

# Material in the sintering process

## Stainless sintered steels & sintered bronze



		Density	Chemical composition (mass proportion)								Hardness	
Werkstoff	Acronym (Sint)	g/cm <sup>3</sup> (P)	C (%)	Cu (%)	Ni (%)	Mo (%)	Sn (%)	P (%)	Fe (%)	Other (%)	(HB)	
Stainless sintered steels	AISI 316	C 40 D 40	6,4 - 6,8 6,8 - 7,2	< 0,08	-	10 - 14	2 - 4	-	Cr 16-19	rest	< 2	> 95 > 125
	AISI 430	C 42	6,4 - 6,8	< 0,08	-	-	-	-	Cr 16-19	rest	< 2	> 140
	AISI 410	C 43	6,4 - 6,8	< 0,3	-	-	-	-	Cr 11-13	rest	< 2	> 165
Sintered bronze	-	C 50 D 50	7,2 - 7,7 7,7 - 8,1	-	rest	-	-	9 - 11	-	-	< 2	> 35 > 45