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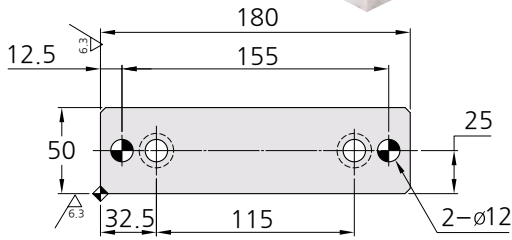
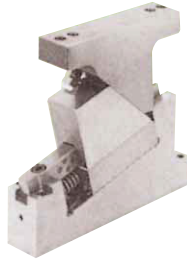
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■ DIE-MOUNTED CAM UNIT

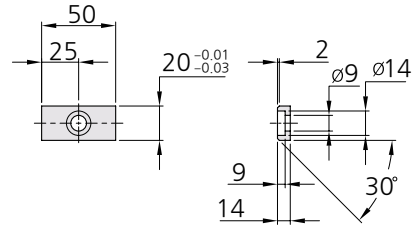
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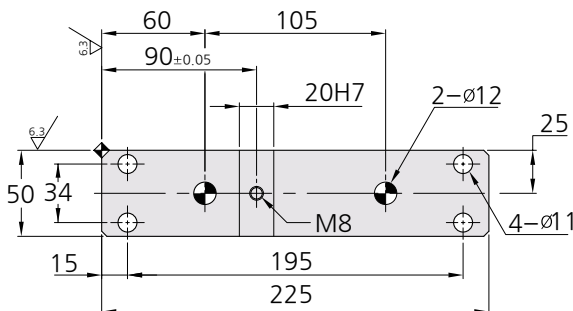
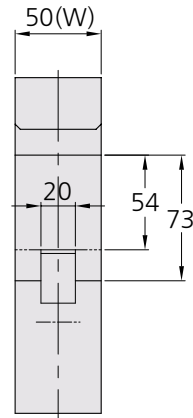
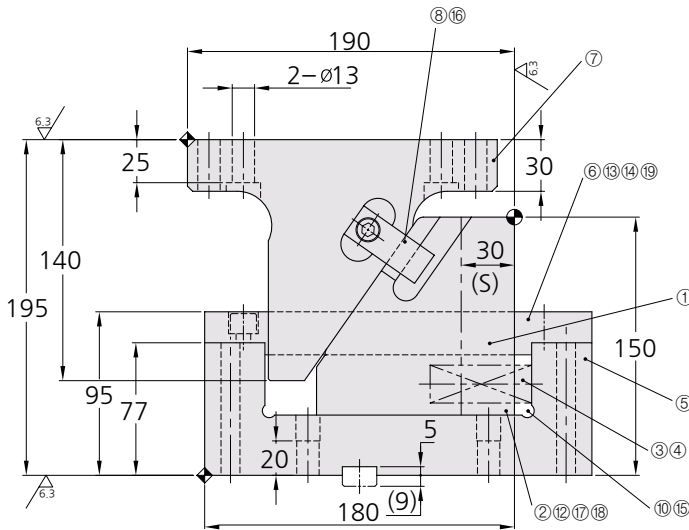
SWHSA 50-30-00



■ 키사양(옵션, 수량1)



● M8x15 볼트(1개) 부착되어 있음.





■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|--------------|----|------------------|
| ① | 캠슬라이드(상) | 1 | FC250 |
| ② | 캠슬라이드(하) | 1 | S45C |
| ③ | 스프링 | n | SWOSC-V SWS21-90 |
| ④ | 가이드핀 | 1 | SS400 |
| ⑤ | 가이드 워셔 | 1 | SS400 |
| ⑥ | 캠홀더 | 1 | S45C 고주파열처리 |
| ⑦ | 가이드바 | 1 | 동합금(SP2) 오일레스가공 |
| ⑧ | 캠드라이버 | 1 | FC250 오일레스가공 |
| ⑨ | 강제 리턴 플레이트 | 1 | 동합금(SP2) |
| ⑩ | 육각렌치볼트 | 6 | SCM435 M8x40 |
| ⑪ | 육각렌치볼트 | 2 | SCM435 M10x30 |
| ⑫ | 육각렌치 낮은 머리볼트 | 1 | SCM435 M8x18 |
| ⑬ | 스프링 플러그 | 2 | SEA1065 NH8 |
| ⑭ | 암나사 노크핀 | 2 | SUJ2 Ø8x40 |

* 스프링의 수량 및 자세한 사항은 각 규격 페이지를 참고.

* ④,⑤는 가공 스트로크가 60일 경우 첨부됨.

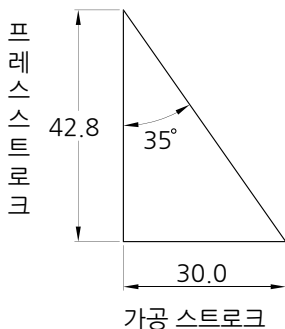
| 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 max | 중량 kg | Catalog No. | (W) | (θ) | (S) |
|-----------------|---------------|-----------------|-----|-----------|----------|-------------|-----|-----|-----|
| | min | max | | | | | | | |
| 14.7 (1.5) | 69.6 (7.1) | 421.7 (43.0) | 195 | 235 | 15.0 | SWHSA | 50 | 00 | 30 |

* kgf=0.101972N

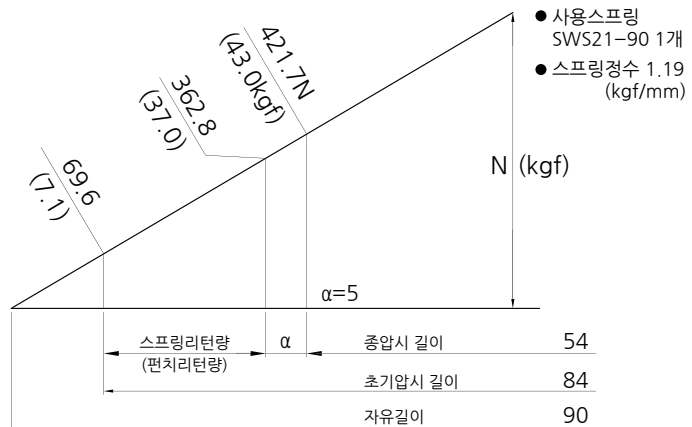
| 옵션코드 | 사양 |
|------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

규격표기 방법 **Catalog No.** **(W)** - **(S)** - **(θ)** - **옵션코드**
 SWHSA 50 - 30 - 00 - K

■ CAM선도



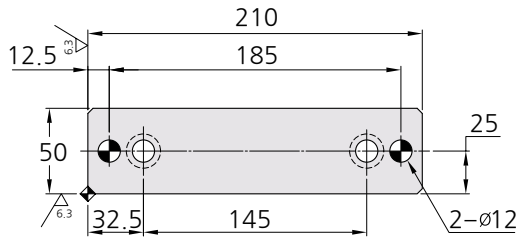
■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)



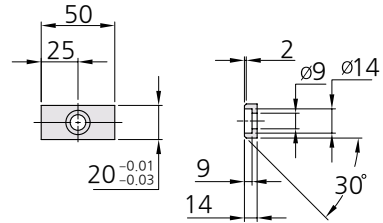


CAM UNIT – SWHSA DIE MOUNTED CAM UNIT

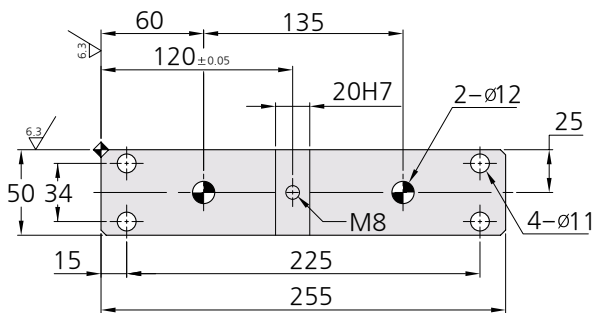
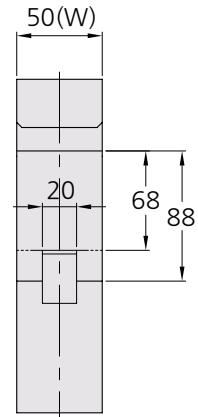
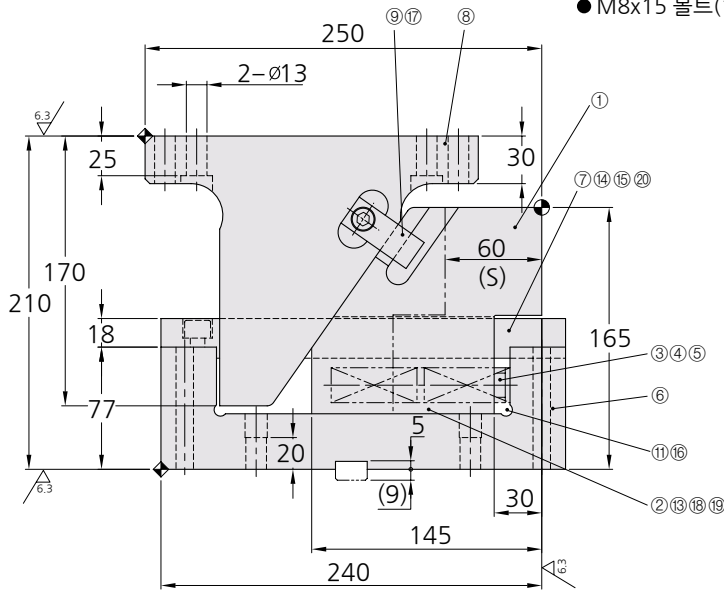
SWHSA 50-60-00



■ 키사양(옵선, 수량1)



● M8x15 볼트(1개) 부착되어 있음.



부품표는 P.233 참조.



CAM UNIT – SWHSA DIE MOUNTED CAM UNIT

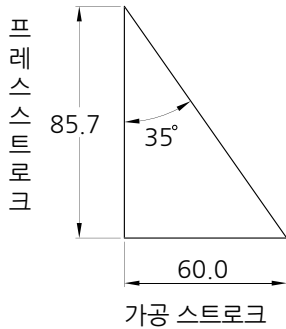
| 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 max | 중량 kg | Catalog No. | (W) | (θ) | (S) |
|-----------------|---------------|-----------------|-----|-----------|----------|--------------|-----|-----|-----|
| | min | max | | | | | | | |
| 14.7 (1.5) | 69.6 (7.1) | 421.7 (43.0) | 210 | 265 | 18.0 | SWHSA | 50 | 00 | 60 |

* kgf=0.101972N

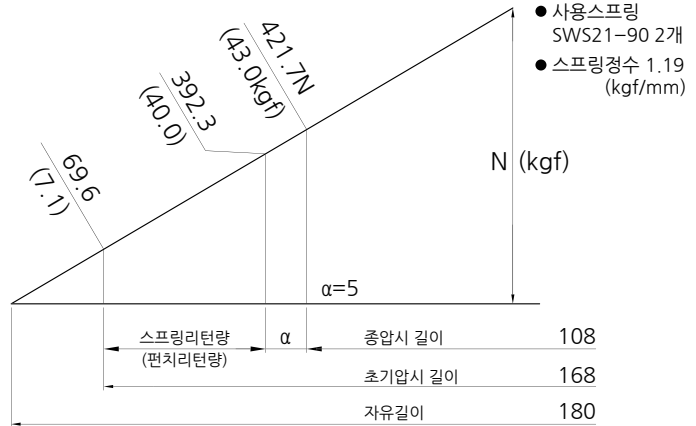
| 옵션코드 | 사양 |
|----------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

규격표기 방법 Catalog No. (W) - (S) - (θ) - 옵션코드
 SWHSA 50 - 60 - 00 - K

■ CAM선도

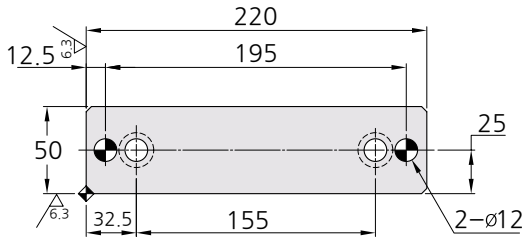


■ 스프링도면 (펀치 리턴량5mm 일때의 하중 Na)

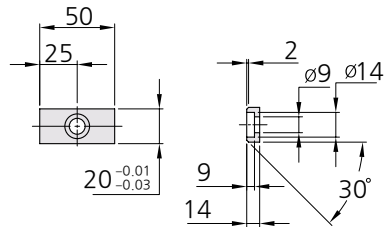




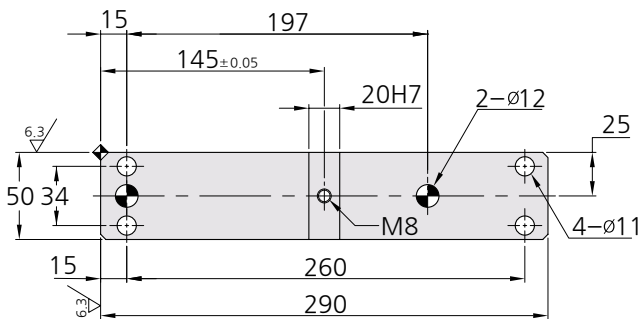
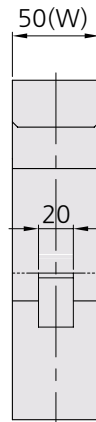
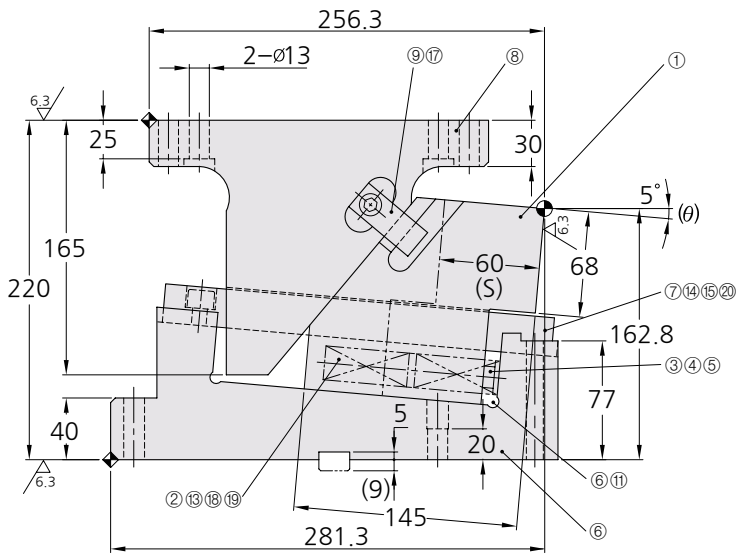
SWHSA 50-60-05



■ 키사양(옵선, 수량1)



● M8x15 볼트(1개) 부착되어 있음.



