

Body: XMA-1101

Fishing Neck Length (in): 27.5

Fishing Neck Diameter (in): 4.75

Upset Length (in): 11.25

Flow-By Area (sq.in): 6.37

* Includes cutters

Overall Length (in): 67

Bottom Hole Length (in): 24

Weight (lbs): 277

Total Dressed Weight (lbs): 295

Makeup Torque (ft.lbs)*: 9986

* Typical connection NC-38
 confirm for specific tool

**Sealed Bearing Cutter:
 XMA-1040**

Length (in): 9.250

Approx. Diameter (in): 1.9

Gauge Length (in): 2.44

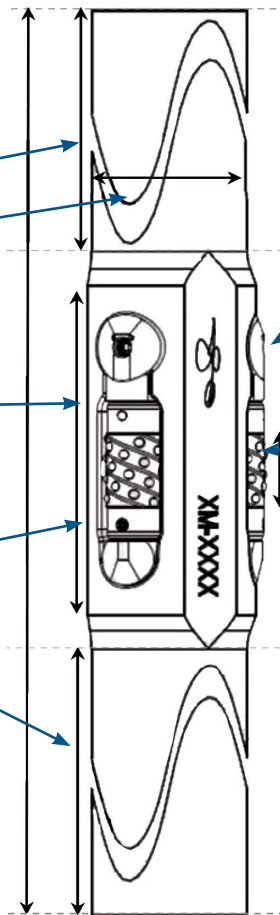
Weight-each (lbs): 5.9

Weight per set (lbs): 17.7

Optimal Performance** up to 1400
 string krevs or 194 hrs @ 120 RPM

** Sealed Bearing will continue to operate beyond
 optimal performance - Reservoir Group does not
 advocate tripping specifically to change out cutters

Cutter Boxed Dimensions:
 275 x 130 x 310 mm, 20.5 lbs

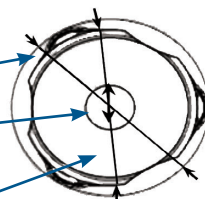


Boxed Dims.: 255 x 295 x 1820 mm

Tool Gauge (in): 6.375

ID (in): 2.00

Upset Diameter (in): 5.80



Drawing not to scale

Serial Numbers

Body: XM- _____
 Cutters: E- _____

Values detailed are nominal. Manufacturer reserves the right to
 change at any time.

Body: XMA-1101

Fishing Neck Length (in): 27.5

Fishing Neck Diameter (in): 4.75

Upset Length (in): 11.25

Flow-By Area (sq.in): 7.27

* Includes cutters

Overall Length (in): 67

Bottom Hole Length (in): 24

Weight (lbs): 277

Total Dressed Weight (lbs): 296

Makeup Torque (ft.lbs)*: 9986

* Typical connection NC-38
 confirm for specific tool

**Sealed Bearing Cutter:
 XMA-1050**

Length (in): 9.250

Approx. Diameter (in): 2.0

Gauge Length (in): 2.44

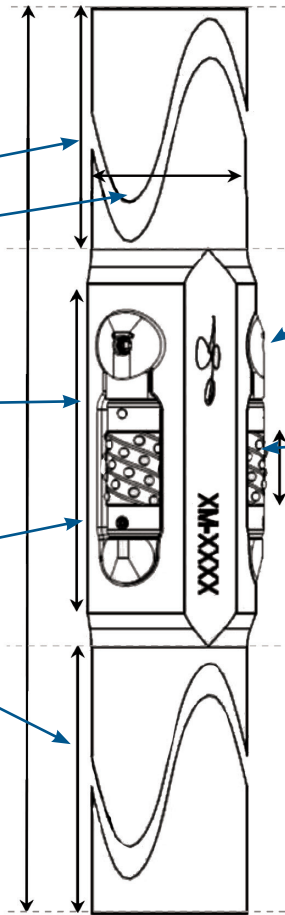
Weight-each (lbs): 6.4

Weight per set (lbs): 19.2

Optimal Performance** up to 1400
 string krevs or 194 hrs @ 120 RPM

** Sealed Bearing will continue to operate beyond
 optimal performance - Reservoir Group does not
 advocate tripping specifically to change out cutters

Cutter Boxed Dimensions:
 275 x 130 x 310 mm, 22.0 lbs

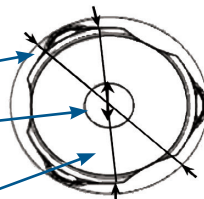


Boxed Dims.: 255 x 295 x 1820 mm

Tool Gauge (in): 6.5

ID (in): 2.00

Upset Diameter (in): 5.80



Drawing not to scale

Serial Numbers

Body: XM- _____
 Cutters: E- _____

Values detailed are nominal. Manufacturer reserves the right to
 change at any time.

