

SINKER BAR

Sinker Bar (Sinking Bar)

Sinker bar, also named as sinking bar, is made of fine carbon-steel or fine alloy steel according to API Spec. 11B. Sinker bar is furnished with pin threads on each end.

In general, sinker bar can be connected with polished rod on the upside of the oil well, also connected with sucker rod on the underside of the oil well.

There are two grades of sinker bar strength as below.



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Technical Specification of Sinker Bar (Sinking Bar)

| Sinker Bar Size(in) | Sinker Bar (in) | Thread (in) | Length of Sinker Bar(ft) | Length of Elevator Neck(in) | Sucker Rod Size (in) |
|---------------------|----------------------|-------------|--------------------------|-----------------------------|----------------------|
| 1-1/4 | 1-1/4(+0.000,-0.030) | 15/16 | 25 30 | 4 | 5/8 |
| 1-3/8 | 1-3/8(+0.000,-0.030) | 15/16 | | 4 | 5/8 |
| 1-1/2 | 1-1/2(+0.000,-0.030) | 11/16 | | 4 | 3/4 |
| 1-5/8 | 1-5/8(+0.000,-0.030) | 13/16 | | 4 | 7/8 |
| 1-3/4 | 1-3/4(+0.000,-0.030) | 13/16 | | 4 | 7/8 |

Mechanical Properties of Sinker Bar (Sinking Bar):

| Grade | Tensile Strength σ_b (Mpa) | Elongation δ (%) | Contraction of area Ψ (%) |
|-------|-----------------------------------|-------------------------|--------------------------------|
| 1 | 448~620 | ≥ 15 | ≥ 55 |
| 2 | 621~794 | ≥ 12 | ≥ 50 |

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