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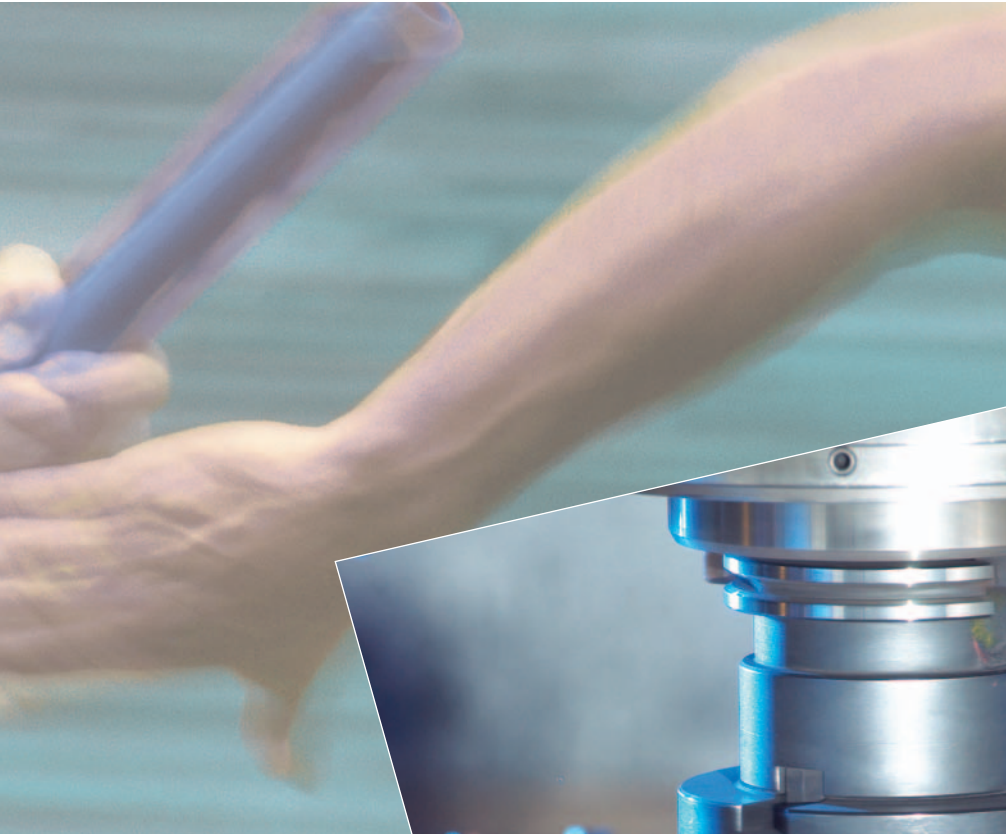
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Perfect service and rapid delivery time -

We extend our advantage to you

Achieving targets together – we are your professional partners in the tool steel sector. Our employees, an exceptionally large warehouse capacity and high-performance machinery form the basis of your success.





Leading from the outset



Since the company was founded in 1953, EschmannStahl has grown steadily and now provides comprehensive services in Germany and abroad – from supplying steel as raw material to machining and graining of completed moulds by our subsidiary EschmannTextures.

ES ULW 65

1.1730 soft-annealed
C 45 U

Characteristic or application:
components for tools, base plates for
the fabrication of tools, jigs and fixtures

Diameter in mm	Availability: up to Ø 200 mm black, from Ø 210 mm peeled or machined												
15	40	65	90	150	200	250	300	350	420	510	600		
20	45	70	95	120	160	210	260	310	360	430	520	650	
25	50	75	100	125	170	220	270	320	370	450	530	675	
30	55	80	105	130	180	230	280	330	380	480	550	700	
35	60	85	110	140	190	240	290	340	400	500	580	750	

Thickness in mm	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
40	25	30	40	40	160	50	160	60	160	70	200	90	200	100	160	100	200	120	
50	30	40	50	50	200	60	200	70	200	80	250	100	250	110	200	120	250	150	
60	40	50	60	60	220	70	250	80	250	90	300	110	300	120	250	140	300	160	
70	50	60	70	70	250	80	300	90	300	100	350	120	350	150	300	150	350	200	
80	60	70	80	80	300	90	350	100	350	110	400	130	400	160	350	160	400	250	
90	70	80	90	90	350	100	400	110	400	120	500	140	500	180	400	180	500	300	
100	80	90	100	100	400	110	500	120	500	140	600	150	600	200	500	200	600	350	
120	90	100	110	110	450	120	600	130	600	150	800	160	800	220	600	250	800	400	
150	100	110	120	120	500	130	800	140	800	160	1010	200	1010	250	800	300	1010	450	
	110	120	130	130	600	140	1010	150	1010	180	1250	250	1250	300	1010	350	1250	500	
	120	130	140	140	800	150	1250	160	1250	200	2000	300	2000	350	1250	400	2000	550	
	130	140	150	150	1010	160	2000	200	2000	250		350		400	2000	450		600	
	150	150	160	160	1250	180		250		300		400		450		500		700	
	160	160	165	165	2000	200		300		350		450		500		600		800	
	200	165	175	175		225		350		400		500		550		800		1010	
	250	175	200	200		250		400		450		550		600		1010		1250	
	300	200	215	225		275		450		500		600		700		1250		2000	
	350	215	225	250		300		500		550		700		800		2000			
	400	225	250	275		325		550		600		800		1010					
	450	250	275	300		350		600		650		1010		1250					
	500	275	300	325		375		630		700		1250		2000					
	1010	300	325	350		400		650		800		2000							
	2000	325	350	375		425		700		1010									
		350	375	400		450		800		1250									
		375	400	425		475		1010		2000									
		400	450	450		500		1250											
		450	500	500		550		2000											
		500	550	550		600													
		550	600	600		650													
		600	800	700		700													
		800	1010	800		800													
		1010	1250	1010		1010													
		1250	2000	1250		1250													
		2000		2000		2000													

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

ES ULW 65

1.1730 soft-annealed
C 45 U

Characteristic or application:
components for tools, base plates for
the fabrication of tools, jigs and fixtures

