

VIRAT's Guide Line for Die Life (DIE CARE) for better Performance of 2714 steel

DIN 2714 equivalent steel grade of DB6 / SKT4 / L6 is specifically use for Drop forging / Close die forging application on Drop hammers & Forging presses. Virat Steel is leading name is in the market of 2714 steel as largest Importer , Exporter and distributor of 2714 steel with various size range in Flat , Square , Round , Hollow Bars etc.

1. Selection of sizes of Die Blocks as per the capacity of Forging equipment's (Hammers / Presses)
2. The Die Profile must in between the Tail Shank size to avoid chances of Tail or Die crack.
3. Degree on Tail Shank should be with radius 8R / 10 R and radius should in proper mirror polish to remove Micro hair lines which develop during rough machining.
4. While installing / loading dies on hammer / press, the alignment of base Sow block should be balanced / aligned.
5. Shank Keys should proper in degree and not to touch the dies to maintain the flexibility of dies during forging.
6. During Winter or change of Season, the timing and temperature of Pre Heating of Dies should be increased. Pre heating of Dies should from Top to bottom equally.
7. Raw material should be in required temperature as per steel grade during forging. Low temperature of material will break the dies directly.

Notes :

- ✓ Tail shank crack never be the part of material fault. It may cause of above reason or any wrong application of material.
- ✓ Recommend to test the dies before use with compare of MTC. (Testing – Chemical / Spectro, Hardness 360 – 410 BHN, UT 4mm FBH / C/c level)
- ✓ The another special application of 2714 steel is Bolster Plates, Sow Blocks, Press Cassettes, Die Holder , Sharing Blades, Plastic Moulds etc. with High & Low hardness.

- Recommended the above notes on behalf of the technical guidance with Mechanical Engineers, Metallurgist , Literature , Online Data etc.

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