

# EASYRAM<sup>®</sup>

MOTUS' STANDARD CYLINDER SOLUTION



REVISION I

# ABOUT MOTUS

Since 1963, Hustler has supplied the muscle to New Zealand's equipment industry through the manufacture of custom and off-the-shelf hydraulic cylinders.

The name is new, but MOTUS rams are still made in New Zealand to the same unrelenting standards, by the same people whose deep understanding of hydraulic equipment has been developed during years of service to agriculture.

## 1 UNIQUE NUMBERING

MOTUS rams can be matched to any Hustler ram sold during the last 20 years. Reordering is easy, because every ram is stamped with its own number, tracked right through the manufacturing process and linked to an exact specification on our database.

## 2 FOUR-STAGE CLEANING PROCESS

At MOTUS Hydraulics cleanliness is a very high priority. Each ram is cleaned inside and out four times, ensuring no contamination will be found inside a MOTUS ram once it leaves the factory.

## 3 COMPONENT PRECISION

MOTUS insist on absolute component precision for a consistent and reliable product. We've installed our own CNC equipment to ensure that you get the most reliable ram with every order.

## 4 WELDING QUALITY

Welding quality is critical on a hydraulic cylinder. Purpose-built equipment and top operators combine to produce welds that will stand any inspection. Beautifully smooth and even welds come standard with every MOTUS cylinder.

## 5 PRECISION RAM-BUILDING EQUIPMENT

Our purpose-built machinery enables MOTUS to produce rams efficiently, whether a one-off ram or a large production run. OEMs no longer need to hold large stocks of cylinders, we can promptly supply as required.

## 6 INDIVIDUAL LEAK TESTING

Every MOTUS ram is individually tested for leaks in our custom designed assembly and testing facility, ensuring absolute peace of mind.

## 7 2-YEAR GUARANTEE

Every ram MOTUS produces, whether one-off or production run, is individually tested for leaks in our custom designed assembly unit.





# RAMS YOU CAN RELY ON

## Inside a MOTUS ram

MOTUS rams feature the same ram technology that has been proven for more than 20 years by Hustler.

WRC (wire retaining clip) Series cylinders feature a unique and highly effective threadless head retaining design - a round stainless steel wire retainer. This makes design MOTUS rams very quick and easy to assemble and service if necessary.

The result is an extremely compact design that still gives maximum stroke. The WRC Series head is fully floating, completely concentric in the bore and not subject to slight thread eccentricities. It will not unwind, rotate loose or seize up. The tube is full thickness throughout, giving it high mechanical strength. High mechanical strength; rated to 3000PSI operating pressure.

Our WRC technology has been used for many diverse applications and featured on a variety of equipment exported to many countries - you won't buy better!

## TRACE NUMBER

This number is stamped into the barrel. Quoting this number enables build detail traceability.

## PORTS

Ports are fully machined from solid bar for heavy-duty durability.

## HEAD

Centrifugally cast, close-grained cast iron, giving maximum bearing surface in minimum length. Accurate sizing and close tolerance for maximum and consistent seal life.

## BARREL

Hydraulic cylinder tubing. Very high quality internal bore finish for maximum seal life and minimum leakage.

## PISTON

STANDARD: 2" - 4" steel one piece piston, internally threaded for high strength.

COMPACT DESIGN: 5" - 6" steel two piece piston.

## SEALS

PISTON SEALS 2" - 6" rams: heavy-duty unit seal with anti-extrusion rings and wear rings. No metal-to-metal contact.

PISTON SEALS 1.5" rams: crown seal and wear ring, WR style.

SHAFT SEAL: heavy-duty polyurethane pressure seal for long life.

HEAD: Static sealing O-ring with contoured face back-up ring.

WIPER: heavy-duty polyurethane wiper scraper.

## SHAFT

Manufactured from medium carbon steel, precision ground. Hard chrome plated and polished to give maximum seal life and good corrosion resistance.





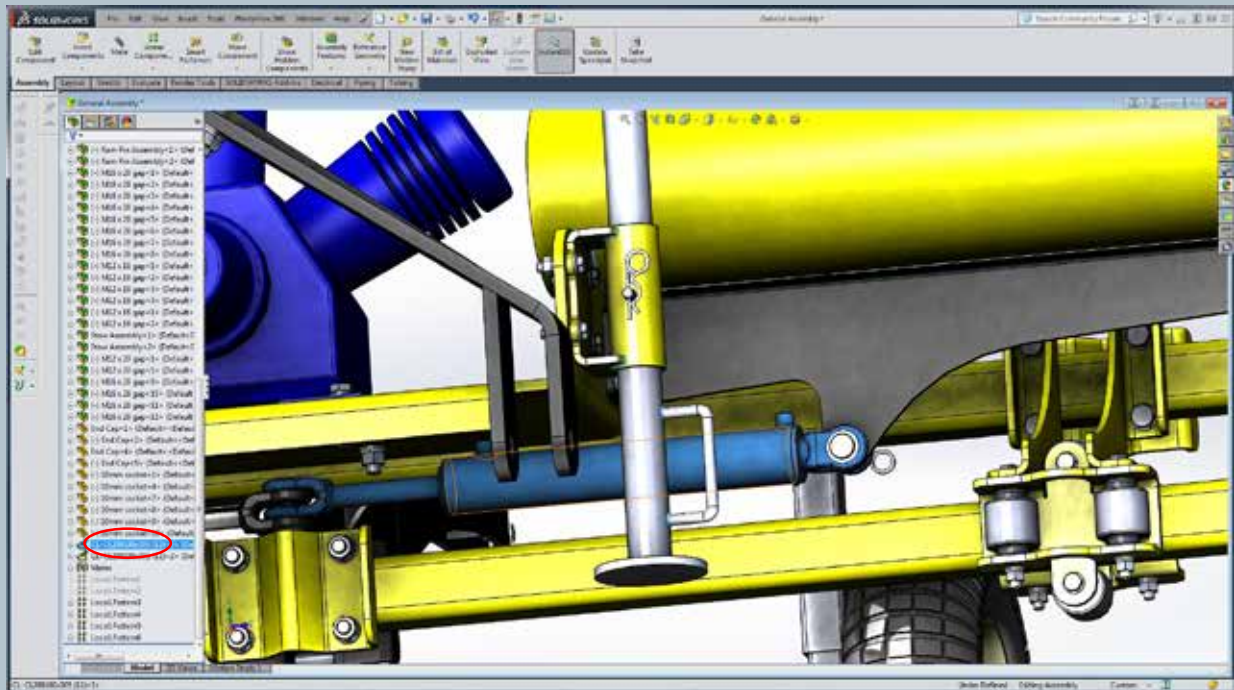
# IT'S THAT EASY.