Thickness in mm	110	120	130	140	150	160	175	185	195	205	215	225	235	245	255	265	275
	160	160	160	160	200	200	200	300	400	400	805	805	805	805	805	805	805
	200	200	200	200	250	250	250	400	450	450	905	905	905	905	905	905	905
	250	250	250	250	300	300	300	450	500	500	1010	1010	1010	1010	1010	1010	1010
	300	300	300	300	350	400	350	500	550	550	1250	1250	1250	1250	1250	1250	1250
	350	350	350	350	400	450	400	550	600	600	1600	1600	1600	1600	1600	1600	1600
	400	400	400	400	450	500	450	600	800	700	2000	2000					
	450	450	500	450	500	550	500	800	905	800							
	500	500	600	500	550	600	550	1010	1010	905							
	550	550	800	550	600	700	600	1250	1250	1010							
	600	600	1010	600	800	800	800	2000	2000	1250							
	800	700	1250	800	1010	1010	1010			2000							
	1010	800	2000	1010	1250	1250	1250										
	1250	1010		1250	2000	2000	2000										
	2000	1250		2000													
	2000																

Thickness in mm	285	295	305	325	355	375	405	425	455	475	505	525	555	605
	805	1010	805	805	805	1010	1010	1010	1250	1250	1250	1600	1600	1250
	905	1250	905	905	1010	1250	1250	1250	1600	1600	1600			
	1010	1600	1010	1010	1250	1600	1600	1600						
	1250		1250	1250	1600									
	1600		1600	1600										

Square in mm											
	20	30	40	50	65	80	100	120	140	160	200
	25	35	45	60	70	90	110	130	150	180	250

ES 50 S

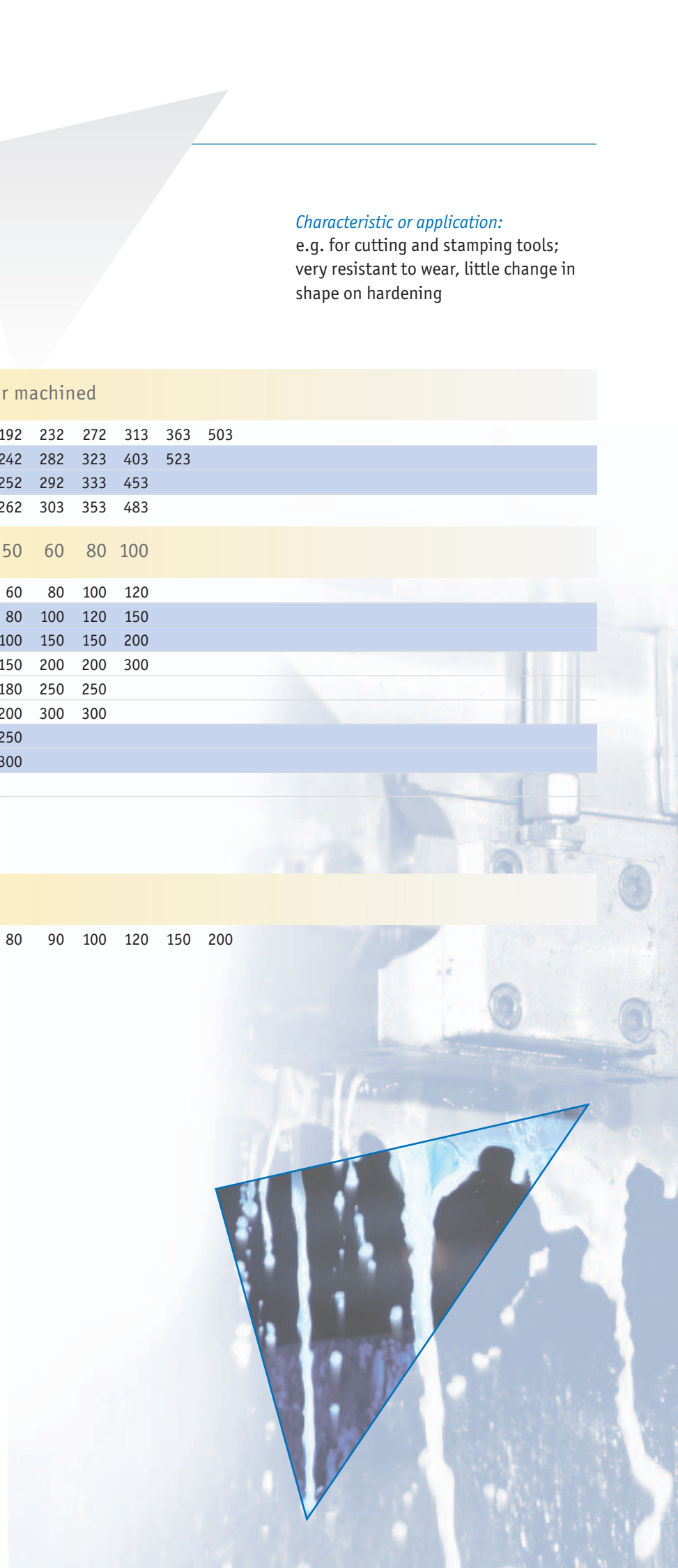
1.2080 soft-annealed
X 210 Cr 12

Characteristic or application:
e.g. for cutting and stamping tools;
very resistant to wear, little change in
shape on hardening

Diameter in mm	Availability: peeled or machined											
20.5	26	46	66	86	111	151	192	232	272	313	363	503
31	51	71	91	121	162	202	242	282	323	403	523	
36	56	76	96	131	172	212	252	292	333	453		
41	61	81	101	141	182	222	262	303	353	483		
Thickness in mm	10	15	20	25	30	40	50	60	80	100		
	30	30	30	40	50	60	60	80	100	120		
	40	50	40	50	60	80	80	100	120	150		
	50	60	50	80	80	100	100	150	150	200		
	60	80	60	100	100	150	150	200	200	300		
	70	100	80	150	120	200	180	250	250			
	80		100	200	150	250	200	300	300			
	100		120	250	180	300	250					
			150	200	200	300						
			200	250								
				300								

Square in mm												
	20	25	30	40	50	60	80	90	100	120	150	200

Other sizes can be supplied at short notice.



ES 120 K

1.2083 soft-annealed
X 40 Cr 14

Also available in EST grade.

