



## İslah Çelikleri (En Yaygın Kullanılanlar)

| "ÇELİĞİN SİMGESİ        |     | KİMYASAL ANALİZİ(%) |                |                |                |                |                |   | "SERTLEŞTİRİLMİŞ VE MENEVİŞLENMİŞ DURUMDA |          |          |          |                                |              |              |             | "YUMUŞATMA TAVLAMASI YAPILMIŞ DURUMDA SERTLİK KOMPA MUK. (YAKLAŞIK) HB Kg/mm" |  |
|-------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|---|---|----------|----------|----------|--------------------------------|--------------|--------------|-------------|---|--|
|                         |     |                     |                |                |                |                |                |   | AKMA MUKAVEMETİ Kg/mm                     |          |          |          | ÇEKME MUKAVEMETİ (Kopma)Kg/mm" |              |              |             |   |  |
| DIN                     | SAE | C                   | Si             | Mn             | Cr             | Mo             | N              | V | ...16                                     | 17..40   | 41..100  | 101..160 | ..16                           | 17..40       | 41..100      | 101..160    |   |  |
| "C35<br>(Ck35)"         |     | "0,32<br>0,39"      | "0,15<br>0,35" | "0,50<br>0,80" |                |                |                |   | "44<br>"                                  | "38<br>" | "33<br>" |          | "64<br>80"                     | "61<br>76"   | "56<br>71"   |             | 183   |  |
| "C45<br>(Ck45)<br>1045" |     | "0,42<br>0,50"      | "0,15<br>0,35" | "0,50<br>0,90" |                |                |                |   | "51<br>"                                  | "44<br>" | "38<br>" |          | "71<br>86"                     | "66<br>81"   | "64<br>79"   |             | 207   |  |
| "C55<br>1050            |     | "0,52<br>0,60"      | "0,15<br>0,35" | "0,60<br>0,90" |                |                |                |   | "56<br>"                                  | "51<br>" | "44<br>" |          | "81<br>96"                     | "76<br>91"   | "71<br>86"   |             | 229   |  |
| "C60<br>1060            |     | "0,57<br>0,65"      | "0,15<br>0,35" | "0,60<br>0,90" |                |                |                |   | "59<br>"                                  | "53<br>" | "46<br>" |          | "86<br>100"                    | "81<br>96"   | "76<br>91"   |             | 241   |  |
| "46Cr2<br>5045          |     | "0,42<br>0,50"      | "0,15<br>0,40" | "0,50<br>0,80" | "0,40<br>0,60" |                |                |   | "66<br>"                                  | "56<br>" | "41<br>" |          | "91<br>112"                    | "81<br>96"   | "66<br>86"   |             | 223   |  |
| "36Cr4<br>5130          |     | "0,30<br>0,37"      | "0,15<br>0,40" | "0,60<br>0,90" | "0,90<br>1,20" |                |                |   | "71<br>"                                  | "60<br>" | "47<br>" |          | "91<br>112"                    | "81<br>96"   | "71<br>86"   |             | 223   |  |
| "41Cr4<br>5140<br>"     |     | "0,38<br>0,45"      | "0,15<br>0,40" | "0,50<br>0,80" | "0,90<br>1,20" |                |                |   | "81<br>"                                  | "67<br>" | "57<br>" |          | "112<br>122"                   | "91<br>112"  | "81<br>96"   |             | 241   |  |
| "25Cr Mo4<br>4130<br>"  |     | "0,22<br>0,29"      | "0,15<br>0,40" | "0,50<br>0,80" | "0,90<br>1,20" | "0,20<br>0,30" |                |   | "71<br>"                                  | "61<br>" | "46<br>" | "41<br>" | "91<br>112"                    | "81<br>96"   | "71<br>81"   | "66<br>81"  | 212   |  |
| "42Cr Mo4<br>4140<br>"  |     | "0,38<br>0,45"      | "0,15<br>0,40" | "0,50<br>0,80" | "0,90<br>1,20" | "0,15<br>0,30" |                |   | "91<br>"                                  | "76<br>" | "66<br>" | "56<br>" | "112<br>132"                   | "101<br>122" | "91<br>112"  | "81<br>96"  | 241   |  |
| "34CrNiMo6<br>4340<br>" |     | "0,30<br>0,38"      | "0,15<br>0,40" | "0,40<br>0,70" | "1,40<br>1,70" | "0,15<br>0,30" | "1,40<br>1,70" |   | "101<br>"                                 | "91<br>" | "81<br>" | "71<br>" | "112<br>142"                   | "112<br>132" | "101<br>112" | "91<br>112" | 248   |  |
| "50Cr V4<br>6150<br>"   |     | "0,47<br>0,55"      | "0,15<br>0,40" | "0,70<br>1,10" | "0,90<br>1,20" |                | "0,10<br>0,20" |   | "91<br>"                                  | "81<br>" | "71<br>" | "66<br>" | "112<br>132"                   | "101<br>112" | "91<br>112"  | "86<br>101" | 248   |  |