

#### IV Processing properties and welding characteristics

Material no.	Cold workability	Polishability	Machinability	Weldability	Filler materials	Heat treatment after welding
1.4016	good	yes	good	limited	similar type	
1.4021	only when heated to 200°-400°C	can be polished to a high sheen	good	limited	similar type	martensitic steel: cool to 120°C, then anneal
1.4034	not common	can be polished to a high sheen	good	no		
1.4057	not common	can be polished to a high sheen	good	limited	similar type	heat to 300°-400°C; need to re-anneal
1.4112	not common	yes	good	no		
1.4122	not common	yes	good	limited	identical type	heat to 300°-400°C; need to re-anneal
1.4301	very good	can be polished to a high sheen	possible cold hardening	good	identical or similar type	none
1.4305	not common	polishable to a limited extent	very good	not common / welding cracks		
1.4401	very good	can be polished to a high sheen	possible cold hardening	good	identical or similar type	none
1.4404	very good	can be polished to a high sheen	possible cold hardening	good	identical or similar type	none
1.4435	very good	yes	possible cold hardening	good	identical or similar type	none
1.4541	very good	polishable to a limited extent	possible cold hardening	good	identical or similar type	none
1.4542	not common	polishable to a limited extent	good	limited	identical or similar type	relax at 250°/300°C for 1-2 h
1.4571	very good	polishable to a limited extent	possible cold hardening	good	identical or similar type	none

[Statements about the properties or applications are provided as a description.]

