

K-TEC 40 S

Clamping Unit		40
kN	Clamping Force	400
mm	Tie Bar Clearance (H x V)	355 x 355
mm	Clamping Platens Size (H x V)	525 x 510
mm	Mold Opening Stroke	420
mm	Distance Between Platens max.	620
mm	Mold Installation Height min./max.	200 / -
kg	Mold Weight max. (moving / fixed)	500 / 250
kN	Opening Force	38
kN	Ejector Force	34
mm	Ejector Stroke	120
s - mm	Dry Cyle (Euromap 6) ¹⁾	1,6 - 249

Injection Unit		111			265		
mm	Screw Diameter	18	25	30	30	35	40
bar	Injection Pressure max.	2.236	2.254	1.565	2.292	1.964	1.504
cm ³	Stroke Volume max.	25	49	71	99	135	176
g	Injected Weight max. (PS)	23	45	65	90	123	160
mm	Screw Stroke		100			140	
mm	Unit Stroke		240			240	
kN	Nozzle Holding Force		47			47	
cm ³ /s	Injection Rate	84	165	239	280	380	495
min ⁻¹	Screw Speed		450			400	
g/s	Recovery Rate ²⁾	4	11	16	15	20	28
L/D	Active Screw Length ³⁾	20	20	18	20	20	17,3
qty	Number of Heating Zones		3 + 1			4 + 1	
kW	Total Heating Capacity	3,8	4,6	4,9	6,4	10,4	10,4

General Data		40 / 60 - 111			40 / 60 - 265		
kW	Total Connected Power ⁴⁾	18	18	18	19	22	22
m	Machine Dimensions (L x W x H)	3,59 x 1,39 x 1,94			3,85 x 1,39 x 1,94		
kg	Net Weight	3.200			3.300		
l	Oil Tank Capacity	190			190		

- 1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force
- 2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke
- 3) Other L/D on Request
- 4) According to Ferromatik Milacron Specification
- 5) Option

2nd Injection Unit Optional with Position							
111 : V - H - VM							
	mm	18	25	30	mm	Screw Diameter	
265 : V - H - VM							
	mm	30	35	40	mm	Screw Diameter	

2nd Injection Unit Optional with Position

- V = Vertical
- H = Horizontal
- PB = Piggy Back
- T = Traversing
- VM = Vertical Monosandwich
- HM = Horizontal Monosandwich

K-TEC 60 S

Clamping Unit		60
kN	Clamping Force	600
mm	Tie Bar Clearance (H x V)	355 x 355
mm	Clamping Platens Size (H x V)	525 x 510
mm	Mold Opening Stroke	420
mm	Distance Between Platens max.	620
mm	Mold Installation Height min./max.	200 / -
kg	Mold Weight max. (moving / fixed)	500 / 250
kN	Opening Force	38
kN	Ejector Force	34
mm	Ejector Stroke	120
s - mm	Dry Cyle (Euromap 6) ¹⁾	1,6 - 249

Injection Unit		111			265		
mm	Screw Diameter	18	25	30	30	35	40
bar	Injection Pressure max.	2.236	2.254	1.565	2.292	1.964	1.504
cm ³	Stroke Volume max.	25	49	71	99	135	176
g	Injected Weight max. (PS)	23	45	65	90	123	160
mm	Screw Stroke	100			140		
mm	Unit Stroke	240			240		
kN	Nozzle Holding Force	47			47		
cm ³ /s	Injection Rate	84	165	239	280	380	495
min ⁻¹	Screw Speed	450			400		
g/s	Recovery Rate ²⁾	4	11	16	15	20	28
L/D	Active Screw Length ³⁾	20	20	18	20	20	17,3
qty	Number of Heating Zones	3 + 1			4 + 1		
kW	Total Heating Capacity	3,8	4,6	4,9	6,4	10,4	10,4

General Data		40 / 60 - 111			40 / 60 - 265		
kW	Total Connected Power ⁴⁾	18	18	18	19	22	22
m	Machine Dimensions (L x W x H)	3,59 x 1,39 x 1,94			3,85 x 1,39 x 1,94		
kg	Net Weight	3.200			3.300		
l	Oil Tank Capacity	190			190		

- 1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force
- 2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke
- 3) Other L/D on Request
- 4) According to Ferromatik Milacron Specification
- 5) Option

2nd Injection Unit Optional with Position							
111 : V - H - VM							
	mm	18	25	30	mm	Screw Diameter	
265 : V - H - VM							
	mm	30	35	40	mm	Screw Diameter	

2nd Injection Unit Optional with Position

- V = Vertical
- H = Horizontal
- PB = Piggy Back
- T = Traversing
- VM = Vertical Monosandwich
- HM = Horizontal Monosandwich