Characteristic or application:

hardenable, corrosion-resistant steel for compression and injection moulds for processing aggressive plastics

Diameter in mm	Availability: peeled or machined									
20.5	36	51	66	86	111	141	172	222	303	
26	41	56	71	91	121	151	182	252	353	
31	46	61	81	101	131	161	202	282		

Thickness in mm	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
200	160	160	1010	160	1010	60	1010	160	1010	200	1250	100	1010	200	200	
250	200	200	1250	200	1250	80	1250	200	1300	250		160		250	250	
300	250	250		250		160		250		300		200		300	300	
400	300	300		300		200		300		350		250		400	350	
500	400	400		350		250		350		400		300		1010	400	
1010	1010	1010		400		300		400		1010		350		1250	450	
1250	1250	1250		1010		350		1010		1250		400		1600	1010	
1600		1600		1250		400		1250				450			1250	
				1600		1010		1600				1010			1600	
						1250						1250				

Thickness in mm	110	125	130	150	160	205	255	305
	1010	1010	1010	1010	1010	1010	1010	1010

ES 120 K ESR

1.2083 ESR soft-annealed
X 40 Cr 14

Characteristic or application:

highly polishable, corrosion-resistant steel for compression and injection moulds for processing aggressive plastics

Thickness in mm	30	35	40	45	50	60	70	80
	850	850	850	850	850	850	850	850

Thickness in mm	105	125	150	175	205	225	250	300	350
	850	850	850	850	850	850	900	900	900

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

ES Antikor S

1.2085 mod. quenched and tempered
X 33 CrS 16

Tensile strength:
950 - 1100 N/mm²

Characteristic or application:
quenched and tempered, corrosion-resistant plastic mould steel with excellent machineability

Thickness in mm	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120
	105	200	200	250	200	300	200	400	200	400	200	300	200	450	200	1010	250	1010	300
	125	250	250	300	250	350	250	450	220	450	250	400	250	1010	250	1500	300	1500	350
	160	300	300	325	300	400	300	500	250	500	300	500	300	1500	300		350	2000	400
	200	350	350	350	350	450	350	1010	300	800	350	800	350	2000	350		400		450
	225	400	400	400	400	500	400	1300	350	1010	400	1010	400		400		450		500
	250	450	450	450	450	1010	450	2000	400	1300	450	1250	450		450		500		1010
	300	1010	500	500	500	1300	500		450	2000	500	2000	500		500		1010		1500
	350	1250	1010	1010	600	2000	550		500		1010		550		1010		1250		2000
	1010	2000	1250	1300	1010		600		600		1250		1010		1250		1500		
	1250		2000	2000	1250		1010		1010		2000		1250		1500		2000		
	2000				2000		1250		1250				1500		2000				
							2000		2000				2000						

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Thickness in mm	130	140	150	160	170	180	190	205	215	225	235	245	255	275	305	325	355	375	405
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010
	1250	1250	1250	1250		1250		1250	1250	1250	1250	1250	1250	1600	1250		1250		
	2000														1600				

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

ES 100 K

1.2162 soft-annealed
21 MnCr 5

Characteristic or application:
good polishability, suitable for cold hobbing, case hardening steel for plastic moulds

Diameter in mm	Availability: Ø 15 mm black, from Ø 20.5 mm peeled or turned											
15	35	55	75	100	140	180	220	260	310	350	500	
20	40	60	80	110	150	190	230	270	320	360	550	
25	45	65	85	120	160	200	240	280	340	400	600	
30	50	70	90	130	170	210	250	300		450		

Thickness in mm	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160
40	100	60	1600	60	1600	80	1600	80	160	100	160	200	1600	200	1600	1600	1600	1600	1600
60	160	80	2000	80	2000	100		100	200	120	200	250	2000	250					
80	200	100		100		120		120	250	160	250	300		300					
100	250	100		100		120		120	250	160	250	300		300					
120	300	160		160		160		160	350	250		350		400					
160	350	200		200		200		200	400	300	400	450		1600					
200	1600	250		250		250		250	1600	350	450	500		2000					
250	2000	300		300		300		300	2000	400	1600	1600							
300		350		350		350		350		1600	2000	2000							
350		400		400		400		400		2000									
1600		450		450		450		450											
2000		500		500		1600		500											
		1600		1600		2000		1600											
		2000		2000				2000											

Thickness in mm	180	205	225	255	275	305	365	405
	1600	1250	1250	1250	1250	1250	1250	1250

Square in mm	30	40	50	60	70	80	100	120

ES Aktuell

1.2311 quenched and tempered
40 CrMnMo 7

Tensile strength:
950 - 1100 N/mm²

Also available in EST grade.

Characteristic or application:
quenched and tempered plastic
mould steel for thicknesses over 400 mm
(for greater thicknesses we recommend
Mat. 1.2738), good polishability, ES EST
with better graining properties.

Diameter in mm	Availability: peeled or machined												
20.5	36	51	66	81	101	131	161	192	222	272	323	403	
26	41	56	71	86	111	141	172	202	232	282	353		
31	46	61	76	91	121	151	182	212	252	303	383		

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	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															

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

ES Aktuell

1.2311 quenched and tempered
40 CrMnMo 7

Also available in EST grade.

Characteristic or application:

quenched and tempered plastic
mould steel for thicknesses up to 400 mm
(for greater thicknesses we recommend
Mat. 1.2738), good polishability, ES EST
most suitable for graining.

Tensile strength:
950 - 1100 N/mm²

Thickness in mm	140	150	160	175	185	195	205	215	225	235	245	255	265	275	285	305	315	325	335
	250	300	350	800	700	800	400	805	605	805	805	805	805	805	805	505	1010	805	805
	300	400	400	1010	800	1010	450	905	805	905	905	905	1010	1010	1010	805	1250	1010	1010
	350	450	500	1250	1010	1250	500	1010	905	1010	1010	1010	1250	1250	1250	905	1600	1250	1250
	400	500	600	2000	1250	2000	600	1250	1010	1250	1250	1250	1600	1600	1600	1010		1600	1600
	450	600	800		2000		800	1600	1250	1600	1600	1600				1250			
	500	800	1010				1010		1600							1600			
	550	1010	1250				1250												
	600	1250	2000				2000												
	800	2000																	
	1010																		
	1250																		
	2000																		

Thickness in mm	355	375	405
	805	805	805
	1010	1010	1010
	1250	1250	1250
	1600	1600	1600

Square in mm	30	40	50	60	70	80	90	100

ES Aktuell S

1.2312 quenched and tempered
40 CrMnMoS 8-6

Tensile strength:
950-1100 N/mm²

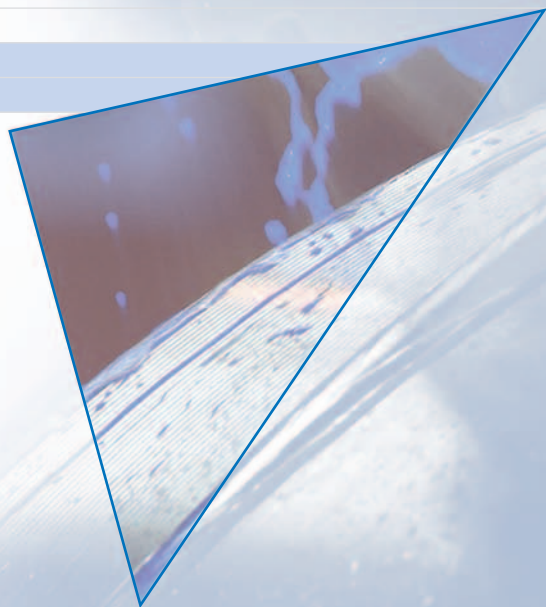
Characteristic or application:
quenched and tempered plastic mould
steel for mould frames and plates,
excellent machineability

