

기술적 특징

CVIC 범위

주 기능

| | VERSIONS | |
|---|---------------|---------------|
| | L STANDARD | H ADVANCED |
| Quick cycle with self-learning of the joint | 4 | 4 |
| Number of cycles in the controller | 0 | 15 |
| Number of cycle in the tool | 1 | 1 |
| Number of phases | 3 | 15 |
| Batch count (99 OK reports) | 4 | 4 |

조임 결과

| | |
|---------------------------------------|-----|
| Torque + Angle + Date + Time + Report | 100 |
|---------------------------------------|-----|

사이클의 단계 형태

| | | |
|-------------------------------------|---|---|
| Search Sequence | | ✓ |
| Run Down | ✓ | ✓ |
| Torque controlled final speed phase | ✓ | ✓ |
| Angle-controlled final speed phase | | ✓ |
| Angle-controlled run reverse | | ✓ |
| Restart cycle in case of defect | | ✓ |
| Prevailing torque monitoring | | ✓ |

방법(STRATEGIES)

| | | |
|-------------------------------------|---|---|
| Torque control and angle monitoring | ✓ | ✓ |
| Angle control and torque monitoring | | ✓ |

디스플레이와 프로그래밍

| | | |
|--|---|---|
| Display | | |
| LCD Display | ✓ | ✓ |
| Keyboard | | |
| 8 buttons keyboard | ✓ | ✓ |
| Reports | | |
| LEDs | 6 | 6 |
| PC Software Windows | | |
| CVIPC2000* : program cycles, collect, display and save results, run statistics | ✓ | ✓ |
| Connection 'point to point' | | |
| Connection through a network (32 controllers) | | ✓ |

*All CVIPC2000 versions are compatible with CVICs

정비

| | | |
|---|---|---|
| Access to all tool parameters (tool memory) | ✓ | ✓ |
| Autotest of the complete system | ✓ | ✓ |
| Spindle rotation test | ✓ | ✓ |
| Input/Output selection | ✓ | ✓ |
| Date of the last maintenance operation | ✓ | ✓ |
| Total and partial cycle counters | ✓ | ✓ |

PERIPHERALS

| | | |
|---|-----|-----|
| Input/Output | 4/5 | 8/8 |
| PC point-to-point connection (RS232) | ✓ | ✓ |
| PC network connection (RS422) | | ✓ |
| Bar code reader connection to select a cycle number (RS232) | | ✓ |

모델

| | | |
|---------------------------------|------------|------------|
| CONTROLLER for low torque tools | CVIC L-2 | CVIC H-2 |
| MODULE for low torque tools | MODCVC L-2 | MODCVC H-2 |
| CONTROLLER for the other tools | CVIC L-4 | CVIC H-4 |
| MODULE for the other tools | MODCVC L-4 | MODCVC H-4 |

주 전원(본선 전원)

| | | |
|-----------------------------|---|---|
| Single -phase 110/230 Volts | ✓ | ✓ |
|-----------------------------|---|---|



Controllers

CVIC - MODCVIC



A



B

| PIC REF | MODEL | PART NUMBER | TOOLS | CONSUMPTION (current) | | MAINS SUPPLY | WIDTH | | DIMENSIONS HEIGHT | | DEPTH | | WEIGHT | |
|------------------------|-------------|---------------|-------------------------------------|-----------------------|------|--------------|------------|------|-------------------|------|-------|------|--------|------|
| | | | | 115V | 230V | | 50/60 herz | mm | in. | mm | in. | mm | in. | kg |
| CVIC CONTROLLER | | | | | | | | | | | | | | |
| A | CVIC L-2 | 615 932 608 0 | ECL / ECPL / ECD5 / MC35-10 / ECA15 | 4A | 2A | Single-phase | 260 | 10.2 | 270 | 10.6 | 170 | 6.7 | 5 | 11.0 |
| A | CVIC H-2 | 615 932 610 0 | ECL / ECPL / ECD5 / MC35-10 / ECA15 | 4A | 2A | 100 to 250 V | 260 | 10.2 | 270 | 10.6 | 170 | 6.7 | 5 | 11.0 |
| A | CVIC L-4 | 615 932 609 0 | Other tools | 8A | 4A | Single-phase | 260 | 10.2 | 270 | 10.6 | 170 | 6.7 | 5 | 11.0 |
| A | CVIC H-4 | 615 932 611 0 | Other tools | 8A | 4A | 100 to 250 V | 260 | 10.2 | 270 | 10.6 | 170 | 6.7 | 5 | 11.0 |
| MODCVIC MODEULE | | | | | | | | | | | | | | |
| B | MODCVIC L-2 | 615 932 612 0 | ECL / ECPL / ECD5 / MC35-10 / ECA15 | 4A | 2A | Single-phase | 100 | 3.94 | 320 | 12.6 | 270 | 10.6 | 4 | 8.8 |
| B | MODCVIC H-2 | 615 932 602 0 | ECL / ECPL / ECD5 / MC35-10 / ECA15 | 4A | 2A | o r | 100 | 3.94 | 320 | 12.6 | 270 | 10.6 | 4 | 8.8 |
| B | MODCVIC L-4 | 615 932 613 0 | Other tools | 8A | 4A | three-phase | 100 | 3.94 | 320 | 12.6 | 270 | 10.6 | 4 | 8.8 |
| B | MODCVIC H-4 | 615 932 604 0 | Other tools | 8A | 4A | 100 to 250 V | 100 | 3.94 | 320 | 12.6 | 270 | 10.6 | 4 | 8.8 |

START-UP 키트 제어기와 같이 주문 될 수 있는
부속물: 플러그 + 설명서 + 커넥터

| PLUG | LITERATURE | PART NO. |
|------|------------|---------------|
| A | French | 615 928 040 0 |
| C | English | 615 928 041 0 |
| A | English | 615 928 046 0 |
| B | English | 615 928 049 0 |
| A | German | 615 928 042 0 |
| A | Spanish | 615 928 043 0 |
| D | Italian | 615 928 044 0 |
| A | Dutch | 615 928 048 0 |
| A | Swedish | 615 928 045 0 |



