



????????? ??????? vs. ?????: ?????????????? ?????????????? ?? ?????? ?????????? ??????????

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??? ?????????????? ?????????? ?????????????—????? ??? ??????, ??? ?????? ??? ????????

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????????????? ??????????, ?????????? ?? ?????????? ? ?????????? ?????????? ?????????? ???????????. ????

?? ?????????? ? ?????????? ??????, ??? ?????????? ?????????????? ?????????? ?????????? ???????????. ????

????????? ??????, ?????????? ??? ???, ?? ?? ?????? ?????????? ?????????? ?????? ???????. ????

????????? ?????????? ??????, ?? ?????????? ?????? ?? ??????. ??? ?????? ?????????? ?? ?????? ??

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1. ?????? ?????????? vs. ?????? ??????

- ?????????? ??????????, ?????? ?????? (???????, ?????? ? ?????????? 25 ?? ?
????????? 75 ??)? ?????? ?????? ?????? ?????? — ?????????? ??????????
- ?????????? ??????????, ?????? ?????? (???????, ?????? ? ?????????? 100 ?? ?
????????? 125 ??)? ?????? ??????????. ?????? ?????????? ?? ?????????? ??????????.

2. ?????? ??????????

- ? ?????? ?? ?????????? ???, ?????? ?????????? ?? ? ??????. ??? ?????? 30%
????, ?????? ?????? ?????????? ??? ??????.

◦ ?????? ??????????? ? ???????, ??????? ?? ??????? ??????? ?? ??, ??? (? ????????)
 ??????????. ?????? ?????????? ?????????? ??? — ?????? ?????? ?????? ??????
 ?????????? ?????? ?? ??????.

3. ?????? ?? ????????

◦ ?????? ??????? ?????????? ??? ????????????, ? ?????? ??????? ??????????. ??? ?
 ??? ??????? ??????????, ??? ????????. ?????????? ?????????? ?????? ?????? ??????.
 ◦ ?????? ?????????? ??????? — ?????? ?????????? ?????????? ?????? ?????? ?
 ?????????? ??????. ?????? ?????? ?? ??????, ?????????? ??????.

4. ?????????? ? ????????

◦ ?????? ??? ?? ?????????? ?????????? ?????????? ??? ??????, ??? ??????? ???
 ?????? ??????.
 ◦ ?????? ???, ?? ??????, ??? ?????? ?? ?? ??????? ?????????? ?????? —
 ?????? ?????? ??? ?????? ??? ?? ?????? ?????? ??????.

5. ?????????? ????????

◦ ??? ??????????: ?????????? ??? (????????, ?????????????????? ???
 ?????????????? ???) ?? ?????? ??????? ? ??? ??????. ?????? ?????? ???
 ?????? ? ??? ?????? ??????, ?????????? ??? ?????????? ?????? ??? ??????????
 ???????????. ??? ?????? ?????? ?????? ?????????? ?????? ???, ??? ?????? ??????????
 ?????? ?????????? ?????????? ??? ??????????.

6. ?????????? ????????

◦ ?????? ?????? ??????? ?? ??????????, ?? ?? ?????????? ??? ??????. ?????? ?????? ??
 ??????????, ?? ??? ?????? ?????????? ??? ??????. ?????? ?????????? ??? ??????.
 ?????? ??????.

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?????? ??????? ??????? ??? ?????? ?????? ???????:

1. ??? 1: ??????? ??????? ??????? (OD ??), ?????????? ??????? (ID ??) ? ??? (L ??)
 ?????? ??????.

2. ??? 2: ??????? ??????? — ?????? ? OD ?????? ??????, ??? OD ??????; ??? ID
 ?????? ? ID ??????, OD ??????, ??? OD ??????.

3. ??? 3: ?????????? ??? (?????????? ?????? ??????: 7,850 ??/?³):

- ??? ?????? = ? × (OD ??????/2)² × L × 7.85 × 10??
- ??? ?????? = ? × [(OD ??????/2)² – (ID ??????/2)²] × L × 7.85 × 10??

4. ??? 4: ??????? ?? ??????? ?? ??????? (????????? ? ?????? ???????).

5. ??? 5: ??????? ??????? ?? ??????? (????? ?????? ?????? ?????? ??????; ?????? ??????
 ???, ???????, ?3,000/??).

6. ??? 6: ??????? ?????? — ?????? ?????? ????????, ??? ?????? ?????? ?????????? ??
 ??????? ?? ?????? ?? ??????.

?????: ?????? ? OD 100 ??, ID 50 ??, ?????? 250 ?. ?????? (OD 110 ??) ???? ?1,500 + ?6,000
 ?? ??????? = ?7,500. ?????? (OD 110 ??, ID 55 ??) ???? ?1,450 + ?3,000 ?? ??????? =
 ?4,450. ?????? ?????? ?3,050 ???.

?????? ??? ???

- **ID > 50% ?? OD:** ?????????? ? ?????? — ?????? ?????? ?????? ?????? ??????.

- ID ??????? ??? ??? — ?????????? ??????????? ?? ???????.
- ?????? > 8x OD: ?????? ??? ??? ??????????, ?????????? ? ?????????? ?????????????? (????????? ?????????? — ??? ???). ??????????, ??? ??? ?? ?????.
- ?????? ?????????????? ????: ?????? ??? ??????????????, ??? ??? ?????? ?????? ?????? ? ??? ???.
- ?????? > 30%: ?????????? ??? — ?????? ??????? ?? ?????????? ?????????? ?????????? ?????????? ????????

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????????????? “?????????” ?????? ?? ?????????? — ???????? ?????? ????. ?????? ?????? ??????
?? ?????? ?????? ?????? ?????? ?????????? ??????, ? ?? ?????? ??? ??????, ?????? ??????????????
????? ?????? ?????? ??????. ?????????? ??? ??????, ?????????? ?????? ? ?????????? ?????? ?
?????????. ?????????? ?????????????? ?????? ?????? ?????????? ?????? ?????? ?????? ??????.

? Steelmet Industries ?? ?????? ?????? ??? ??????? ?????? ?????? ??? ??????
????????????? ????. ??????? ??? ?? www.steelmet.in, ?????? ?????? ??? ??????????
????????? ??????, ??? ? ?????????????? ??????, ?????????????? ??? ??? ?????? ??????????.

????? ??? ?????? ?????? ?????? ?????????? ?????? ?????????? — ??? ? ??????????
?????????, ??? ?? ?????????????? ? ??? ? ?????? ???!

#????????????? #?????Vs????? #????????????? #????????????? #????????????? #SteelmetIndustries

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1. Posts

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1. Material Selection
2. Steelmet Industries
3. manufacturing

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24/07/2025

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admin