Diameter in mm	Availability: peeled or machined															
20.5	36	51	66	81	101	131	161	192	222	252	303	373	423	503	603	753
26	41	56	71	86	111	141	172	202	232	272	323	383	453	523	653	803
31	46	61	76	91	121	151	182	212	242	282	343	403	483	553	703	853

Thickness in mm	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120
30	50	40	200	50	200	60	200	80	300	80	300	100	400	160	300	160	160	160	160
40	60	50	250	60	250	80	250	100	350	100	400	120	500	200	400	200	200	200	200
50	80	60	300	80	300	100	300	120	400	160	600	130	600	250	600	250	250	250	250
60	100	80	350	100	350	120	350	130	450	200	800	160	800	300	800	300	300	300	300
80	160	100	400	120	400	130	400	160	500	250	1010	200	1010	350	1010	350	350	350	350
100	165	130	450	130	450	160	450	200	600	300	1250	250	1250	400	1250	400	400	400	400
160	200	160	500	160	500	200	500	250	800	350	2000	300	2000	450	2000	450	450	450	450
200	215	200	600	200	800	250	600	300	1010	400	350	500	500	500	500	500	500	500	500
250	225	225	1010	250	1010	300	800	350	1250	450	400	550	550	550	550	550	550	550	550
300	250	250	1250	275	1250	350	1010	400	2000	500	450	600	600	600	600	600	600	600	600
350	275	275	2000	300	2000	400	1250	450	550	500	800	700	800	700	800	700	800	700	800
400	300	300	325	450	2000	500	600	550	1010	800	1250	1010	800	1010	800	1010	800	1010	800
450	350	325	350	500	550	650	600	1250	1010	1250	1010	1250	1010	1250	1010	1250	1010	1250	1010
500	400	350	375	550	600	800	650	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250
1010	450	400	400	600	650	1010	700	1250	800	1250	800	1250	800	1250	800	1250	800	1250	800
1250	500	450	425	800	700	1250	800	1250	800	1250	800	1250	800	1250	800	1250	800	1250	800
2000	600	500	450	1010	800	2000	1010	1250	2000	1010	1250	2000	1010	1250	2000	1010	1250	2000	1010
	1010	600	500	1250	1010	1250	2000	1010	1250	2000	1010	1250	2000	1010	1250	2000	1010	1250	2000
	1250	800	550	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250
	2000	1010	600	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250
		1250	800	2000	1010	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000
		2000	1010	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000
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			2000	1010	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250
				1250	2000	1010	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250
				2000	1010	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000	1250	2000

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



ES Aktuell S

1.2312 quenched and tempered
40 CrMnMoS 8-6

Tensile strength:
950-1100 N/mm²

Characteristic or application:

quenched and tempered plastic mould steel for mould frames and plates, highest machineability

Thickness in mm	130	140	150	160	175	185	195	205	215	225	235	245	255	265	275	285	295	305	315
	200	200	200	250	400	400	400	400	500	505	805	505	505	805	805	605	805	505	805
	250	250	250	300	450	450	450	450	550	605	905	605	605	905	905	805	905	605	905
	300	300	300	350	500	500	500	500	600	805	1010	805	805	1010	1010	905	1010	805	1010
	350	350	350	400	550	550	550	550	805	905	1250	905	905	1250	1250	1010	1250	905	1250
	400	400	400	450	600	600	600	600	905	1010	1600	1010	1010	1600	1600	1250	1450	1010	1600
	450	450	450	500	800	800	800	700	1010	1250		1250	1250			1600	1600		1250
	500	500	500	550	1010	905	905	800	1250	1600		1600	1600						1600
	550	550	550	600	1250	1010	1010	905	1600	1850			1850						1850
	600	600	600	700	2000	1250	1250	1010	1850										
	800	700	700	800		2000	2000	1250											
	1010	800	800	1010				2000											
	1250	1010	1010	1250															
	2000	1250	1250	2000															
	2000	2000																	

Thickness in mm	325	335	345	355	365	375	385	405	425	455	475	505	525	555	575	605	655	705	755
	805	805	805	810	810	810	810	905	1010	1010	1010	1010	1010	1250	1250	1250	1250	1250	1250
	905	905	905	905	1010	1010	1010	1010	905	1010	1250	1250	1250	1250	1250	1600	1600	1600	1600
	1010	1010	1010	1010	1250	1250	1250	1250	1010	1250	1450	1600	1600	1600	1600				
	1250	1250	1250	1250	1600	1600	1600	1600	1250	1450	1600	1850		1850					
	1450	1600	1600	1600				1850	1600	1600									
	1600		1850					1850											

Square in mm	30	40	50	60	70	80	90	100

ES 235 W

1.2343 soft-annealed
X 37 CrMoV 5-1

Also available in EST grade.

Characteristic or application:

hot work tool steel for pressure die casting, extrusion and forging tools as well as plastic mould steel with high toughness requirements

Diameter in mm	Availability: peeled or machined															
15	41	66	96	141	192	232	272	323	378	443	543					
20.5	46	71	101	151	202	237	282	333	383	453	563					
26	51	76	111	161	207	242	292	353	403	483	583					
31	56	81	121	172	212	252	303	363	413	503	603					
36	61	91	131	182	222	262	313	373	423	523	662					

Thickness in mm	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130
160	250	160	1010	160	1010	160	1010	160	160	160	160	160	160	1010	1010	1010
200	300	200		200		200		200	200	200	200	200	200	2000	2000	
250	400	250		250		250		250	250	250	250	250	250			
300	1010	300		300		300		300	300	300	300	300	300			
1010		350		350		400		350	350	350	350	350	350			
		400		400		450		400	400	400	400	400	400			
		1010		450		1010		450	1010	1010	1010	1010	500			
		1250		1010		1250		1010	1250	1250	1250	1250	1010			
				1250		1600		1250		2000	2000	1250				
				1600				1600				1600				
												2000				

Thickness in mm	140	150	160	175	185	195	205	215	225	235	245	255	305	355	405
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010

ES Maximum 500

1.2343 ESR soft-annealed
X 37 CrMoV 5-1

Characteristic or application:
hot work tool steel for large pressure die casting and extrusion tools with the highest toughness requirements

Diameter in mm	Availability: peeled or machined			
	703	753	803	853

Thickness in mm	100	110	120	130	140	150	160	170	180	190	205	225	255	275	305	325	355	375	405		
	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	1010	
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1450

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Thickness in mm	425	455	505	555	605
	1010	1010	1010	1010	1450
	1450	1450	1450	1450	



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

ES 245 W

1.2344 soft-annealed
X 40 CrMoV 5-1

Also available in EST grade.

