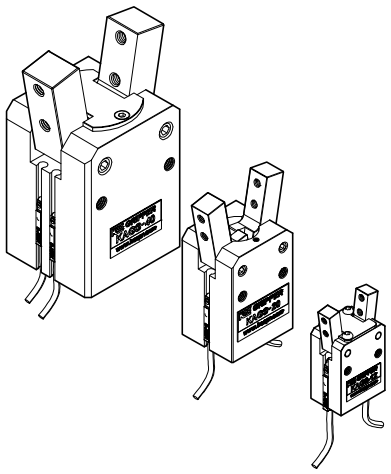
KAGS



특 징

- 협각 (峽角) 각도 개폐형 그리퍼
- 전제품 오토 스위치 부착 가능
- Body의 경질 아노다이징 처리로 표면경도 및 내구성 향상
- 상부 Dust Cover 부착 가능(KAGS-□□K)
- ANG외 부품 공용화로 경제성을 향상시킨 제품

형식 기호

KAGS – 20 K + A93 x 2

① ② ③ ④ ⑤

① 시리즈

KAGS	Kcc Angular Gripper-S series

② 실린더 직경

제품명	KAGS-12	KAGS-16	KAGS-20
실린더 직경	Φ12	Φ16	Φ20

제품명	KAGS-25	KAGS-30	KAGS-40
실린더 직경	Φ25	Φ30	Φ40

③ 제품 종류

무기호	기본형
K	상부 Dust Cover 부착

④ 오토스위치(마그네틱 센서) 종류

유접점		무접점		참고사항
주문기호	제품명	주문기호	제품명	
A93(V)	D-A93(V)K	F9□(V)	D-F9□(V)K	□=N,P,B
A93N	D-A93KN	F9□(V)S	D-F9□(V)K-S	
A93(V)S	D-A93(V)K-S	F8□ V	D-F8□ VK	

※ 센서는 지속적으로 신제품이 개발되고 있으므로 홈페이지 최신 자료를 확인 바라며 일반 규격은 센서사양 페이지(ETC-01page)를 참조 바랍니다.

