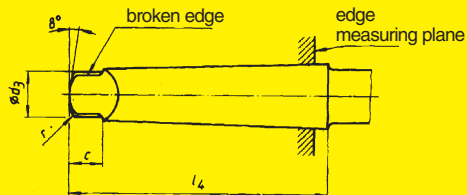
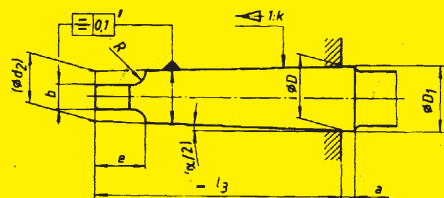


External tool tapers with tongue

according to Swedish Standard SS 100. (Corresponds in appropriate parts with ISO 296.)



Size designation	Taper 1:k	$\alpha/2$	D	$d_2^{1)}$	$D_1^{1)}$	l_3 max	Tongue					
							$c^{2)}$ min	e max	d_3 max	w H13	R max	
Morse taper	0	1:19,212	1°29'27	9,045	6,1	9,2	56,5	6,5	10,5	6	3,9	4
	1	1:20,047	1°25'43	12,065	9	12,2	62	8,5	13,5	8,7	5,2	5
	2	1:20,02	1°25'50	17,78	14	18	75	10	16	13,5	6,3	6
	3	1:19,922	1°26'16	23,825	19,1	24,1	94	13	20	18,5	7,9	7
	4	1:19,254	1°29'15	31,267	25,2	31,6	117,5	16	24	24,5	11,9	8
	5	1:19,002	1°30'26	44,399	36,5	44,7	149,5	19	29	35,7	15,9	10
	6	1:19,18	1°29'36	63,348	52,4	63,8	210	27	40	51	19	13
Metric taper	80	1:20	1°25'56	80	69	80,4	220	24	48	67	26	24
	100	1:20	1°25'56	100	87	100,5	260	28	58	85	32	30
	120	1:20	1°25'56	120	105	120,6	300	32	68	102	38	36
	160	1:20	1°25'56	160	141	160,8	380	40	88	138	50	48
	200	1:20	1°25'56	200	177	201	460	48	108	174	62	60

1) Approx. values intended as guide. 2) c max = e.