

## **INTERNATIONAL WHITE IRONS & INTERCHANGE INFORMATION**

It is the company policy of intMPE to supply cast components conforming to British and International standards and/or to the customers specifications. Quality controls and systems ensure conformity with these and will, as a minimum requirement, be in accordance with BS, EN, ISO 9002: 1884, and will also embrace additional customer specific requirements as and when identified.

**BS EN 1561: 1997 FLAKE GRAPHITE IRONS:** Used for general engineering castings requiring moderate strength and no ductility.

**BS EN 1563: 1997 NODULAR IRONS:** Used for general engineering castings requiring greater strength and toughness than flake graphite iron castings.

**BS4844: 1986 ABRASION RESISTANT IRONS:** Used in applications where abrasion resistance or high hardness is required i.e. slurry pumps, grinding balls, and earth moving equipment.

**BS3468: 1986 NI-RESIST IRONS:** Used in applications where corrosion and/or heat resistance is desirable i.e. valve equipment for use in corrosive environments such as salt water, or the chemical industry.

**BS3100:1991 CARBON STEELS:** Used for general engineering castings.

**CUSTOMERS OWN SPECIFICATIONS:** We will produce to customer specifications

**INTERNATIONAL STANDARDS:** Produced to any International standard that is needed.

<b>NATIONAL STANDARD</b>	<b>FLAKE IRONS</b>	<b>NODULAR IRONS</b>	<b>AUSTENITIC IRONS</b>	<b>WHITE IRONS</b>	<b>COMPACTED GRAPHITE IRONS</b>
<b>UK</b>	<b>BSEN1561:1997</b>	<b>BSEN1563:1997</b>	<b>BS3468:1986</b>	<b>BS4844</b>	<b>1986</b>
<b>FRANCE</b>	<b>NF A32-101</b>	<b>NF A32-201</b>	<b>NF A32-301</b>	<b>NF A32-401</b>	
<b>GERMANY</b>	<b>DIN 1691</b>	<b>DIN 1693</b>	<b>DIN 1694</b>	<b>DIN 1695</b>	
<b>ITALY</b>	<b>UNI 5007</b>	<b>UNI 4544</b>			
<b>JAPAN</b>	<b>JIS.G.5501</b>	<b>JS.G.5502</b>			
<b>USA</b>	<b>ASTM A48</b>	<b>ASTM A536</b>	<b>ASTM A436</b>	<b>ASTM A532</b>	<b>ASTM A482</b>
<b>NORWAY</b>	<b>NS11 100</b>	<b>NS11 301</b>			
<b>SWEDEN</b>	<b>SS1401</b>	<b>SS 14 07 17</b> <b>SS 14 07 27</b> <b>SS 14 07 32</b> <b>Ss 14 07 37</b>	<b>SIS 14 05 23</b> <b>SIS 14 07 76</b>	<b>SIS 14 04 57</b> <b>SIS 14 04 66</b> <b>SIS 14 05 12</b> <b>SIS 14 05 13</b>	
<b>DENMARK</b>	<b>DS 11 301</b>	<b>DS 11 303</b>			

**\*\*These material specifications reflect our range of flexibility and diversity. They are not exhaustive and represent a cross section of our melting range.**