

TMC Jar

Single-acting hydraulic fishing jar

APPLICATIONS

- Any fishing operation: stuck pipe, packer retrieval, tubing removal, milling, or debris recovery
- Plug and abandonment operations, including pipe recovery and wellhead removal

BENEFITS

- Optimizes jarring for fishing and other recovery operations
- Endures HPHT well conditions

FEATURES

- Long free travel optimizes impact
- Hydraulic metering system enables variable impact loads controlled by degree of upward load applied by operator
- Seals temperature rated to 500 degF
- Seals rated to 20,000 psi [137.9 MPa] differential
- Circulation rated to 10,000 psi [69 MPa]
- Temperature compensation system enables prolonged jarring when required
- Closed-drive system prevents ingress of wellbore fluid into drive section, improving reliability
- Interchangeable parts enable conversion between hydraulic jars and accelerator tools

The TMC Jar* single-acting hydraulic fishing jar combines optimal impact characteristics with highly durable construction for reliable fishing performance in harsh downhole environments. Tool seals are temperature rated to 500 degF and pressure rated to 20,000 psi. And, the temperature compensation system in the detent enables prolonged jarring without loss of impact force. Additionally, the TMC Jar has a closed-drive system that prevents wellbore fluid from entering into the drive section, improving tool performance and reliability.

When ordering, please specify

- Hole size
- Connection size, type, and left- or right-hand threads
- Tool diameter
- Hole temperature
- Desired operating load



Specifications

Tool OD, in	Tool ID, in	Tool Joint Connection	Overall Length, ft [m]	Recommended Maximum Overpull Working Load, lbf [N]	Total Stroke, in [cm]	Tensile Yield, lbf [N]	Torsional Yield, ft.lbf [N.m]	Tool Weight, lbm [kg]
1 ³ / ₁₆	3/8	1 ³ / ₁₆ WMF	7 [2.1]	19,000 [84,516]	9 ³ / ₄ [24.77]	56,000 [249,100.32]	800 [1,084.65]	75 [34.02]
1 ³ / ₁₆	9/16	1 AM MT	5 [1.5]	17,000 [75,619.7]	7 ¹ / ₄ [18.42]	69,000 [306,927.18]	750 [1,016.86]	54 [24.49]
2 ¹ / ₄	1/2	1 ¹ / ₄ Reg	10 [3.0]	20,000 [88,964.4]	12 [30.48]	95,800 [426,139.48]	1,900 [2,576.05]	125 [56.7]
3 ¹ / ₈	1	2 ³ / ₈ Reg	12 [3.7]	51,000 [226,859.2]	16 [40.64]	192,000 [854,058.24]	4,100 [5,558.85]	200 [90.72]
3 ¹ / ₈	1 ¹ / ₂	2 ³ / ₈ EUE	11 [3.4]	32,400 [144,122.3]	14 [35.56]	185,000 [822,920.7]	4,200 [5,694.44]	225 [102.06]
3 ³ / ₄	1 ¹ / ₂	2 ³ / ₈ IF	12.2 [3.7]	59,000 [262,445]	16 [40.64]	257,000 [1,143,192.54]	6,600 [8,948.4]	240 [108.86]
3 ³ / ₄	2	2 ³ / ₈ EUE	11 [3.4]	38,000 [169,032.4]	16 [40.64]	233,000 [1,036,435.26]	7,400 [10,033.05]	325 [147.42]
4 ¹ / ₄	2	2 ³ / ₈ IF	12.1 [3.7]	73,000 [324,720]	16 [40.64]	348,000 [1,547,980.56]	11,000 [14,914]	375 [170.1]
4 ¹ / ₄	2 ⁷ / ₁₆	2 ³ / ₈ EUE	11 [3.4]	39,000 [173,480.6]	16 [40.64]	320,000 [1,423,430.4]	10,000 [13,558.18]	400 [181.44]
4 ³ / ₄	2	3 ¹ / ₂ FH	14.6 [4.5]	90,000 [400,339.8]	16 [40.64]	422,000 [1,877,148.84]	14,000 [18,981.45]	520 [235.87]
4 ³ / ₄	2 ¹ / ₄	3 ¹ / ₂ IF	13.3 [4.1]	95,000 [422,580.9]	16 [40.64]	422,000 [1,877,148.84]	14,000 [18,981.45]	517 [234.51]
6 ¹ / ₄	2 ¹ / ₄	4 ¹ / ₂ IF	15 [4.6]	180,000 [800,679.6]	18 [45.72]	900,000 [4,003,398]	50,000 [67,790.9]	950 [430.91]
6 ¹ / ₂	2 ¹ / ₄	4 ¹ / ₂ IF	15 [4.6]	195,000 [867,402.9]	18 [45.72]	928,000 [4,127,948.16]	50,000 [67,790.9]	1,078 [488.97]
7 ³ / ₄	3 ¹ / ₂	6 ⁵ / ₈ Reg	16 [4.9]	300,000 [1,334,466]	18 [45.72]	1,304,000 [5,800,478.88]	118,000 [159,986.52]	1,400 [635.03]
8	3 ¹ / ₂	6 ⁵ / ₈ Reg	16 [4.9]	300,000 [1,334,466]	18 [45.72]	1,304,000 [5,800,478.88]	118,000 [159,986.52]	1,570 [712.14]