옵션 액세서리

| | PART NO. |
|-----------------------------------|---------------|
| • CVICPC NETWORK 2000 software | 615 927 523 0 |
| • PC cable Length 2m (78.7") | 615 917 047 0 |
| • Printer cable Length 2m (78.7") | 615 917 011 0 |
| • CVIS/CVICPC2000 1 Installation | 615 927 521 0 |
| • CVIS/CVICPC2000 5 Installation | 615 927 534 0 |
| • CVIS/CVICPC2000 25 Installation | 615 927 536 0 |



전동 너트러너 - CVIC 범위



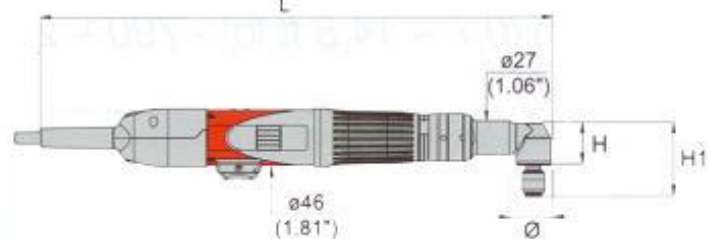
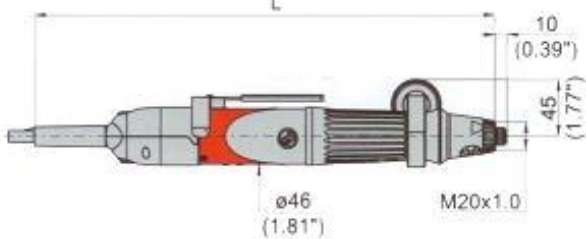
낮은 토크 전동 드라이버 - CVIC

ECL(A)1 - ECL(A)3 - ECL(A)5 - ECL(A)8 - ECL(A)11

0,2 ~ 10,4 Nm (0,15 ~ 7,7 ft.lb) - 1500 ~ 2000 rpm

ECL1 - ECL3 - ECL5 - ECL8 - ECL11

ECLA1 - ECLA3 - ECLA5 - ECLA8 - ECLA11



| MODEL | mm | H in. | mm | H1 in. | mm | Ø in. |
|----------------|----|----------|----|-----------|----|----------|
| ECLA1/ 3/ 5/ 8 | 28 | 1.10 | 50 | 1.97 | 20 | 0.79 |
| ECLA11 | 34 | 1.34 | 59 | 2.30 | 28 | 1.10 |

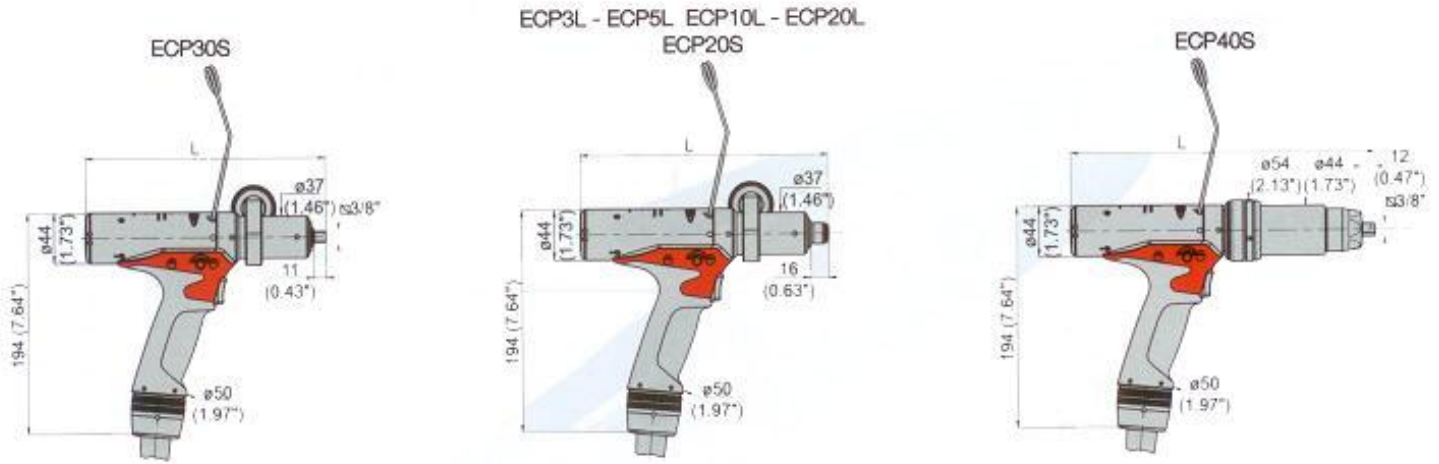
| MODEL | PART NUMBER | OUT DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | LENGTH L | | WEIGHT | | |
|-------------------|---------------|------------|--------------|----------|---------------------|-----------|-----------|-----|--------|------|-----|
| | | | in. | Nm | ft.lb | rpm/230 V | rpm/110 V | mm | in. | kg | lb. |
| IN-LINE | | | | | | | | | | | |
| ECL1 | 615 166 236 0 | Hex. 1/4 F | | 0.2-0.8 | 0.15-0.6 | 2000 | 2000 | 380 | 14.96 | 1.0 | 2.2 |
| ECL3 | 615 166 236 0 | Hex. 1/4 F | | 0.6-2.5 | 0.4-1.8 | 2000 | 2000 | 380 | 14.96 | 1.0 | 2.2 |
| ECL5 | 615 166 259 0 | Hex. 1/4 F | | 1.3-5.2 | 0.9-3.8 | 2000 | 2000 | 380 | 14.96 | 1.1 | 2.4 |
| ECL8 | 615 166 237 0 | Hex. 1/4 F | | 2.0-8.0 | 1.5-5.9 | 2000 | 1400 | 380 | 14.96 | 1.1 | 2.4 |
| ECL11 | 615 166 260 0 | Hex. 1/4 F | | 2.6-10.4 | 1.9-7.7 | 1500 | 1000 | 380 | 14.96 | 1.1 | 2.4 |
| ANGLE HEAD | | | | | | | | | | | |
| ECLA1 | 615 166 264 0 | Hex. 1/4 F | | 0.2-0.8 | 0.15-0.6 | 2000 | 2000 | 410 | 16.14 | 1.1 | 2.4 |
| ECLA3 | 615 166 265 0 | Hex. 1/4 F | | 0.6-2.5 | 0.4-1.8 | 2000 | 2000 | 410 | 16.14 | 1.1 | 2.4 |
| ECLA5 | 615 166 266 0 | Hex. 1/4 F | | 1.3-5.2 | 0.9-3.8 | 2000 | 2000 | 410 | 16.14 | 1.1 | 2.4 |
| ECLA8 | 615 166 267 0 | Hex. 1/4 F | | 2.0-8.0 | 1.5-5.9 | 2000 | 1400 | 410 | 16.14 | 1.1 | 2.4 |
| ECLA11 | 615 166 261 0 | Hex. 1/4 F | | 2.6-10.4 | 1.9-7.7 | 1500 | 1000 | 410 | 16.14 | 1.35 | 3.0 |



