

国内外泵用材料牌号对照(仅供参考)

| 序号 | 材料类型             | 德国           |                        | 国际标准         | 美国     |        |              | 英国                  | 法国                             | 日本             | 中国         |                      |
|----|------------------|--------------|------------------------|--------------|--------|--------|--------------|---------------------|--------------------------------|----------------|------------|----------------------|
|    |                  | DIN          |                        | ISO          | AISI   | UNS    | ASTM         |                     | BSI                            | AFNOR          | JIS        | GB                   |
|    |                  | 17007        | 17006                  | 标准牌号         | 牌号     |        | 标准号          | 牌号                  | 牌号                             | 牌号             | 牌号         | 牌号                   |
|    |                  | 材料号          | 牌号                     |              |        |        |              |                     |                                |                |            |                      |
| 1  | 铸<br>铁           | 0.6018       | GG18                   | —            | —      | —      | A48          | CI25                | 1452 Gr180                     | —              | FC15       | HT150                |
| 2  |                  | 0.6020       | GG20                   | 185Gr200     | —      | —      | A48          | CI30                | 1452 Gr220                     | Ft20           | FC20       | HT200                |
| 3  |                  | 0.6022       | GG22                   | —            | —      | —      | A48          | CI30                | 1452 Gr220                     | —              | FC20       | HT200                |
| 4  |                  | 0.6025       | GG25                   | 185Gr250     | —      | —      | A48          | CI35, 40            | 1452 Gr260                     | Ft25           | FC25       | HT250                |
| 5  |                  | 0.6030       | GG30                   | 185Gr300     | —      | —      | A48          | CI45                | 1452 Gr300                     | Ft30           | FC30       | HT300                |
| 6  |                  | 0.7040       | GGG-40                 | 1083/400-12  | —      | —      | A536         | 60-40-18            | 2789 Gr370/17<br>2789 Gr420/12 | FGS400-12      | FCD40      | QT40-17              |
| 7  |                  | 0.7042       | GGG-42                 | 1083/400-12  | —      | —      | A536         | 60-40-18            | 2789 Gr420/12                  | FGS400-12      | FCD40      | QT40-17              |
| 8  |                  | 0.7050       | GGG-50                 | 1083/500-7   | —      | —      | A536         | 60-45-12            | 2789 Gr500/7                   | FGS500-7       | FCD45      | QT42-10              |
| 9  | 铸<br>钢           | 1.0420       | GS-38.3                | —            | —      | —      | A27          | Gr60-30             | 3100CrA2                       | 230-400M       | SCA1       | ZG15                 |
| 10 |                  | 1.0443       | GS-45                  | —            | —      | —      | A27          | Gr65-35             | 3100GrA3                       | 280-480M       | SCA2       | ZG 25                |
| 11 |                  | 1.0446       | GS-45.3                | —            | —      | —      | A27          | Gr70-36             | 3100GrA3                       | 280-480M       | SCA2       | ZG25                 |
| 12 | 合<br>金<br>铸<br>钢 | 1.4008       | G-X12Cr14              | —            | —      | —      | A743         | GrCA-15             | 3100 410C21                    | Z12CN13.02N    | SCS1       | ZG1Cr13              |
| 13 |                  | 1.4027       | G-X20Cr14              | —            | —      | —      | A743         | GrCA-15.<br>GrCA-40 | 3100 420C29                    | (Z20C13M)      | SCS2       | ZG2Cr13              |
| 14 |                  | 1.4059       | G-X22 CrNi17           | —            | —      | —      | A743         | GrCB-30             | 3146ANC2                       | Z22CN17.01M    | SCS12      | ZG1Cr17Ni12          |
| 15 |                  | 1.4138       | G-X120 CrMo292         | —            | —      | —      | A743         | ~GrCC-50            | —                              | Z120CD29.02M   | —          | —                    |
