

HOT WORKING TOOL STEEL BGH FORGE ONE

CHEMISTRY

| Grade | C | Si | Mn | Cr | Mo | Ni | Cu |
|----------------------|------|------|------|------|------|------|-------|
| BGH FORGE ONE | 0,48 | 0,20 | 0,80 | 1,10 | 0,50 | 2,50 | 1,90 |
| 1.2714 | 0,55 | 0,30 | 0,80 | 1,10 | 0,50 | 1,60 | <0,25 |

content in mass-%

BGH Forge One is a precipitation hardening alloy, developed for forging dies. Impact wear induced by cyclic loads is the main failure mechanism of dies. Cu-precipitations prevent in the patented BGH Forge One these failure mechanisms and increases the tool life significantly.

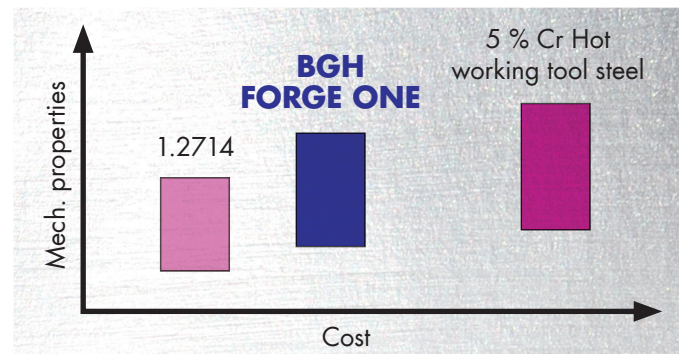
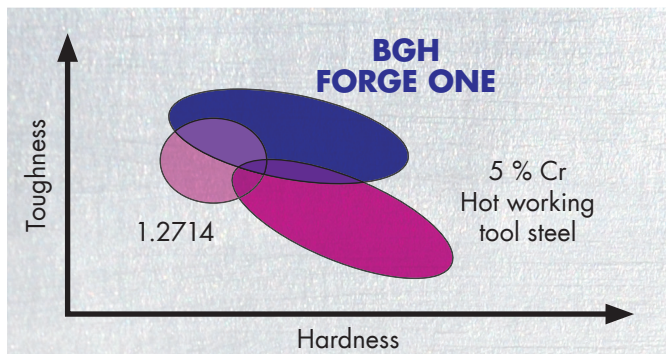
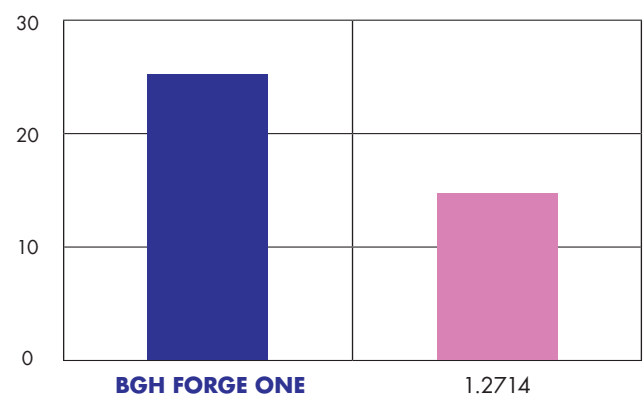
DELIVERY CONDITION:

- > Annealed < 300 HB
- > Precipitation hardening:
> 1400 MPa (standard condition,
higher strength on request)
- > Surface peeled/turned

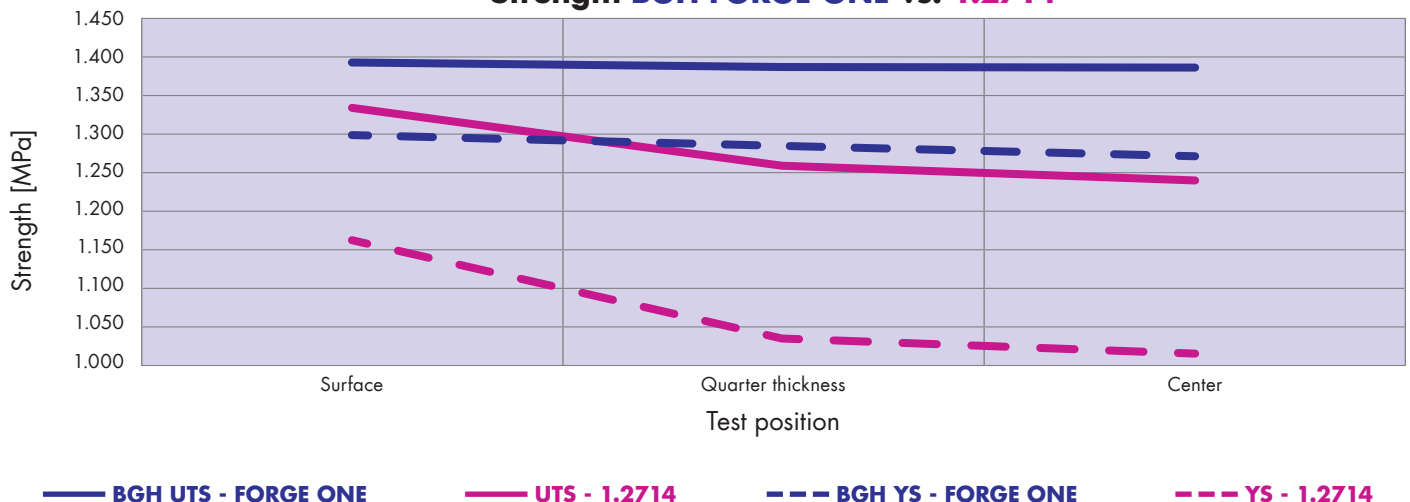
APPLICATIONS:

- > Press Forging
- > Drop Forging
- > Forging hammer

Impact toughness, V-notched (J)



Strength BGH FORGE ONE vs. 1.2714



All data above is for information only and does not create any binding contractual obligations.