부품표는 P.233 참조.



CAM UNIT – SWHSA DIE MOUNTED CAM UNIT

| 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 max | 중량 kg | Catalog No. | (W) | (θ) | (S) |
|-----------------|---------------|-----------------|-----|-----------|----------|--------------|-----|-----|-----|
| | min | max | | | | | | | |
| 14.7 (1.5) | 69.6 (7.1) | 421.7 (43.0) | 220 | 290 | 20.0 | SWHSA | 50 | 05 | 60 |

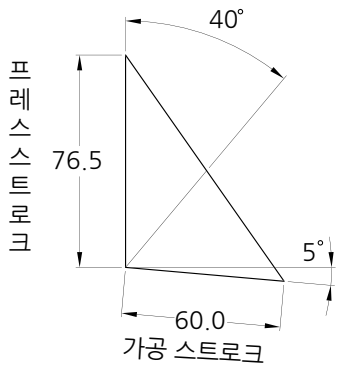
* kgf=0.101972N

| 옵션코드 | 사양 |
|----------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

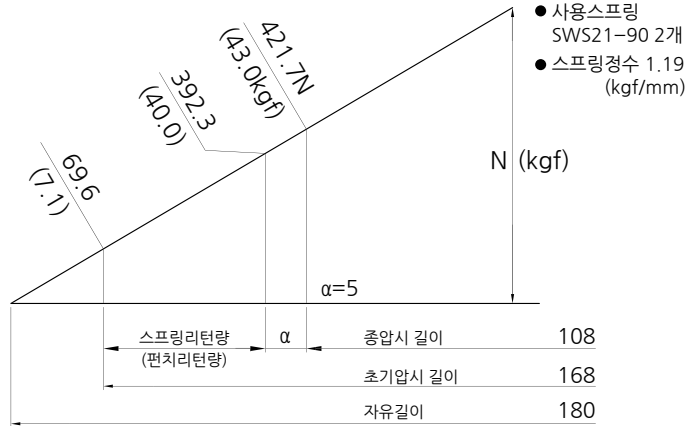
규격표기 방법 Catalog No. (W) - (S) - (θ) - 옵션코드

SWHSA 50 - 60 - 05 - K

■ CAM선도

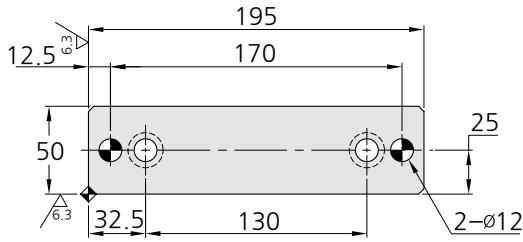


■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)

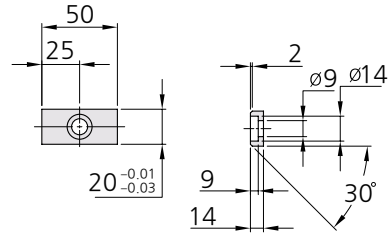




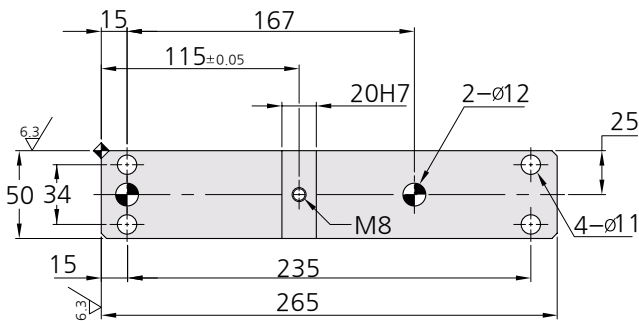
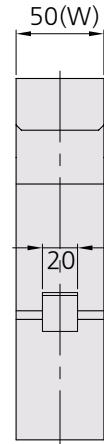
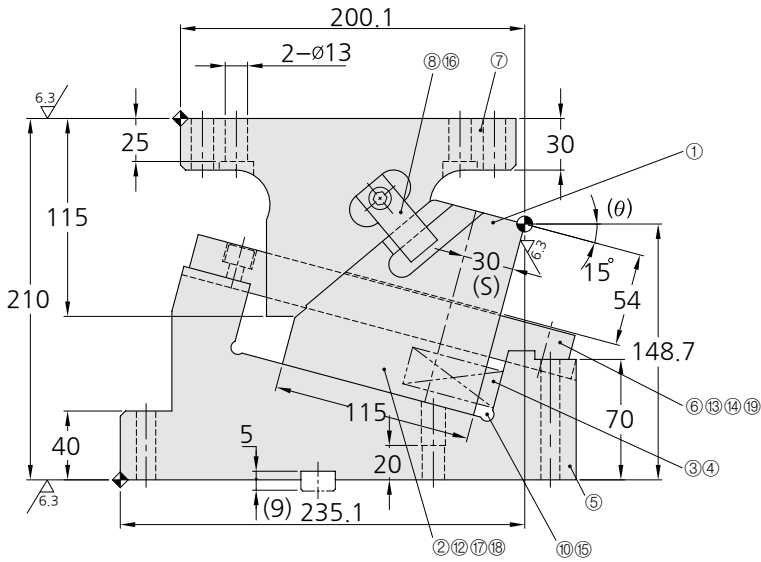
SWHSA 50-30-15



■ 키사양(옵선, 수량1)



● M8x15 볼트(1개) 부착되어 있음.



부품표는 P.233 참조.



CAM UNIT – SWHSA DIE MOUNTED CAM UNIT

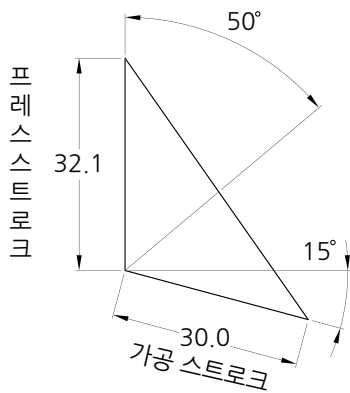
| 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 max | 중량 kg | Catalog No. | (W) | (θ) | (S) |
|-----------------|---------------|-----------------|-----|-----------|----------|--------------|-----|-----|-----|
| | min | max | | | | | | | |
| 14.7 (1.5) | 69.6 (7.1) | 421.7 (43.0) | 210 | 265 | 17.5 | SWHSA | 50 | 15 | 30 |

* kgf=0.101972N

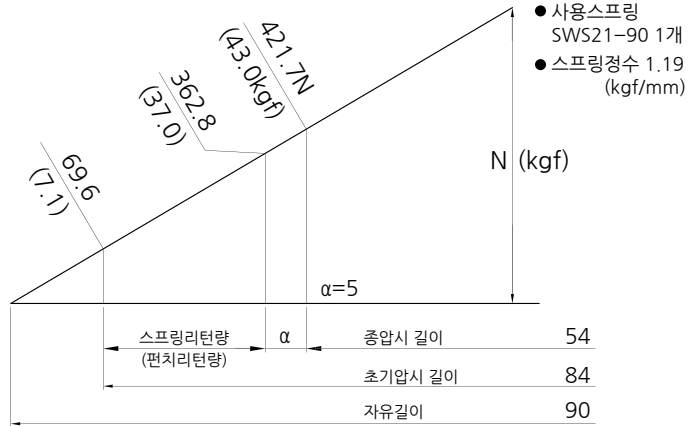
| 옵션코드 | 사양 |
|----------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

규격표기 방법 Catalog No. (W) - (S) - (θ) - 옵션코드
 SWHSA 50 - 30 - 15 - K

■ CAM선도

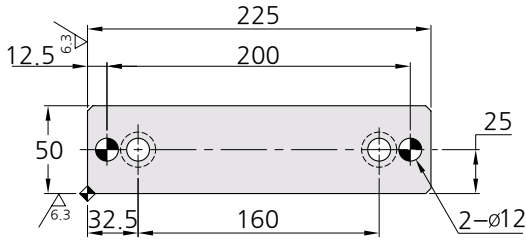


■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)

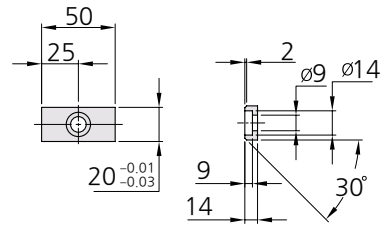




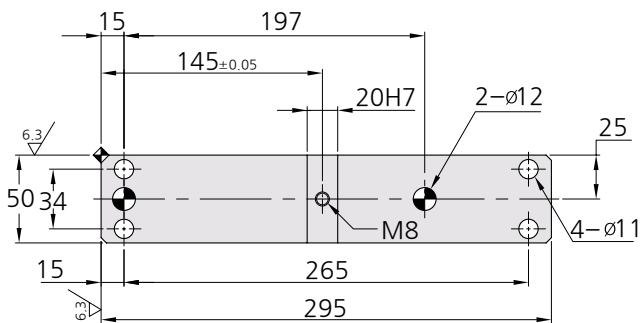
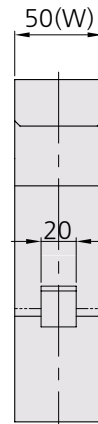
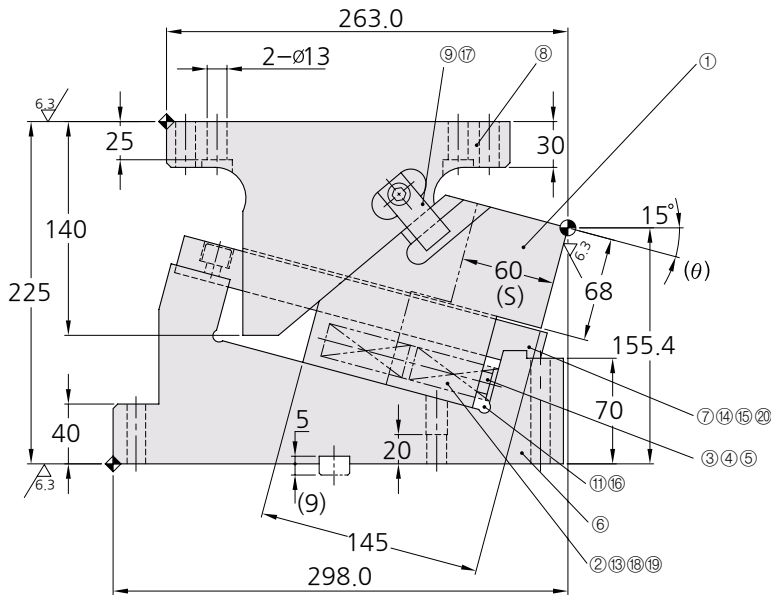
SWHSA 50-60-15



■ 키사양(옵선, 수량1)



● M8x15 볼트(1개) 부착되어 있음.



부품표는 P.233 참조.



