

Abrasion Resistant Cast Irons

Technical Data

Russell Ductile Castings Limited
 Web: www.russellductile.co.uk
 E-mail: enquiries@russellductile.co.uk
 A member of the Chamberlin plc group

Material designation (BS EN 12513:2011)		Brinell Hardness HB	Chemical composition in % (mass fraction)						
Symbol	Number		min.	C	Si	Mn	P max.	S max.	Ni
EN-GJN-HB340	5.5600	340	2.4 - 3.9	0.4 - 1.5	0.2 - 1.0	-----	-----	-----	max. 2.0
EN-GJN-HB400	5.5601	400	2.4 - 3.9	0.4 - 1.5	0.2 - 1.0	-----	-----	-----	max. 2.0
EN-GJN-HB480	5.5602	480	2.5 - 3.0	max. 0.8	max. 0.8	0.10	0.10	3.0 - 5.5	1.5 - 3.0
EN-GJN-HB500	5.5603	500	2.4 - 2.8	1.5 - 2.2	0.2 - 0.8	0.06	0.06	4.0 - 5.5	8.0 - 10.0
EN-GJN-HB510	5.5604	510	3.0 - 3.6	max. 0.8	max. 0.8	0.10	0.10	3.0 - 5.5	1.5 - 3.0
EN-GJN-HB555	5.5605	555	2.5 - 3.5	1.5 - 2.5	0.3 - 0.8	0.08	0.08	4.5 - 6.5	8.0 - 10.0
EN-GJN-HB630	5.5606	630	3.2 - 3.6	1.5 - 2.2	0.2 - 0.8	0.06	0.06	4.0 - 5.5	8.0 - 10.0

Material designation		Brinell Hardness HB	Chemical composition in % (mass fraction)								
Symbol	Number		min.	C	Si max.	Mn	P max.	S max.	Cr	Ni max.	Mo max.
EN-GJN-HB555(XCr11)	5.5607	550	1.8 - 3.6	1.0	0.5 - 1.5	0.08	0.08	11.0 - 14.0	2.0	3.0	1.2
EN-GJN-HB555(XCr14)	5.5608	550	1.8 - 3.6	1.0	0.5 - 1.5	0.08	0.08	14.0 - 18.0	2.0	3.0	1.2
EN-GJN-HB555(XCr18)	5.5609	550	1.8 - 3.6	1.0	0.5 - 1.5	0.08	0.08	18.0 - 23.0	2.0	3.0	1.2
EN-GJN-HB555(XCr23)	5.5610	550	1.8 - 3.6	1.0	0.5 - 1.5	0.08	0.08	23.0 - 30.0	2.0	3.0	1.2