

SPECIFICATION FOR CAST (GREY) IRON

Country	Specification	Designation	150	180	200	220	250	260	300	350
India	IS 210 1978	FG	150	--	200	--	250	--	300	350
United Kingdom	BS 1452 1990	Grade	150	180	200	220	250	--	300	350
USA	ANS/ASTM A48-83	Grade	20A	25A	30A	--	35A	40A	45A	50A
Germany	DIN 1691 1985	GG	15	--	20	--	25	--	30	35
France	NFA 32-101-1987	FGL	150	--	200	--	250	--	300	350
Italy	UNI 5007 1969	G	15	--	20	--	25	--	30	35
Japan	JIS G5501 1981	FC	150	--	200	--	250	--	300	250
Russia	GOST 1412 1979	Sch	15	18	20	--	25	--	30	35
International	ISO 185-1988	Grade	150	--	200	--	250	--	300	350
		CLASS	2	--	3	--	4	--	5	6
Hardness range BHN			136-167		159-194		180-222		202-247 227-278	
Total carbon %			3.4-3.6		3.2-3.5		3.15-3.30		2.9-3.1 3.1 max	
silicon %			2.2-2.5		2.0-2.5		1.6-1.9		1.8-2.0 1.4-1.6	
Mangenes %			0.5-0.7		0.6-0.8		0.6-0.8		0.7-0.9 0.7-0.9	
Sulphur %			0.15		0.15		0.12 max		0.10 max 0.10 max	
Phosphorous %			0.9-1.2		0.4 max		0.3 max		0.10 max 0.10 max	
Molybdenum %										0.3-0.5
Cu or Ni %									0.3-0.5	1.0-1.5

NOTE: The above standards for ordering reference only the customer can specify any special requirement. All specifications are subject to change without prior notice.