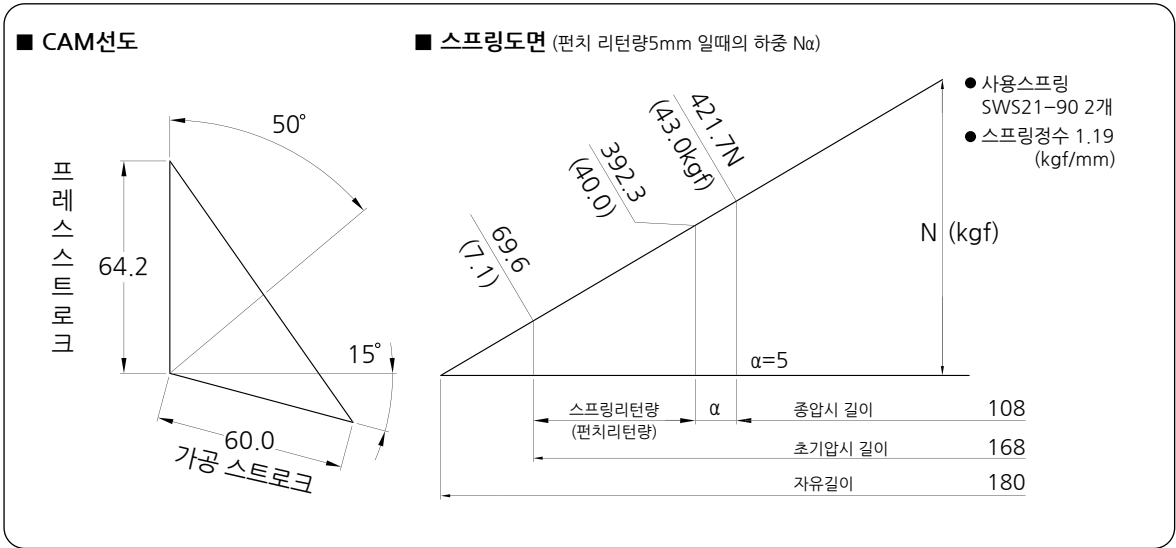
CAM UNIT – SWHSA DIE MOUNTED CAM UNIT

| 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 max | 중량 kg | Catalog No. | (W) | (θ) | (S) |
|-----------------|---------------|-----------------|-----|-----------|----------|--------------|-----|-----|-----|
| | min | max | | | | | | | |
| 14.7 (1.5) | 69.6 (7.1) | 421.7 (43.0) | 225 | 298 | 22.0 | SWHSA | 50 | 15 | 60 |

* kgf=0.101972N

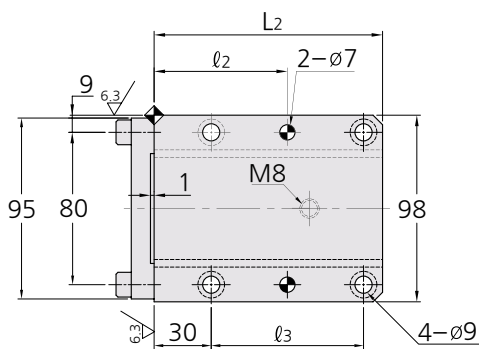
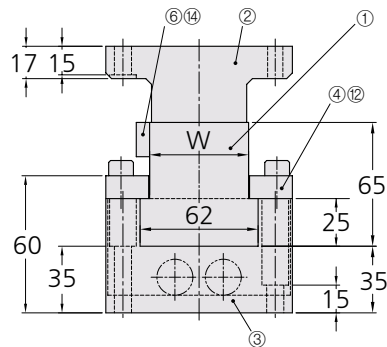
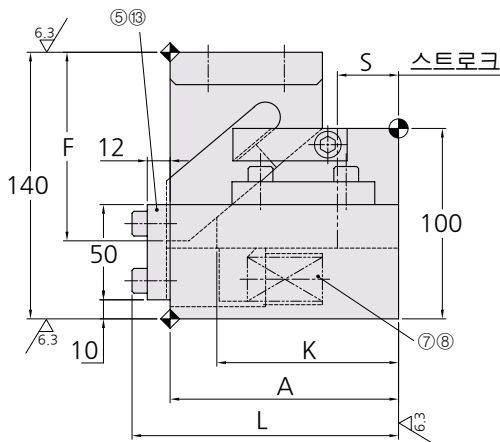
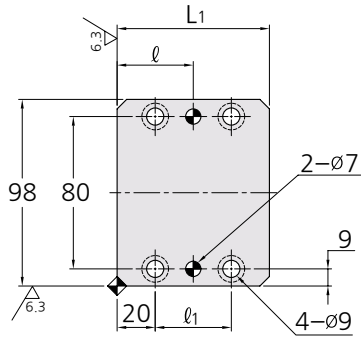
| 옵션코드 | 사양 |
|----------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

규격표기 방법 Catalog No. (W) - (S) - (θ) - 옵션코드
 SWHSA 50 - 60 - 15 - K





SWC 52



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|----------------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | 택일가능 (SS400 또는 S45C) |
| ⑥ | 강제 리턴 플레이트 | 1 | S45C |
| ⑦ | 스프링 | 2 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 2 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M8x25 |
| ⑬ | 육각렌치볼트 | 4 | SCM435 M8x30 |
| ⑭ | 육각렌치볼트 | 1 | SCM435 M8x20 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

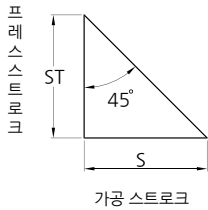
| 가공각 θ | S | A | F | K | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | 증량 (kg) |
|----------|----|-----|-----|-----|-----|-----|----|----|-----|----|-----|------------|
| 00 | 25 | 120 | 90 | 95 | 140 | 80 | 40 | 40 | 120 | 70 | 80 | 8.0 |
| | 40 | 135 | 100 | 95 | 155 | 90 | 45 | 50 | 135 | 80 | 95 | 8.0 |
| | 60 | 180 | 120 | 120 | 200 | 110 | 55 | 70 | 180 | 55 | 140 | 14.0 |

| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 |
|----|-----------------|-----------------|-----------------|-----|
| | | min | max | |
| 25 | 9.8 (1.0) | 143.2 (14.6) | 589.4 (60.1) | 140 |
| 40 | | 100.0 (10.2) | 602.1 (61.4) | |
| 60 | | 109.8 (11.2) | 615.9 (62.8) | |

| Catalog No. | W | 가공각 θ | S |
|-------------|----|----------|----|
| SWC | 52 | 00 | 25 |
| | | | 40 |
| | | | 60 |

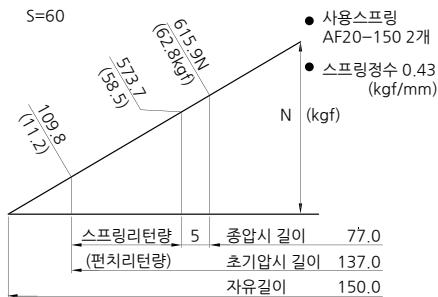
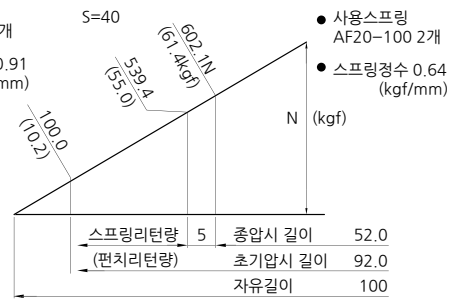
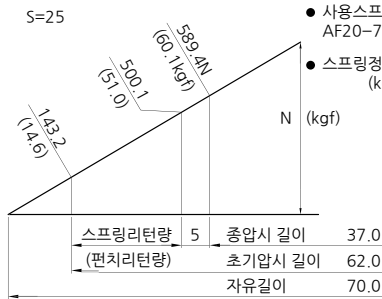
* kgf=0.101972N

■ CAM선도



| S | ST |
|----|------|
| 25 | 25.0 |
| 40 | 40.0 |
| 60 | 60.0 |

■ 스프링도면 (핀치 리턴량5mm 일때의 하중 Na)

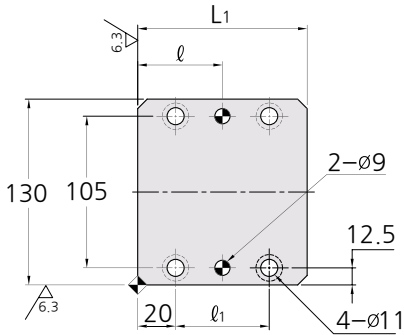


규격표기
방법

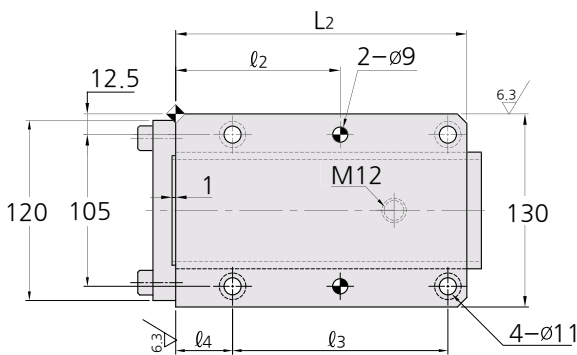
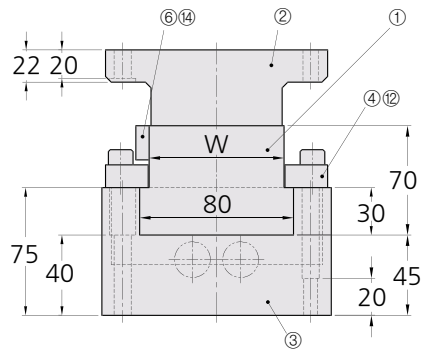
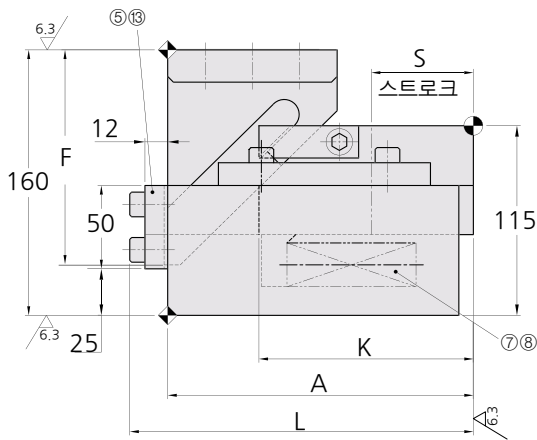
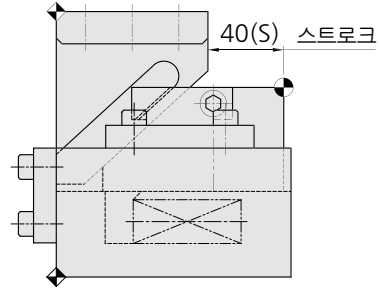
Catalog No. W - S - θ
SWC 52 - 40 - 00



SWC 65



● 스트로크 40의 경우



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | SS400 |
| ⑥ | 강제 리턴 플레이트 | 1 | S45C |
| ⑦ | 스프링 | 2 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 2 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M10x30 |
| ⑬ | 육각렌치볼트 | 4 | SCM435 M10x30 |
| ⑭ | 육각렌치볼트 | 1 | SCM435 M8x20 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

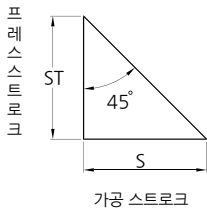
| 가공각 θ | S | A | F | K | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | ℓ4 | 중량 (kg) |
|----------|----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|----|------------|
| 00 | 40 | 140 | 110 | 100 | 167 | 100 | 50 | 60 | 145 | 80 | 100 | 30 | 19.0 |
| | 60 | 190 | 130 | 130 | 212 | 110 | 55 | 70 | 180 | 105 | 125 | 40 | 30.0 |

| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 |
|----|-----------------|-----------------|-----------------|-----|
| | | min | max | |
| 40 | 17.7 (1.8) | 125.5 (12.8) | 753.1 (76.8) | 160 |
| 60 | | | | |

| Catalog No. | W | 가공각 θ | S |
|-------------|----|----------|----|
| SWC | 65 | 00 | 40 |
| | | | 60 |

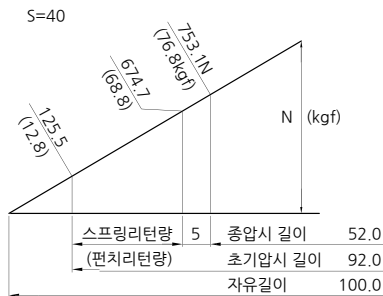
* kgf=0.101972N

■ CAM선도

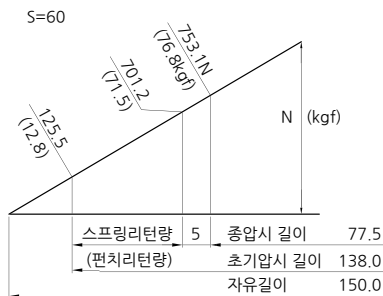


| S | ST |
|----|------|
| 40 | 40.0 |
| 60 | 60.0 |

■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)



- 사용스프링 AF22-100 2개
- 스프링정수 0.8 (kgf/mm)



