

ES Aktuell

1.2311 EST, quenched and tempered
40 CrMnMo 7

Tensile strength:
950–1100 N/mm²

Characteristic or application:

Quenched and tempered plastic mould steel up to a thickness of approx. 400 mm (for material cross sections over

400 mm we recommend ES Multiform SL), good polishability, optimally suitable for graining.

Diameter in mm	Availability: peeled or machined																	
	20,5	26	31	36	41	46	51	56	61	66	71	76	81	91	101	111	121	131
	141	151	161	172	182	192	202	212	222	232	252	272	282	303	323	353	383	403

Thickness in mm	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130
30	50	40	200	50	1010	60	1010	80	1010	80	1010	100	1010	160	160	300	150	800	
40	60	50	250	60	1250	80	1250	100	1250	100	1250	100	1250	200	200	400	200	1010	
50	80	60	300	80	2000	100	2000	120	2000	160	2000	130	2000	250	250	500	250	1250	
60	100	80	1010	100	120	130	200	160	300	550	300	2000							
80	160	100	1250	120	130	160	250	200	350	350	600	350							
100	200	130	2000	130	160	200	300	250	400	400	800	400							
120	250	160	160	200	250	350	300	450	450	1010	450								
160	300	200	200	250	300	400	350	500	500	1250	500								
200	350	250	250	300	350	450	400	600	600	2000	550								
250	500	300	300	350	400	500	450	800	800	600									
300	800	350	350	400	450	600	500	1010	1010	800									
500	1010	400	400	450	500	1010	550	1250	1250	1010									
1010	1250	500	450	500	600	1250	600	2000	2000	1250									
1250	2000	600	500	600	800	2000	800	2000											
2000	1010	600	1010	1010	1010														
		1250	800	1250	1250	1250													
		2000	1010	2000	2000	2000													
			1250																
			2000																

Thickness in mm	140	150	160	175	185	195	205	215	235	255	275	305	325	355	375	405
250	300	350	800	700	800	400	805	805	805	805	505	805	805	805	805	
300	400	400	1010	800	1010	450	905	905	905	1010	805	1010	1010	1010	1010	
350	450	500	1250	1010	1250	500	1010	1010	1010	1250	905	1250	1250	1250	1250	
400	500	600	2000	1250	2000	600	1250	1250	1250	1600	1010	1600	1600	1600	1600	
450	600	800	2000	800	1600	1600	1600	1250								
500	800	1010	1010	1600												
550	1010	1250	1250													
600	1250	2000	2000													
800	2000															
1010																
1250																
2000																

Square in mm	30	40	50	60	70	80	90	100

We can saw from larger stock to meet your particular dimensional requirements at short notice.