CAD models and PDF's are available from our website

Go to [shop.motushydraulics.co.nz/collections/standard-rams](http://shop.motushydraulics.co.nz/collections/standard-rams), remember to save as a favourite or scan the QR code >

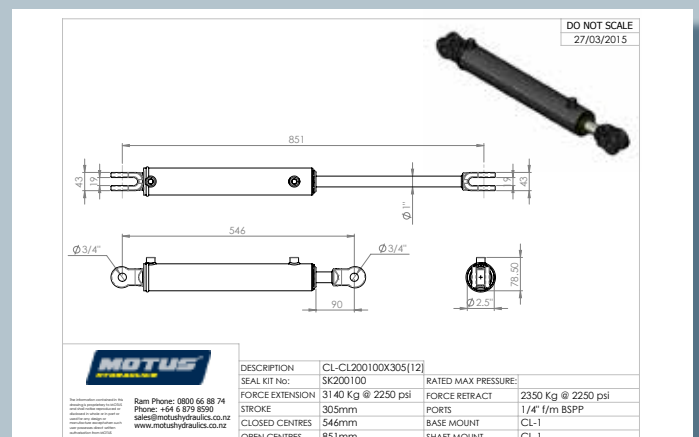
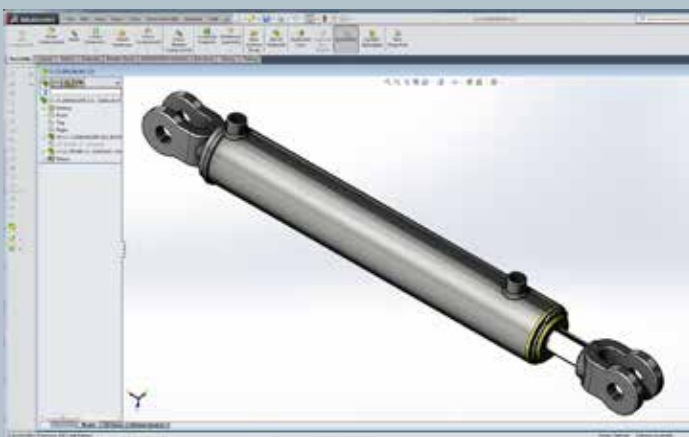


Download and insert into your working CAD model and watch your machine come to life with functioning open and closed centres.



Online CAD model download

Online PDF download



# EASYRAM®

## Quick, Easy and Affordable. Motus' Standard Cylinder Solution.

"EASYRAM is the perfect fit when you're creating or modifying a piece of equipment and need a ram in a hurry".

### EasyRam includes;

- » Heavy duty double-acting design 0-3000 PSI continuous operating pressure
- » 2 Year warranty
- » Designed and made in New Zealand
- » Motus' proven WRC head retainer
- » Huge selection, 4 styles and more than 156 sizes to choose from
- » Order 10 EasyRams to qualify for FREE freight

## 4 STYLES, 156 SIZES



**1 SB-C: SOLID BASE-COLLAR**



**2 CL: CLEVIS-CLEVIS**



**3 T-C: TONGUE-COLLAR**



**4 BL: BLANK W/ NO MOUNTS**

## Can't find the right EasyRam?

### TRY OUR UNIQUE RAMBUILDER SERVICE.

Our most popular range, with more options than EASYRAM®, RAMBUILDER® allows you to customise a 'standard' ram to fit YOUR requirements.

Select the bore, shaft and stroke you want. Add the base end and shaft end from our extensive range and specify the ports.

See page 14 or visit [motushydraulics.co.nz/rambuilder](http://motushydraulics.co.nz/rambuilder) for more information.

### AGRAM™

Cylinder's specially developed for specific agricultural applications and available **ex stock**.

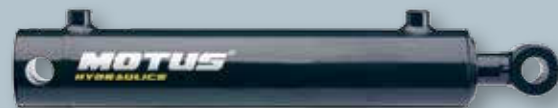
- Sprayboom Rams • Front End Loader Crowd Rams • Logsplitters Rams • SAE style Rams • Toplink Rams

### RAMPART™

We also have a wide range of parts and accessories including hydraulic tube, ports, flanges and pins. Simply choose the parts and make it yourself.

# EASYRAM® SB-C

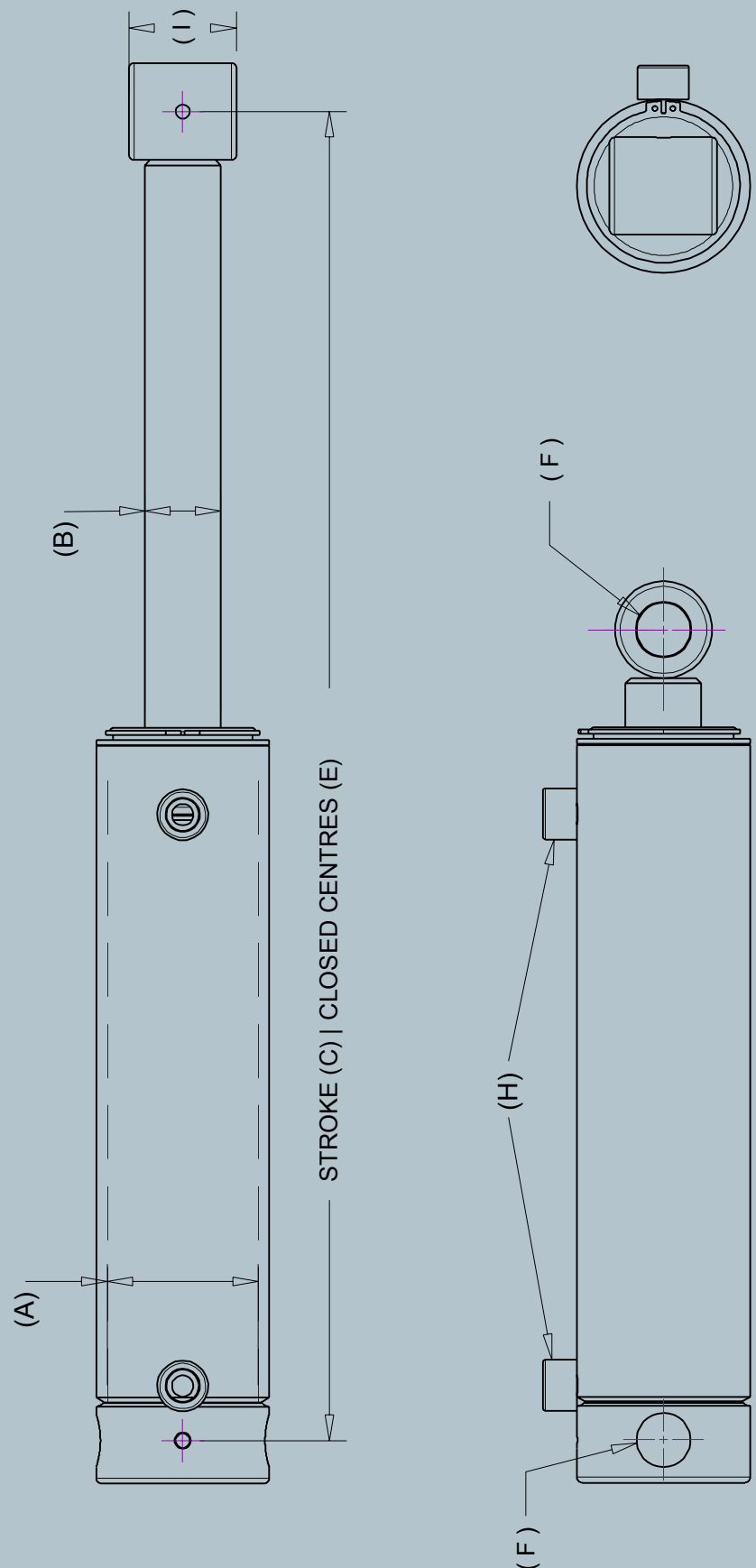
(SOLID BASE - COLLAR)