| 16 |                  | 1.4308       | G-X6 CrNi189           | —            | —      | J92600 | A351<br>A743 | GrCF-8              | 1504 304C15<br>3100 304C15     | Z6CN18.10M     | SCS13      | ZG0Cr18Ni9           |
| 17 |                  | 1.4313       | G-X5 CrNi134           | —            | —      | 92650  | A743<br>A757 | GrCA-6NM<br>GrE3N   | —                              | Z6CN13.04M     | SCS5       | —                    |
| 18 |                  | 1.1336       | G-X20 CrNi248          | —            | —      | —      | —            | —                   | —                              | (Z20CN24.08M)  | —          | —                    |
| 19 |                  | 1.4340       | G-X40 CrNi274          | —            | —      | J92615 | A743         | ~GrCC-50            | —                              | (Z40CN13.04M 0 | —          | —                    |
| 20 |                  | 1.4405       | G-X5 CrMo165           | DP4991C45    | —      | —      | A743         | ~GrCA-6NM           | —                              | —              | —          | —                    |
| 21 |                  | 1.4408       | G-X6CrNiMo1810         | —            | —      | —      | A351<br>A743 | GrCF-8M             | 1504 316C16<br>3100 316C16     | Z6CND18.12M    | SCS14      | ZG0Cr18Ni12Mo<br>2   |
| 22 |                  | 1.4463       | G-X6CrNiMo2482         | —            | —      | —      | —            | —                   | —                              | —              | —          | —                    |
| 23 |                  | 1.4500       | G-X7NiCrMoCuNb2<br>520 | —            | —      | —      | A351<br>A743 | GrCN-7M             | —                              | Z3NCDU25.20M   | SCS23      | —                    |
| 24 |                  | 1.4552       | G-X7CrNiNb189          | —            | —      | —      | A351<br>A743 | GrCF-8C             | 1504 347C17<br>3100 347C17     | Z6CNNb18.10M   | SCS21      | ZG0Cr18Ni11Nb        |
| 25 |                  | 1.4581       | G-X7CrNiMoNb1810       | —            | —      | —      | A351         | GrCF-10MC           | 3100 318C17                    | Z6NNb18.12M    | SCS22      | ZG0Cr18Ni12Mo<br>2Nb |
| 26 | 1.6902           | G-X6CrNi1810 | —                      | —            | J92720 | A351   | ~GrCF-8      | —                   | Z6CN18.10M                     | SCS13          | ZG0Cr18Ni9 |                      |
| 27 | 结<br>构<br>钢      | 1.1121       | Ck10                   | 683/XI Type2 | 1010   | G10100 | A576         | Gr1010              | ~970 040A10<br>970 045M10      | XC10           | S10C       | 10                   |
| 28 |                  | 1.1141       | Ck15                   | 683/XI Type2 | 1015   | G10150 | A29<br>A576  | Gr1015<br>Gr1017    | ~970 040A15<br>970 080M15      | XC18           | S15C       | 15                   |
| 29 |                  | 1.1151       | Ck22                   | 683/1 C25e   | 1023   | G10230 | A29          | Gr1023              | ~970 050A20                    | XC25           | S25C       | 25                   |

|    |             |        |                 |              |            |         |              |                    |                          |                              |          |                |
|----|-------------|--------|-----------------|--------------|------------|---------|--------------|--------------------|--------------------------|------------------------------|----------|----------------|
|    | 构           |        |                 |              |            | A576    |              | 970 070M20         |                          |                              |          |                |
| 30 | 钢           | 1.1157 | 40Mn4           | —            | 1039       | G10390  | A29<br>A576  | Gr1039             | 970 150M36               | 35M5                         | —        | 40Mn           |
| 31 |             | 1.1158 | Ck25            | 683/1 25c    | 1025       | G10250  | A108<br>A576 | Gr1025             | 970 060A25               | XC25                         | S25C     | 25             |
| 32 |             | 1.1181 | Ck35            | 683/1 C35e   | 1034       | G10340  | A29          | Gr1034             | 970 060A35<br>970 080M40 | XC38H1                       | S35C     | 35             |
| 33 |             | 1.1191 | Ck45            | 683/1 C45e   | 1045       | G10450  | A108<br>A576 | Gr1045             | 970 080M46<br>970 070M55 | XC48H1                       | S45C     | 45             |
