

# COMPONENTA

## MATERIAL STANDARDS

We cast grey and ductile iron and ADI, which correspond to different material standards. European standard iron qualities are specified according to customer needs, based on our long experience and customer co-operation.

CAST IRON EN 1561, 1563, 1564	TENSILE STRENGTH Rm [N/MM2] min.	0.2 % PROOF STRESS Rp 0.2 [N/MM2] min.	ELONGATION A [%] min.	BRINELL HARDNESS RANGE HBW (typical values)	MODULUS OF ELASTICITY E [kN/mm2] (typical values)
<b>GREY IRON (EN 1561)</b>					
EN-GJL-150	150...250			~135...~200	78...103
EN-GJL-200	200...300			~150...~250	88...113
EN-GJL-250	250...350			~175...~255	103...118
EN-GJL-300	300...400			~180...~275	108...137
EN-GJL-350	350...450			~200...~300	123...143
<b>DUCTILE IRON (EN 1563)</b>					
EN-GJS-400-18	400	250	18	~130...~175	169
EN-GJS-400-15	400	250	15	~135...~180	169
EN-GJS-450-10	450	310	10	~160...~210	169
EN-GJS-500-7	500	320	7	~170...~230	169
EN-GJS-600-3	600	370	3	~190...~270	174
EN-GJS-700-2	700	420	2	~225...~305	176
EN-GJS-800-2	800	480	2	~245...~335	176
<b>ADI (EN 1564)</b>					
EN-GJS-900-8	900	600	8	260...320	163...170
EN-GJS-1050-6	1000	700	5	300...360	160...168
EN-GJS-1200-3	1200	850	2	340...440	158...167
<b>SOLID-SOLUTION STRENGTHENED SPHEROIDAL GRAPHITE CAST IRON (PREN 1563)</b>					
EN-GJS-500-14	500	400	14	185...215	170
EN-GJS-600-10	600	470	10	200...230	170