Characteristic or application:

hot work tool steel for pressure die casting, extrusion and forging tools as well as plastic mould steel; increased wear resistance

Diameter in mm	Availability: peeled or machined											
15	41	66	91	121	172	212	262	307	343	407	463	
20,5	46	71	96	131	182	222	272	313	353	413	483	
26	51	76	101	141	192	232	282	323	363	423	503	
31	56	81	106	151	202	242	292	333	383	433	513	
36	61	86	111	161	207	252	303	336	403	453	523	

Thickness in mm	20	25	30	40	50	60	70	80	90	100	110	120	130	140	150	160	175	185
1010	250	160	160	160	160	200	160	250	200	1010	1010	1010	1010	1010	1010	1010	1010	1010
1010	200	200	200	200	250	200	300	250										
	250	250	250	250	300	250	350	300										
	300	300	300	300	350	300	400	350										
	400	400	350	350	400	350	500	400										
	1010	1010	1010	400	500	400	1010	500										
		1250	1250	1010	1010	1010	1250	1010										
		1600	1600	1250	1250	1250		1250										
				1600		1600												

Thickness in mm	205	225	235	245	255	265	275	285	305	325	355	375	405	455
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010

ES 245 W ESR

1.2344 ESR soft-annealed
X 40 CrMoV 5-1

Characteristic or application:

hot work tool steel with greater high temperature wear resistance, highest toughness, for highly stressed tools

Thickness in mm	140	150	160	170	180	190	200	250	300	350	400
	850	850	850	850	850	850	1010	1010	1010	1010	1010

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

ES 65 S

1.2363 soft-annealed
X 100 CrMoV 5

Also available in EST grade.

Characteristic or application:

air hardening special cold work tool steel for cutting and pressing tools, moulds for plastics processing, rollers, shearing knives, thread rolling dies, cold stamping tools and measuring tools

Thickness in mm	40	50	60	70	80	100	120	150	200
	1010	1010	1010	1010	1010	600	600	600	400

ES 265 W

1.2367 soft-annealed
X 38 CrMoV 5-3

Also available in EST grade.

Characteristic or application:

hot work tool steel for heavy metal, extrusion and pressure die casting tools with high toughness, very good high temperature strength and hardness retention

Diameter in mm	Availability: Ø 25mm black, from Ø 30mm peeled or machined										
	25	46	62	92	121	152	182	212	252	303	363
	30	52	72	101	131	162	196	222	262	323	
	42	56	77	111	142	172	202	232	282	333	

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ES 265 W ESR

1.2367 ESR soft-annealed
X 38 CrMoV 5-3

Characteristic or application:

hot work tool steel for heavy metal, extrusion and pressure die casting tools with the highest toughness requirements

Thickness in mm	225	300
	600	600

Other sizes can be supplied at short notice.



ES 70 S

1.2379 soft-annealed
X 153 CrMoV 12

Characteristic or application:

low distortion, high performance cutting steel for complicated cutting, forging, pressing and deep drawing tools, cold extrusion and thread rolling mills; most suitable for wire cutting

Diameter in mm	Availability: peeled or machined										
15	41	66	91	131	182	232	282	333	403	463	583
20.5	46	71	96	141	192	242	292	353	423	483	603
26	51	76	101	151	202	252	303	363	433	503	653
31	56	81	111	161	212	262	313	373	443	523	703
36	61	86	121	171	222	272	323	383	453	553	753

Thickness in mm	10	15	20	25	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
30	50	30	30	40	50	60	70	80	100	360	120	500	150	300	300	200	600	600	
40	60	40	40	50	60	70	80	100	110	500	150		180	600	600	250			
50	80	50	50	60	70	80	90	120	120		200		200			300			
60	100	60	60	70	80	90	100	130	130		250		250			400			
80	150	80	70	80	90	100	110	150	150		300		300			600			
100		100	80	100	100	110	120	180	180		360		400						
			120	100	120	110	120	130	200	200		400		600					
			150	120	150	120	130	150	250	250		600							
			200	150	180	130	150	160	300	300									
			250	200	200	150	160	180	360	350									
			500	250	250	160	180	200	400	400									
			500	300	180	200	250	500	500										
			400	200	250	300													
			500	250	300	350													
				300	350	400													
				350	360	500													
				360	400														
				400	500														
				500															
				600															

Thickness in mm	180	200	225	250	275	300	350	400
600	250	600	500	600	600	600	600	600
	300		600		800	800	800	
	350							
	400							
	500							
	600							

Square in mm	20	25	30	40	50	60	70	80	90	100	120	150	180	200	250	300

Other sizes can be supplied at short notice.

ES 50 SW

1.2436 soft-annealed
X 210 CrW 12

Characteristic or application:
e.g. for cutting and stamping tools;
very resistant to wear, little change in
shape on hardening

Diameter in mm	Availability: peeled or machined									
15	41	66	91	121	161	212	262	313	403	
20.5	46	71	96	126	171	222	272	323		
26	51	76	101	131	181	232	282	353		
31	56	81	111	141	192	242	292	363		
36	61	86	116	151	202	252	303	383		

Thickness in mm	10	15	20	25	30	40	50	60	70	80	90	100	120	180	200
40	30	30	30	40	50	60	80	100	305	100	305	120	500	500	500
50	40	40	40	50	60	80	100	500	120	500	150				
60	50	50	50	60	80	100	120	150	200	200					
80	60	60	60	80	100	150	150	200	250	250					
80	80	80	100	120	200	200	200	250	300	300					
100	100	100	120	150	250	250	250	300	500	500					
	150	120	150	200	305	305	305	500							
	200	150	180	250	350	350	500								
	500	200	200	305	500										
		250	250	350											

Square in mm	20	25	30	40	50	60	70	80	90	100	120	150	200

Other sizes can be supplied at short notice.

