

BÖHLER Kb 60 T-FD

Flux cored wire, seamless, high strength, basic type

| Classifications | | | | | | | |
|-------------------------|-------------------------|--------------------|---------------------|--|--|--|--|
| EN ISO 17632-A | EN ISO 17632-B | AWS A5.36 | AWS A5.36M | | | | |
| T46 6 1Ni B M21 3 H5 | T556T5-0M21A-N2- UH5 | E80T5-M21P8-Ni1-H4 | E550T5-M21P6-Ni1-H4 | | | | |

Characteristics and typical fields of application

Seamless Ni-alloyed copper-coated basic flux cored wire for welding with Ar-CO₂ shielding gas. It is suitable for welding fine grain steels as well as joining of wear-resistant steels. The weld metal deposit has good properties like elongation, toughness and reliability against cracking, even with post weld heat treatment.

Base materials

\$355JR, \$355J0, \$355J2, \$450J0, \$355N-\$460N, \$355NL-\$460NL, \$355M-\$460M, \$355ML-\$460NL, \$355M-\$460M, \$355ML-\$460ML, \$355ML-S460ML, S460Q, S500Q, S460QL, S500QL, S460QL1, S500QL1, P355GH, P355NH, P420NH, P460NH, P355N-P460N, P355NH-P460NH, P355NL1-P460NL1, P355NL2-P460NL2, L245NB-L415NB, L245MB-L485MB, L360QB-L485QB, aldur 500Q, aldur 500QL, aldur 500QL1 ASTM A 350 Gr. LF2; A 516 Gr. 65, 70; A 572 Gr. 42, 50, 60, 65; A 573 Gr. 70; A 588 Gr. B, C, K; A 633 Gr. A, C, D, E; A 662 Gr. B, C; A 678 Gr. B; A 707 Gr. L2, L3; A 841 Gr. A, B, C; API 5 L X42, X52, X60, X65, X70, X52Q, X60Q, X65Q, X70Q

Typical analysis of all-weld metal (wt.-%)

| • | | | | | |
|------|-----|------|------|------|------|
| | Gas | С | Si | Mn | Ni |
| wt-% | M21 | 0.06 | 0.45 | 1.35 | 0.95 |

Mechanical properties of all-weld metal

| Condition | Yield strength R _e | Tensile strength R _m | Elongation A (L ₀ =5d ₀) | Impact work ISO-V KV J | |
|-----------|-------------------------------|---------------------------------|--|---------------------------|----------|
| | MPa | MPa | % | -40°C | -60°C |
| u | 500 (≥470) | 600 (550–680) | 24 (≥20) | 100 | 80 (≥47) |
| S | 480 (≥470) | 570 (550–680) | 26 (≥20) | | ≥47 |

- u untreated, as welded - shielding gas M21
- stress relieved 620°C / 60min shielding gas M21

Operating data



Welding with standard GMAW power source possible

Approvals

CE