피스톨 그립형 전동 너트러너 - CVIC

ECP3L-ECP5L-ECP10L-ECP20L-ECP20S-ECP30S-ECP40S

1 ~ 40 Nm (0.7 ~ 29.5 ft.lb) - 880 ~ 2000 rpm

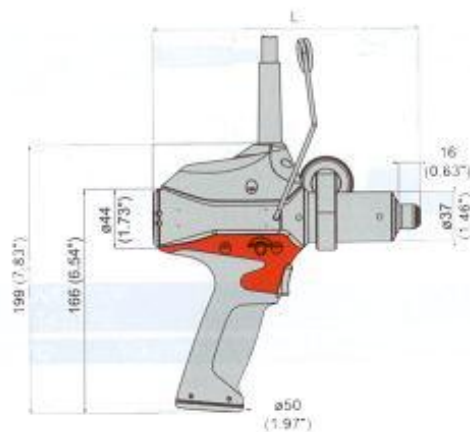


| MODEL | PART NUMBER | OUT DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | LENGTH L | | WEIGHT | | |
|--------|---------------|-----------|--------------|---------|---------------------|-----------|-----------|-----|--------|-----|-----|
| | | | in. | Nm | ft.lb | rpm/230 V | rpm/110 V | mm | in. | kg | lb. |
| ECP3L | 615 165 199 0 | Hex 1/4 F | | 1.0-3 | 0.7-2.2 | 2000 | 2000 | 196 | 7.7 | 1.0 | 2.2 |
| ECP5L | 615 165 200 0 | Hex 1/4 F | | 1.7-5 | 1.3-3.7 | 2000 | 1515 | 196 | 7.7 | 1.0 | 2.2 |
| ECP10L | 615 165 201 0 | Hex 1/4 F | | 3.0-10 | 2.2-7.4 | 1540 | 1000 | 196 | 7.7 | 1.1 | 2.4 |
| ECP20L | 615 165 202 0 | Hex 1/4 F | | 7.0-20 | 5.2-14.8 | 790 | 515 | 196 | 7.7 | 1.1 | 2.4 |
| ECP20S | 615 165 203 0 | Hex 1/4 F | | 7.0-20 | 5.2-14.8 | 1540 | 1000 | 221 | 8.7 | 1.2 | 2.6 |
| ECP30S | 615 165 204 0 | Sq 3/8 | | 10.0-30 | 7.4-22.1 | 1070 | 700 | 217 | 8.5 | 1.2 | 2.6 |
| ECP40S | 615 165 262 0 | Sq 3/8 | | 13.0-40 | 9.6-29.5 | 880 | 575 | 263 | 10.4 | 2.1 | 4.5 |

피스톨 그립형 전동 너트러너 - CVIC

ECP3LT-ECP5LT-ECP10LT-ECP20LT

1 ~ 20 Nm (0.7 ~ 14.8 ft.lb) - 790 ~ 2000 rpm



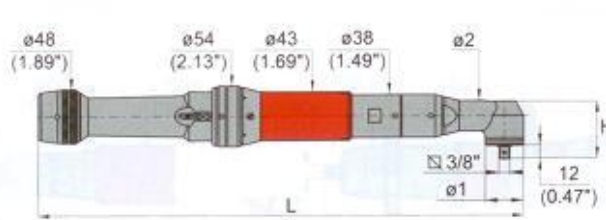
| MODEL | PART NUMBER | OUT DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | LENGTH L | | WEIGHT | | |
|---------|---------------|-----------|--------------|--------|---------------------|-----------|-----------|-----|--------|-----|-----|
| | | | in. | Nm | ft.lb | rpm/230 V | rpm/110 V | mm | in. | kg | lb. |
| ECP3LT | 615 165 231 0 | Hex 1/4 F | | 1.0-3 | 0.7-2.2 | 2000 | 2000 | 196 | 7.7 | 1.0 | 2.2 |
| ECP5LT | 615 165 232 0 | Hex 1/4 F | | 1.7-5 | 1.3-3.7 | 2000 | 1960 | 196 | 7.7 | 1.0 | 2.2 |
| ECP10LT | 615 165 233 0 | Hex 1/4 F | | 3.0-10 | 2.2-7.4 | 1540 | 1515 | 196 | 7.7 | 1.1 | 2.4 |
| ECP20LT | 615 165 234 0 | Hex 1/4 F | | 7.0-20 | 5.2-14.8 | 790 | 515 | 196 | 7.7 | 1.1 | 2.4 |



