

*Static & Centrifugal

ALLOY SPECIFICATIONS

TRUSTED TO DO THE DIFFICULT THINGS

Westley Group is the strategic amalgamation of specifically chosen UK manufacturing platforms, all underpinned by the core competence of industry leading production

processes; metallurgy, special alloys, machining, assembly and critical NDT processes. We are the trusted partner for the delivery of mission critical projects, which require

the provision of high integrity metallic components and tight tolerance machining, from our uniquely UK based, in house, vertically integrated manufacturing platform.



COPPER BASED

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
BS EN 1982	CC140C	CuCr1	Chrome Copper
BS EN 1982	CC330G	CuAl9	Aluminium Bronze
BS EN 1982	CC331G	CuAl10Fe2	Aluminium Bronze
BS EN 1982	CC332G	CuAl10Ni3Fe2	Aluminium Bronze
BS EN 1982	CC333G	CuAl10Fe5Ni5	Aluminium Bronze
BS EN 1982	CC334G	CuAl11Fe6Ni6	Aluminium Bronze
BS EN 1982	CC380H	CuNi10Fe1Mn1	Copper Nickel
BS EN 1982	CC381H	CuNi30Fe1Mn1	Copper Nickel
BS EN 1982	CC480K	CuSn10	Phosphor Bronze
BS EN 1982	CC481K	CuSn11P	Phosphor Bronze
BS EN 1982	CC482K	CuSn11Pb2	Phosphor Bronze
BS EN 1982	CC483K	CuSn12	Phosphor Bronze
BS EN 1982	CC484K	CuSn12Ni2	Phosphor Bronze
BS EN 1982	CC490K	CuSn3Zn8Pb5	Gunmetal
BS EN 1982	CC491K	CuSn5Zn5Pb5	Gunmetal
BS EN 1982	CC492K	CuSn7Zn2Pb3	Gunmetal
BS EN 1982	CC493K	CuSn7Zn4Pb7	Gunmetal
BS EN 1982	CC494K	CuSn5Pb9	Leaded Bronze
BS EN 1982	CC495K	CuSn10Pb10	Leaded Bronze
BS EN 1982	CC496K	CuSn7Pb15	Leaded Bronze
BS EN 1982	CC497K	CuSn5Pb20	Leaded Bronze
BS EN 1982	CC498K	CuSn6Zn4Pb2	Gunmetal
BS EN 1982	CC750S	CuZn33Pb2	Leaded Brass
BS EN 1982	CC762S	CuZn25Al5Mn4Fe3	High Tensile Brass
BS EN 1982	CC764S	CuZn34Mn3Al2Fe1	High Tensile Brass
BS EN 1982	CC765S	CuZn35Mn2Al1Fe1	High Tensile Brass
BS 1400	AB1	CuAl10Fe3	Aluminium Bronze
BS 1400	AB2	CuAl10Fe5Ni5	Aluminium Bronze
BS 1400	AB3	CuAl6Si2Fe	Aluminium Silicon Bronze
BS 1400	CMA1	CuMn13Al8Fe3Ni3	Copper-Manganese-Aluminium
BS 1400	CMA2	CuMn13Al9Fe3Ni3	Copper-Manganese-Aluminium
BS 1400	CT1	CuSn10	Phosphor Bronze
BS 1400	CT2	CuSn12Ni	Phosphor Bronze
BS 1400	PB1	CuSn10P	Phosphor Bronze
BS 1400	PB2	CuSn11P	Phosphor Bronze
BS 1400	PB4	CuSn10PbP	Phosphor Bronze
BS 1400	LPB1	CuSn7PbP	Leaded Phosphor Bronze
BS 1400	LB1	CuPb15Sn9	Leaded Bronze
BS 1400	LB2	CuSn10Pb10	Leaded Bronze
BS 1400	LB4	CuSn5Pb9	Leaded Bronze
BS 1400	LG1	CuSn3Pb5Zn8	Gunmetal
BS 1400	LG2	CuSn5Pb5Zn5	Gunmetal
BS 1400	LG4	CuSn7Pb3Zn3	Gunmetal
BS 1400	G1	CuSn10Zn2	Gunmetal
BS 1400	HTB1	CuZn35AlFeMn	High Tensile Brass
BS 1400	HTB3	CuZn28Al5FeMn	High Tensile Brass
BS 1400	DCB1	CuZn40	Brass
BS 1400	SCB3	CuZn33Pb2	Brass
BS 1400	SCB4	CuZn36Sn	Brass
BS 1400	CC1-TF	CuCr1	Chrome Copper
BS 1400	CN1	CuNi30Cr	Copper Nickel Chrome
BS 1400	HCC1	Cu	Copper
BS 1400	DCB3	CuZn40Pb	Brass
DEF STAN 02-747	-	-	Aluminium Bronze
DEF STAN 02-824	-	-	Copper Nickel Chrome
DEF STAN 02-830	-	-	Gunmetal
DEF STAN 02-834	-	-	Aluminium Silicon Bronze
DEF STAN 02-839	-	-	White Metal
DEF STAN 07-258	-	-	Crown Metal
DIN 1705	GZ SnBz12	GZ CuSn12	Phosphor Bronze
DIN 1705	GBz 12Ni	GZ CuSn12Ni	Phosphor Bronze
DIN 1705	GBz 12Pb	GZ CuSn12Pb	Phosphor Bronze
DIN 1705	RG7	GZ CuSn7ZnPb	Gunmetal
DIN 1705	RG5	GZ-CuSn5ZnPb	Gunmetal
DIN 1705	RG10	GZ-CuSn10Zn	Tin-Bronze