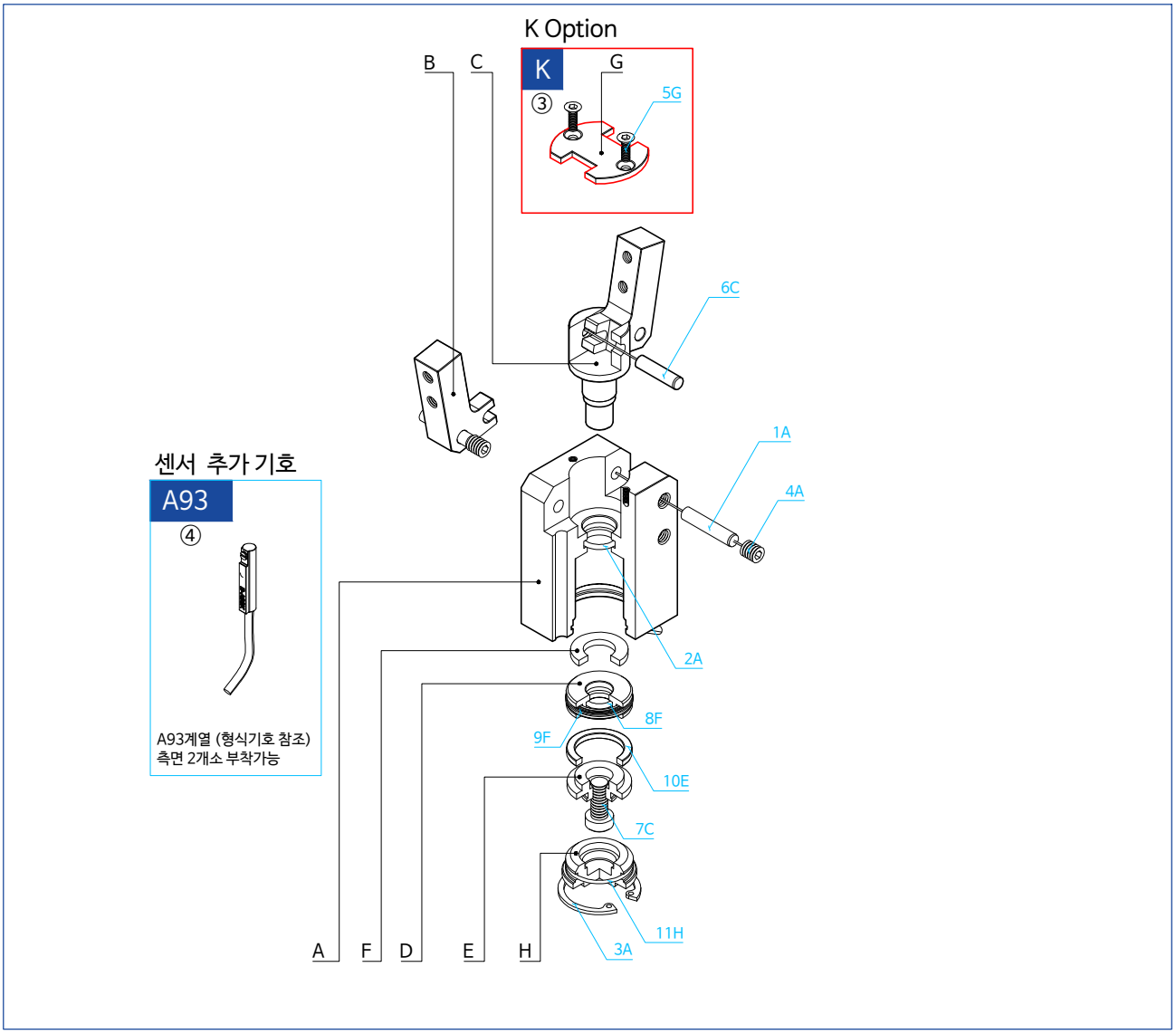
⑤ 오토스위치(마그네틱 센서) 수량

제품 사양

항 목 \ 제 품		KAGS-12	KAGS-16	KAGS-20	KAGS-25	KAGS-30	KAGS-40	단 위	참 고 사 항
사용 유체		청정 공기							
주위 허용온도		0 ~ 60						℃	
급유		불필요 (급유시 터빈유 1종 [ISO VG32] 상당)							
사용 압력범위		0.2~0.7 / 2~7		0.1~0.7 / 1 ~ 7				[MPa] / [kgf / ㎠]	
개폐 범위		-5°~15°		-5°~20°			-5°~25°		JAW 2개 합산각도
제품 중량		0.06	0.10	0.2	0.26	0.40	0.73	kg	
관 접속구경		M5				Rc(PT) 1/8			
공기 소비량		0.3	0.6	1.3	2.4	3.6	7.7	cc	1 Cycle 당
최대 작용점 거리		36	48	60	75	90	120	mm	
연속 사용 횟수		30			20			회 / 분	
파지력	Open	45.22xP / 1+0.056xL	69.91xP / 1+0.043xL	100.49xP / 1+0.033xL	171.74xP / 1+0.031xL	266xP / 1+0.029xL	465.69xP / 1+0.024xL	N	P (압력) = [MPa] L (작용점) = [mm]
	Close	33.92xP / 1+0.056xL	52.43xP / 1+0.043xL	75.37xP / 1+0.033xL	132.17xP / 1+0.031xL	190.34xP / 1+0.029xL	391.18xP / 1+0.024xL		