| Description          | Bore size (inch)<br>(A) | Shaft size (inch)<br>(B) | Stroke (inch)<br>(C) | Stroke (mm)<br>(C) | Closed Centre (mm)<br>(E) | Open Centre (mm) | Base Pin Size (inch)<br>(F) | Collar Pin Size (inch)<br>(F) | Collar size (inch x inch x mm) | Port sizes<br>(H) |
|----------------------|-------------------------|--------------------------|----------------------|--------------------|---------------------------|------------------|-----------------------------|-------------------------------|--------------------------------|-------------------|
| SB-C150075x102 (4")  | 1.5                     | 0.75                     | 4                    | 102                | 218                       | 320              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C150075x152 (6")  | 1.5                     | 0.75                     | 6                    | 152                | 268                       | 420              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C150075x203 (8")  | 1.5                     | 0.75                     | 8                    | 203                | 319                       | 522              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C150075x254 (10") | 1.5                     | 0.75                     | 10                   | 254                | 370                       | 624              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C150075x305 (12") | 1.5                     | 0.75                     | 12                   | 305                | 421                       | 726              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C200100x152 (6")  | 2                       | 1                        | 6                    | 152                | 291                       | 443              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C200100x203 (8")  | 2                       | 1                        | 8                    | 203                | 342                       | 545              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C200100x254 (10") | 2                       | 1                        | 10                   | 254                | 393                       | 647              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C200100x305 (12") | 2                       | 1                        | 12                   | 305                | 444                       | 749              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C200100x355 (14") | 2                       | 1                        | 14                   | 355                | 494                       | 849              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C200100x406 (16") | 2                       | 1                        | 16                   | 406                | 545                       | 951              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C200100x457 (18") | 2                       | 1                        | 18                   | 457                | 596                       | 1053             | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| SB-C250150x152 (6")  | 2.5                     | 1.5                      | 6                    | 152                | 303                       | 455              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x203 (8")  | 2.5                     | 1.5                      | 8                    | 203                | 354                       | 557              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x254 (10") | 2.5                     | 1.5                      | 10                   | 254                | 405                       | 659              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x305 (12") | 2.5                     | 1.5                      | 12                   | 305                | 456                       | 761              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x355 (14") | 2.5                     | 1.5                      | 14                   | 355                | 506                       | 861              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x406 (16") | 2.5                     | 1.5                      | 16                   | 406                | 557                       | 963              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x457 (18") | 2.5                     | 1.5                      | 18                   | 457                | 608                       | 1065             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x508 (20") | 2.5                     | 1.5                      | 20                   | 508                | 659                       | 1167             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C250150x610 (24") | 2.5                     | 1.5                      | 24                   | 610                | 761                       | 1371             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x152 (6")  | 3                       | 1.5                      | 6                    | 152                | 310                       | 462              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x203 (8")  | 3                       | 1.5                      | 8                    | 203                | 361                       | 564              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x254 (10") | 3                       | 1.5                      | 10                   | 254                | 412                       | 666              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x305 (12") | 3                       | 1.5                      | 12                   | 305                | 463                       | 768              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x355 (14") | 3                       | 1.5                      | 14                   | 355                | 513                       | 868              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x406 (16") | 3                       | 1.5                      | 16                   | 406                | 564                       | 970              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x457 (18") | 3                       | 1.5                      | 18                   | 457                | 615                       | 1072             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x508 (20") | 3                       | 1.5                      | 20                   | 508                | 666                       | 1174             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C300150x610 (24") | 3                       | 1.5                      | 24                   | 610                | 768                       | 1378             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| SB-C350175x254 (10") | 3.5                     | 1.75                     | 10                   | 254                | 435                       | 689              | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x305 (12") | 3.5                     | 1.75                     | 12                   | 305                | 486                       | 791              | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x355 (14") | 3.5                     | 1.75                     | 14                   | 355                | 536                       | 891              | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x406 (16") | 3.5                     | 1.75                     | 16                   | 406                | 587                       | 993              | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x457 (18") | 3.5                     | 1.75                     | 18                   | 457                | 638                       | 1095             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x508 (20") | 3.5                     | 1.75                     | 20                   | 508                | 689                       | 1197             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x610 (24") | 3.5                     | 1.75                     | 24                   | 610                | 791                       | 1401             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x762 (30") | 3.5                     | 1.75                     | 30                   | 762                | 943                       | 1705             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| SB-C350175x914 (36") | 3.5                     | 1.75                     | 36                   | 914                | 1095                      | 2009             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |

Can't find the right  
EasyRam? See page  
14 for RamBuilder

| Seal Kit Number | Force Extension @2250 psi | Force Retract @2250 psi | Dimension (I) |
|-----------------|---------------------------|-------------------------|---------------|
| SK150075        | 1.76 ton                  | 1.32 ton                | 25            |
| SK150075        | 1.76 ton                  | 1.32 ton                | 25            |
| SK150075        | 1.76 ton                  | 1.32 ton                | 25            |
| SK150075        | 1.76 ton                  | 1.32 ton                | 25            |
| SK150075        | 1.76 ton                  | 1.32 ton                | 25            |
| SK200100        | 3.14 ton                  | 2.35 ton                | 25            |
| SK200100        | 3.14 ton                  | 2.35 ton                | 25            |
| SK200100        | 3.14 ton                  | 2.35 ton                | 25            |
| SK200100        | 3.14 ton                  | 2.35 ton                | 25            |
| SK200100        | 3.14 ton                  | 2.35 ton                | 25            |
| SK200100        | 3.14 ton                  | 2.35 ton                | 25            |
| SK200100        | 3.14 ton                  | 2.35 ton                | 25            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK250150        | 4.90 ton                  | 3.14 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK300150        | 7.06 ton                  | 5.30 ton                | 50            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |
| SK350175        | 9.62 ton                  | 7.21 ton                | 63            |



# EASYRAM® CL

(CLEVIS - CLEVIS)

