Ductile Iron Comparison						Chemical Composition（%）								Matrix Structure
GB/T 1348-1988	ISO 1083:1987(E)	ASTM A536-84(2004)	EN 1563:-1997	JIS G5502-2001	ГОСТ 7293	C	Si	Mn	P	S	Mg	RE	others	
QT400-18	400-18	60-40-18① F32800	GJS-400-18 JS1020	FCD400-18	вч40	3.6-3.8	2.3-2.7	< 0.5	< 0.08	< 0.025	0.03-0.05	0.02-0.03	—	Annealed Ferrite
QT400-15	400-15	60-42-10 F32900	GJS-400-15 JS1030	FCD400-15	вч40	3.5-3.6	3.0-3.2	< 0.5	< 0.07	< 0.02	0.04	0.02	—	Annealed Ferrite
QT450-10	450-10	65-45-12 F33100	GJS-450-10 JS1040	FCD450-10	вч45	3.4-3.9	2.7-3.0	0.2-0.5	< 0.07	< 0.03	0.06-0.1	0.03-0.1	—	Annealed Ferrite
QT500-7	500-7	70-50-05	GJS-500-7 JS1050	FCD500-7	вч50	3.6-3.8	2.5-2.9	< 0.6	< 0.08	< 0.025	0.03-0.05	0.03-0.05	—	Pearlite + Ferrite
QT600-3	600-3	80-60-03② F34100	GJS-600-3 JS1060	FCD600-3	вч60	3.6-3.8	2.0-2.4	0.5-0.7	< 0.08	< 0.025	0.035-0.05	0.025-0.045	—	Normalized Pearlite
QT700-2	700-2	100-70-03 F34800	GJS-700-2 JS1070	FCD700-2	вч70	3.7-4.0	2.3-2.6	0.5-0.8	< 0.08	< 0.02	0.035-0.065	0.035-0.065	Mo0.15-0.4 Cu0.4-0.8	Mix Microstructure
QT800-2	800-2	-	GJS-800-2 JS1080	FCD800-2	вч80	3.7-4.0	< 2.5	< 0.5	< 0.07	< 0.03	—	—	Mo0.39 Cu0.82	Mix Microstructure
QT900-2	900-2	120-90-02 F36200	GJS-900-2 JS1090	-	вч90	3.5-3.7	2.7-3.0	< 0.5	< 0.08	< 0.025	0.03-0.05	0.025-0.045	Mo0.15-0.25 Cu0.5-0.7	Lower Bainite
① from ASTM A716-2003. ② from ASTM A476/A476M-2000。														