KAGS

제품 구조도



부품 사양

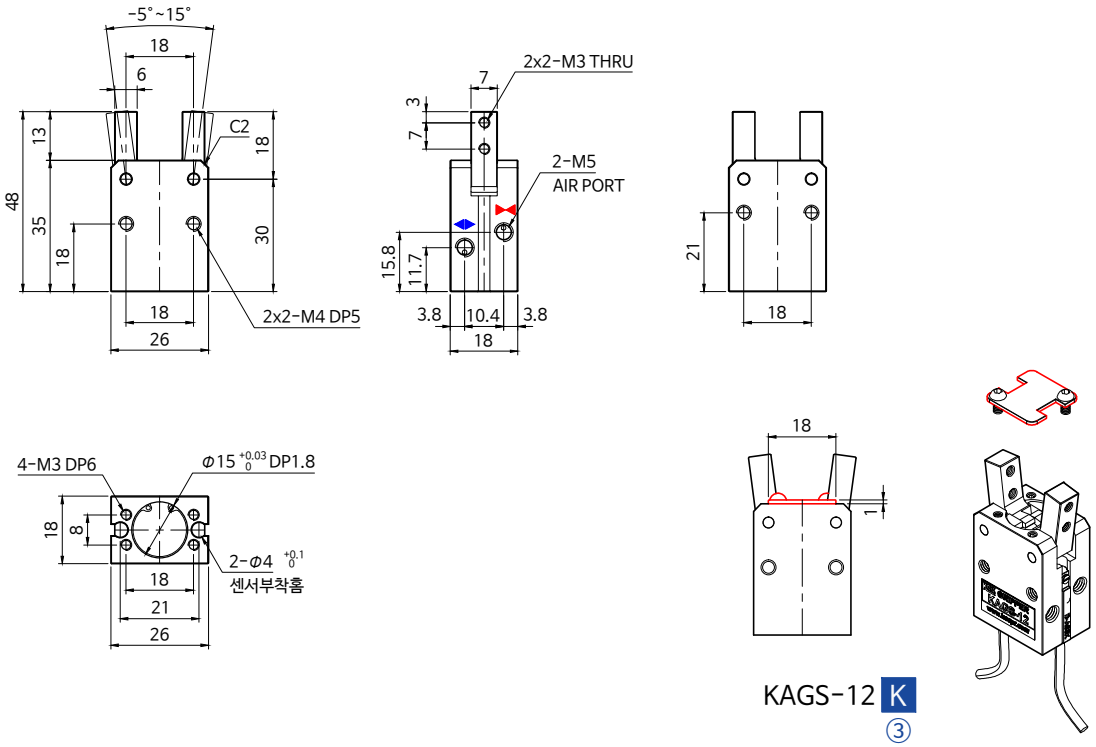
	부 품 명	재 질	비 고
A	GRIPPER BODY	알루미늄 합금	경질 아노다이징
B	JAW	합금강	
C	PLUNGER	합금강	
D	PISTON	알루미늄 합금	
E	MAGNET COVER	알루미늄 합금	
F	DAMPER	우레탄 러버	
G	DUST COVER	알루미늄 합금	
H	END COVER	알루미늄 합금	K 옵션
I			
J			
K			

	부 품 명	비 고
1A	DOWEL PIN	
2A	ROD PACKING	
3A	SNAP RING	
4A	무두 볼트	
5G	접시머리 볼트	K 옵션
6C	DOWEL PIN	
7C	PISTON 체결볼트	
8F	O-RING	
9F	PISTON PACKING	
10E	네오듐 자석	
11H	O-RING	

KAGS-12,16

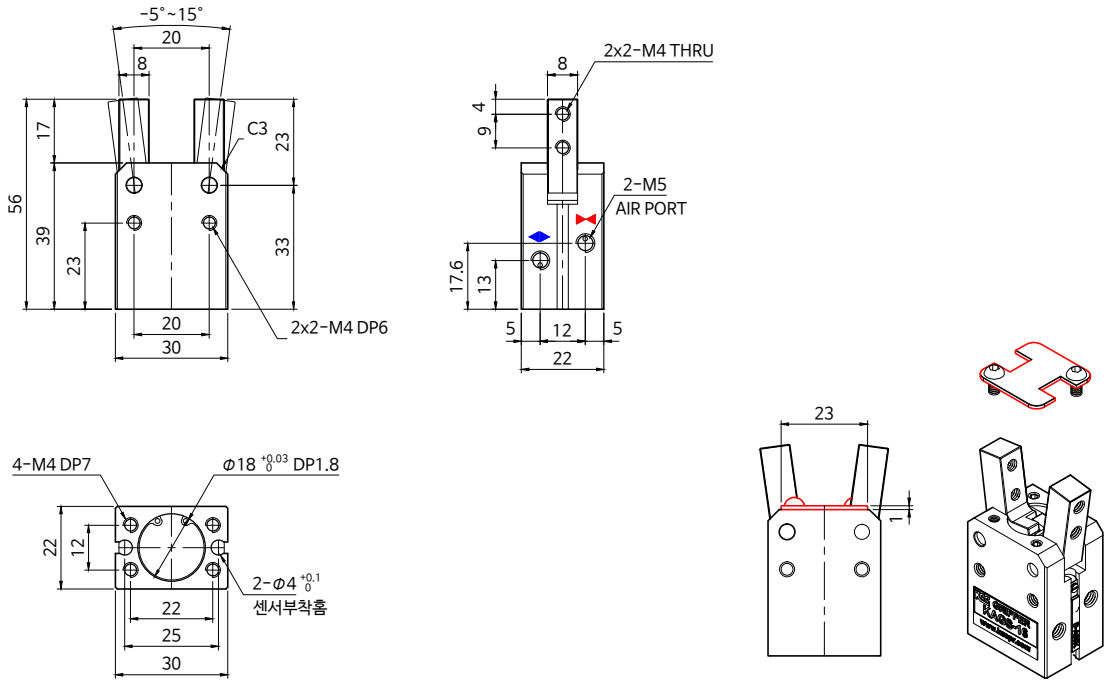
외형 치수도 기본형 (Standard basic model)