K-TEC 85 S / 110 S

Clamping Unit		85 / 110
kN	Clamping Force	850 / 1.100
mm	Tie Bar Clearance (H x V)	470 x 470
mm	Clamping Platens Size (H x V)	690 x 690
mm	Mold Opening Stroke	550
mm	Distance Between Platens max.	800
mm	Mold Installation Height min./max.	250 / -
kg	Mold Weight max. (moving / fixed)	800 / 400
kN	Opening Force	52
kN	Ejector Force	50
mm	Ejector Stroke	150
s - mm	Dry Cyle (Euromap 6) ¹⁾	2 - 329

Injection Unit		265			493		
mm	Screw Diameter	30	35	40	40	45	50
bar	Injection Pressure max.	2.292	1.964	1.504	2.240	1.936	1.568
cm ³	Stroke Volume max.	99	135	176	201	254	314
g	Injected Weight max. (PS)	90	123	160	183	231	286
mm	Screw Stroke		140			160	
mm	Unit Stroke		240			290	
kN	Nozzle Holding Force		47			47	
cm ³ /s	Injection Rate	280	380	495	570	720	885
min ⁻¹	Screw Speed		400			260	
g/s	Recovery Rate ²⁾	15	20	28	19	28	35
L/D	Active Screw Length ³⁾	20	20	17,3	20	21,4	19,3
qty	Number of Heating Zones		4 + 1			4 + 1	
kW	Total Heating Capacity	6,4	10,4	10,4	12,7	14,5	14,5

General Data		85 / 110 - 265			85 / 110 - 493		
kW	Total Connected Power ⁴⁾	26	29	29	31	32	32
m	Machine Dimensions (L x W x H)	4,95 x 1,56 x 1,96			4,95 x 1,56 x 1,96		
kg	Net Weight	5.300			5.500		
l	Oil Tank Capacity	290			290		

- 1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force
- 2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke
- 3) Other L/D on Request
- 4) According to Ferromatik Milacron Specification
- 5) Option

2nd Injection Unit Optional with Position							
111 : V - H - PB - VM							
	mm	18	25	30	mm	Screw Diameter	
265 : V - H - PB - VM							
	mm	30	35	40	mm	Screw Diameter	

2nd Injection Unit Optional with Position

- V = Vertical
- H = Horizontal
- PB = Piggy Back
- T = Traversing
- VM = Vertical Monosandwich
- HM = Horizontal Monosandwich

K-TEC 155 S

Clamping Unit		155
kN	Clamping Force	1.550
mm	Tie Bar Clearance (H x V)	500 x 500 (560 x 560) ⁵⁾
mm	Clamping Platens Size (H x V)	750 x 750 (810 x 830) ⁵⁾
mm	Mold Opening Stroke	650
mm	Distance Between Platens max.	950
mm	Mold Installation Height min./max.	300 / -
kg	Mold Weight max. (moving / fixed)	1.200 / 600
kN	Opening Force	86
kN	Ejector Force	50
mm	Ejector Stroke	180
s - mm	Dry Cyle (Euromap 6) ¹⁾	2 - 350

Injection Unit		265			493			970		
mm	Screw Diameter	30	35	40	40	45	50	45	50	60
bar	Injection Pressure max.	2.292	1.964	1.504	2.240	1.936	1.568	2.294	2.058	1.429
cm ³	Stroke Volume max.	99	135	176	201	254	314	382	471	679
g	Injected Weight max. (PS)	90	123	160	183	231	286	375	429	618
mm	Screw Stroke	140			160			240		
mm	Unit Stroke	240			290			400		
kN	Nozzle Holding Force	47			47			63		
cm ³ /s	Injection Rate	280	380	495	570	720	885	636	785	1.131
min ⁻¹	Screw Speed	400			320			300		
g/s	Recovery Rate ²⁾	15	20	28	25	32	40	28	44	55
L/D	Active Screw Length ³⁾	20	20	17,3	20	21,4	19,3	22	24,2	20
qty	Number of Heating Zones	4 + 1			4 + 1			4 + 1		
kW	Total Heating Capacity	6,4	10,4	10,4	12,7	14,5	14,5	16,1	18,8	18,8

General Data		155 - 265			155 - 493			155 - 970		
kW	Total Connected Power ⁴⁾	34	37	37	39	40	40	41	43	43
m	Machine Dimensions (L x W x H)	5,52 x 1,73 x 2,36			5,52 x 1,73 x 2,36			6,39 x 1,73 x 2,36		
kg	Net Weight	7.600			7.800			8.200		
l	Oil Tank Capacity	480			480			480		

- 1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force
- 2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke
- 3) Other L/D on Request
- 4) According to Ferromatik Milacron Specification
- 5) Option

2nd Injection Unit Optional with Position						
111 : V - H - PB - VM						
	mm	18	25	30	mm	Screw Diameter
265 : V - H - PB - VM						
	mm	30	35	40	mm	Screw Diameter
493 : H						
	mm	40	45	50	mm	Screw Diameter

