

TECHNICAL GUIDE

535A99/EN31

| BS970: 1955 | BS970: 1991 | COLOUR CODE | DESCRIPTION |
|-------------|-------------|---|---------------------------------|
| EN31 | 535A99 |  | Bright 1% carbon chromium steel |

| CHEMICAL ANALYSIS | |
|-------------------|-------------|
| Car | 0.95 / 1.10 |
| Sil | 0.10 / 0.35 |
| Mang | 0.40 / 0.70 |
| Phos | 0.040 max |
| Sul | 0.050 max |
| Chr | 1.20 / 1.60 |

| INTERNATIONAL SPECIFICATION COMPARISON | |
|--|--------|
| BRITISH BS 970:1991 | 535A99 |
| BRITISH BS 970:1955 | EN31 |
| GERMAN DIN | 100CR6 |
| FRENCH AFNOR | 100C6 |
| SWEDISH SS | 2258 |
| AMERICAN SAE | 52100 |
| EUROPEAN STEEL NO. | |
| EUROPEAN STEEL NAME | |
| EUROPEAN STANDARD | |

| QUICK VIEW SYSTEM | |
|------------------------------------|---|
| MACHINEABILITY | 40 |
| WELDABILITY | Seek advice |
| HARDENABILITY | |
| SELECTION GUIDE AND USAGE EXAMPLES | Machined components subject to abrasive wear & high surface loading. Ball and roller bearings |

| SIZES | | | | | | | | | | | | | |
|-----------------|-----|---|--|--|--|--|--|--|--|--|--|--|--|
| Size (ins. dia) | 1/4 | 1 | | | | | | | | | | | |

Sectors

The company specifically concentrates on supplying Precision Engineering Companies covering the automotive, defence, food, marine, medical, pharmaceutical and other manufacturing industries with their exact needs, whether it be a bar or thousands of cut pieces.



Our Service

Our service and commitment to supplying customers with high quality steels or non ferrous metals, competitively priced and backed up by a service second to none is the basis upon which the business has successfully developed since its foundation.