◈ KAGS-12



KAGS-12 K
③

◈ KAGS-16

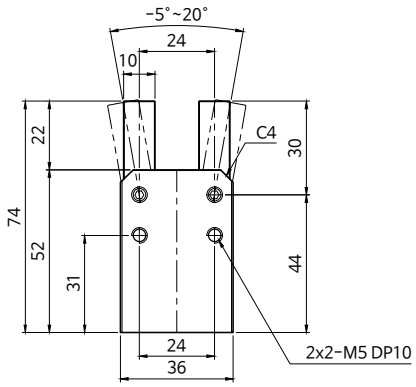


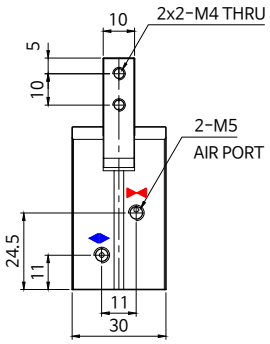
KAGS-16 K
③

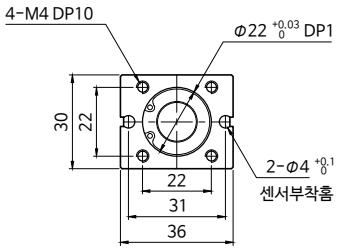
KAGS-20,25

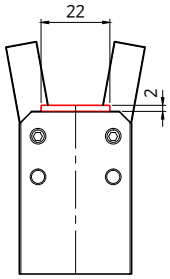
외형 치수도 기본형 (Standard basic model)

