



MATERIAL DATA SHEET 1.0718 (11SMNPB30+C)

DESCRIPTION: 1.0718 is a leaded soft machining steel with a semi-killed segregation pattern for the production of turned parts with a high cutting speed and a clean turning pattern.

CHEMICAL COMPOSITION							
%	C	Si	Mn	P	S	Pb	Fe
	< 0,14	< 0,05	0,9 - 1,30	< 0,1	0,27 - 0,33	0,15 - 0,35	Remainder

MECHANICAL PROPERTIES				
Diameter	Tensile Strength [N/mm ²]	Yield Point [N/mm ²]	Ultimate Strain A5 in [%]	Hardness [HB]
5 - 10	510 - 810	min. 440	min. 6	-
11 - 16	490 - 760	min. 410	min. 7	-
17 - 40	460 - 710	min. 375	min. 8	112 - 169
41 - 63	400 - 650	min. 305	min. 9	112 - 169
64 - 100	360 - 630	min. 245	min. 9	107 - 154

USE: Machining steel for the application regarding bulk goods of fasteners for the automotive- and metalworking industry.

NO RESPONSIBILITY IS TAKEN FOR THE CORRECTNESS OF THIS INFORMATION