*Continued on next page.



COPPER BASED CONTINUED

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
DIN 1709	GZ CuZn35Al1	-	High Tensile Brass
DIN 1709	GZ CuZn34Al2	-	High Tensile Brass
DIN 1709	GZ CuZn25Al5	-	High Tensile Brass
DIN 1714	GZ CuAl10Fe	-	Aluminium Bronze
DIN 1714	GZ CuAl9Ni	-	Aluminium Bronze
DIN 1714	GZ CuAl10Ni	-	Aluminium Bronze
DIN 1714	GZ CuAl11Ni	-	Aluminium Bronze
DIN 1716	GZ CuPb10Sn	-	Leaded Bronze
DIN 1716	GZ CuPb15Sn	-	Leaded Bronze
ASTM B271	C83600	-	Gunmetal
ASTM B271	C86200	-	High Tensile Brass
ASTM B271	C86300	-	High Tensile Brass
ASTM B271	C86500	-	High Tensile Brass
ASTM B271	C86700	-	High Tensile Brass
ASTM B271	C90300	-	Tin Bronze
ASTM B271	C90500	-	Tin Bronze
ASTM B271	C92200	-	Gunmetal
ASTM B271	C92300	-	Gunmetal
ASTM B271	C93200	-	Gunmetal
ASTM B271	C93500	-	Leaded Bronze
ASTM B271	C93600	-	Leaded Bronze
ASTM B271	C93700	-	Leaded Bronze
ASTM B271	C93800	-	Leaded Bronze
ASTM B271	C95200	-	Aluminium Bronze
ASTM B271	C95300	-	Aluminium Bronze
ASTM B271	C95400	-	Aluminium Bronze
ASTM B271	C95410	-	Aluminium Bronze
ASTM B271	C95500	-	Aluminium Bronze
ASTM B271	C95520	-	Aluminium Bronze
ASTM B271/B148	C95800	-	Aluminium Bronze
ASTM B271	C95900	-	Aluminium Bronze
ASTM B271	C97300	-	Nickel Leaded Brass
ASTM B271	C97600	-	Nickel Leaded Brass
ASTM B271	C97800	-	Nickel Leaded Brass
ASTM B369	C96400	-	Copper Nickel
ASTM B369	C96200	-	Copper Nickel
AMS 4880	-	-	Aluminium Bronze
AMS 4881	-	-	Aluminium Bronze