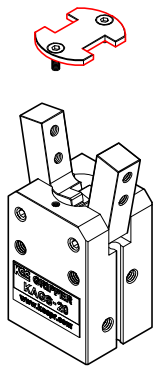
◈ KAGS-20





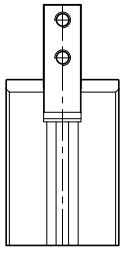


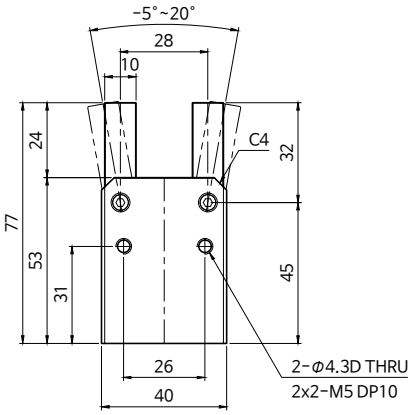


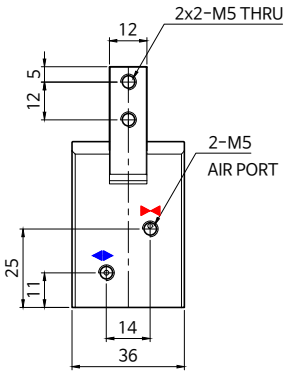


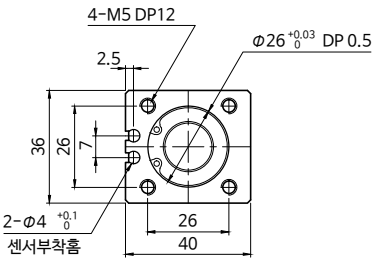
KAGS-20 K
③

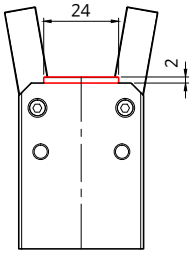
◈ KAGS-25

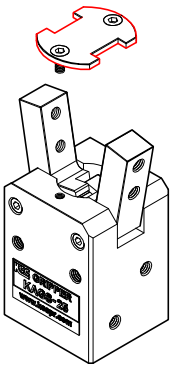










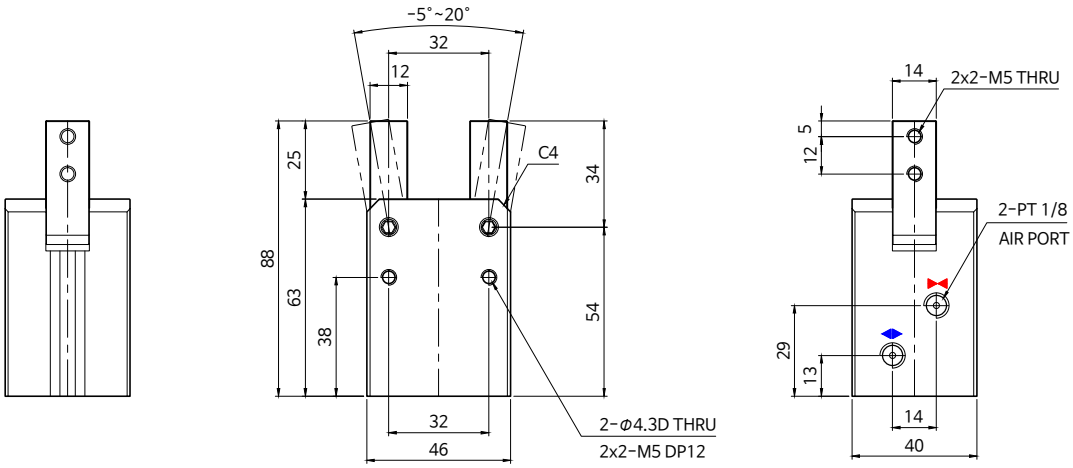


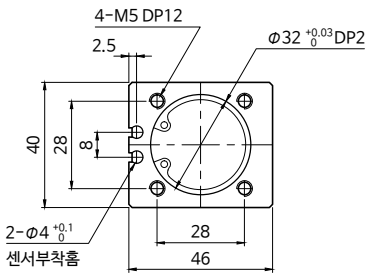
KAGS-25 K
③

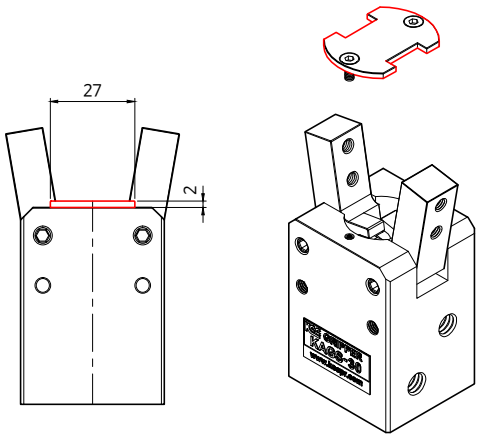
KAGS-30

외형 치수도 기본형 (Standard basic model)