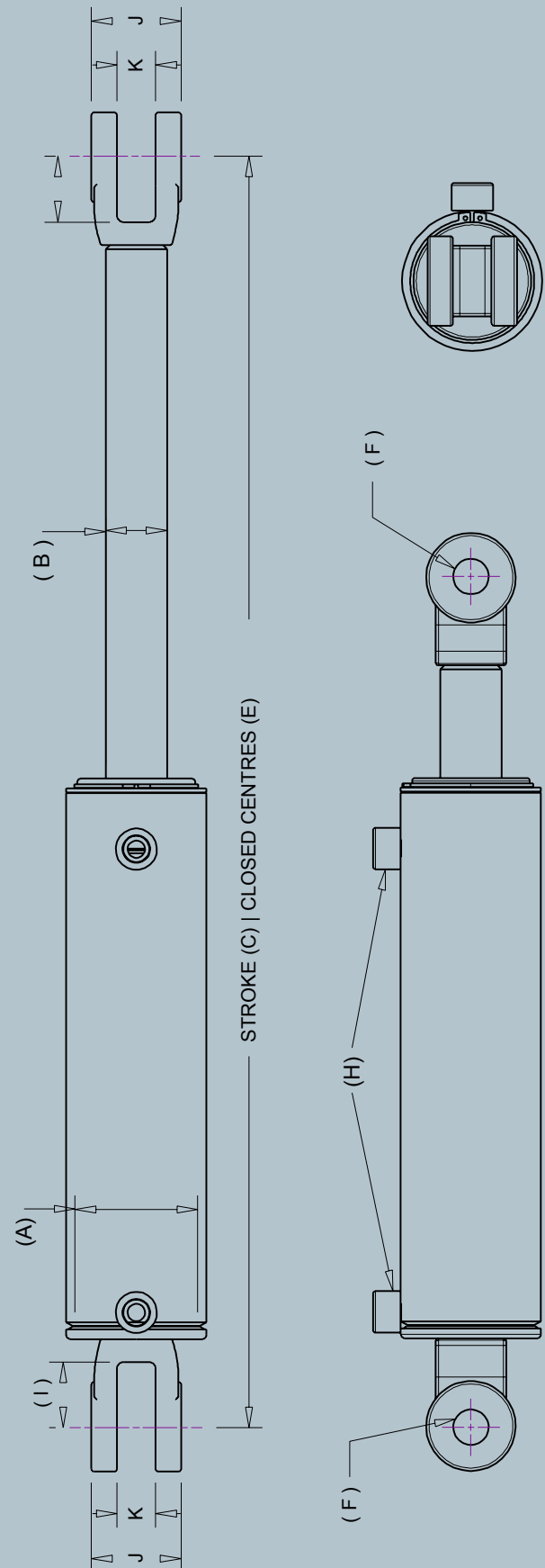


| Description           | Bore size (inch) | Shaft size (inch) | Stroke (inch) | Stroke (mm) | Closed Centre (mm) | Open Centre (mm) | Base Pin Size (inch) | Collar Pin Size (inch) | Collar size (code - see Rampedia) | Port sizes    |
|-----------------------|------------------|-------------------|---------------|-------------|--------------------|------------------|----------------------|------------------------|-----------------------------------|---------------|
|                       | (A)              | (B)               | (C)           | (C)         | (E)                |                  | (F)                  | (F)                    |                                   | (H)           |
| CL-CL150075x102 (4")  | 1.5              | 0.75              | 4             | 102         | 343                | 445              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL150075x152 (6")  | 1.5              | 0.75              | 6             | 152         | 393                | 545              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL150075x203 (8")  | 1.5              | 0.75              | 8             | 203         | 444                | 647              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL150075x254 (10") | 1.5              | 0.75              | 10            | 254         | 495                | 749              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL150075x305 (12") | 1.5              | 0.75              | 12            | 305         | 546                | 851              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL200100x152 (6")  | 2                | 1                 | 6             | 152         | 393                | 545              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL200100x203 (8")  | 2                | 1                 | 8             | 203         | 444                | 647              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL200100x254 (10") | 2                | 1                 | 10            | 254         | 495                | 749              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL200100x305 (12") | 2                | 1                 | 12            | 305         | 546                | 851              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL200100x355 (14") | 2                | 1                 | 14            | 355         | 596                | 951              | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL200100x406 (16") | 2                | 1                 | 16            | 406         | 647                | 1053             | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL200100x457 (18") | 2                | 1                 | 18            | 457         | 698                | 1155             | 0.75                 | 0.75                   | CL-1 / CL-1                       | 1/4" f/m BSPP |
| CL-CL250150x152 (6")  | 2.5              | 1.5               | 6             | 152         | 463                | 615              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x203 (8")  | 2.5              | 1.5               | 8             | 203         | 514                | 717              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x254 (10") | 2.5              | 1.5               | 10            | 254         | 565                | 819              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x305 (12") | 2.5              | 1.5               | 12            | 305         | 616                | 921              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x355 (14") | 2.5              | 1.5               | 14            | 355         | 666                | 1021             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x406 (16") | 2.5              | 1.5               | 16            | 406         | 717                | 1123             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x457 (18") | 2.5              | 1.5               | 18            | 457         | 768                | 1225             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x508 (20") | 2.5              | 1.5               | 20            | 508         | 819                | 1327             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL250150x610 (24") | 2.5              | 1.5               | 24            | 610         | 921                | 1531             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x152 (6")  | 3                | 1.5               | 6             | 152         | 463                | 615              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x203 (8")  | 3                | 1.5               | 8             | 203         | 514                | 717              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x254 (10") | 3                | 1.5               | 10            | 254         | 565                | 819              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x305 (12") | 3                | 1.5               | 12            | 305         | 616                | 921              | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x355 (14") | 3                | 1.5               | 14            | 355         | 666                | 1021             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x406 (16") | 3                | 1.5               | 16            | 406         | 717                | 1123             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x457 (18") | 3                | 1.5               | 18            | 457         | 768                | 1225             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x508 (20") | 3                | 1.5               | 20            | 508         | 819                | 1327             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL300150x610 (24") | 3                | 1.5               | 24            | 610         | 921                | 1531             | 1                    | 1                      | CL-10 / CL-10                     | 3/8" f/m BSPP |
| CL-CL350175x254 (10") | 3.5              | 1.75              | 10            | 254         | 565                | 819              | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x305 (12") | 3.5              | 1.75              | 12            | 305         | 616                | 921              | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x355 (14") | 3.5              | 1.75              | 14            | 355         | 666                | 1021             | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x406 (16") | 3.5              | 1.75              | 16            | 406         | 717                | 1123             | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x457 (18") | 3.5              | 1.75              | 18            | 457         | 768                | 1225             | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x508 (20") | 3.5              | 1.75              | 20            | 508         | 819                | 1327             | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x610 (24") | 3.5              | 1.75              | 24            | 610         | 921                | 1531             | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x762 (30") | 3.5              | 1.75              | 30            | 762         | 1073               | 1835             | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |
| CL-CL350175x914 (36") | 3.5              | 1.75              | 36            | 914         | 1225               | 2139             | 1                    | 1                      | CL-10 / CL-10                     | 1/2" f/m BSPP |