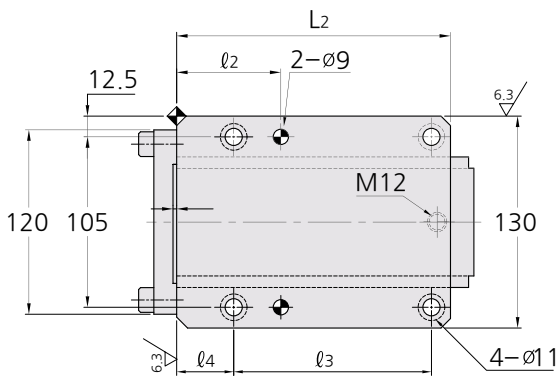
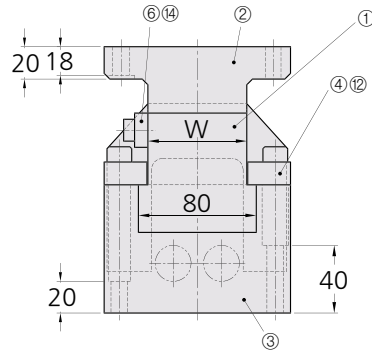
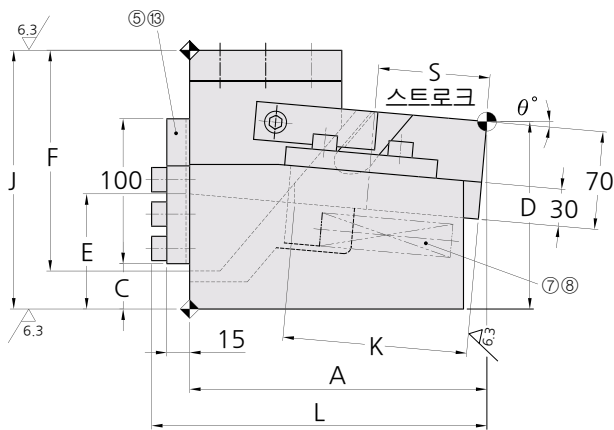
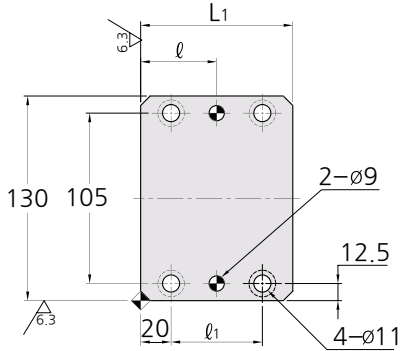
- 사용스프링 AF22-150 2개
- 스프링정수 0.53 (kgf/mm)

규격표기
방법

| | | | | | |
|-------------|----|---|----|---|----|
| Catalog No. | W | - | S | - | θ |
| SWC | 65 | - | 40 | - | 00 |



SWC 65



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | SS400 |
| ⑥ | 강제 리턴 플레이트 | 1 | S45C |
| ⑦ | 스프링 | 2 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 2 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M10x30 |
| ⑬ | 육각렌치볼트 | 6 | SCM435 M10x30 |
| ⑭ | 육각렌치볼트 | 1 | SCM435 M8x30 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

| θ | S | A | C | D | E | F | J | K | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | ℓ4 |
|----|----|-------|----|-------|----|-----|-----|-----|-------|-----|----|----|-----|-----|-----|----|
| 10 | 45 | 155.0 | 20 | 108.8 | 65 | 115 | 160 | 100 | 180.0 | 100 | 50 | 60 | 145 | 79 | 100 | 30 |
| 20 | | 160.2 | 30 | 101.2 | 85 | 105 | | | 185.2 | | | | | 80 | | |
| 10 | 70 | 199.3 | 25 | 110.9 | 75 | 145 | 170 | 120 | 224.3 | 100 | 55 | 70 | 180 | 65 | 125 | 40 |
| 20 | | 202.5 | 40 | 95.8 | 95 | 120 | | | 227.5 | | | | | 110 | | |

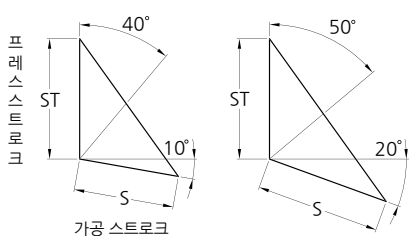
| θ | S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 중량 (kg) |
|----|----|-----------------|--------------|--------|-----|------------|
| | | | min | max | | |
| 10 | 45 | 19.6 (2.0) | 175.5 | 740.4 | 160 | 20.0 |
| 20 | | | (17.9) | (75.5) | | |
| 10 | 70 | | 190.2 | 972.8 | 170 | 21.0 |
| 20 | | | (19.4) | (99.2) | | 22.0 |

* kgf=0.101972N

| Catalog No. | W | 가공각 θ | S |
|-------------|----|----------|----|
| SWC | 65 | 10 | 45 |
| | | 20 | |
| | | 10 | 70 |
| | | 20 | |

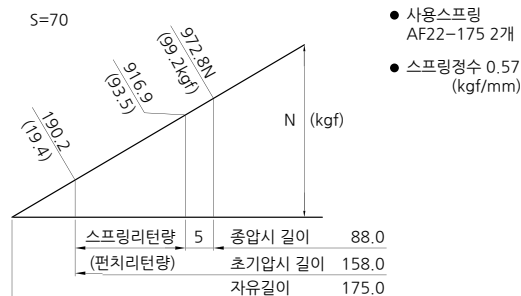
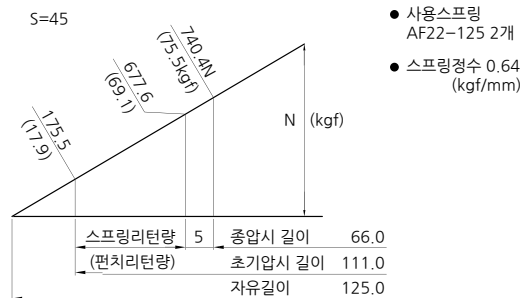
규격표기 방법 Catalog No. W - S - θ
SWC 65 - 45 - 20

■ CAM선도



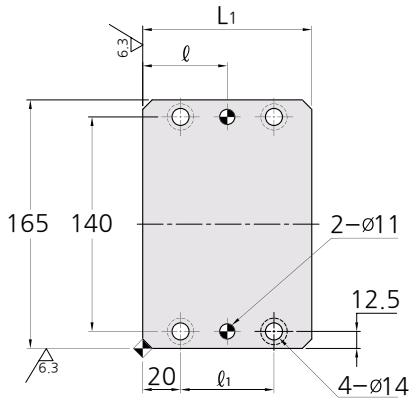
| θ | S | ST |
|----|----|------|
| 10 | 45 | 60.6 |
| 20 | | 50.9 |
| 10 | 70 | 94.3 |
| 20 | | 79.1 |

■ 스프링도면 (편치 리턴량5mm 일때의 하중 Nα)

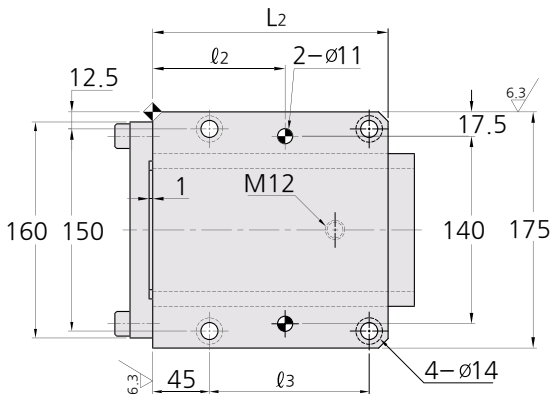
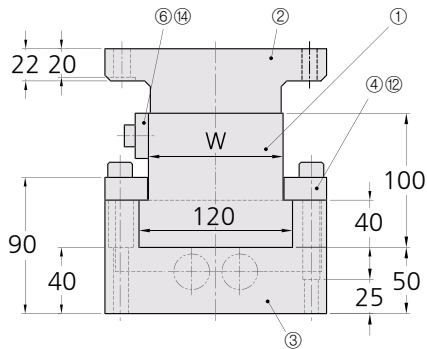
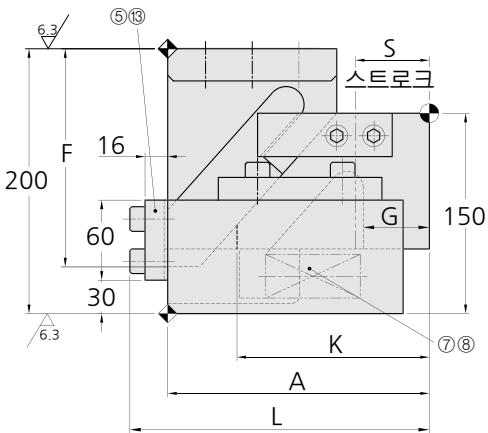
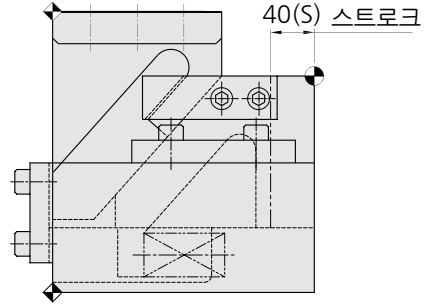




SWC 100



● 스트로크 40의 경우



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | SS400 |
| ⑥ | 강제 리턴 플레이트 | 1 | S45C |
| ⑦ | 스프링 | 2 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 2 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M12x35 |
| ⑬ | 육각렌치볼트 | 4 | SCM435 M12x35 |
| ⑭ | 육각렌치볼트 | 2 | SCM435 M8x30 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

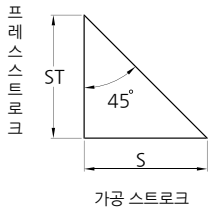
| θ | S | A | F | G | K | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | 중량 (kg) |
|----|----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|---------|
| 00 | 40 | 190 | 140 | 50 | 150 | 218 | 120 | 60 | 80 | 190 | 105 | 130 | 37.0 |
| | 60 | 210 | 160 | | | 238 | 140 | 70 | 100 | | | | 38.0 |
| | 80 | 250 | 170 | 60 | 170 | 278 | 150 | 75 | 110 | 220 | 135 | 160 | 44.0 |

| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 |
|----|-----------------|-----------------|-------------------|-----|
| | | min | max | |
| 40 | 30.4 (3.1) | 188.3 (19.2) | 1129.7 (115.2) | 200 |
| 60 | | 204.0 (20.8) | 1145.4 (116.8) | |
| 80 | | 169.7 (17.3) | 1299.4 (132.5) | |

| Catalog No. | W | 가공각 θ | S |
|-------------|-----|-------|----|
| SWC | 100 | 00 | 40 |
| | | | 60 |
| | | | 80 |

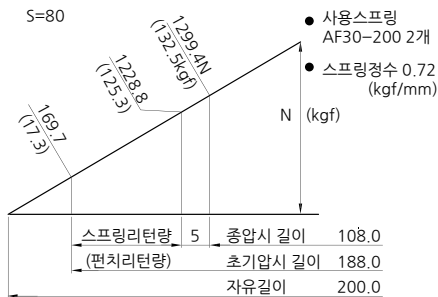
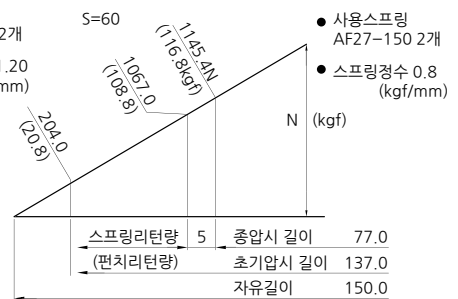
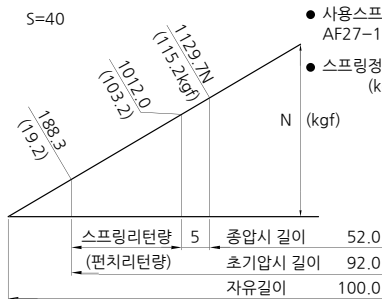
* kgf=0.101972N

■ CAM선도



| S | ST |
|----|------|
| 40 | 40.0 |
| 60 | 60.0 |
| 80 | 80.0 |

■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)

