

## NI RESIST

**CAPACITY**

**4 TONNES**

### GRADES

Grade	N/mm <sup>2</sup>	Material Properties
F1	170 - 240	Good resistance to corrosion of dilute acids, alkalis and sea water. Good heat resistance. Mining and flanges.
F2	170 - 240	Similar to F1 but with more corrosion resistance to alkalis
S2	370 - 490	Similar to F2 but with superior mechanical properties: marine
S5	370 - 490	Excellent resistance to growth and scaling up to 850 deg. C Low thermal expansion and good thermal shock resistance

### COMPARISONS

ASTMA 436-84	ISO2892-1973	DIN1694	BS3468:1996	BSEN13835:2002
	<b>Flake Graphite</b>	<b>Ni-Resist</b>		
NiMn13-7	L-NiMn13 7	GGL-NiMn13 7	-	EN-JL3021
Type1	L-NiCuCr15 6 2	GGL-NiCuCr15 6 2	GradeF1	EN-JL3011
Type1b	L-NiCuCr15 6 3	GGL-NiCuCr15 6 2	-	-
Type2	L-NiCr20 2	GGL-NiCr20 2	GradeF2	-
Type2b	L-NiCr20 3	GGL-NiCr20 3	-	-
Nicrosilal	L-NiSiCr20 5 3	GGL-NiSiCr20 5 3	-	-
Type3	L-NiCr30 3	GGL-NiCr30 3	GradeF3	-
Type4	L-NiSiCr30 5 5	L-NiSiCr30 5 5	-	-
Type5	L-Ni35	-	-	-
Type6	-	-	-	-
	<b>Spheroidal Graphite</b>	<b>Ductile Ni-Resist</b>		
TypeD-2	S-NiCr20 2	GGG-NiCr20 2	GradeS2	EN-JS3011
TypeD-2W	-	GGG-NiCrNb20 2	GradeS2W	EN-JS3031
TypeD-2B	S-NiCr20 3	GGG-NiCr20 3	GradeS2B	-
NicrosilalSpheronic	S-NiSiCr20 5 2	GGG-NiSiCr20 5 2	-	-
TypeD-2C	S-Ni22	GGG-Ni22	GradeS2C	EN-JS3041
TypeD-2M	S-NiMn23 4	GGG-NiMn23 4	GradeS2M	EN-JS3021
TypeD-3A	S-NiCr30 1	GGG-NiCr30 1	-	-
TypeD-3	S-NiCr30 3	GGG-NiCr30 3	GradeS3	EN-JS3081
TypeD-4A	-	GGG-NiCr30 5 2	-	-
TypeD-4	S-NiSiCr30 5 5	GGG-NiSiCr30 5 5	-	EN-JS3091
TypeD-5	S-Ni35	GGG-Ni-35	-	EN-JS3051
TypeD-5B	S-NiCr35 3	GGG-NiCr35 3	-	EN-JS3101
TypeD-5S	S-NiSiCr35 5 2	GGG-NiSiCr35 5 2	GradeS5S	EN-JS3061
TypeD-6	S-NiMn13 7	GGG-NiMn13 7	GradeS6	EN-JS3071