DUPLEX STEEL

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
ASTM A890/A995	1B	J93372	Duplex Steel ●
ASTM A890/A995	1C	J93373	Duplex Steel ●
ASTM A890/A995	2A	J93345	Duplex Steel ●
ASTM A890/A995	3A	J93371	Duplex Steel ●
ASTM A890/A995	4A	J92205	Duplex Steel ●
ASTM A890/A995	5A	J93404	Duplex Steel ●
ASTM A890/A995	6A	J93380	Duplex Steel ●
BS EN 10088	X30Cr13	1.4028	Duplex Steel ●
BS EN 10088	X39CrMo 17-1	1.4122	Duplex Steel ●
BS EN 10283	GX4CrNi 13-4	1.4317	Duplex Steel ●
BS EN 10283	GX4CrNiMo 16-5-1	1.4405	Duplex Steel ●
BS EN 10283	GX2CrNiMoN 22-5-3	1.4470	Duplex Steel ●

● = Only centrifugal process



CAST IRON

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
ASTM A48	Class 20 A-S	-	Cast Iron ●
ASTM A48	Class 25 A-S	-	Cast Iron ●
ASTM A48	Class 30 A-S	-	Cast Iron ●
ASTM A48	Class 35 A-S	-	Cast Iron ●
ASTM A48	Class 40 A-S	-	Cast Iron ●
ASTM A48	150 A-S	-	Cast Iron ●
ASTM A48	175 A-S	-	Cast Iron ●
ASTM A48	200 A-S	-	Cast Iron ●
ASTM A48	225 A-S	-	Cast Iron ●
ASTM A48	250 A-S	-	Cast Iron ●
ASTM A48	275 A-S	-	Cast Iron ●
ASTM A48	300 A-S	-	Cast Iron ●
BS EN 1561 1997	EN-GJL -150	-	Cast Iron ●
BS EN 1561 1997	EN-GJL -200	-	Cast Iron ●
BS EN 1561 1997	EN-GJL-250	-	Cast Iron ●
BS EN 1561 1997	EN-GJL-300	-	Cast Iron ●
BS EN 1561 1997	EN-GJL-350	-	Cast Iron ●
BS 1452	Grade 100	-	Cast Iron ●
BS 1452	Grade 150	-	Cast Iron ●
BS 1452	Grade 180	-	Cast Iron ●
BS 1452	Grade 200	-	Cast Iron ●
BS 1452	Grade 220	-	Cast Iron ●
BS 1452	Grade 250	-	Cast Iron ●
BS 1452	Grade 300	-	Cast Iron ●
BS 1452	Grade 350	-	Cast Iron ●
ASTM A278	Class 20-Class 40	-	Cast Iron ●

● = Only centrifugal process

SPHEROIDAL GRAPHITE IRON

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
BS 2789	420/12	-	Spheroidal Graphite Iron ●
BS 2789	350/22	-	Spheroidal Graphite Iron ●
BS 2789	500/7	-	Spheroidal Graphite Iron ●
BS 2789	600/3	-	Spheroidal Graphite Iron ●
BS 2789	700/2	-	Spheroidal Graphite Iron ●
ISO 17804	JS/1050/6 C	-	Spheroidal Graphite Iron ●
DIN 1694	GGG-NiSiCr 30 5 5	-	Spheroidal Graphite Iron ●
ASTM A536	120-90-02	-	Spheroidal Graphite Iron ●
ASTM A439	D4	-	Spheroidal Graphite Iron ●

● = Only centrifugal process

AUSTENITIC IRON

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
ASTM A439	D2, D3, D3A	-	Austenitic Iron ●
ASTM A436	Types 1-4, 1B, 2B	-	Austenitic Iron ●
BS 3468	F1, F2, S2, S2W	-	Austenitic Iron ●
BS 3468	F3, S2B	-	Austenitic Iron ●