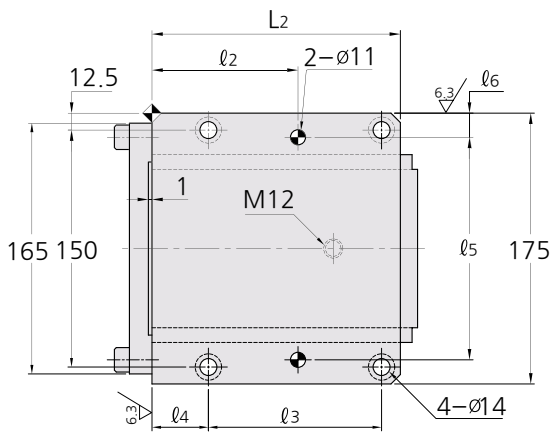
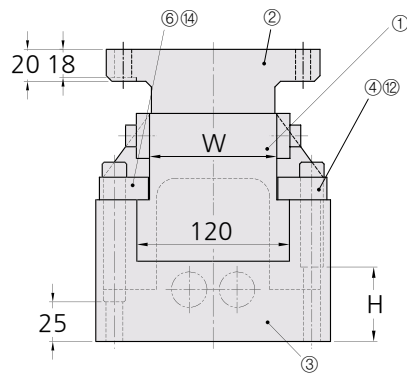
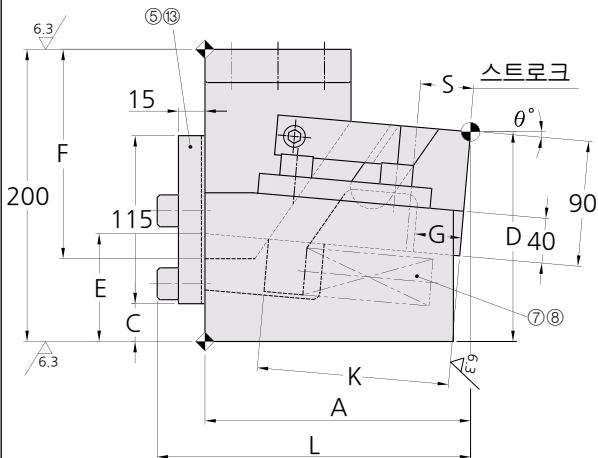
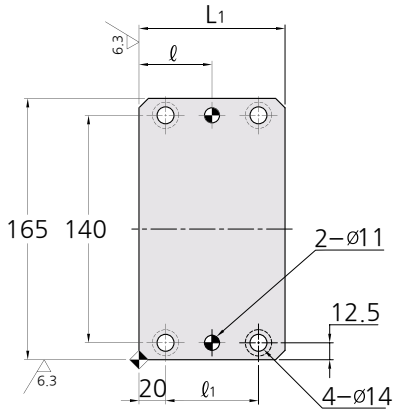


규격표기
방법

Catalog No. **SWC** W **100** - S **80** - θ **00**



SWC 100



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | SS400 |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 2 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 2 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M12x35 |
| ⑬ | 육각렌치볼트 | 4 | SCM435 M12x35 |
| ⑭ | 육각렌치볼트 | 2 | SCM435 M8x25 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

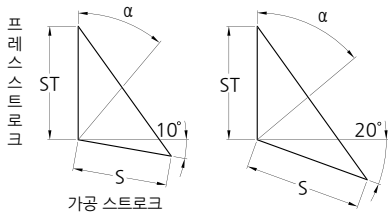
| θ | S | A | C | D | E | F | G | H | K | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | ℓ4 | ℓ5 | ℓ6 |
|----------|----|-------|----|-------|-----|-----|----|----|-----|-------|-----|----|----|-----|----|-----|----|-----|------|
| 10 | 45 | 178.1 | 30 | 135.0 | 75 | 140 | 40 | 35 | 125 | 205.1 | 100 | 50 | 60 | 160 | 90 | 105 | 40 | 140 | 17.5 |
| 20 | | 185.8 | 35 | 118.1 | 90 | 120 | | | | 212.8 | 110 | 55 | 70 | | | | | | |
| 10 | 70 | 212.6 | 30 | 133.9 | 80 | 160 | 50 | 40 | 145 | 239.6 | 120 | 60 | 80 | 190 | 70 | 130 | 45 | 150 | 12.5 |
| 20 | | 218.7 | 45 | 121.2 | 105 | 130 | | | | 245.7 | 130 | 65 | 90 | | | | | | |

| θ | S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 중량 (kg) |
|----------|----|-----------------|-------------------|-------------------|-----|------------|
| | | | min | max | | |
| 10 | 45 | 40.2 (4.1) | 263.8 (26.9) | 1111.1 (113.3) | 200 | 33.0 |
| 20 | | | 32.0 | | | |
| 10 | 70 | 196.1 (20.0) | 1143.5 (116.6) | 38.0 | | |
| 20 | | 39.0 | | | | |

* kgf=0.101972N

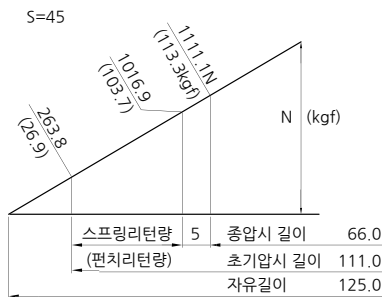
| Catalog No. | W | 가공각 θ | S | 규격표기 방법 | Catalog No. | W | - | S | - | θ |
|-------------|-----|-----------------|----|------------|-------------|---|----|---|----|----------|
| SWC | 100 | 10 | 45 | SWC | 100 | - | 70 | - | 20 | |
| | | 20 | | | | | | | | |
| | | 10 | 70 | | | | | | | |
| | | 20 | | | | | | | | |

■ CAM선도

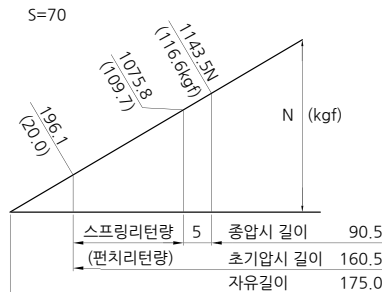


| θ | S | ST | α |
|----------|----|------|----------|
| 10 | 45 | 60.6 | 40 |
| 20 | | 50.9 | 50 |
| 10 | 70 | 94.3 | 40 |
| 20 | | 79.1 | |

■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)



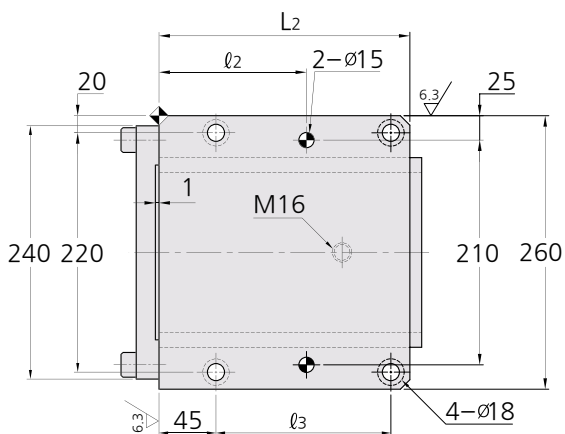
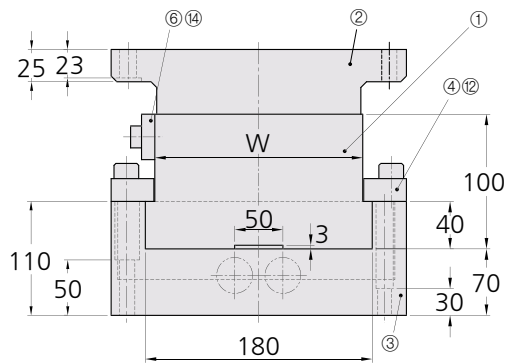
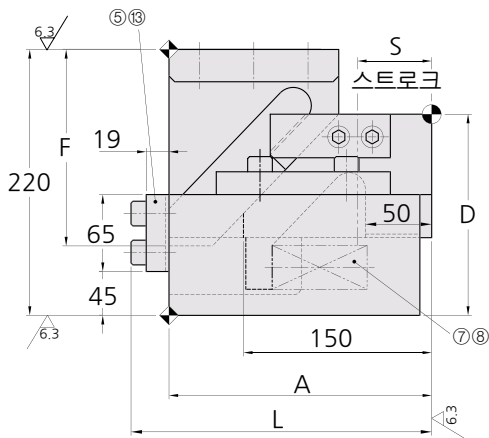
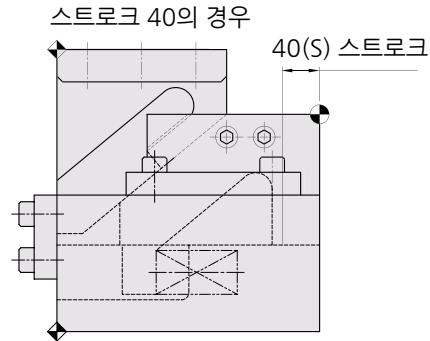
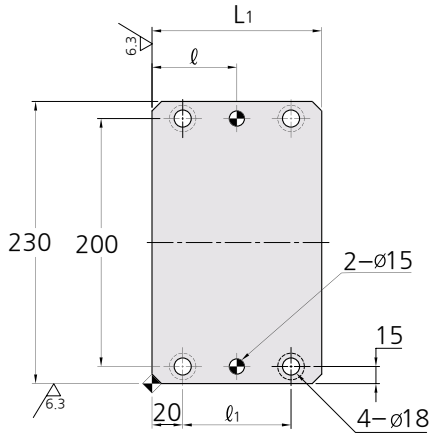
- 사용스프링 AF27-125 2개
- 스프링경수 0.96 (kgf/mm)



- 사용스프링 AF27-175 2개
- 스프링경수 0.69 (kgf/mm)



SWC 150



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | SS400 |
| ⑥ | 강제 리턴 플레이트 | 1 | S45C |
| ⑦ | 스프링 | 2 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 2 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M16x45 |
| ⑬ | 육각렌치볼트 | 4 | SCM435 M16x45 |
| ⑭ | 육각렌치볼트 | 2 | SCM435 M8x30 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

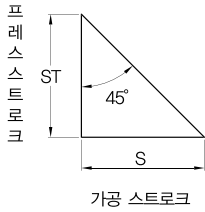
| 가공각 θ | S | A | D | F | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | 중량 (kg) |
|----------|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|------------|
| 00 | 40 | 190 | 170 | 140 | 225 | 120 | 60 | 80 | 190 | 105 | 125 | 63.0 |
| | 60 | 210 | | 160 | 245 | 140 | 70 | 100 | 200 | 110 | 135 | 69.0 |

| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 |
|----|-----------------|-----------------|-------------------|-----|
| | | min | max | |
| 40 | 59.8 (6.1) | 307.9 (31.4) | 1845.6 (188.2) | 220 |
| 60 | | 331.5 (33.8) | 1861.3 (189.8) | |

| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 150 | 00 | 40 |
| | | | 60 |

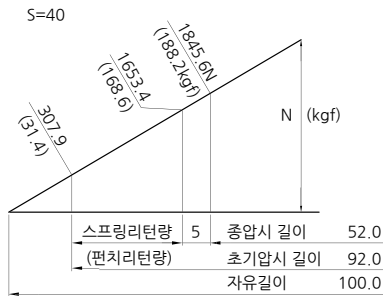
* kgf=0.101972N

■ CAM선도

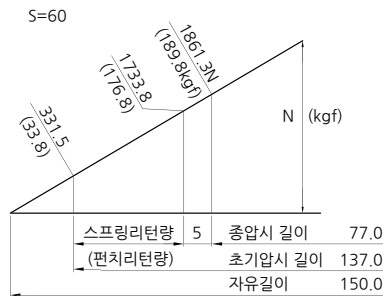


| S | ST |
|----|------|
| 40 | 40.0 |
| 60 | 60.0 |

■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)



- 사용스프링 AF35-100 2개
- 스프링경수 1.96 (kgf/mm)



- 사용스프링 AF35-150 2개
- 스프링경수 1.30 (kgf/mm)