앵글 헤드 전동 너트러너 - CVIC

ECA15 - ECA20 - ECA30 - ECA40 - ECA60

5 ~ 60 Nm (3.7 ~ 44.2 ft.lb) - 570 ~ 1480 rpm



ECA15

Quick change chuck
P.N 615 396 2620

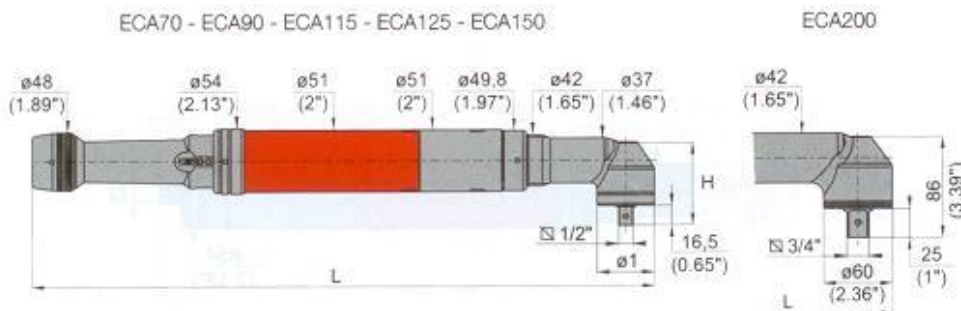
| MODEL | H | | φ1 | | φ2 | |
|---------------|------|-----|----|-----|------|------|
| | mm | in. | mm | in. | mm | in. |
| ECA15 | 45.5 | 1.8 | 28 | 1.1 | 27.0 | 1.06 |
| ECA20 - ECA30 | 45.5 | 1.8 | 28 | 1.1 | 27.0 | 1.06 |
| ECA40 | 51.5 | 2.0 | 35 | 1.4 | 27.0 | 1.06 |
| ECA60 | 57.5 | 2.3 | 40 | 1.6 | 30.5 | 1.20 |

| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | LENGTH L | | WEIGHT | |
|-------|---------------|--------------|--------------|-----------|---------------------|----------|----------|------|--------|-----|
| | | | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | kg | lb. |
| ECA15 | 615 165 192 0 | 3/8" | 5-15 | 3.7-11.0 | 1140 | 855 | 406 | 16.0 | 1.3 | 2.9 |
| ECA20 | 615 165 100 0 | 3/8" | 7-20 | 5.2-14.7 | 1480 | 1110 | 431 | 16.9 | 1.7 | 3.7 |
| ECA30 | 615 165 101 0 | 3/8" | 10-30 | 7.4-22.1 | 1140 | 855 | 431 | 16.9 | 1.7 | 3.7 |
| ECA40 | 615 165 102 0 | 3/8" | 13-40 | 9.6-29.5 | 900 | 675 | 441 | 17.4 | 1.8 | 4.0 |
| ECA60 | 615 165 103 0 | 3/8" | 20-60 | 14.7-44.2 | 570 | 427 | 453 | 17.8 | 1.9 | 4.2 |

앵글 헤드 전동 너트러너 - CVIC

ECA70 - ECA90 - ECA115 - ECA125 - ECA150 - ECA200

23 ~ 200 Nm (16.9 ~ 147.5ft.lb) - 220 ~ 690 rpm



| MODEL | H | | φ1 | |
|-----------------------|----|-----|----|------|
| | mm | in. | mm | in. |
| ECA70- ECA90 - ECA115 | 66 | 2.6 | 45 | 1.77 |
| ECA125 - ECA150 | 69 | 2.7 | 50 | 1.97 |

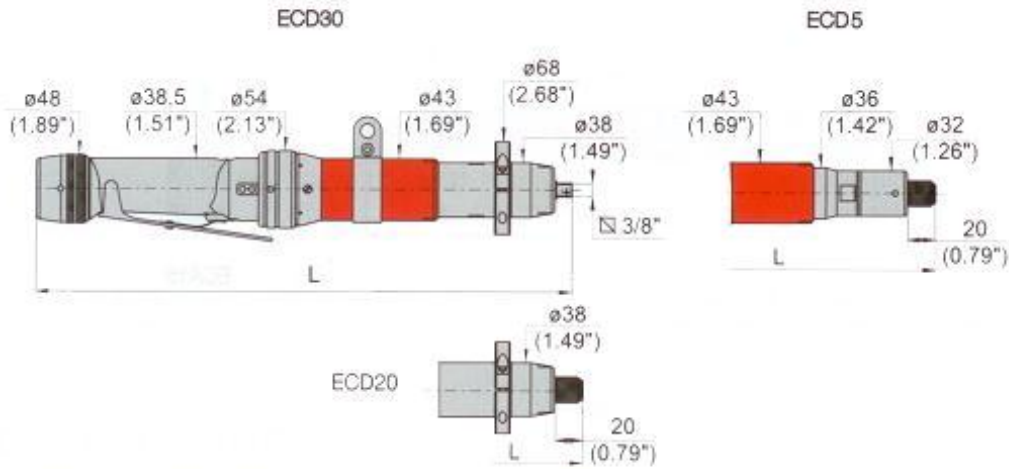
| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | LENGTH L | | WEIGHT | |
|--------|---------------|--------------|--------------|------------|---------------------|----------|----------|------|--------|-----|
| | | | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | kg | lb. |
| ECA70 | 615 165 104 0 | 1/2" | 23-70 | 16.9-51.6 | 690 | 517 | 538 | 21.2 | 3.3 | 7.3 |
| ECA90 | 615 165 105 0 | 1/2" | 30-90 | 22.1-66.4 | 550 | 412 | 538 | 21.2 | 3.3 | 7.3 |
| ECA115 | 615 165 106 0 | 1/2" | 39-115 | 28.7-84.8 | 380 | 285 | 538 | 21.2 | 3.3 | 7.3 |
| ECA125 | 615 165 188 0 | 1/2" | 40-125 | 29.5-92.2 | 360 | 270 | 541 | 21.3 | 3.6 | 7.9 |
| ECA150 | 615 165 189 0 | 1/2" | 50-150 | 36.8-110.6 | 300 | 225 | 541 | 21.3 | 3.6 | 7.9 |
| ECA200 | 615 165 190 0 | 3/4" | 70-200 | 51.6-147.5 | 220 | 165 | 591 | 23.3 | 3.8 | 8.4 |



