L ≥ 4001mm 일때

$$[(2*(L-560)+1320)*0.975]+60\text{mm}$$

예를 들어 CONVEYOR 전체 길이가 10000일때 BELT 길이는 공식에 의해 $[(2*(10000-560)+1320)*0.975]+60$ 이므로 계산결과 BELT 길이는 19755mm이다. TWIN BELT CONVEYOR이므로 최종적으로 19755mm BELT 2줄이 필요하다는 것을 확인 할 수 있다.

UFT1 BELT 길이 구하기



L(PROFILE LENTH)

BELT LENTH

L < 2000mm 일때

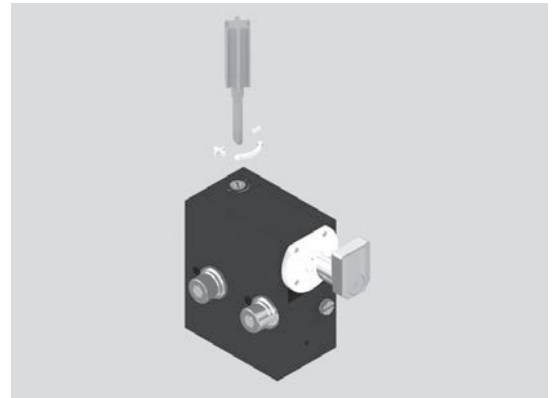
$$[(2*(L-400)+918)*0.99]+60\text{mm}$$

L ≥ 2001mm 일때

$$[(2*(L-400)+918)*0.985]+60\text{mm}$$

예를 들어 CONVEYOR 전체 길이가 1500일때 BELT 길이는 공식에 의해 $[(2*(1500-400)+918)*0.99]+60$ 이므로 계산결과 BELT 길이는 3146.8mm이다. TWIN BELT CONVEYOR이므로 최종적으로 3146.8mm BELT 2줄이 필요하다는 것을 확인 할 수 있다.

DAMPER STOPPER 충격흡수 조절



사용방법

장치의 충격 흡수는 아래와 같이 조절할 수 있습니다.

- + = 충격 흡수 증가 (무게가 무겁거나 이송 속도가 빠를 때)
- = 충격 흡수 감소 (무게가 가볍거나 이송 속도가 느릴 때)

스토퍼 상부에 위치한 “일자 조절 홈”에 “일자 드라이버”를 사용하여 “+” 방향으로 돌려 충격 흡수량을 증가시킨 뒤 원하는 충격 흡수가 될 때까지 “-” 방향으로 미세하게 조절하면서 세팅 합니다.

사용상 주의 사항

1. 스토퍼를 컨베이어에 고정시 육각홈 볼트의 조임 토크는 25Nm 정도로 맞추어 주시기 바랍니다.
2. 충격 흡수 조절시 무리한 힘을 가하면 “일자 조절 홈”이 파손 될 수 있으니 주의 바랍니다.
3. 사용압력 4~6bar 의 청정 공압을 사용해 주세요.



우)15112 경기도 시흥시 마유로 92번길 51
(시화공단 3마 208호)
TEL : 031-431-5165, 5166 FAX : 031-431-5185

(3Ma 208Ho Shihwa Industrial Complex Jeongwang-dong)
51, Mayu-ro 92beon-gil, Siheung-City, Gyeonggi-Do, Korea
TEL : 82-31-431-5165, 5166 FAX : 82-31-431-5185

E-MAIL : uniconpro@empas.com
URL : <http://www.uniconpro.com>