Body: XMA-1101

Fishing Neck Length (in): 27.5

Fishing Neck Diameter (in): 4.75

Upset Length (in): 11.25

Flow-By Area (sq.in): 8.23

* Includes cutters

Overall Length (in): 67

Bottom Hole Length (in): 24

Weight (lbs): 277

Total Dressed Weight (lbs): 296

Makeup Torque (ft.lbs)*: 9986

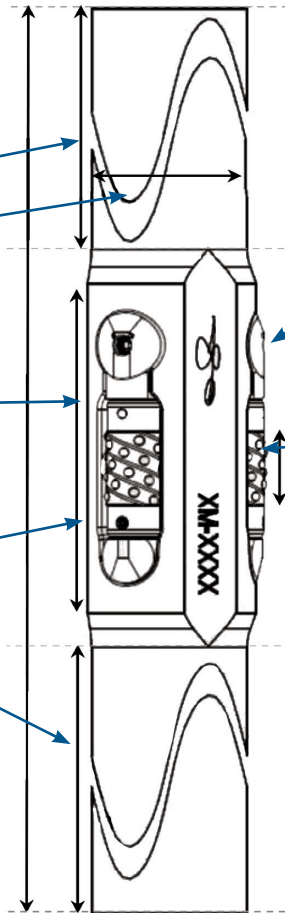
* Typical connection NC-38
 confirm for specific tool

Boxed Dims.: 255 x 295 x 1820 mm

Tool Gauge (in): 6.625

ID (in): 2.00

Upset Diameter (in): 5.80



Sealed Bearing Cutter: XMA-1060

Length (in): 9.25

Approx. Diameter (in): 2.0

Gauge Length (in): 2.44

Weight-each (lbs): 6.4

Weight per set (lbs): 19.3

Optimal Performance** up to 1400
 string krevs or 194 hrs @ 120 RPM

** Sealed Bearing will continue to operate beyond
 optimal performance - Reservoir Group does not
 advocate tripping specifically to change out cutters

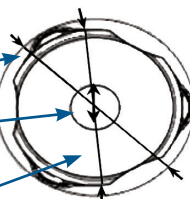
Cutter Boxed Dimensions:
 275 x 130 x 310 mm, 22.1 lbs

Serial Numbers

Body: XM- _____

Cutters: E- _____

Values detailed are nominal. Manufacturer reserves the right to
 change at any time.



Drawing not to scale

Body: XMA-1151

Fishing Neck Length (in): 27.5

Fishing Neck Diameter (in): 4.75

Upset Length (in): 11.25

Flow-By Area (sq.in): 6.94

* Includes cutters

Overall Length (in): 67

Bottom Hole Length (in): 24

Weight (lbs): 294

Total Dressed Weight (lbs): 312

Makeup Torque (ft.lbs)*: 9986

* Typical connection NC-38
 confirm for specific tool

**Sealed Bearing Cutter:
 XMA-1040**

Length (in): 9.250

Approx. Diameter (in): 1.9

Gauge Length (in): 2.44

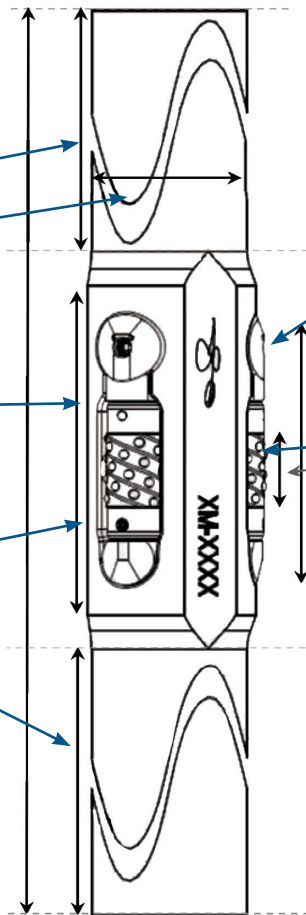
Weight-each (lbs): 5.9

Weight per set (lbs): 17.7

Optimal Performance** up to 1400
 string krevs or 194 hrs @ 120 RPM

** Sealed Bearing will continue to operate beyond
 optimal performance - Reservoir Group does not
 advocate tripping specifically to change out cutters

Cutter Boxed Dimensions:
 275 x 130 x 310 mm, 20.5 lbs

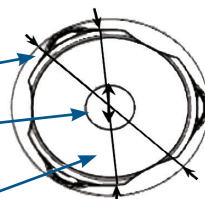


Boxed Dims.: 255 x 295 x 1820 mm

Tool Gauge (in): 6.5

ID (in): 1.75

Upset Diameter (in): 5.90



Drawing not to scale

Serial Numbers

Body: XM-_____

Cutters: E-_____

Values detailed are nominal. Manufacturer reserves the right to
 change at any time.