규격표기 방법

| |
|-------------|
| Catalog No. |
|-------------|

| |
|---|
| W |
|---|

 -

| |
|---|
| S |
|---|

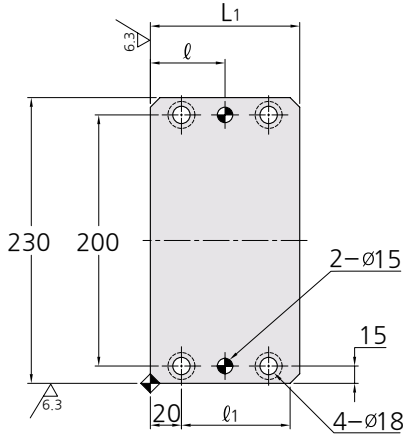
 -

| |
|---|
| θ |
|---|

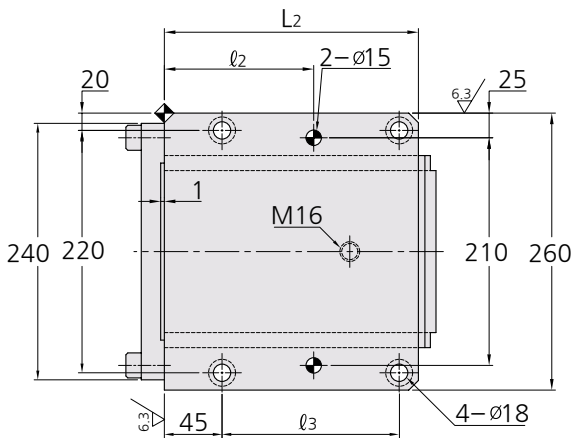
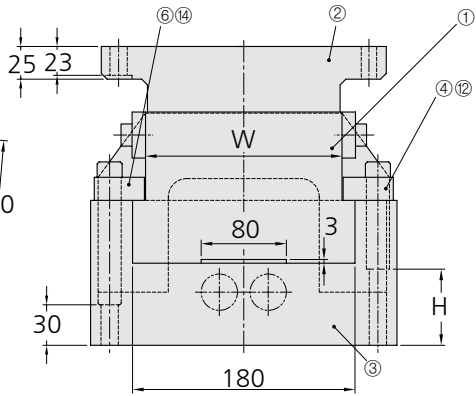
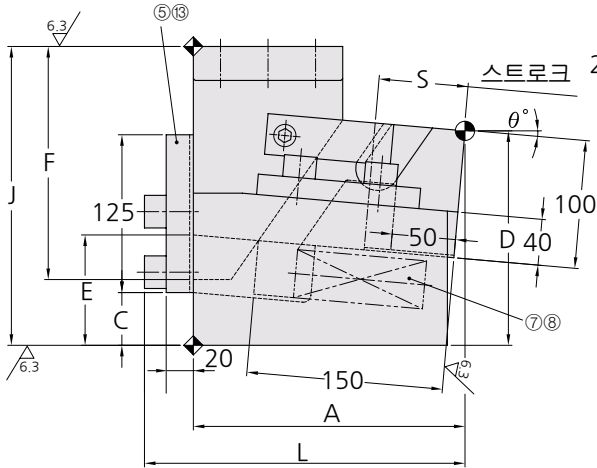
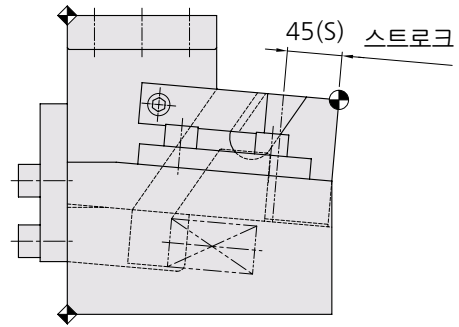
SWC 150 - 60 - 00



SWC 150



● 스트로크 45의 경우



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | SS400 |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 2 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 2 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M16x45 |
| ⑬ | 육각렌치볼트 | 4 | SCM435 M16x45 |
| ⑭ | 육각렌치볼트 | 2 | SCM435 M8x30 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

| θ | S | A | C | D | E | F | H | J | L | L ₁ | ℓ | ℓ ₁ | L ₂ | ℓ ₂ | ℓ ₃ |
|----|----|-------|-------|-------|-----|-------|-----|-----|-------|----------------|----|----------------|----------------|----------------|----------------|
| 10 | 45 | 199.6 | 40 | 151.4 | 85 | 140 | 45 | 220 | 235.6 | 110 | 55 | 70 | 190 | 105 | 125 |
| 20 | | 208.0 | | 135.7 | 105 | 130 | | | 244.0 | 120 | 60 | 80 | | | |
| 10 | 70 | 224.2 | | 152.0 | 90 | 170 | | | 260.2 | 130 | 65 | 90 | | | |
| 20 | | 231.5 | 137.1 | 115 | 155 | 267.5 | 140 | 70 | 100 | | | | | | |

| θ | S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 중량 (kg) |
|----|----|-----------------|--------------|---------|-----|------------|
| | | | min | max | | |
| 10 | 45 | 64.7 (6.6) | 431.5 | 1816.8 | 220 | 63.0 |
| 20 | | | (44.0) | (185.3) | | 66.0 |
| 10 | 70 | | 307.9 | 1845.2 | | 230 |
| 20 | | (31.4) | (188.2) | 75.0 | | |

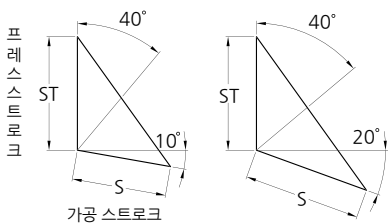
* kgf=0.101972N

| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 150 | 10 | 45 |
| | | 20 | |
| | | 10 | 70 |
| | | 20 | |

규격표기
방법

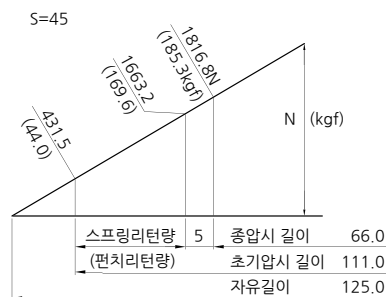
| | | | | | |
|-------------|-----|---|----|---|----|
| Catalog No. | W | - | S | - | θ |
| SWC | 150 | - | 45 | - | 10 |

■ CAM선도

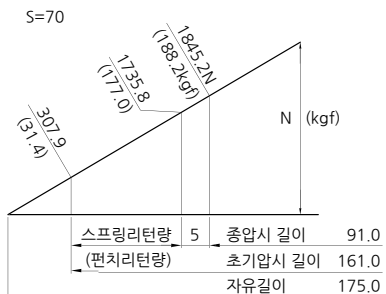


| θ | S | ST |
|----|----|------|
| 10 | 45 | 60.6 |
| 20 | | 50.9 |
| 10 | 70 | 94.3 |
| 20 | | 79.1 |

■ 스프링도면 (편치 리턴량5mm 일때의 하중 Nα)



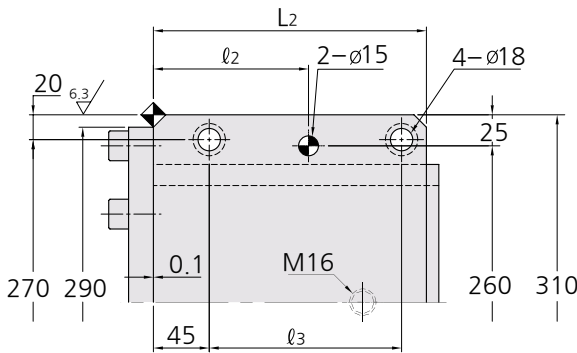
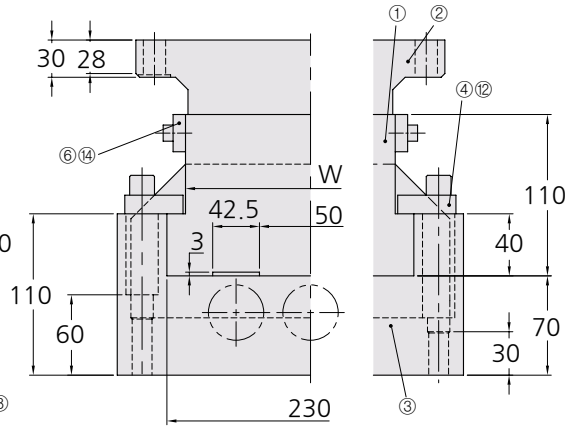
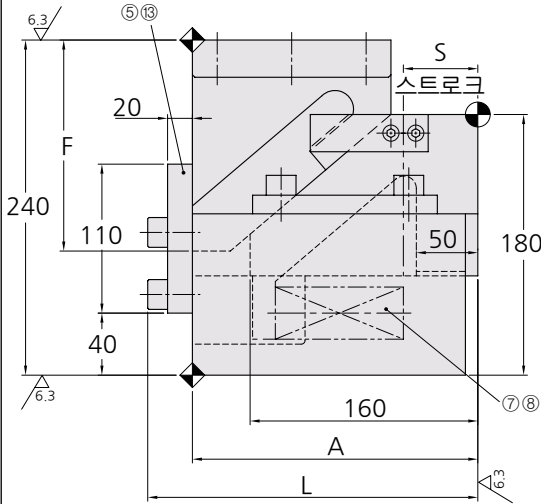
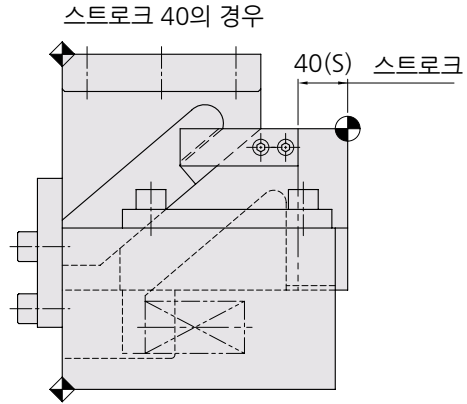
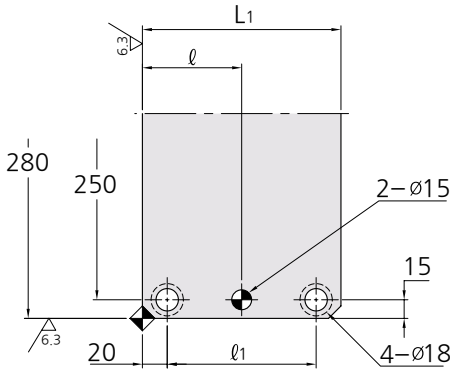
- 사용스프링 AF35-125 2개
- 스프링경수 1.57 (kgf/mm)



- 사용스프링 AF35-175 2개
- 스프링경수 1.12 (kgf/mm)



SWC 200



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|------------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | S45C (HRC 55~60) |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 3 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 3 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M16x45 |
| ⑬ | 육각렌치볼트 | 6 | SCM435 M16x45 |
| ⑭ | 육각렌치볼트 | 4 | SCM435 M8x30 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

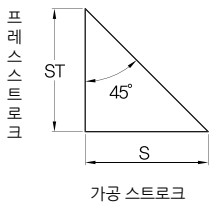
| S | A | F | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | 중량 (kg) |
|----|-----|-----|-----|-----|----|-----|-----|-----|-----|---------|
| 40 | 200 | 160 | 236 | 130 | 65 | 90 | 200 | 110 | 135 | 82.0 |
| 60 | 220 | 180 | 256 | 150 | 75 | 110 | 210 | 120 | 145 | 84.0 |

| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 |
|----|-----------------|-----------------|-------------------|-----|
| | | min | max | |
| 40 | 80.4 (8.2) | 460.9 (47.0) | 2767.4 (282.2) | 240 |
| 60 | | 497.2 (50.7) | 2791.9 (284.7) | |

| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 200 | 00 | 40 |
| | | | 60 |

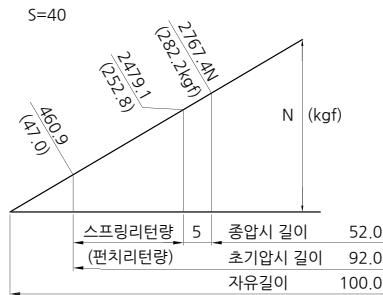
* kgf=0.101972N

■ CAM선도

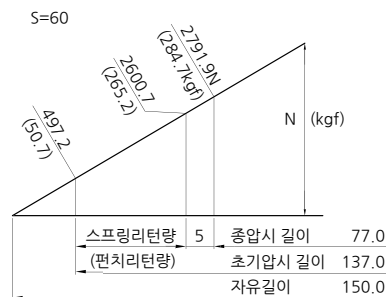


| S | ST |
|----|------|
| 40 | 40.0 |
| 60 | 60.0 |

■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)



- 사용스프링 AF35-100 2개
- 스프링경수 1.96 (kgf/mm)

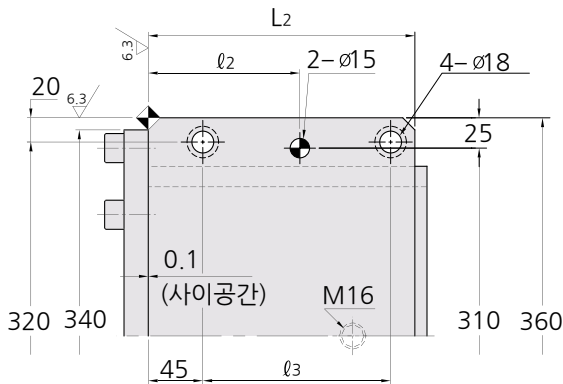
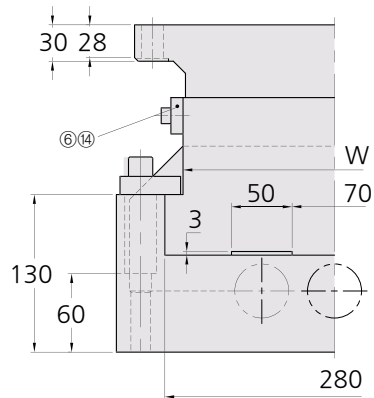
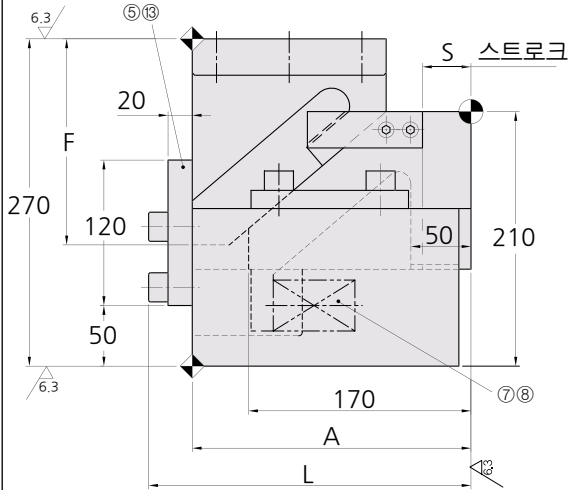
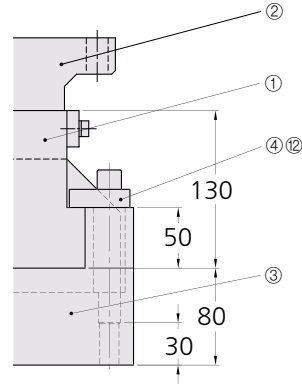
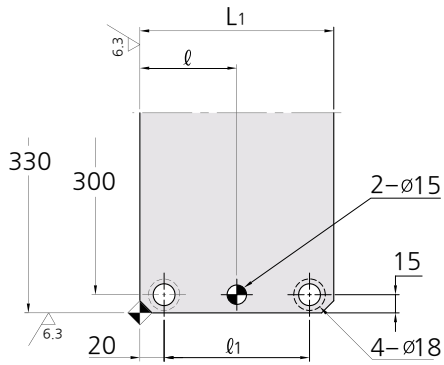