ES 370 G

1.2714 soft-annealed
55 NiCrMoV 7

Characteristic or application:

standard die steel for all types of drop forging, extrusion tools, pressure pads, die holders, hot shearing knives

Diameter in mm	Availability: peeled or machined											
20.5	51	81	111	172	222	282	336	403	483	563	803	
26	56	86	121	182	232	292	353	413	503	583	853	
31	61	91	131	192	242	303	363	423	513	603	907	
36	66	96	141	202	252	313	373	433	523	663		
41	71	101	151	212	262	323	383	453	543	703		
46	76	106	162		272	333	393	463	553	753		

Thickness in mm	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	225	240
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1300
	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1300			1300	

Thickness in mm	250	260	300	350	400
	1010	1010	1010	1010	1010

ES Aktuell 1000

1.2738 quenched and tempered
40 CrMnNiMo 8-6-4

Also available in EST grade.

Characteristic or application:
quenched and tempered plastic mould steel
for thicknesses over 400 mm, uniform
hardness, high ductility, good polishability
and better graining properties

Tensile strength:
950-1100 N/mm²

Diameter in mm	Availability: peeled or machined									
	403	453	503	553	653	753	853	953	1203	
	423	483	523	603	703	803	903	1053		

Thickness in mm	405	425	455	475	505	525	555	575	605	625	655	675	705	725	755	775	805	825	855	875
	905	905	905	905	905	905	905	905	905	905	905	905	905	905	1010	1250	1010	1010	1250	1250
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1250	1450	1250	1250	1450	1450
	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1450	1600	1450	1450	1600	1600
	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1600		1600	1600	1850	1850
	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1850		1850			
	1850	1850	1850	1850	1850		1850	1850	1850	1850	1850		1850							

Thickness in mm	905	955	1000	1300
	1100	1250	1200	1300
	1250	1600	1600	
	1450	1800		
	1600			
	1850			

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

ES Aktuell 1200

Special alloy

Tensile strength:

1050-1200 N/mm²

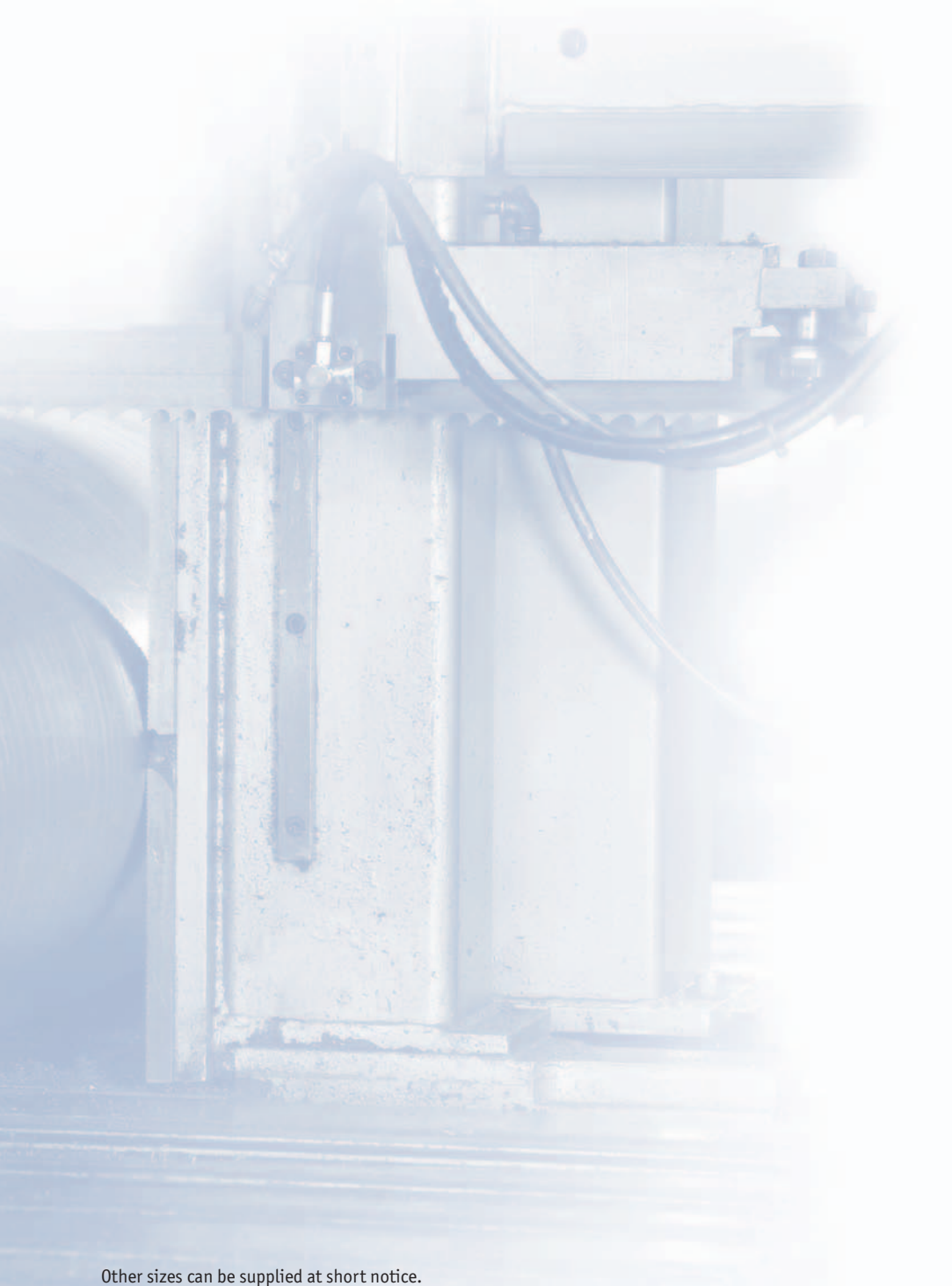
This material is generally supplied in EST grade.