인라인 전동 너트러너 - CVIC

ECD5 - ECD20 - ECD30

2 ~ 30 Nm (1.5 ~ 22 ft.lb) - 1100 ~ 2065 rpm

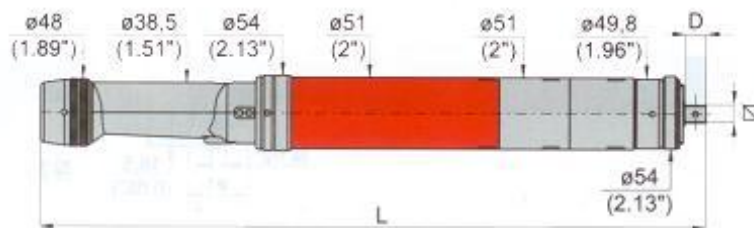


| MODEL | PART NUMBER | OUTPUT DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | LENGTH L | | WEIGHT | |
|-------|---------------|--------------|--------------|----------|---------------------|-----------|----------|------|--------|-----|
| | | | Nm | ft.lb | rpm/230 V | rpm/110 V | mm | in. | kg | lb. |
| ECD5 | 615 165 068 0 | Hex 1/4 F | 2-6 | 1.5-4.4 | 2065 | 1548 | 346 | 13.6 | 1.0 | 2.4 |
| ECD20 | 615 165 093 0 | Hex 1/2 F | 7-20 | 5.2-14.7 | 1560 | 1170 | 388 | 15.3 | 1.5 | 3.3 |
| ECD30 | 615 165 094 0 | Sq 3/8 | 10-30 | 7.4-22 | 1100 | 825 | 380 | 15.0 | 1.5 | 3.3 |

인라인 전동 너트러너 - CVIC

ECD50 - ECD70 - ECD120

16 ~ 120 Nm (11.8 ~ 88.5 ft.lb) - 400 ~ 1030 rpm



| MODEL | D | |
|---------------|------|------|
| | mm | in. |
| ECD50 | 12.0 | 0.47 |
| ECD70- ECD120 | 16.5 | 0.65 |

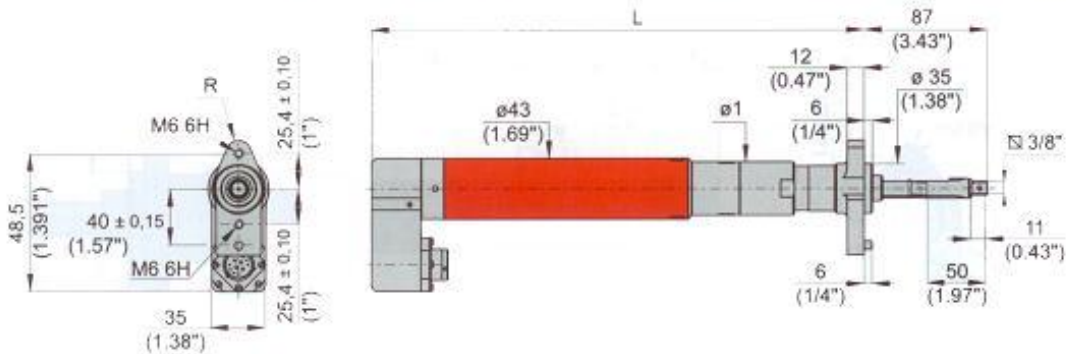
| MODEL | PART NUMBER | OUTPUT DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | LENGTH L | | WEIGHT | |
|--------|---------------|--------------|--------------|-----------|---------------------|-----------|----------|------|--------|-----|
| | | | Nm | ft.lb | rpm/230 V | rpm/110 V | m | in. | kg | lb. |
| ECD50 | 615 165 095 0 | 3/8 | 16-50 | 11.8-36.8 | 1030 | 772 | 456 | 17.9 | 2.6 | 5.7 |
| ECD70 | 615 165 096 0 | 1/2 | 23-70 | 16.9-51.5 | 487 | 487 | 461 | 18.1 | 2.6 | 5.7 |
| ECD120 | 615 165 097 0 | 3/2 | 40-120 | 29.5-88.5 | 400 | 400 | 488 | 19.2 | 3.1 | 6.8 |



고정 전동 스피들 - CVIC

MC35-10 - MC35-20 - MC38-10 - MC38-20

2.5 ~ 45 Nm (1.8 ~ 33.2 ft.lb) - 1092 ~ 2067 rpm



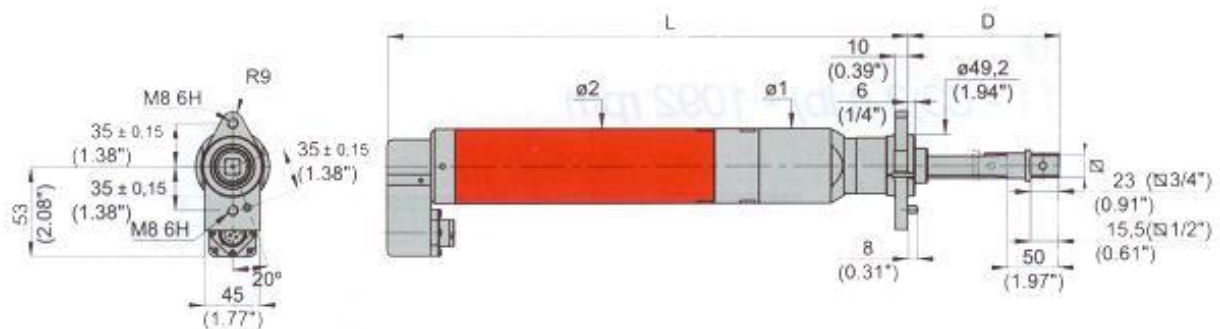
| MODEL | ø1 | |
|-------------------|----|------|
| | mm | in. |
| MC35-10 | 35 | 1.38 |
| MC35-20 | 35 | 1.38 |
| MC38-10 - MC38-20 | 38 | 1.50 |

| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | TELESCOPIC | | MIN. CENTRE DISTANCE | | LENGTH L | | WEIGHT | |
|---------|---------------|--------------|--------------|-----------|---------------------|----------|------------|------|----------------------|-----|----------|------|--------|-----|
| | | | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | mm | in. | mm | in. | kg | lb. |
| MC35-10 | 615 165 107 0 | 3/8 | 2.5-8 | 1.8-5.9 | 2067 | 1344 | 50 | 1.97 | 43.2 | 1.7 | 276 | 10.9 | 1.7 | 3.7 |
| MC35-20 | 615 165 108 0 | 3/8 | 5.0-15 | 3.7-11 | 2067 | 1344 | 50 | 1.97 | 43.2 | 1.7 | 301 | 11.8 | 2.0 | 4.4 |
| MC38-10 | 615 165 109 0 | 3/8 | 10.0-30 | 7.4-22.1 | 1287 | 837 | 50 | 1.97 | 43.2 | 1.7 | 347 | 13.7 | 2.0 | 4.4 |
| MC38-20 | 615 165 110 0 | 3/8 | 15.0-45 | 11.0-33.2 | 1092 | 710 | 50 | 1.97 | 43.2 | 1.7 | 347 | 13.7 | 2.0 | 4.4 |

고정 전동 스피들 - CVIC

MC51-10 - MC51-20 - MC60-10 - MC60-20 - MC60-30

25 ~ 190 Nm (18.4 ~ 140 ft.lb) - 299 ~ 923 rpm



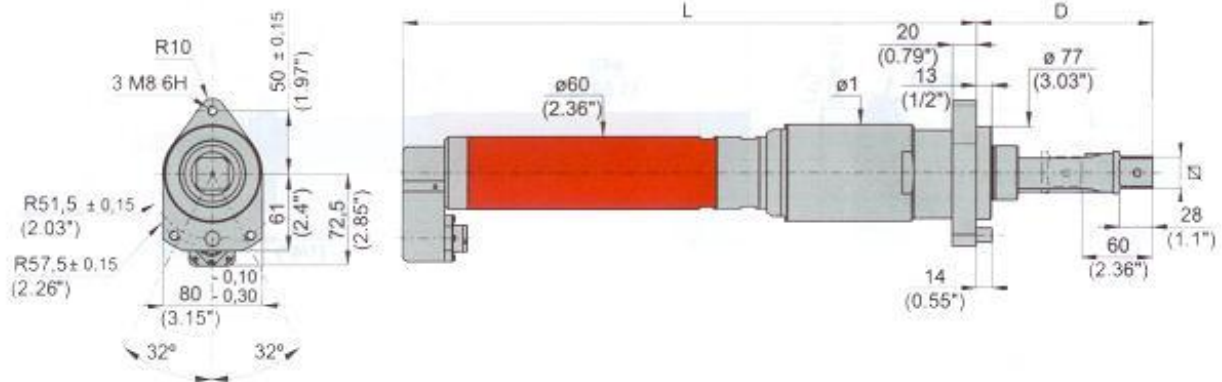
| MODEL | ø1 | | ø2 | | D | |
|-------------------|----|------|----|------|-------|------|
| | mm | in. | mm | in. | mm | in. |
| MC51-10 - MC51-20 | 51 | 2.01 | 43 | 1.70 | 113.0 | 4.45 |
| MC60-10 | 60 | 2.36 | 60 | 2.36 | 113.0 | 4.45 |
| MC60-20 - MC60-30 | 60 | 2.36 | 60 | 2.36 | 121.5 | 4.78 |

| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | TELESCOPIC | | MIN. CENTRE DISTANCE | | LENGTH | | WEIGHT | |
|---------|---------------|--------------|--------------|-----------|---------------------|----------|------------|------|----------------------|-----|--------|------|--------|------|
| | | | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | mm | in. | mm | in. | kg | lb. |
| MC51-10 | 615 165 111 0 | 1/2 | 25-70 | 18.4-51.6 | 650 | 423 | 50 | 1.97 | 51.2 | 2.0 | 366 | 14.4 | 2.9 | 6.4 |
| MC51-20 | 615 165 112 0 | 1/2 | 45-135 | 33.2-99.5 | 403 | 262 | 50 | 1.97 | 51.2 | 2.0 | 393 | 15.4 | 3.5 | 7.7 |
| MC60-10 | 615 165 113 0 | 3/4 | 30-60 | 22.1-44.2 | 923 | 600 | 50 | 1.97 | 60.2 | 2.4 | 417 | 16.4 | 4.8 | 10.6 |
| MC60-20 | 615 165 114 0 | 3/4 | 60-110 | 44.2-81.1 | 507 | 330 | 50 | 1.97 | 60.2 | 2.4 | 417 | 16.4 | 4.8 | 10.6 |
| MC60-30 | 615 165 115 0 | 3/4 | 80-190 | 59.0-140 | 299 | 195 | 50 | 1.97 | 60.2 | 2.4 | 453 | 17.8 | 5.2 | 11.5 |



고정 전동 스피들 - CVIC

MC80-10 - MC80-20 - MC80-30 - MC80-40 - MC106-10 - MC106-20
 100 ~ 1350 Nm (73.7 ~ 995 ft.lb) - 39 ~ 286 rpm