- 사용스프링 AF35-150 3개
- 스프링경수 1.30 (kgf/mm)

규격표기 방법 Catalog No. W - S - θ
 SWC 200 - 60 - 00



SWC 250



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|------------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | S45C (HRC 55~60) |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 3 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 3 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M16x45 |
| ⑬ | 육각렌치볼트 | 6 | SCM435 M16x45 |
| ⑭ | 육각렌치볼트 | 4 | SCM435 M8x30 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

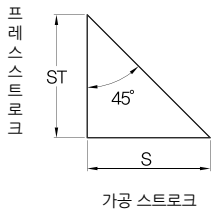
| S | A | F | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | 중량 (kg) |
|----|-----|-----|-----|-----|----|-----|-----|-----|-----|---------|
| 40 | 210 | 170 | 246 | 140 | 70 | 100 | 200 | 105 | 135 | 106.0 |
| 60 | 230 | 190 | 266 | 160 | 80 | 120 | 220 | 125 | 155 | 126.0 |

| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 |
|----|-----------------|-----------------|-------------------|-----|
| | | min | max | |
| 40 | 100.0 (10.2) | 602.1 (61.4) | 3614.7 (368.6) | 270 |
| 60 | | 650.2 (66.3) | 3651.0 (372.3) | |

| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 250 | 00 | 40 |
| | | | 60 |

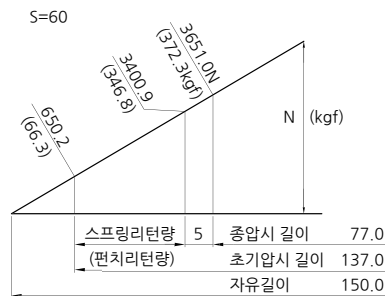
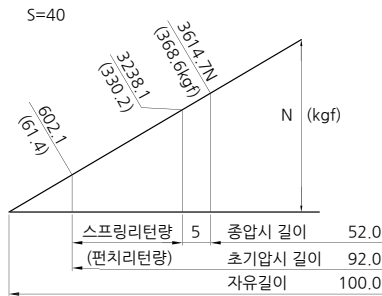
* kgf=0.101972N

■ CAM선도



| S | ST |
|----|------|
| 40 | 40.0 |
| 60 | 60.0 |

■ 스프링도면 (펀치 리턴량5mm 일때의 하중 Na)

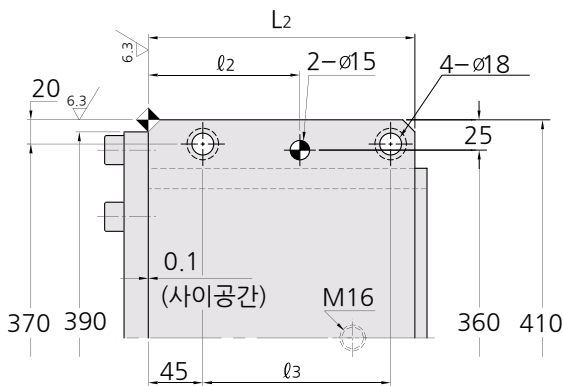
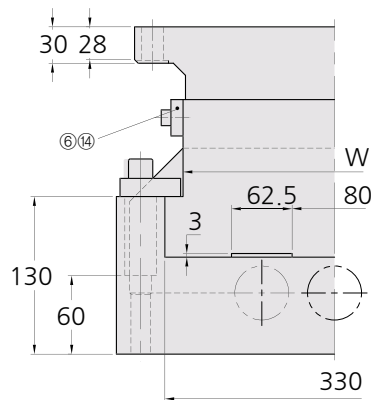
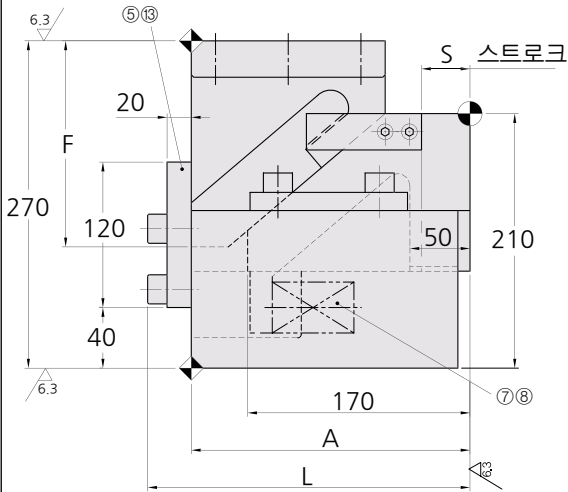
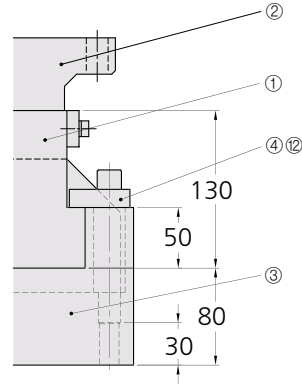
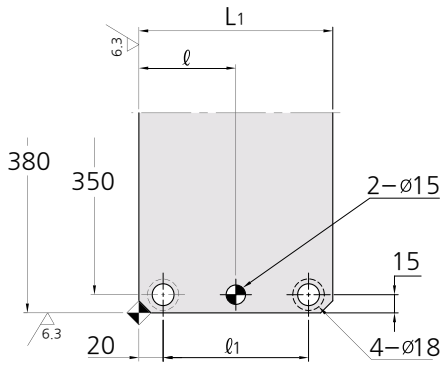


규격표기 방법

| | | | | | |
|-------------|-----|---|----|---|----|
| Catalog No. | W | - | S | - | θ |
| SWC | 250 | - | 60 | - | 00 |



SWC 300



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|------------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | S45C (HRC 55~60) |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 3 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 3 | SCM435 |
| ⑫ | 육각렌치볼트 | 4 | SCM435 M16x45 |
| ⑬ | 육각렌치볼트 | 8 | SCM435 M16x45 |
| ⑭ | 육각렌치볼트 | 4 | SCM435 M8x30 |



CAM UNIT – SWC DIE MOUNTED CAM UNIT

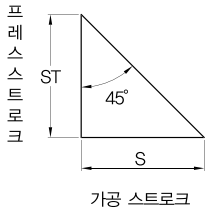
| S | A | F | L | L1 | ℓ | ℓ1 | L2 | ℓ2 | ℓ3 | 중량 (kg) |
|----|-----|-----|-----|-----|----|-----|-----|-----|-----|---------|
| 40 | 210 | 170 | 246 | 140 | 70 | 100 | 200 | 105 | 135 | 106.0 |
| 60 | 230 | 190 | 266 | 160 | 80 | 120 | 220 | 125 | 155 | 128.0 |

| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 |
|----|-----------------|-----------------|-------------------|-----|
| | | min | max | |
| 40 | 130.4 (13.3) | 602.1 (61.4) | 3614.7 (368.6) | 270 |
| 60 | | 650.2 (66.3) | 3651.0 (372.3) | |

| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 300 | 00 | 40 |
| | | | 60 |

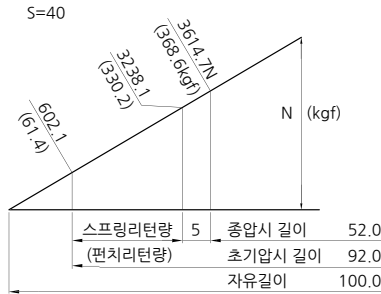
* kgf=0.101972N

■ CAM선도

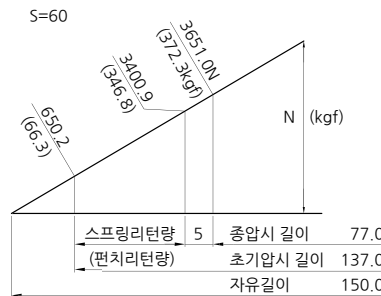


| S | ST |
|----|------|
| 40 | 40.0 |
| 60 | 60.0 |

■ 스프링도면 (펀치 리턴량5mm 일때의 하중 Na)



- 사용스프링 AF40-100 3개
- 스프링경수 2.56 (kgf/mm)



- 사용스프링 AF40-150 3개
- 스프링경수 1.70 (kgf/mm)

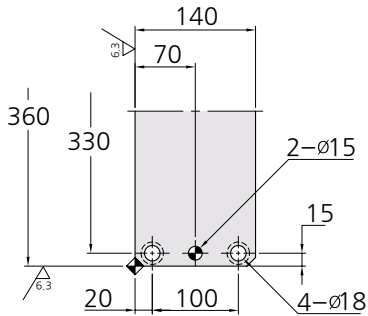
규격표기
방법

Catalog No. **SWC** - W **300** - S **40** - θ **00**

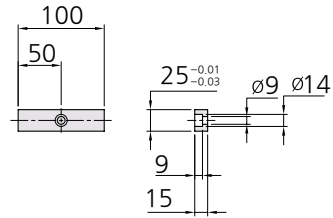


CAM UNIT – SWC DIE MOUNTED CAM UNIT

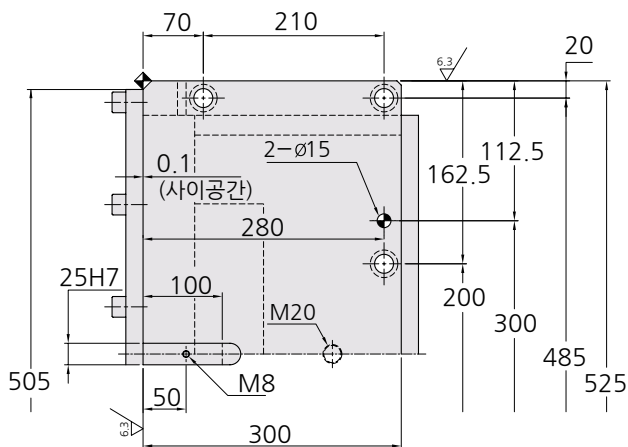
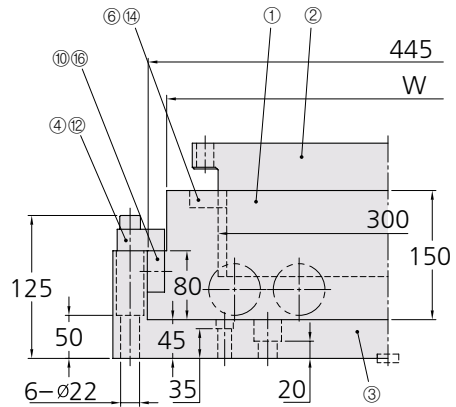
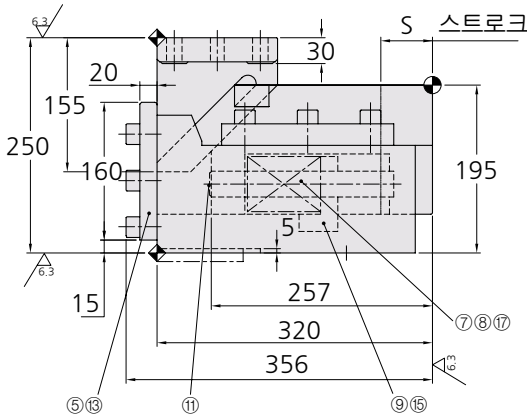
SWC 400



■ 키사양 (옵션, 수량1)



● M8x20의 볼트(1개) 부착되어 있음.