Characteristic or application:

quenched and tempered plastic mould steel with a core hardness of

1050 N/mm², good polishability and graining, for large moulds with high wear resistance, for moulds for vehicle bumpers, dashboards, refuse containers and other large moulds

Thickness in mm	405	425	455	505	555	605	655	705	755	805	855	875	905	955	1000	1100	1200
	1250	1600	1250	1250	1250	1250	1250	1250	1250	1250	1650	1650	1650	1650	1650	1650	1650
	1650		1650	1650	1650	1650	1650	1650	1650	1650							



ES 106 K

1.2764 soft-annealed
X 19 NiCrMo 4

Characteristic or application:
case hardening steel with best
polishability for plastic moulds, high
core strength and excellent toughness

Diameter in mm	Availability: peeled or machined												
20	31	41	61	81	101	121	151	182	232	273	353		
26	36	51	71	91	111	141	161	202	252	303			

Thickness in mm	25	30	40	50	60	70	80	90	100	110	120	130	140	150	160	205	235	255	405
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010

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



ES 275 K

1.2767 soft-annealed
45 NiCrMo 16

Also available in EST grade.

Characteristic or application:

good hardenability, tough tool steel for plastic moulds, cutting tools for thick sizes and scrap shearing knives

Diameter in mm	Availability: peeled or machined														
15	31	46	61	76	91	121	151	182	212	242	272	313	383	453	
20.5	36	51	66	81	101	131	161	192	222	252	282	333	403	503	
26	41	56	71	86	111	141	172	202	232	262	303	353	423		

Thickness in mm	20	25	30	40	50	60	70	80	90	100	110	120	130	140	150	165
160	60	60	60	60	60	80	100	160	160	160	1010	200	1010	1010	1010	1010
200	80	80	80	80	80	100	110	200	200	200		250	1600			
250	100	100	100	100	100	110	120	250	250	250		300				
300	160	110	110	110	110	120	130	300	300	300		350				
400	200	140	130	130	130	130	160	350	350	350		400				
1010	250	160	160	160	160	140	200	400	400	400		500				
1250	300	200	200	200	200	150	250	500	500	500		1010				
1600	350	250	250	250	250	160	300	1010	1010	1010		1250				
	400	300	300	300	200	350	1250	1250	1250							
	1010	350	350	350	250	400	1600	1600	1600							
	1250	400	400	400	300	450										
	1600	500	500	450	350	500										
		1010	1010	500	400	1010										
		1250	1250	1010	500	1250										
		1600	1600	1250	1010	1600										
				1600	1250											
					1600											

Thickness in mm	175	205	255	305	355	375	405
	1010	1010	1010	1010	1010	1010	1010

Square in mm	30	40	60	80	100

ES 275 K ESR

1.2767 ESR soft-annealed
45 NiCrMo 16

Characteristic or application:

highly polishable, very tough tool steel for plastic moulds, cutting tools for thick sizes and scrap shearing knives

Thickness in mm	150	200	250	300
	600	600	600	600

Other sizes can be supplied at short notice.

ES LB 100

Special alloy

Tensile strength:
approx. 1000 N/mm²

Characteristic or application:
special alloyed heat-treatable steel based on Mat. 42 CrMo 4; supplied with a hardness of approx. 1000 N/mm²

Diameter in mm	Availability: peeled or machined																						
20.5	36	51	66	81	101	131	161	192	222	272	323	403											
26	41	56	71	86	111	141	172	202	232	282	353												
31	46	61	76	91	121	151	182	212	252	303	383												

Thickness in mm	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130
30	160	40	1010	50	1010	60	1010	80	1010	100	1010	100	1010	300	300	300	300	300	1010
40	200	50	60	80	100	120	160	200	200	300	300	500	500	500	500				
50	300	60	80	100	120	160	200	200	300	300	500	500	1010	1010	1010	1010			
60	500	80	100	120	160	200	200	300	300	500	500								
80	1010	100	120	160	200	200	300	300	500	500									
100	160	160	200	200	300	300	500	500	1010	1010									
120	200	200	300	300	500	500	1010	1010											
160	300	300	500	500	1010	1010													
200	500	500	1010	1010															
300	600	1010																	
500	1010																		
1010																			

Thickness in mm	140	150	160	175	185	195	205	225	255	275	305	325	355	375	405
300	300	500	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010
500	500	1010													
1010	1010														

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.

ES LB 100 S

Special alloy

Tensile strength:

approx. 1000 N/mm²

Characteristic or application:

special alloyed heat-treatable steel based on Mat. 42 CrMo 4 S; supplied with a hardness of approx. 1000 N/mm²; excellent machineability

Diameter in mm	Availability: peeled or machined											
20.5	36	51	66	81	101	131	161	192	222	272	323	403
26	41	56	71	86	111	141	172	202	232	282	353	
31	46	61	76	91	121	151	182	212	242	303	383	

Thickness in mm	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130	
160	160	160	1010	160	1010	160	1010	160	1010	160	1010	160	1010	160	1010	300	300	300	300	300
200	200	200		200		200		200		200		200		200		500	500	500	500	500
300	300	300		300		300		300		300		300		300		1010	1010	1010	1010	1010
500	500	500		500		500		500		500		500		500						
1010	1010	1010		1010		1010		1010		1010		1010		1010						

Thickness in mm	140	150	160	175	185	195	205	225	255	275	305	325	355	375	405
300	300	300	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010
500	500	500													
1010	1010	1010													

Square in mm	30	40	50	60	70	80	90	100

ES Antikor SL

Special alloy

Tensile strength:

approx. 950-1100 N/mm²

Characteristic or application:

this newly developed special material is a further development of the well-known steel ES Antikor S.

Thickness in mm	20	30	40	50	60	70	80	90	100	110
	500	500	500	500	500	500	500	500	500	500
	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010
	2000	2000	2000	2000	2000	2000	2000	2000		

Thickness in mm	120	130	140	150	160	170	180	190	205	225
	500	500	500	1010	1010	1010	1010	1010	1010	1010
	1010	1010	1010							

Thickness in mm	235	245	255	275	305	325	355	375	405
	1010	1010	1010	1010	1010	1010	1010	1010	1010