Can't find the right  
EasyRam? See page  
14 for RamBuilder.

| Seal Kit<br>Number | Force<br>Extension<br>@2250 psi | Force<br>Retract<br>@2250 psi | Dimen-<br>sion<br>(I) | Dimen-<br>sion<br>(J) | Dimen-<br>sion<br>(K) |
|--------------------|---------------------------------|-------------------------------|-----------------------|-----------------------|-----------------------|
| SK150075           | 1.76 ton                        | 1.32 ton                      | 37                    | 43                    | 19                    |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 37                    | 43                    | 19                    |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 37                    | 43                    | 19                    |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 37                    | 43                    | 19                    |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 37                    | 43                    | 19                    |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 37                    | 43                    | 19                    |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 37                    | 43                    | 19                    |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 37                    | 43                    | 19                    |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 37                    | 43                    | 19                    |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 37                    | 43                    | 19                    |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 37                    | 43                    | 19                    |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 37                    | 43                    | 19                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 47                    | 64                    | 28                    |



# EASYRAM® T-C

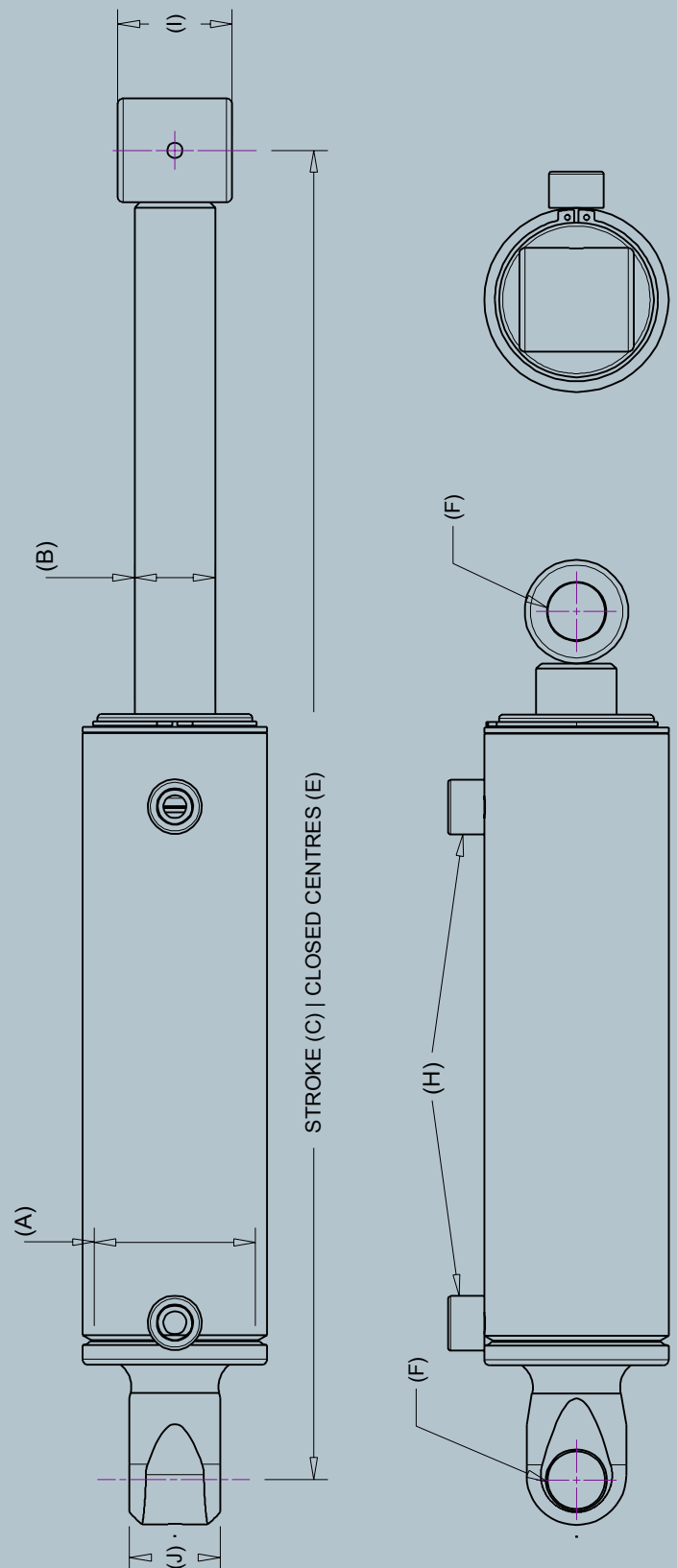
(TONGUE - COLLAR)