◈ KAGS-30





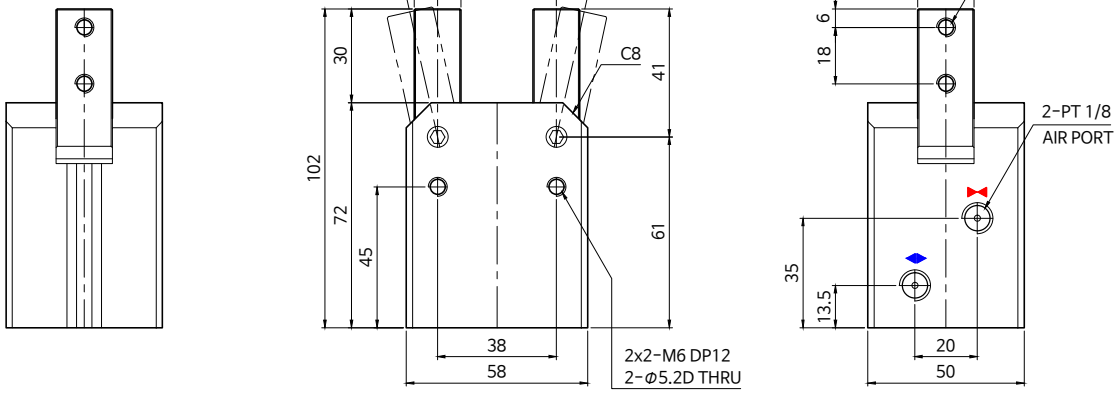


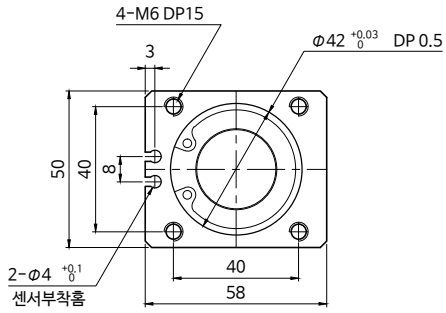
KAGS-30 K
③

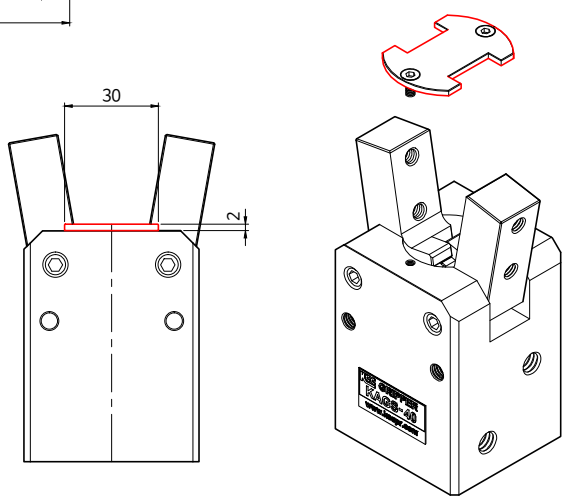
KAGS-40

외형 치수도 기본형 (Standard basic model)

◈ KAGS-40







KAGS-40 K
③

KAGS

파지력 그래프

◈ 압력=0.5 [MPa] 일때의 Gripping force [N]

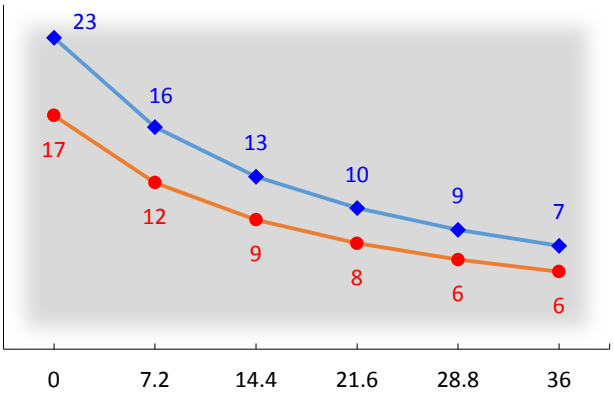
◆ : Open | ● : Close

◈ 사용 조건별 WORK의 중량 계산법

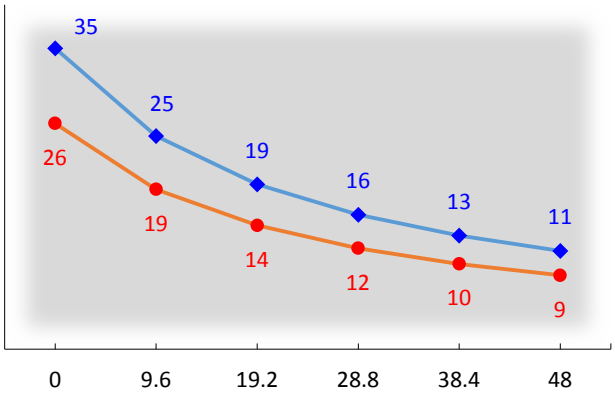
사용조건

1. 고정 또는 저속 이동 : 그래프상 파지력 x 1/5
2. 직선 운동등의 일반적인 감,가속시 x 1/10
3. 로봇 선단 이나 회전등의 급격한 감,가속시 x 1/20

