

Clamason Materials & Finishes

Pre-Process Finishes

Materials Information				Pre-Process Finishes					
Material	European Grade	Equivalent	Tensile MPa–N/mm ²	Electro Zinc	Hot Dipped Galv	Tin	Silver	Gold	Black Paint
Low Carbon Steel	DC01	CR4	270-410	✓	✓				✓
Low Carbon Steel	DC03	CR3	270-370	✓	✓				✓
Low Carbon Steel	DC04	CR2	270-350	✓	✓				✓
Low Carbon Steel	DC06	CR1	270-330	✓					✓
Low Carbon Steel	DD26	CR1	270-530	✓					✓
Structural Steel	S235	A283C	360-510	✓	✓				✓
Structural Steel	S275	A570GR30	370-530	✓	✓				✓
Structural Steel	S355	A572GR50	470-620	✓	✓				✓
Structural Steel	S355	60XF	480-820	✓	✓				✓
Structural Steel	S500	070XLK	550-700	✓					✓
Structural Steel	S700		750-960	✓					✓
Carbon (Spring) Steel	C45S	C45E	A 550 - C 1050						
Carbon (Spring) Steel	C55S	C55E	A 580 - QT 1650						
Carbon (Spring) Steel	C75S	C75	A 640 - QT 1900						
Stainless Steel	X10CrNi18-8	301	515 - TR1275				✓		✓
Stainless Steel	X5CrNi18-10	303	500-700				✓		✓
Stainless Steel	X2CrNi19-11	304	540-750				✓		✓
Stainless Steel	X5CrNiMo17-12-2	316	530-660 TR300 MAX						
Copper	CW004A		200-380						
Beryllium Copper	C17200	CuBe25	200 - FH1420						
Brass	CW505L	C270	220-450						
Brass	CW508L	Cz108	270-430						
Phosphor Bronze	CW451K	PB102	400-720						
Aluminium	1050	A91050	105-145						
Aluminium	EN AW-5754	AlMg3	220-330						

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Material	European Grade	Equivalent	Tensile MPa–N/mm ²	Electro Zinc	Hot Dipped Galv	Tin	Silver	Gold	Black Paint
Aluminium	EN AW-3003	AlMn1Cu	95-135						

Post-Process Finishes

Materials Information				Post-Process Finishes								
Material	European Grade	Equivalent	Tensile MPa–N/mm ²	Electro Zinc	Hot Dipped Galv	Tin	Silver	Nickel	Zinc Nickel	E-Coat	Powder Coat	Anodise
Low Carbon Steel	DC01	CR4	270-410	✓	✓				✓	✓	✓	
Low Carbon Steel	DC03	CR3	270-370	✓	✓				✓	✓	✓	
Low Carbon Steel	DC04	CR2	270-350	✓	✓				✓	✓	✓	
Low Carbon Steel	DC06	CR1	270-330	✓					✓	✓	✓	
Low Carbon Steel	DD26	CR1	270-530	✓					✓	✓	✓	
Structural Steel	S235	A283C	360-510	✓	✓				✓	✓	✓	
Structural Steel	S275	A570GR30	370-530	✓	✓				✓	✓	✓	
Structural Steel	S355	A572GR50	470-620	✓	✓				✓	✓	✓	
Structural Steel	S355	60XF	480-820	✓	✓				✓	✓	✓	
Structural Steel	S500	070XLK	550-700	✓					✓	✓	✓	
Structural Steel	S700		750-960	✓					✓	✓	✓	
Carbon (Spring) Steel	C45S	C45E	A 550 - C 1050									
Carbon (Spring) Steel	C55S	C55E	A 550 - QT 1650									
Carbon (Spring) Steel	C75S	C75	A 660 - QT 1800									
Stainless Steel	X10CrNi18-8	301	515 - TR1275				✓				✓	
Stainless Steel	X5CrNi18-10	303	500-700				✓				✓	
Stainless Steel	X2CrNi19-11	304	540-750				✓				✓	
Stainless Steel	X5CrNiMo17-12-2	316	530-660 TR300 MAX								✓	
Copper	CW004A		200-380								✓	
Beryllium Copper	C17200	CuBe25	200 - FH1420								✓	
Brass	CW505L	C270	220-450				✓				✓	
Brass	CW508L	Cz108	270-430				✓				✓	
Phosphor Bronze	CW451K	PB102	400-720				✓				✓	