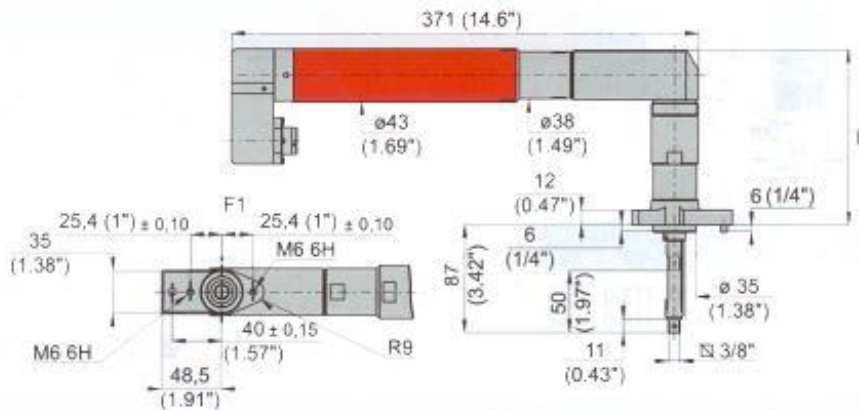
| MODEL | mm | in. | mm | in. |
|---------------------|-----|------|-----|------|
| MC80-10 - MC80-20 | 80 | 3.15 | 140 | 5.51 |
| MC80-30 - MC80-40 | 80 | 3.15 | 148 | 5.82 |
| MC106-10 - MC106-20 | 106 | 4.17 | 148 | 5.82 |

| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | TELESCOPIC | | MIN. CENTRE DISTANCE | | LENGTH | | WEIGHT | |
|----------|---------------|--------------|--------------|-----------|---------------------|----------|------------|------|----------------------|-----|--------|------|--------|------|
| | | | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | mm | in. | mm | in. | kg | lb. |
| MC80-10 | 615 165 116 0 | 3/4 | 100-195 | 73.7-144 | 286 | 186 | 60 | 2.36 | 80.2 | 3.2 | 480 | 18.9 | 9.8 | 21.6 |
| MC80-20 | 615 165 117 0 | 3/4 | 150-300 | 110.5-221 | 195 | 127 | 60 | 2.36 | 80.2 | 3.2 | 480 | 18.9 | 9.8 | 21.6 |
| MC80-30 | 615 165 118 0 | 1 | 220-420 | 162.1-309 | 130 | 85 | 60 | 2.36 | 80.2 | 3.2 | 480 | 18.9 | 9.8 | 21.6 |
| MC80-40 | 615 165 119 0 | 1 | 270-600 | 199.0-442 | 91 | 59 | 60 | 2.36 | 80.2 | 3.2 | 480 | 18.9 | 9.8 | 21.6 |
| MC106-10 | 615 165 120 0 | 1 | 500-1100 | 368.5-811 | 52 | 34 | 60 | 2.36 | 106.2 | 4.2 | 556 | 21.9 | 15.0 | 33.1 |
| MC106-20 | 615 165 121 0 | 1 | 600-1350 | 442.2-995 | 39 | 25 | 60 | 2.36 | 106.2 | 4.2 | 556 | 21.9 | 15.0 | 33.1 |

고정 전동 스피들 - CVIC

MCL38-20

15 - 45 Nm (11 - 33.2 ft.lb) - 1092 rpm

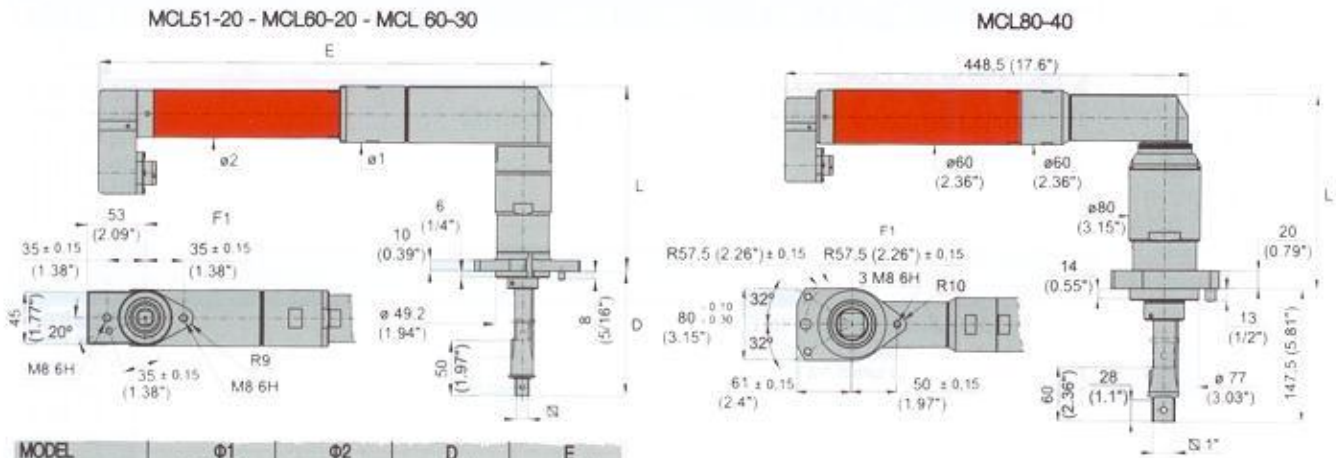


| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | TELESCOPIC | | MIN. CENTRE DISTANCE | | LENGTH | | WEIGHT | |
|----------|---------------|--------------|--------------|---------|---------------------|----------|------------|------|----------------------|-----|--------|------|--------|-----|
| | | | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | mm | in. | mm | in. | kg | lb. |
| MCL38-20 | 615 165 124 0 | 3/8 | 15-45 | 11-33.2 | 1092 | 710 | 50 | 1.97 | 43.2 | 1.7 | 140.5 | 5.53 | 3.0 | 6.6 |