| Description         | Bore size (inch)<br>(A) | Shaft size (inch)<br>(B) | Stroke (inch)<br>(C) | Stroke (mm)<br>(C) | Closed Centre (mm)<br>(E) | Open Centre (mm) | Base Pin Size (inch)<br>(F) | Collar Pin Size (inch)<br>(F) | Collar size (inch x inch x mm) | Port sizes<br>(H) |
|---------------------|-------------------------|--------------------------|----------------------|--------------------|---------------------------|------------------|-----------------------------|-------------------------------|--------------------------------|-------------------|
| T-C150075x102 (4")  | 1.5                     | 0.75                     | 4                    | 102                | 251                       | 353              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| T-C150075x152 (6")  | 1.5                     | 0.75                     | 6                    | 152                | 301                       | 453              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| T-C150075x203 (8")  | 1.5                     | 0.75                     | 8                    | 203                | 352                       | 555              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| T-C150075x254 (10") | 1.5                     | 0.75                     | 10                   | 254                | 403                       | 657              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| T-C150075x305 (12") | 1.5                     | 0.75                     | 12                   | 305                | 454                       | 759              | 0.75                        | 0.75                          | 1.5 x 0.75 x 25mm              | 1/4" f/m BSPP     |
| T-C200100x152 (6")  | 2                       | 1                        | 6                    | 152                | 334                       | 486              | 0.75                        | 0.75                          | 1.5 x 0.75 x 32mm              | 1/4" f/m BSPP     |
| T-C200100x203 (8")  | 2                       | 1                        | 8                    | 203                | 385                       | 588              | 0.75                        | 0.75                          | 1.5 x 0.75 x 32mm              | 1/4" f/m BSPP     |
| T-C200100x254 (10") | 2                       | 1                        | 10                   | 254                | 436                       | 690              | 0.75                        | 0.75                          | 1.5 x 0.75 x 32mm              | 1/4" f/m BSPP     |
| T-C200100x305 (12") | 2                       | 1                        | 12                   | 305                | 487                       | 792              | 0.75                        | 0.75                          | 1.5 x 0.75 x 32mm              | 1/4" f/m BSPP     |
| T-C200100x355 (14") | 2                       | 1                        | 14                   | 355                | 537                       | 892              | 0.75                        | 0.75                          | 1.5 x 0.75 x 32mm              | 1/4" f/m BSPP     |
| T-C200100x406 (16") | 2                       | 1                        | 16                   | 406                | 588                       | 994              | 0.75                        | 0.75                          | 1.5 x 0.75 x 32mm              | 1/4" f/m BSPP     |
| T-C200100x457 (18") | 2                       | 1                        | 18                   | 457                | 639                       | 1096             | 0.75                        | 0.75                          | 1.5 x 0.75 x 32mm              | 1/4" f/m BSPP     |
| T-C250150x152 (6")  | 2.5                     | 1.5                      | 6                    | 152                | 340                       | 492              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x203 (8")  | 2.5                     | 1.5                      | 8                    | 203                | 391                       | 594              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x254 (10") | 2.5                     | 1.5                      | 10                   | 254                | 442                       | 696              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x305 (12") | 2.5                     | 1.5                      | 12                   | 305                | 493                       | 798              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x355 (14") | 2.5                     | 1.5                      | 14                   | 355                | 543                       | 898              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x406 (16") | 2.5                     | 1.5                      | 16                   | 406                | 594                       | 1000             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x457 (18") | 2.5                     | 1.5                      | 18                   | 457                | 645                       | 1102             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x508 (20") | 2.5                     | 1.5                      | 20                   | 508                | 696                       | 1204             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C250150x610 (24") | 2.5                     | 1.5                      | 24                   | 610                | 798                       | 1408             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x152 (6")  | 3                       | 1.5                      | 6                    | 152                | 347                       | 499              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x203 (8")  | 3                       | 1.5                      | 8                    | 203                | 398                       | 601              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x254 (10") | 3                       | 1.5                      | 10                   | 254                | 449                       | 703              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x305 (12") | 3                       | 1.5                      | 12                   | 305                | 500                       | 805              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x355 (14") | 3                       | 1.5                      | 14                   | 355                | 550                       | 905              | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x406 (16") | 3                       | 1.5                      | 16                   | 406                | 601                       | 1007             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x457 (18") | 3                       | 1.5                      | 18                   | 457                | 652                       | 1109             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x508 (20") | 3                       | 1.5                      | 20                   | 508                | 703                       | 1211             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C300150x610 (24") | 3                       | 1.5                      | 24                   | 610                | 805                       | 1415             | 1                           | 1                             | 2 x 1 x 50mm                   | 3/8" f/m BSPP     |
| T-C350175x254 (10") | 3.5                     | 1.75                     | 10                   | 254                | 479                       | 733              | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x305 (12") | 3.5                     | 1.75                     | 12                   | 305                | 530                       | 835              | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x355 (14") | 3.5                     | 1.75                     | 14                   | 355                | 580                       | 935              | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x406 (16") | 3.5                     | 1.75                     | 16                   | 406                | 631                       | 1037             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x457 (18") | 3.5                     | 1.75                     | 18                   | 457                | 682                       | 1139             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x508 (20") | 3.5                     | 1.75                     | 20                   | 508                | 733                       | 1241             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x610 (24") | 3.5                     | 1.75                     | 24                   | 610                | 835                       | 1445             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x762 (30") | 3.5                     | 1.75                     | 30                   | 762                | 987                       | 1749             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |
| T-C350175x914 (36") | 3.5                     | 1.75                     | 36                   | 914                | 1139                      | 2053             | 1.25                        | 1.25                          | 2.25 x 1.25 x 63mm             | 1/2" f/m BSPP     |

Can't find the right  
EasyRam? See page  
14 for RamBuilder.

| Seal Kit<br>Number | Force<br>Extension<br>@2250 psi | Force<br>Retract<br>@2250 psi | Dimen-<br>sion<br><br>(I) | Dimen-<br>sion<br><br>(J) |
|--------------------|---------------------------------|-------------------------------|---------------------------|---------------------------|
| SK150075           | 1.76 ton                        | 1.32 ton                      | 25                        | 25                        |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 25                        | 25                        |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 25                        | 25                        |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 25                        | 25                        |
| SK150075           | 1.76 ton                        | 1.32 ton                      | 25                        | 25                        |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 25                        | 25                        |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 25                        | 25                        |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 25                        | 25                        |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 25                        | 25                        |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 25                        | 25                        |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 25                        | 25                        |
| SK200100           | 3.14 ton                        | 2.35 ton                      | 25                        | 25                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK250150           | 4.90 ton                        | 3.14 ton                      | 50                        | 32                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK300150           | 7.06 ton                        | 5.30 ton                      | 50                        | 40                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |
| SK350175           | 9.62 ton                        | 7.21 ton                      | 63                        | 50                        |



# EASYRAM® BL

(BLANK - WITH NO MOUNTS)