규격표기 방법 Catalog No. W - S - θ - 옵션코드
 SWC 400 - 60 - 00 - K



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | S45C (HRC55~60) |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 4 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 4 | S45C |
| ⑨ | 스프링 스톱퍼 | 2 | S45C |
| ⑩ | 웨어 플레이트 | 4 | FC250 오일레스가공 TFW48-125 |
| ⑪ | 스톱퍼 | 3 | 우레탄 Ø22x23 |
| ⑫ | 육각렌치볼트 | 6 | SCM435 M16x55 |
| ⑬ | 육각렌치볼트 | 10 | SCM435 M16x55 |
| ⑭ | 육각렌치볼트 | 4 | SCM435 M16x55 |
| ⑮ | 육각렌치볼트 | 6 | SCM435 M10x30 |
| ⑯ | 육각렌치볼트 | 8 | SCM435 M10x30 |
| ⑰ | 암나사 노크핀 | 4 | SUJ2 Ø10x60 |

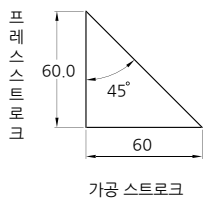
| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 L max | 중량 (kg) |
|----|-----------------|-----------------|-------------------|-----|-------------|------------|
| | | min | max | | | |
| 60 | 140.2 (14.3) | 301.1 (30.7) | 9344.7 (952.9) | 250 | 356 | 203.0 |

* kgf=0.101972N

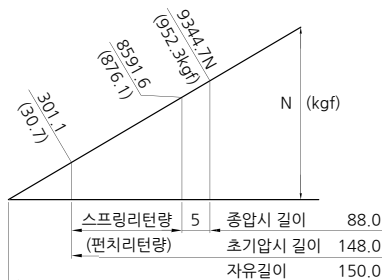
| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 400 | 00 | 60 |

| 옵션코드 | 사양 |
|------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

■ CAM선도



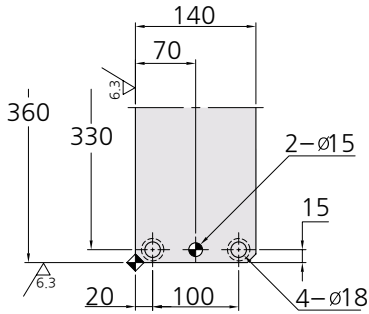
■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)



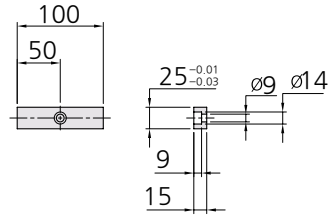


CAM UNIT – SWC DIE MOUNTED CAM UNIT

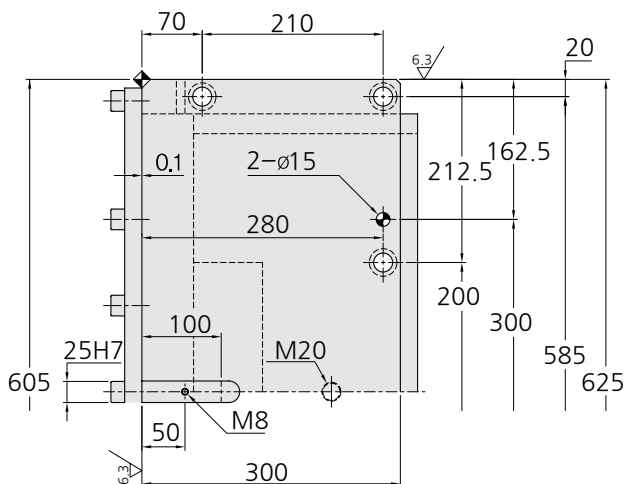
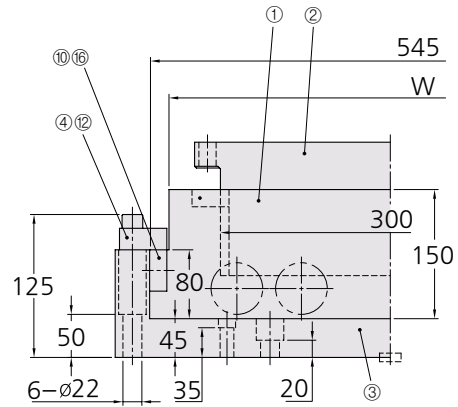
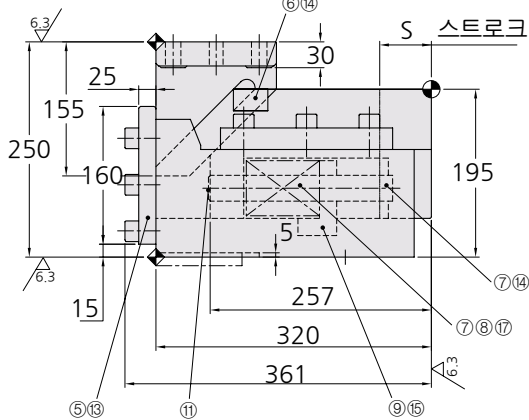
SWC 500



■ 키사양 (옵션, 수량1)



● M8x20의 볼트(1개) 부착되어 있음.



규격표기 방법 Catalog No. SWC W 500 S 60 θ 00 옵션코드 K



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | S45C (HRC55~60) |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 4 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 4 | S45C |
| ⑨ | 스프링 스톱퍼 | 2 | S45C |
| ⑩ | 웨어 플레이트 | 4 | FC250 오일레스가공 TFW48-125 |
| ⑪ | 스톱퍼 | 5 | 우레탄 Ø22x23 |
| ⑫ | 육각렌치볼트 | 6 | SCM435 M16x55 |
| ⑬ | 육각렌치볼트 | 11 | SCM435 M16x55 |
| ⑭ | 육각렌치볼트 | 4 | SCM435 M10x30 |
| ⑮ | 육각렌치볼트 | 6 | SCM435 M10x30 |
| ⑯ | 육각렌치볼트 | 8 | SCM435 M10x30 |
| ⑰ | 암나사 노크핀 | 4 | SUJ2 Ø10x60 |

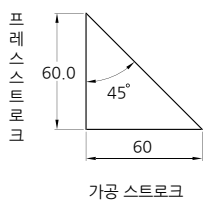
| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 L max | 중량 (kg) |
|----|-----------------|-----------------|-------------------|-----|-------------|------------|
| | | min | max | | | |
| 60 | 140.2 (14.3) | 301.1 (30.7) | 9344.7 (952.3) | 250 | 361 | 237.0 |

* kgf=0.101972N

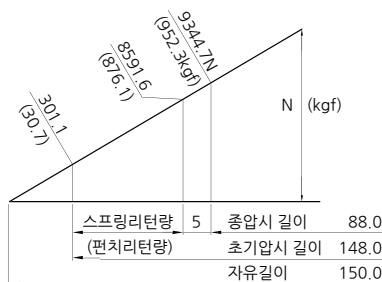
| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 500 | 00 | 60 |

| 옵션코드 | 사양 |
|------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

■ CAM선도



■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)

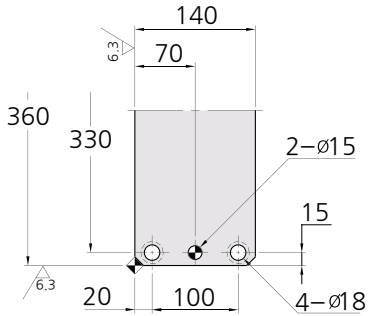


- 사용스프링 AF60-150 4개
- 스프링정수 3.84 (kgf/mm)

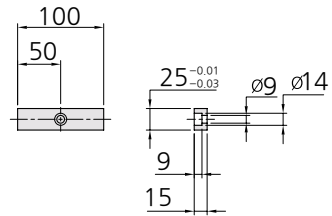


CAM UNIT – SWC DIE MOUNTED CAM UNIT

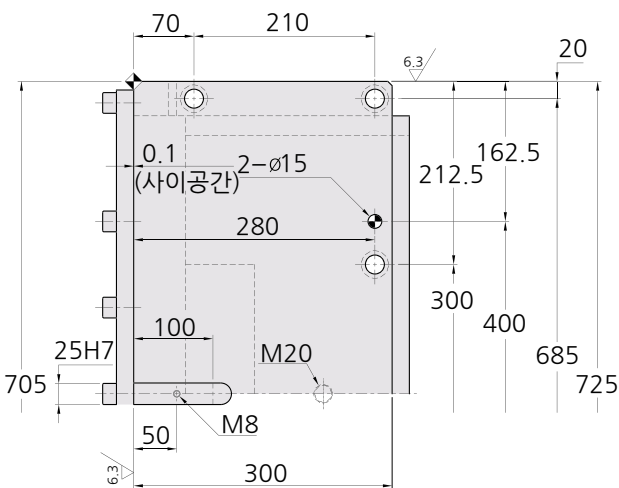
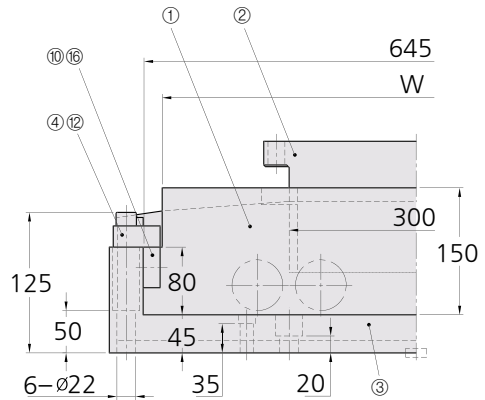
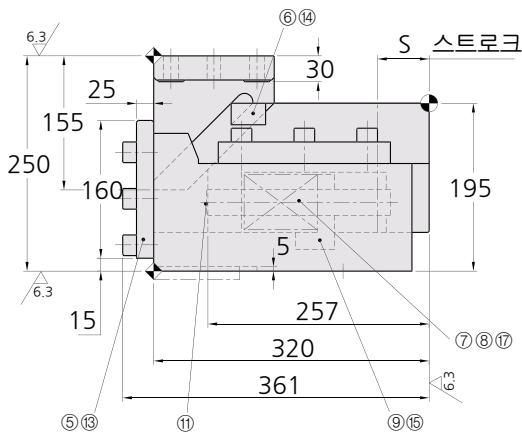
SWC 600



■ 키사양 (옵션, 수량1)



● M8x20의 볼트(1개) 부착되어 있음.



규격표기 방법 Catalog No. W - S - θ - 옵션코드
 SWC 600 - 60 - 00 - K



■ 구성부품표

| No. | 명칭 | 개수 | 재질, 비고 |
|-----|------------|----|---------------------------|
| ① | 캠슬라이더 | 1 | FC250 오일레스가공 |
| ② | 캠 드라이버 | 1 | FC250 오일레스가공 |
| ③ | 캠홀더 | 1 | FC250 |
| ④ | 캠 업퍼 플레이트 | 2 | FC250 오일레스가공 |
| ⑤ | 백업 플레이트 | 1 | S45C (HRC55~60) |
| ⑥ | 강제 리턴 플레이트 | 2 | S45C |
| ⑦ | 스프링 | 4 | SWOSC-V |
| ⑧ | 스프링 가이드핀 | 4 | S45C |
| ⑨ | 스프링 스톱퍼 | 2 | S45C |
| ⑩ | 웨어 플레이트 | 4 | FC250 오일레스가공 TFW48-125 |
| ⑪ | 스톱퍼 | 5 | 우레탄 Ø22x23 |
| ⑫ | 육각렌치볼트 | 6 | SCM435 M16x55 |
| ⑬ | 육각렌치볼트 | 11 | SCM435 M16x55 |
| ⑭ | 육각렌치볼트 | 4 | SCM435 M10x30 |
| ⑮ | 육각렌치볼트 | 6 | SCM435 M10x30 |
| ⑯ | 육각렌치볼트 | 8 | SCM435 M10x30 |
| ⑰ | 암나사 노크핀 | 4 | SUJ2 Ø10x60 |

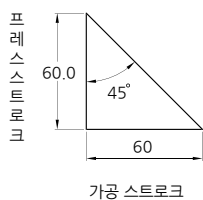
| S | 가공력 kN(tonf) | 스프링 힘 N(kgf) | | 전고 | 전장 L max | 중량 (kg) |
|----|-----------------|-----------------|-------------------|-----|-------------|------------|
| | | min | max | | | |
| 60 | 140.2 (14.3) | 301.1 (30.7) | 9344.7 (952.3) | 250 | 361 | 279.0 |

* kgf=0.101972N

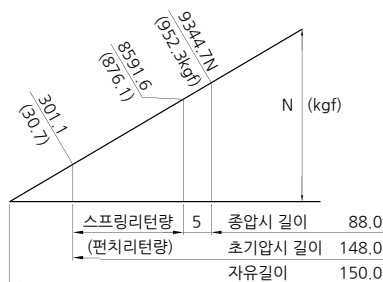
| Catalog No. | W | 가공각 θ | S |
|-------------|-----|----------|----|
| SWC | 600 | 00 | 60 |

| 옵션코드 | 사양 |
|------|---------------------------|
| K | 전용키 있음. (본체에는 세팅되지 않음) |

■ CAM선도



■ 스프링도면 (편치 리턴량5mm 일때의 하중 Na)



- 사용스프링 AF60-150 4개
- 스프링경수 3.84 (kgf/mm)