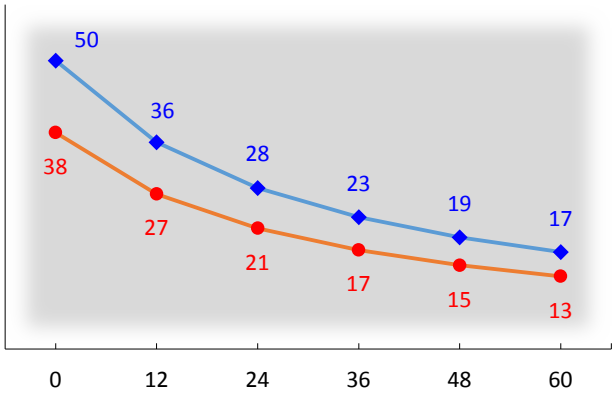
◈ KAGS-12



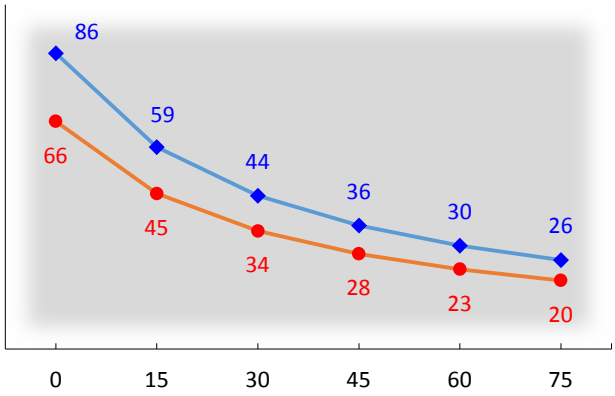
◈ KAGS-16



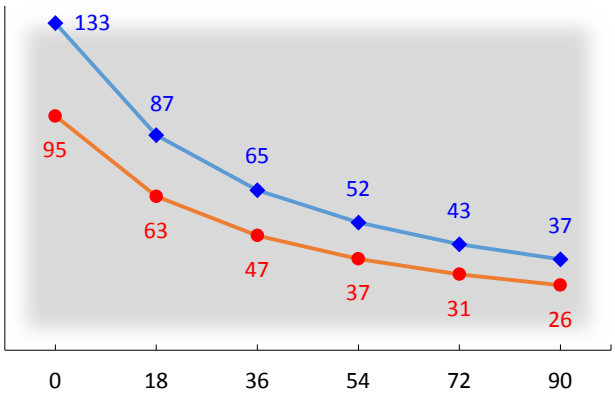
◈ KAGS-20



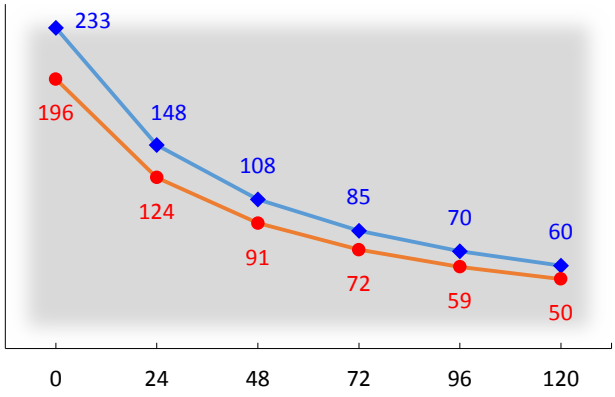
◈ KAGS-25



◈ KAGS-30



◈ KAGS-40



→ L = 작용점 위치 [mm] (Jaw의 끝단에서 WORK 파지점 까지의 거리)