| 34 |             | 1.1221 | Ck60            | 683/1 C60e   | 1064       | G10640  | A29          | Gr1064             | 970 060A62<br>970 080A62 | —                            | S58C     | 60             |
| 35 |             | 1.4006 | X10Cr13         | 683/XIII 3   | 410        | S41000  | A276<br>A182 | Type410<br>GrF6a   | 970 410S21               | Z12C13<br>Z10C13             | SuS410   | 1Cr13          |
| 36 |             | 1.4021 | X20Cr13         | 683/XIII 4   | ~420       | ~S42000 | A276         | Type420            | 970 420S37               | Z20C13                       | SuS420J1 | 2Cr13          |
| 37 |             | 1.4024 | X15Cr13         | —            | —          | —       | —            | —                  | 970 420S29               | ~Z12C13                      | SuS410J1 | 1Cr13Mo        |
| 38 |             | 1.4028 | X30Cr13         | 683/VIII 5   | —          | —       | —            | —                  | ~970 420S45              | Z30C14                       | SuS420J2 | 3Cr13          |
| 39 |             | 1.4034 | X40Cr13         | 683/VIII 5a  | ~420       | ~S42000 | —            | —                  | ~970 420S45              | Z40C14                       | —        | 4Cr13          |
| 40 |             | 1.4057 | X22CrNi17       | 683/XIII 9   | 431        | S43100  | A376         | Type431            | 970 431S29               | (Z22CN17)<br>~Z15CN16.02     | SuS431   | 1Cr17Ni2       |
| 41 |             | 1.4104 | X12CrMoS17      | 683/T13 8a   | ~<br>430F  | ~S43020 | —            | —                  | —                        | Z10CF17                      | SuS304F  | 1Cr17          |
| 42 |             | 1.4300 | X12CrNi188      | —            | ~302       | ~S30200 | —            | —                  | ~970 302S25              | ~Z10CN18.09                  | SuS302   | 1Cr18Ni9       |
| 43 |             | 1.4301 | X5CrNi189       | 683/XIII 11  | 304        | S30400  | A271<br>A276 | Type304            | 970 304S15               | Z6CN18.09                    | SuS304   | 0 Cr19Ni9      |
| 44 |             | 1.4306 | X2CrNi189       | 683/XIII 10  | 304L       | S30403  | A276         | Type304L           | 970 304S12               | Z2CN18.10                    | SuS304L  | 00Cr19Ni11     |
| 45 | 高<br>合<br>金 | 1.4401 | X5CrNiMo1810    | 683/XIII 20  | 316        | S31600  | A276<br>A182 | Type316<br>Gr F316 | 970 316S16               | Z6CND17.11                   | SuS316   | 0Cr17Ni12Mo2   |
| 46 | 钢           | 1.4404 | X2CrNiMo1810    | 683/XIII 19  | 316L       | S31603  | A276         | Type316L           | ~970 316S12              | Z2CND17.12                   | SuS316L  | 00Cr17Ni14Mo2  |
| 47 |             | 1.4406 | X2CrNiMoN1812   | —            | 316L<br>N  | —       | A276         | Type316LN          | 1501 316S61-3            | —                            | —        | —              |
| 48 |             | 1.4435 | X2CrNiMo1812    | 683/XIII 19a | 316L       | S31603  | A276         | Type316L           | 970 316S12               | Z2 CND17.13                  | SuS316L  | 00Cr17Ni14Mo2  |
| 49 |             | 1.4436 | X5CrNiMo1812    | 683/XIII 20a | 316        | S31600  | A276<br>A182 | Type316<br>Gr F316 | 970 316S16               | Z6 CND17.12                  | SuS316   | 0Cr17Ni12Mo2   |
| 50 |             | 1.4460 | X8CrNiMo275     | —            | ~329       | ~S32900 | —            | —                  | —                        | (Z8 CND27.05)                | SuS329J1 | 0Cr26Ni5Mo2    |
| 51 |             | 1.4541 | X10CrNiTi189    | 683/XIII 15  | 321        | S32100  | A276<br>A193 | Type321<br>B8T     | 170 321S12<br>980-LW18   | Z6 CNT18.10                  | SuS321   | 0Cr18Ni11Ti    |
| 52 |             | 1.4542 | X5CrNiCuNb174   | 683T16 1     | 630        | S17400  | A564         | ~Type630           | ~(17/4/2, 5PH)           | Z6 CNU17.04                  | SuS630   | 0Cr17Ni4Cu4Nb  |
| 53 |             | 1.4550 | X10CrNiNb189    | 683/XIII 16  | 347        | S34700  | A276         | Type347            | 970 347S17               | Z6 CNNb18.10                 | SuS347   | 0Cr18Ni11Nb    |
| 54 |             | 1.4571 | X10CrNiMoTi1810 | 683/XIII 21  | ~<br>316Ti | ~S31635 | A276         | ~Type316Ti         | 970 320S17               | Z6 CNDT17.13<br>Z6 CNDT17.12 | —        | 1Cr18Ni12Mo2Ti |
| 55 |             | 1.6900 | X12CrNi189      | —            | 302        | S30200  | —            | —                  | —                        | ~Z10 CN18.09                 | SuS302   | 1Cr18Ni9       |