

c:0.32~0.45?

si:0.80~1.20?

mn:0.20~0.50?

cr:4.75~5.50?

mo:1.10~1.75?

v:0.80~1.20?

p?0.030?

s?0.030?

功能处理折叠

???790?+-15????1000??????1010????????+-6??????5~15min??550?+-6? ??????????

50mpa???,?c??0.3%-0.4%??h13????rm??????1503.1mpa(46hrc?)?1937.5mpa(51hrc?)?

??ford?gm??????tq-1?dievar?adc3?????c??0.39%?0.38%????????????1?????????????

????????????????h13????????mo????????????????????????????????????

2.2 ?? ?????????????????????h????????cr??2%~12%????????????gb/t1299??37????,?8crsi?9

mn2v????cr??h13??cr?si????????????

????????cr?0.3c-1mn????????????????6%

cr????????????????????cr?6%?????550????????????????????5%??????

????????????????????,????????(fecr)3c?(fecr)7c3?m23c6????????????????????????

????????????????cr>3%[14]??cr??v4c3????mo2c????v4c3?mo2c????????????????[14]????

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

????????????cr?mn?mo?si?ni??cr????????????????????,????????[15]????grossmann

????,??moser?legat[16,22]????????????c????????????dic????????????(??3?)????????

?di,????????:

di=dicx2.21mnx1.40six2.13crx3.275mox1.47ni (1)

(1)????????????????cr?mn?mo?si?ni????????????

cr????????mn????5%????????c??0.5%????si?w?mo?v?ti????????c????????

????????????c????????????????????

????c????????????c????????d????s????????[17]????????

????????????????rc/rm????c????????????c????????????a????????????
????????????vc????????900~950????????1100????????1413??[17]???500~700??
????????????????w ?mo???m2c?mc ?????????????????????????
????500~650????m23c6(?cr23c6?)????????????????1090???a????
????????????crfemow?23c6,????????m7c3(?cr7c3?
fe4cr3c3?fe2cr5c3)????????fe3c????????????????[17]?

????fe-cr-c????????h13????????fe-cr-c?700?[18~20]?870?[9]????????,??0.4%c??,?cr?????
ecr?3c?m3c???crfe?7c3(m7c3)????????870??,???cr???11%????m23c6????fe-cr-c????5%cr??
??,??0.40%c????????1%cr???crfe?7c3??c????????791????????a?????+a+m7c3????,?795??
????a+m7c3????,??970??,?crfe?7c3??,????a?????c??0.33%?,?793????m7c3+m23c6?a????,?7
96????a+m7c3???0.30%c????????m7c3???a????????nilson????1.5%-13%cr????
crfe?23c6???[20]???,??fe-cr-c????????,????????

力学性能折叠

?? ??,245?205hb,??,?50hrc

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????hbw10/3000??235??

用途说明折叠

???9crwmn????????????????????????????????600?????4cr5mosiv????????????????????????????????

?????

1.????????????????

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

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

4.????????????????????a3?45#?????

5.????????????????????????????0.3mm?0.5mm

6.????????????????????????????0.02mm?0.05mm

7.????????????????????????

8.????????????????

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