고정 전동 스피들 - CVIC

MCL51-20 - MCL60-20 - MCL60-30 - MCL80-40
45 ~ 600 Nm (33.2 ~ 442 ft.lb) - 91 ~ 481 rpm

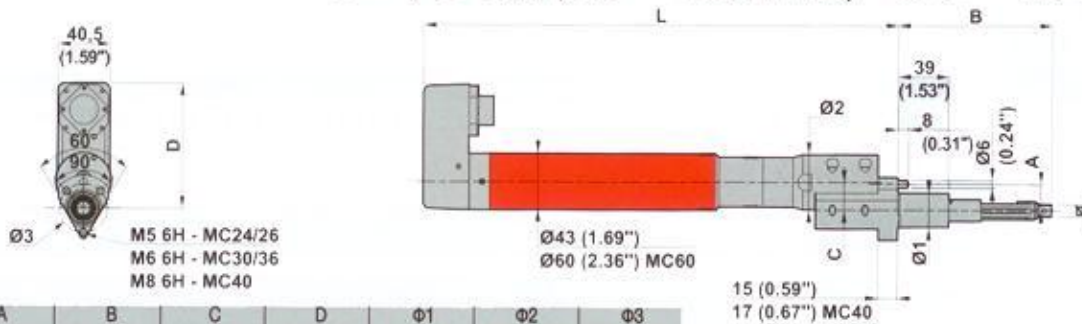


| MODEL | φ1 | φ2 | D | E |
|----------|----|------|----|------|
| | mm | in. | mm | in. |
| MCL51-20 | 51 | 2.01 | 43 | 1.69 |
| MCL60-20 | 60 | 2.36 | 60 | 2.36 |
| MCL60-30 | 60 | 2.36 | 60 | 2.36 |

| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | TELESCOPIC | | MIN. CENTRE DISTANCE | | LENGTH | | WEIGHT | |
|----------|---------------|--------------|--------------|-----------|---------------------|-----------|------------|------|----------------------|-----|--------|------|--------|------|
| | | | in. | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | mm | in. | mm | in. | kg |
| MCL51-20 | 615 165 125 0 | 1/8" | 45-135 | 33.2-99.5 | 403 | 262 | 50 | 1.97 | 51.2 | 2.0 | 166 | 6.5 | 4 | 8.8 |
| MCL60-20 | 615 165 126 0 | 3/16" | 60-110 | 44.2-81.1 | 481 | 313 | 50 | 1.97 | 60.2 | 2.4 | 178 | 7.0 | 6 | 13.2 |
| MCL60-30 | 615 165 127 0 | 1/4" | 80-190 | 58.9-140 | 312 | 203 | 50 | 1.97 | 60.2 | 2.4 | 178 | 7.0 | 6 | 13.2 |
| MCL80-40 | 615 165 128 0 | 1" | 270-600 | 199-442 | 91 | 59 | 60 | 2.4 | 80.2 | 3.2 | 241 | 9.49 | 11 | 24.2 |

오프셋 엔드를 갖는 고정 전동 스피들 - CVIC

MC24-20 OF - MC26-50 OF - MC30-80 OF - MC36-140 OF - MC40-115 OF
8 ~ 140 Nm (5.9 ~ 103.2 ft.lb) - 375 ~ 1225 rpm



| MODEL | A | B | C | D | φ1 | φ2 | φ3 |
|----------|----|------|--------|------|-------|------|-------|
| | mm | in. | mm | in. | mm | in. | mm |
| MC24-20 | 18 | 0.71 | 118.15 | 4.65 | 18.05 | 0.71 | 92.0 |
| MC26-50 | 20 | 0.79 | 117.9 | 4.64 | 21.15 | 0.83 | 95.1 |
| MC30-80 | 25 | 0.98 | 140.4 | 5.53 | 23.95 | 0.94 | 97.9 |
| MC36-140 | 25 | 0.98 | 142.9 | 5.63 | 29.5 | 1.16 | 103.5 |
| MC40-115 | 30 | 1.18 | 161.9 | 6.37 | 34.0 | 1.34 | 108.0 |

| MODEL | PART NUMBER | SQUARE DRIVE | TORQUE RANGE | | ROTATIONAL SPEED AT | | TELESCOPIC | | MIN. CENTRE DISTANCE | | LENGTH | | WEIGHT | |
|-------------|---------------|--------------|--------------|------------|---------------------|-----------|------------|------|----------------------|------|--------|-------|--------|------|
| | | | in. | Nm | ft.lb | rpm/230 V | rpm/110V | mm | in. | mm | in. | mm | in. | kg |
| MC24-20 OF | 615 165 281 0 | 3/16" | 8-20 | 5.9-14.7 | 1225 | 795 | 50 | 1.97 | 24 | 0.95 | 349.2 | 13.75 | 2.7 | 5.9 |
| MC26-50 OF | 615 165 282 0 | 1/4" | 15-50 | 11.0-36.8 | 985 | 640 | 50 | 1.97 | 26 | 1.02 | 362.2 | 14.26 | 2.7 | 5.9 |
| MC30-80 OF | 615 165 283 0 | 1/2" | 28-80 | 20.6-59.0 | 580 | 375 | 50 | 1.97 | 30 | 1.18 | 388.3 | 15.29 | 3.9 | 8.6 |
| MC36-140 OF | 615 165 284 0 | 1" | 50-140 | 36.8-103.2 | 375 | 245 | 50 | 1.97 | 36 | 1.42 | 426.4 | 16.78 | 4.7 | 10.4 |
| MC40-115 OF | 615 165 285 0 | 3/4" | 65-115 | 47.9-84.8 | 475 | 310 | 50 | 1.97 | 40 | 1.57 | 449.7 | 17.70 | 6.4 | 14.1 |