| Description        | Bore size<br>(inch) | Shaft<br>size<br>(inch) | Stroke<br>(inch) | Stroke<br>(mm) | Closed<br>Centre<br>(mm) | Open<br>Centre<br>(mm) | Port sizes    | Seal Kit<br>Number | Force<br>Extension<br>@2250 psi | Force<br>Retract<br>@2250 psi |
|--------------------|---------------------|-------------------------|------------------|----------------|--------------------------|------------------------|---------------|--------------------|---------------------------------|-------------------------------|
|                    | (A)                 | (B)                     | (C)              | (C)            | (E)                      |                        | (H)           |                    |                                 |                               |
| BL150075x102 (4")  | 1.5                 | 0.75                    | 4                | 102            | 230                      | 332                    | 1/4" f/m BSPP | SK150075           | 1.76 ton                        | 1.32 ton                      |
| BL150075x152 (6")  | 1.5                 | 0.75                    | 6                | 152            | 280                      | 432                    | 1/4" f/m BSPP | SK150075           | 1.76 ton                        | 1.32 ton                      |
| BL150075x203 (8")  | 1.5                 | 0.75                    | 8                | 203            | 331                      | 534                    | 1/4" f/m BSPP | SK150075           | 1.76 ton                        | 1.32 ton                      |
| BL150075x254 (10") | 1.5                 | 0.75                    | 10               | 254            | 382                      | 636                    | 1/4" f/m BSPP | SK150075           | 1.76 ton                        | 1.32 ton                      |
| BL150075x305 (12") | 1.5                 | 0.75                    | 12               | 305            | 433                      | 738                    | 1/4" f/m BSPP | SK150075           | 1.76 ton                        | 1.32 ton                      |
| BL200100x152 (6")  | 2                   | 1                       | 6                | 152            | 303                      | 455                    | 1/4" f/m BSPP | SK200100           | 3.14 ton                        | 2.35 ton                      |
| BL200100x203 (8")  | 2                   | 1                       | 8                | 203            | 354                      | 557                    | 1/4" f/m BSPP | SK200100           | 3.14 ton                        | 2.35 ton                      |
| BL200100x254 (10") | 2                   | 1                       | 10               | 254            | 405                      | 659                    | 1/4" f/m BSPP | SK200100           | 3.14 ton                        | 2.35 ton                      |
| BL200100x305 (12") | 2                   | 1                       | 12               | 305            | 456                      | 761                    | 1/4" f/m BSPP | SK200100           | 3.14 ton                        | 2.35 ton                      |
| BL200100x355 (14") | 2                   | 1                       | 14               | 355            | 506                      | 861                    | 1/4" f/m BSPP | SK200100           | 3.14 ton                        | 2.35 ton                      |
| BL200100x406 (16") | 2                   | 1                       | 16               | 406            | 557                      | 963                    | 1/4" f/m BSPP | SK200100           | 3.14 ton                        | 2.35 ton                      |
| BL200100x457 (18") | 2                   | 1                       | 18               | 457            | 608                      | 1065                   | 1/4" f/m BSPP | SK200100           | 3.14 ton                        | 2.35 ton                      |
| BL250150x152 (6")  | 2.5                 | 1.5                     | 6                | 152            | 303                      | 455                    | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x203 (8")  | 2.5                 | 1.5                     | 8                | 203            | 354                      | 557                    | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x254 (10") | 2.5                 | 1.5                     | 10               | 254            | 405                      | 659                    | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x305 (12") | 2.5                 | 1.5                     | 12               | 305            | 456                      | 761                    | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x355 (14") | 2.5                 | 1.5                     | 14               | 355            | 506                      | 861                    | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x406 (16") | 2.5                 | 1.5                     | 16               | 406            | 557                      | 963                    | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x457 (18") | 2.5                 | 1.5                     | 18               | 457            | 608                      | 1065                   | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x508 (20") | 2.5                 | 1.5                     | 20               | 508            | 559                      | 1167                   | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL250150x610 (24") | 2.5                 | 1.5                     | 24               | 610            | 761                      | 1371                   | 3/8" f/m BSPP | SK250150           | 4.90 ton                        | 3.14 ton                      |
| BL300150x152 (6")  | 3                   | 1.5                     | 6                | 152            | 310                      | 462                    | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x203 (8")  | 3                   | 1.5                     | 8                | 203            | 361                      | 564                    | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x254 (10") | 3                   | 1.5                     | 10               | 254            | 412                      | 666                    | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x305 (12") | 3                   | 1.5                     | 12               | 305            | 463                      | 768                    | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x355 (14") | 3                   | 1.5                     | 14               | 355            | 513                      | 868                    | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x406 (16") | 3                   | 1.5                     | 16               | 406            | 564                      | 970                    | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x457 (18") | 3                   | 1.5                     | 18               | 457            | 615                      | 1072                   | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x508 (20") | 3                   | 1.5                     | 20               | 508            | 666                      | 1174                   | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL300150x610 (24") | 3                   | 1.5                     | 24               | 610            | 768                      | 1378                   | 3/8" f/m BSPP | SK300150           | 7.06 ton                        | 5.30 ton                      |
| BL350175x254 (10") | 3.5                 | 1.75                    | 10               | 254            | 429                      | 683                    | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x305 (12") | 3.5                 | 1.75                    | 12               | 305            | 480                      | 785                    | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x355 (14") | 3.5                 | 1.75                    | 14               | 355            | 530                      | 885                    | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x406 (16") | 3.5                 | 1.75                    | 16               | 406            | 581                      | 987                    | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x457 (18") | 3.5                 | 1.75                    | 18               | 457            | 632                      | 1089                   | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x508 (20") | 3.5                 | 1.75                    | 20               | 508            | 683                      | 1191                   | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x610 (24") | 3.5                 | 1.75                    | 24               | 610            | 785                      | 1395                   | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x762 (30") | 3.5                 | 1.75                    | 30               | 762            | 937                      | 1699                   | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |
| BL350175x914 (36") | 3.5                 | 1.75                    | 36               | 914            | 1089                     | 2003                   | 1/2" f/m BSPP | SK350175           | 9.62 ton                        | 7.21 ton                      |

Can't find the right  
EasyRam? See page  
14 for RamBuilder.

Dimension

(I)

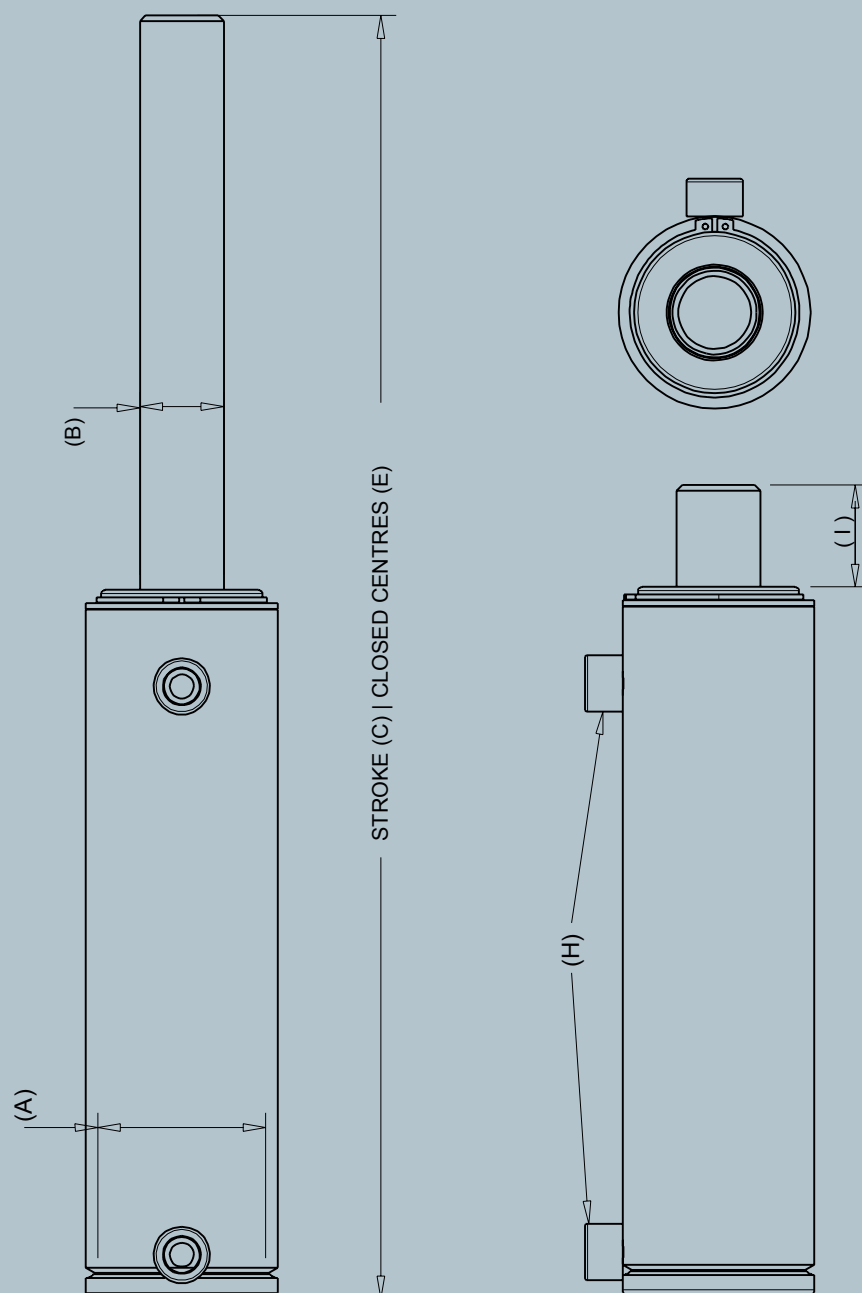
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# What do our customers say?