Body: XMA-1151

Fishing Neck Length (in): 27.5

Fishing Neck Diameter (in): 4.75

Upset Length (in): 11.25

Flow-By Area (sq.in): 7.87

* Includes cutters

Overall Length (in): 67

Bottom Hole Length (in): 24

Weight (lbs): 294

Total Dressed Weight (lbs): 313

Makeup Torque (ft.lbs)*: 9986

* Typical connection NC-38
 confirm for specific tool

**Sealed Bearing Cutter:
 XMA-1050**

Length (in): 9.250

Approx. Diameter (in): 2.0

Gauge Length (in): 2.44

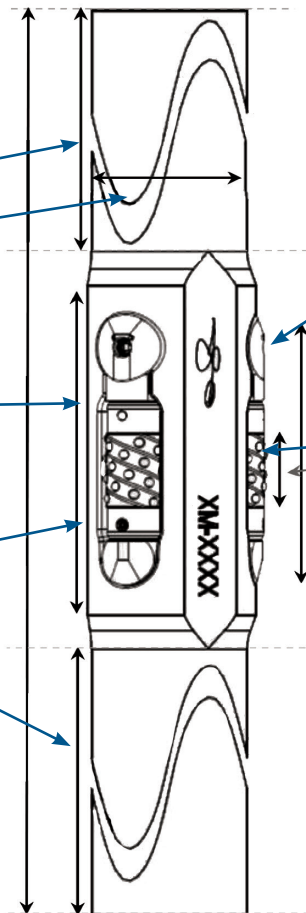
Weight-each (lbs): 6.4

Weight per set (lbs): 19.2

Optimal Performance** up to 1400
 string krevs or 194 hrs @ 120 RPM

** Sealed Bearing will continue to operate beyond
 optimal performance - Reservoir Group does not
 advocate tripping specifically to change out cutters

Cutter Boxed Dimensions:
 275 x 130 x 310 mm, 22.0 lbs

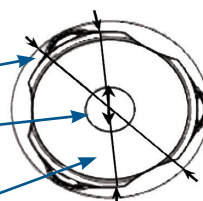


Boxed Dims.: 255 x 295 x 1820 mm

Tool Gauge (in): 6.625

ID (in): 1.75

Upset Diameter (in): 5.90



Drawing not to scale

Serial Numbers

Body: XM- _____

Cutters: E- _____

Values detailed are nominal. Manufacturer reserves the right to
 change at any time.

Body: XMA-1151

Fishing Neck Length (in): 27.5

Fishing Neck Diameter (in): 4.75

Upset Length (in): 11.25

Flow-By Area (sq.in): 9.18

* Includes cutters

Overall Length (in): 67

Bottom Hole Length (in): 24

Weight (lbs): 294

Total Dressed Weight (lbs): 313

Makeup Torque (ft.lbs)*: 9986

* Typical connection NC-38
 confirm for specific tool

**Sealed Bearing Cutter:
 XMA-1060**

Length (in): 9.250

Approx. Diameter (in): 2.0

Gauge Length (in): 2.44

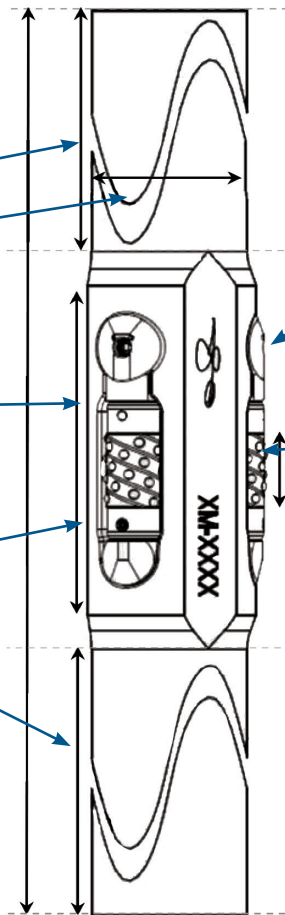
Weight-each (lbs): 6.4

Weight per set (lbs): 19.3

Optimal Performance** up to 1400
 string krevs or 194 hrs @ 120 RPM

** Sealed Bearing will continue to operate beyond
 optimal performance - Reservoir Group does not
 advocate tripping specifically to change out cutters

Cutter Boxed Dimensions:
 275 x 130 x 310 mm, 22.1 lbs

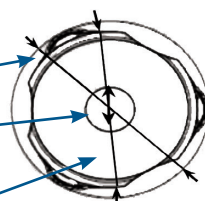


Boxed Dims.: 255 x 295 x 1820 mm

Tool Gauge (in): 6.75

ID (in): 1.75

Upset Diameter (in): 5.90



Drawing not to scale

Serial Numbers

Body: XM- _____

Cutters: E- _____

Values detailed are nominal. Manufacturer reserves the right to
 change at any time.