

Class	Symbol	Chemical composition %						Tensile Test				Flattening Test	Bend Test		
		C	Si max.	Mn	P max.	S max.	Nb or V	Tensile strength N/mm ²	Yield strength or N/mm ²	Elongation min. % No. 11, 12 test piece lon No. 5 test piece transver		Distance between (D: outside diam	Bend angle	Inside radius (D is outside dia	
Class 11	A	STKM 11A	0.12 max.	0.35	0.60 max.	0.04	0.04	-	290	-	35	30	1/2D	180°	4 D
Class 12	A	STKM 12A	0.20 max.	0.35	0.60 max.	0.04	0.04	-	340	175	35	30	2/3D	90°	6 D
	B	STKM 12B							390	275	25	20	2/3D	90°	6 D
	c	STKM 12C							470	355	20	15	-	-	-
Class 13	A	STKM 13A	0.25 max.	0.35	0.30 - 0.90	0.04	0.04	-	370	215	30	25	2/3D	90°	6 D
	B	STKM 13B							440	305	20	15	3/4D	90°	6 D
	c	STKM 13C							510	380	15	10	-	-	-
Class 14	A	STKM 14A	0.30 max.	0.35	0.30 - 1.00	0.04	0.04	-	410	245	25	20	3/4D	90°	6 D
	B	STKM 14B							500	355	15	10	7/8D	90°	8 D
	c	STKM 14C							550	410	15	10	-	-	-
Class 15	A	STKM 15A	0.25 - 0.35	0.35	0.30 - 1.00	0.04	0.04	-	470	275	22	17	3/4D	90°	6 D
	c	STKM 15C							580	430	12	7	-	-	-
Class 16	A	STKM 16A	0.35 - 0.45	0.4	0.40 - 1.00	0.04	0.04	-	510	325	20	15	7/8 D	90°	8 D
	c	STKM 16C							620	460	12	7	-	-	-
Class 17	A	STKM 17A	0.45 - 0.55	0.4	0.40 - 1.00	0.04	0.04	-	550	345	20	15	7/8 D	90°	8 D
	c	STKM 17C							650	480	10	5	-	-	-
Class 18	A	STKM 18A	0.18 max.	0.55	1.50 max.	0.04	0.04	-	440	275	25	20	7/8 D	90°	6 D
	B	STKM 18B							490	315	23	18	7/8 D	90°	8 D
	c	STKM 18C							510	380	15	10	-	-	-
Class 1g	A	STKM 19A	0.25 max.	0.55	1.50 max.	0.04	0.04	-	490	315	23	18	7/8 D	90°	6 D
	c	STKM 19C							550	410	15	10	-	-	-
Class 20	A	STKM 20A	0.25 max.	0.55	1.60 max.	0.04	0.04	1)	540	390	23	18	7/8 D	90°	6 D