"We received the cylinders, fitted one to a machine and tested without incident. Thank you for delivering promptly as promised, we will definitely be placing future orders."

**WORK PLATFORM MANUFACTURER**

"Thank you for getting those cylinders through so quickly, they are doing the business! Thanks."

**ORIGINAL EQUIPMENT MANUFACTURER**

"Just letting you know that the cylinder has arrived and looks very good thank you!"

**INDUSTRIAL HYDRAULICS MANUFACTURER**

"Thank you very much for the prompt service, much appreciated."

**ENGINEER**

"Just a quick email to say thanx mate, awesome service. Rams turned up Saturday morning."

**ORIGINAL EQUIPMENT MANUFACTURER**

# BUILT. BOXED. OUTTA HERE.

Order a Motus EASYRAM® today and we'll have it built, boxed and on its way to you inside one hundred hours. **Guaranteed.**



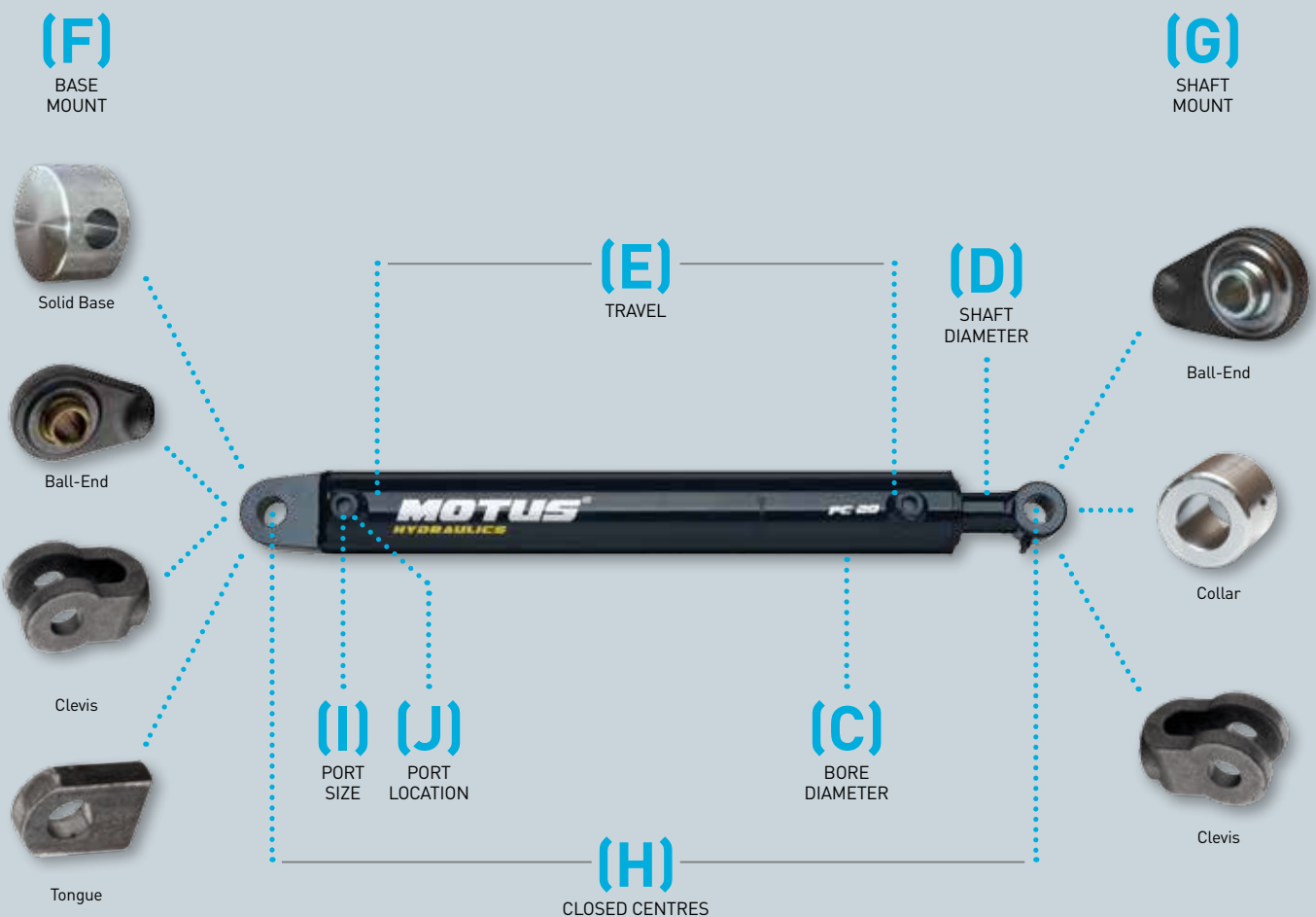
\* Terms & Conditions: Motus Hydraulics guarantee to dispatch up to 5 rams of any configuration from the Rambuilder or Easyram ranges in less than 100 hours (4-working days, excludes weekends, public holidays and elements beyond our control) from written order confirmation unless otherwise agreed at time of submitting order. Any ram or part from the Stockram or Rampart range will be dispatched the same day when ordered before 4pm, or the following day if ordered after 4pm. Account must be current.

# BUILD A CYLINDER

RAMBUILDER® is a unique and innovative 5 step method of selecting a production type 'standard' ram to fit YOUR requirements.

The ram will come with a trace number - to order further rams or replacement parts, simply quote the number. This gives you the confidence of buying the cylinder as if it were a stock item, yet with the flexibility of design and dimensions.

- 1 SPECIFY: **(A)** quantity **(B)** type **(C)** bore diameter **(D)** shaft diameter **(E)** stroke
- 2 SELECT: **(F)** base mount **(G)** shaft mount
- 3 Port size defaults to BSPP/FM to match the ram size. Default port location is 90° to the pin  
OR SPECIFY: **(I)** port size **(J)** port location
- 4 SPECIFY PAINT: plain, primed, MOTUS blue or other
- 5 SPECIFY: **(H)** closed centres **(O)** open centres



Visit [motushydraulics.co.nz/rambuilder](http://motushydraulics.co.nz/rambuilder) for more information.

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## **HYDRAULICS**

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