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

Weight table for steel

round/square

in kg/m

Dimension in mm	round	square	Dimension in mm	round	square	Dimension in mm	round	square
10	0.62	0.79	70	30.2	38.5	240	355.1	452.2
12	0.89	1.13	73	32.9	41.8	250	385.3	490.6
14	1.21	1.54	75	34.7	44.2	260	416.8	530.7
15	1.39	1.77	78	37.5	47.8	270	449.4	572.3
16	1.58	2.01	80	39.5	50.2	280	483.3	615.4
18	2.00	2.54	83	42.5	54.1	290	518.5	660.2
19	2.23	2.83	85	44.5	56.7	300	554.9	706.5
20	2.47	3.14	88	47.7	60.8	310	592.5	754.4
22	2.98	3.80	90	49.9	63.6	320	631.3	803.8
23	3.26	4.15	95	55.6	70.8	330	671.4	854.9
24	3.55	4.52	100	61.7	78.5	340	712.7	907.5
25	3.85	4.91	105	68.0	86.5	350	755.2	961.6
26	4.17	5.31	110	74.6	95.0	360	799.0	1017.4
27	4.49	5.72	120	88.8	113.0	370	844.0	1074.7
28	4.83	6.15	115	81.5	103.8	380	890.2	1133.5
30	5.55	7.07	125	96.3	122.7	390	937.7	1194.0
32	6.31	8.04	130	104.2	132.7	400	986.4	1256.0
34	7.13	9.07	135	112.4	143.1	410	1036.3	1319.6
35	7.55	9.62	140	120.8	153.9	420	1087.5	1384.7
36	7.99	10.2	145	129.6	165.0	430	1139.9	1451.5
38	8.90	11.3	150	138.7	176.6	440	1193.5	1519.8
40	9.86	12.6	155	148.1	188.6	450	1248.4	1589.6
42	10.9	13.8	160	157.8	201.0	500	1541.3	1962.5
45	12.5	15.9	165	167.8	213.7	550	1864.9	2374.6
48	14.2	18.1	170	178.2	226.9	600	2219.4	2826.0
50	15.4	19.6	175	188.8	240.4	650	2604.7	3316.6
53	17.3	22.1	180	199.7	254.3	700	3020.9	3846.5
55	18.6	23.7	185	211.0	268.7	750	3467.8	4415.6
58	20.7	26.4	190	222.6	283.4	800	3945.6	5024.0
60	22.2	28.3	200	246.6	314.0	850	4454.2	5671.6
63	24.5	31.2	210	271.9	346.2	900	4993.7	6358.5
65	26.0	33.2	220	298.4	379.9	950	5563.9	7084.6
68	28.5	36.3	230	326.1	415.3	1000	6165.0	7850.0

Weight table for steel

flat

in kg/m

Thickness in mm		10	12	15	20	25	30	35	40	50	60	70	80	90
Width in mm	40	3.14	3.77	4.71	6.28	7.85	9.42	11.0	12.6	15.7	18.8	22.0	25.1	28.3
	45	3.53	4.24	5.30	7.07	8.83	10.6	12.4	14.1	17.7	21.2	24.7	28.3	31.8
	50	3.93	4.71	5.89	7.85	9.81	11.8	13.7	15.7	19.6	23.6	27.5	31.4	35.3
	55	4.32	5.18	6.48	8.64	10.8	13.0	15.1	17.3	21.6	25.9	30.2	34.5	38.9
	60	4.71	5.65	7.07	9.42	11.8	14.1	16.5	18.8	23.6	28.3	33.0	37.7	42.4
	65	5.10	6.12	7.65	10.2	12.8	15.3	17.9	20.4	25.5	30.6	35.7	40.8	45.9
	70	5.50	6.59	8.24	11.0	13.7	16.5	19.2	22.0	27.5	33.0	38.5	44.0	49.5
	80	6.28	7.54	9.42	12.6	15.7	18.8	22.0	25.1	31.4	37.7	44.0	50.2	56.5
	90	7.07	8.48	10.6	14.1	17.7	21.2	24.7	28.3	35.3	42.4	49.5	56.5	63.6
	100	7.85	9.42	11.8	15.7	19.6	23.6	27.5	31.4	39.3	47.1	55.0	62.8	70.7
	120	9.42	11.3	14.1	18.8	23.6	28.3	33.0	37.7	47.1	56.5	65.9	75.4	84.8
	140	11.0	13.2	16.5	22.0	27.5	33.0	38.5	44.0	55.0	65.9	76.9	87.9	98.9
	150	11.8	14.1	17.7	23.6	29.4	35.3	41.2	47.1	58.9	70.7	82.4	94.2	106.0
	180	14.1	17.0	21.2	28.3	35.3	42.4	49.5	56.5	70.7	84.8	98.9	113.0	127.2
	200	15.7	18.8	23.6	31.4	39.3	47.1	55.0	62.8	78.5	94.2	109.9	125.6	141.3
	220	17.3	20.7	25.9	34.5	43.2	51.8	60.4	69.1	86.4	103.6	120.9	138.2	155.4
	250	19.6	23.6	29.4	39.3	49.1	58.9	68.7	78.5	98.1	117.8	137.4	157.0	176.6
	280	22.0	26.4	33.0	44.0	55.0	65.9	76.9	87.9	109.9	131.9	153.9	175.8	197.8
	300	23.6	28.3	35.3	47.1	58.9	70.7	82.4	94.2	117.8	141.3	164.9	188.4	212.0
	320	25.1	30.1	37.7	50.2	62.8	75.4	87.9	100.5	125.6	150.7	175.8	201.0	226.1
	350	27.5	33.0	41.2	55.0	68.7	82.4	96.2	109.9	137.4	164.9	192.3	219.8	247.3
	400	31.4	37.7	47.1	62.8	78.5	94.2	109.9	125.6	157.0	188.4	219.8	251.2	282.6
	450	35.3	42.4	53.0	70.7	88.3	106.0	123.6	141.3	176.6	212.0	247.3	282.6	317.9
	500	39.3	47.1	58.9	78.5	98.1	117.8	137.4	157.0	196.3	235.5	274.8	314.0	353.3
	550	43.2	51.8	64.8	86.4	107.9	129.5	151.1	172.7	215.9	259.1	302.2	345.4	388.6
	600	47.1	56.5	70.7	94.2	117.8	141.3	164.9	188.4	235.5	282.6	329.7	376.8	423.9
	700	55.0	65.9	82.4	109.9	137.4	164.9	192.3	219.8	274.8	329.7	384.7	439.6	494.6
	800	62.8	75.4	94.2	125.6	157.0	188.4	219.8	251.2	314.0	376.8	439.6	502.4	565.2
	900	70.7	84.8	106.0	141.3	176.6	212.0	247.3	282.6	353.3	423.9	494.6	565.2	635.9
	1010	79.3	95.1	118.9	158.6	198.2	237.9	277.5	317.1	396.4	475.7	555.0	634.3	713.6
	1250	98.1	117.8	147.2	196.3	245.3	294.4	343.4	392.5	490.6	588.8	686.9	785.0	883.1
	1600	125.6	150.7	188.4	251.2	314.0	376.8	439.6	502.4	628.0	753.6	879.2	1004.8	1130.4
	2000	157.0	188.4	235.5	314.0	392.5	471.0	549.5	628.0	785.0	942.0	1099.0	1256.0	1413.0