

マルテンサイト系低合金耐摩耗鋼鑄鋼品

MARTENSITIC LOW ALLOY ABRASION RESISTANT STEEL CASTINGS

| | Domestic Designation | C | Si | Mn | P max. | S max. | Ni | Cr | Mo | heat treatment | Yield Point N/mm ² min. | Tensile Strength N/mm ² min. | Elongation % min. | Charpy Impact J min. | Hardness HS |
|------|----------------------|----------------|----------------|----------------|--------|--------|----------------|----------------|----------------|----------------|------------------------------------|---|-------------------|----------------------|-------------|
| 9-1 | YAST 1 | 0.35 ~ 0.45 | 0.60 | 1.20 ~ 1.50 | 0.030 | 0.030 | - | 0.80 ~ 1.20 | 0.20 ~ 0.40 | AN Q T | 540 | 780 | 10 | 40 | 35 ~ 45 |
| 9-2 | YAST 2 | 0.35 ~ 0.45 | 0.60 | 1.20 ~ 1.50 | 0.030 | 0.030 | - | 2.00 ~ 3.00 | 0.20 ~ 0.40 | AN Q T | 740 | 980 | 3 | 15 | 55 ~ 65 |
| 9-3 | YAST 2B | 0.35 ~ 0.45 | 0.60 | 1.20 ~ 1.50 | 0.030 | 0.030 | - | 2.00 ~ 3.00 | 0.20 ~ 0.40 | AN Q T | 880 | 1280 | 2 | 20 | 65 ~ 75 |
| 9-4 | YAST 3 | 0.35 ~ 0.45 | 0.60 | 1.20 ~ 1.50 | 0.030 | 0.030 | 1.20 ~ 1.80 | 2.00 ~ 3.00 | 0.20 ~ 0.40 | AN Q T | 640 | 980 | 5 | 30 | 50 ~ 60 |
| 9-5 | YAST 5 | 0.35 ~ 0.45 | 0.60 | 0.90 ~ 1.20 | 0.030 | 0.030 | 2.00 ~ 2.50 | 0.60 ~ 1.00 | 0.20 ~ 0.40 | AN Q T | 1080 | 1280 | 2 | 15 | 65 ~ 75 |
| 9-6 | YAST 6 | 0.40 ~ 0.50 | 0.60 | 0.40 ~ 0.70 | 0.030 | 0.030 | 2.50 ~ 3.50 | 1.30 ~ 1.70 | 0.20 ~ 0.40 | AN Q T | 540 | 780 | 10 | 50 | 35 ~ 45 |
| 9-7 | YAST 7 | 0.23 ~ 0.35 | 0.60 | 0.90 ~ 1.20 | 0.030 | 0.030 | 1.50 ~ 2.00 | 0.40 ~ 0.80 | 0.20 ~ 0.40 | AN Q T | 540 | 740 | 10 | 40 | 30 ~ 45 |
| 9-8 | YAST 8 | 0.50 ~ 0.60 | 0.70 ~ 1.30 | 1.20 ~ 1.50 | 0.030 | 0.030 | 1.00 ~ 1.50 | 1.20 ~ 1.80 | 0.20 ~ 0.40 | AN Q T | 780 | 980 | 2 | | 60 |
| 9-9 | YAST 8M | 0.40 ~ 0.50 | 0.70 ~ 1.30 | 1.20 ~ 1.50 | 0.030 | 0.030 | 1.00 ~ 1.50 | 1.20 ~ 1.80 | 0.20 ~ 0.40 | AN Q T | 780 | 980 | 5 | | 55 ~ 60 |
| 9-10 | YNC 3B | 0.35 ~ 0.40 | 0.60 | 1.10 ~ 1.50 | 0.030 | 0.030 | 1.60 ~ 1.90 | 0.50 ~ 0.90 | 0.15 ~ 0.35 | AN Q T | - | - | - | | 68 ~ 75 |