



PRODUCT DATA SHEET



KALMINEX™ Ingot feeder heads

SUMMARY

KALMINEX exothermic sleeves for the feeder head of small to medium sized ingots.

DESCRIPTION

The main requirement in the casting of small ingots is to maintain the head metal at a high temperature during the relatively short body solidification period. This is achieved by heading with a highly exothermic and rapid burning KALMINEX feeder head which raises its own temperature during the burning period to a level near to that of the liquid steel. The solidifying chill portion of the ingot can thus be fed from the liquid head metal reservoir.

APPLICATION

KALMINEX one-piece heads are custom designed for wedging (wholly or partly super-imposed) into ingot moulds. Where partly superimposed it is usually necessary to weight the feeder head in order to prevent flotation due to buoyancy forces.

KALMINEX sleeves should be used with the appropriate grade of FERRUX anti-piping compound to ensure optimum feeding.

FUNCTION

KALMINEX feeder heads are normally supplied as one-piece units to ensure the adequate feeding of small ingots up to 15 tonnes in weight. A high proportion of steels made and fed in this manner are specialist highly alloyed tool, die and stainless steel qualities.

BENEFITS

- Good dimensional accuracy for ease of fit.
- Highly insulating residue on completion of burning.
- Low fume evolution during the exothermic burning period.
- Easy stripping from ingot heads.
- Good resistance to thermal and mechanical shock.
- Low moisture pick up.

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