● = Only centrifugal process



STAINLESS STEEL

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
ASTM A743	CA6NM	J91540	Stainless ●
ASTM A743/A351	CA15	J91150	Stainless ●
ASTM A743/A351	CA40	J91153	Stainless ●
ASTM A743/A351	CF3	J92500	Stainless ●
ASTM A743/A351	CF3M	J92800	Stainless ●
ASTM A743/A351	CF8	J92600	Stainless ●
ASTM A743/A351	CF8M	J92900	Stainless ●
ASTM A743/A351	CG6MMN	J93790	Stainless ●
ASTM A743/A351	CK3MCuN	J93254	Stainless ●
ASTM A743/A351	CN3M	J94652	Stainless ●
ASTM A743/A351	CN3MN	J94651	Stainless ●
ASTM A743/A351	CN7M	N08007	Stainless ●
BS3100	410C21	-	Stainless ●
BS3100	425C11	-	Stainless ●
BS3100	420C29	-	Stainless ●
BS3100	304C12	-	Stainless ●
BS3100	304C15	-	Stainless ●
BS3100	347C17	-	Stainless ●
BS3100	316C12	-	Stainless ●
BS3100	316C16	-	Stainless ●
BS3100	310C40	-	Stainless ●
BS 1504	420C29	-	Stainless ●
BS 1504	425C11	-	Stainless ●
BS 1504	304C15	-	Stainless ●
BS 1504	347C17	-	Stainless ●
BS 1504	316C12	-	Stainless ●
BS 1504	316C16	-	Stainless ●
BS 1504	317C16	-	Stainless ●
BS 1504	310C40	-	Stainless ●
BS 1504	318C17	-	Stainless ●
BS 1504	347C17Ti	-	Stainless ●
BS EN 10213	GX5 CrNiMo 19-11-2	1.4408	Stainless ●
BS EN 10213	GX2 CrNiMo 19-11-2	1.4409	Stainless ●
BS EN 10213	GX2CrNiMoN 22-5-3	1.4470	Stainless ●
BS EN 10283	GX4 CrNiMo 16-5-1	1.4405	Stainless ●
BS EN 10283	GX4 CrNiN 26-7	1.4347	Stainless ●
BS EN 10283	GX2 CrNiMoN 22-5-3	1.4470	Stainless ●
BS EN 10283	GX2 CrNiMoCuN 25-6-3-3	1.4517	Stainless ●
BS EN 10283	GX5 CrNi 19-10	1.4308	Stainless ●
BS EN 10283	GX5 CrNiMo 19-11-2	1.4408	Stainless ●
BS EN 10283	GX4 CrNi 13-4	1.4317	Stainless ●
DIN SEW 410	GX20Cr14	1.4027	Stainless ●
DIN SEW 410	GX22CrNi17	1.4059	Stainless ●
DIN SEW 410	GX70Cr29	1.4085	Stainless ●
DIN SEW 410	GX120CrMo 29-2	1.4138	Stainless ●
DIN 17445	GX20Cr14	1.4027	Stainless ●
DIN 17445	GX22CrNi17	1.4059	Stainless ●
DIN 17445	GX5CrNi 13 4	1.4313	Stainless ●
ASTM A487	CA6NM All Grades	J91540	Stainless ●
ASTM A487	CA15	J91150	Stainless ●
ASTM A747	CB7Cu-1	J92180	Stainless ●
ASTM A747	CB7Cu-2	J92110	Stainless ●

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COBALT BASE

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
WBA 587	In-House	30/587 derivative	Cobalt Base

NICKEL BASED

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
BS 3071	NA1	-	Nickel Copper
BS 3071	NA2	-	Nickel Copper
BS 3071	NA3	-	Nickel Copper
ASTM A494	CW6MC	-	Nickel Chrome
ASTM A494	CX2MW	-	Nickel Chrome
ASTM A494	Cu5MCuC	-	Iron-Nickel-Chrome
ASTM A494	CW12MW	-	Nickel-Chrome-Iron
ASTM A494	M35-1	-	Nickel Copper
ASTM A494	M35-2	-	Nickel Copper
ASTM A494	M25S	-	Nickel Copper
ASTM A494	M30C	-	Nickel Copper
MIL-C-24615A	GRADE B	-	Nickel-Chrome

ALUMINIUM BASE

SPECIFICATION	GRADE	DESIGNATION	DESCRIPTION
BS 1490	LM4	Al-Si5Cu3Mn0.5	Aluminium Base
BS 1490	LM5	Al-Mg5Mn0.5	Aluminium Base
BS 1490	LM6	Al-Si12	Aluminium Base
BS 1490	LM24	Al-Si8Cu3.5	Aluminium Base
BS 1490	LM25	Al-Si7Mg0.5	Aluminium Base
BS 1490	LM27	Al-Si7Cu2Mn0.5	Aluminium Base
BS 1490	LM31	Al-Zn5Mg0.7Cr0.5Ti	Aluminium Base

To find out more about any of the products or services contact us today.

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