

**CRM-FO**

10-100 ton
Stroke 50-160 mm
700 bar

CRM-FO
Series**Hollow, single-acting
cylinders with spring return**

**Cylinders for tensioning operations,
maintenance and testing**

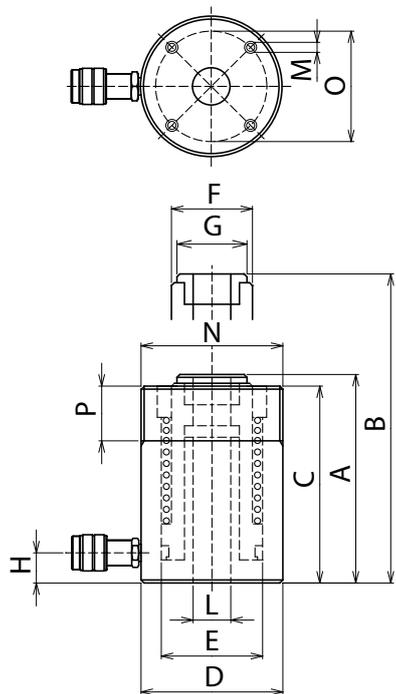


- Cylinders with a hollow center.
- Designed for cable tensioning operations, positioning bars in tensile structures, pulley assembly and disassembly, and cable and tie rod pulling tests.
- Spring-actuated return.
- The stop ring not only guarantees maximum operator safety, preventing plunger over-stroke, but also outstanding eccentric load absorption.
- The wiper reduces contamination between ring and rod.
- Hollow, high-strength, splined removable head.
- Base with threaded holes to fasten the cylinder in any position.
- Models weighing more than 20 kg are equipped with a handle or lifting eyebolts to make them easier to carry.

**SPECIAL CYLINDERS
ON REQUEST**



Hollow, single-acting cylinder with safety ring CRM 60/260 GS for bridge launching operations.



CRM-FO



HEADS AND ACCESSORIES

A wide range of threaded or flat push heads, connectors and anchor plates based on customer specifications is also available. See the CYLINDER ACCESSORIES page.

| CAP/Force ton (kN) | STROKE mm | MODEL | SECTION cm ² | VOLUME cm ³ | WEIGHT kg | DIMENSIONS in mm | | | | | | | | | | | | |
|-----------------------|--------------|---------------|----------------------------|---------------------------|--------------|------------------|-----|-----|-----|-----|-----|-----|----|------|-------|--------|-----|----|
| | | | | | | A | B | C | D | E | F | G | H | L | M | N | O | P |
| 10 /115.4 | 50 | CRM-10/50-FO | 16.5 | 83 | 3.7 | 143 | 193 | 131 | 74 | 54 | 40 | 38 | 24 | 19.5 | 2xM8 | M74x2 | 40 | 20 |
| | 80 | CRM-10/80-FO | 16.5 | 132 | 4.7 | 191 | 271 | 179 | 74 | 54 | 40 | 38 | 24 | 19.5 | 2xM8 | M74x2 | 40 | 20 |
| 20 /238.2 | 50 | CRM-20/50-FO | 34 | 171 | 7.7 | 160 | 210 | 148 | 100 | 76 | 56 | 54 | 24 | 27.3 | 2xM8 | M100x2 | 55 | 20 |
| | 100 | CRM-20/100-FO | 34 | 341 | 11.8 | 248 | 348 | 236 | 100 | 76 | 56 | 54 | 24 | 27.3 | 2xM8 | M100x2 | 55 | 20 |
| | 160 | CRM-20/160-FO | 34 | 545 | 16.3 | 347 | 507 | 335 | 100 | 76 | 56 | 54 | 24 | 27.3 | 2xM8 | M100x2 | 55 | 20 |
| 30 /295.3 | 50 | CRM-30/50-FO | 42.2 | 211 | 11.3 | 177 | 227 | 165 | 115 | 86 | 63 | 61 | 27 | 33.5 | 2xM10 | M115x2 | 65 | 20 |
| | 100 | CRM-30/100-FO | 42.2 | 422 | 16.8 | 267 | 367 | 255 | 115 | 86 | 63 | 61 | 27 | 33.5 | 2xM10 | M115x2 | 65 | 20 |
| | 150 | CRM-30/150-FO | 42.2 | 633 | 22.8 | 363 | 513 | 351 | 115 | 86 | 63 | 61 | 27 | 33.5 | 2xM10 | M115x2 | 65 | 20 |
| 60 /589.6 | 75 | CRM-60/75-FO | 84.2 | 632 | 30 | 262 | 337 | 250 | 160 | 125 | 90 | 90 | 30 | 54.5 | 2xM12 | M160x4 | 130 | 35 |
| | 150 | CRM-60/150-FO | 84.2 | 1264 | 37 | 337 | 487 | 325 | 160 | 125 | 90 | 90 | 30 | 54.5 | 2xM12 | M160x4 | 130 | 35 |
| 100 /947 | 75 | CRM-100/75-FO | 135,3 | 1015 | 55 | 267 | 342 | 255 | 215 | 165 | 125 | 125 | 38 | 80,5 | 4xM12 | M215x4 | 175 | 45 |

Cylinders with higher tonnage and different strokes are also available.