2nd Injection Unit Optional with Position

- V = Vertical
- H = Horizontal
- PB = Piggy Back
- T = Traversing
- VM = Vertical Monosandwich
- HM = Horizontal Monosandwich

K-TEC 175 S / K-TEC 200 S

Clamping Unit		175 / 200
kN	Clamping Force	1.750 / 2.000
mm	Tie Bar Clearance (H x V)	560 x 560 (630 x 630, 750 x 750) ⁵⁾
mm	Clamping Platens Size (H x V)	830 x 935 (970 x 1.035, 1.110 x 1.165) ⁵⁾
mm	Mold Opening Stroke	750
mm	Distance Between Platens max.	1.045
mm	Mold Installation Height min./max.	295 / -
kg	Mold Weight max. (moving / fixed)	1.450 / 700
kN	Opening Force	119 / 134
kN	Ejector Force	85
mm	Ejector Stroke	180
s - mm	Dry Cyle (Euromap 6) ¹⁾	1,6 - 392

Injection Unit		493			1000		1650	
mm	Screw Diameter	40	45	50	50	60	60	70
bar	Injection Pressure max.	2.240	1.936	1.568	2.268	1.575	2.144	1.575
cm ³	Stroke Volume max.	201	254	314	441	636	763	1.039
g	Injected Weight max. (PS)	183	231	286	401	579	694	946
mm	Screw Stroke	160			225		270	
mm	Unit Stroke	290			525		525	
kN	Nozzle Holding Force	47			63		115	
cm ³ /s	Injection Rate	570	720	885	1.480	2.000	1.480	2.000
min ⁻¹	Screw Speed	330			320		275	
g/s	Recovery Rate ²⁾	25	32	40	52	65	60	67
L/D	Active Screw Length ³⁾	20	21,4	19,3	22	18,3	22	18,6
qty	Number of Heating Zones	4 + 1			4 + 1		4 + 1	
kW	Total Heating Capacity	12,7	14,5	14,5	18,2	18,2	22,7	22,7

General Data		175 / 200 - 493			175 / 200 - 1000		175 / 200 - 1650	
kW	Total Connected Power ⁴⁾	46	47	47	50		71	
m	Machine Dimensions (L x W x H)	6,85 x 2,04 x 2,55			6,87 x 2,04 x 2,55		7,30 x 2,04 x 2,55	
kg	Net Weight	12.000			13.000		13.800	
l	Oil Tank Capacity	500			500		500	

- 1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force
- 2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke
- 3) Other L/D on Request
- 4) According to Ferromatik Milacron Specification
- 5) Option

2nd Injection Unit Optional with Position							
111 : V - H - PB - T - VM							
	mm	18	25	30	mm	Screw Diameter	
265 : V - H - PB - T - VM							
	mm	30	35	40	mm	Screw Diameter	
493 : V - H - T - VM							
	mm	40	45	50	mm	Screw Diameter	
1000 : H - HM							
	mm	45	50	60	mm	Screw Diameter	

V = Vertical
 H = Horizontal
 PB = Piggy Back
 T = Traversing
 VM = Vertical Monosandwich
 HM = Horizontal Monosandwich

K-TEC 250 S / K-TEC 275 S

Clamping Unit		250 / 275
kN	Clamping Force	2.500 / 2.750
mm	Tie Bar Clearance (H x V)	630 x 630 (750 x 750, 825 x 825) ⁵⁾
mm	Clamping Platens Size (H x V)	970 x 1035 (1.110 x 1.165, 1.110 x 1.195) ⁵⁾
mm	Mold Opening Stroke	850
mm	Distance Between Platens max.	1.195
mm	Mold Installation Height min./max.	345 / -
kg	Mold Weight max. (moving / fixed)	2.400 / 1.150
kN	Opening Force	144 / 163
kN	Ejector Force	85
mm	Ejector Stroke	200
s - mm	Dry Cyle (Euromap 6) ¹⁾	1,8 - 441

Injection Unit		1000		1650		2650	
mm	Screw Diameter	50	60	60	70	70	80
bar	Injection Pressure max.	2.268	1.575	2.144	1.575	2.175	1.665
cm ³	Stroke Volume max.	441	636	763	1.039	1.213	1.583
g	Injected Weight max. (PS)	401	579	694	946	1.104	1.441
mm	Screw Stroke	225		270		315	
mm	Unit Stroke	525		525		525	
kN	Nozzle Holding Force	63		115		115	
cm ³ /s	Injection Rate	1.480	2.000	1.480	2.000	1.550	2.000
min ⁻¹	Screw Speed	320		275		240	
g/s	Recovery Rate ²⁾	52	65	60	67	73	85
L/D	Active Screw Length ³⁾	22	18,3	22	18,6	22	19,3
qty	Number of Heating Zones	4 + 1		4 + 1		4 + 1	
kW	Total Heating Capacity	18,2	18,2	22,7	22,7	30,7	30,7

General Data		250 / 275 - 1000	250 / 275 - 1650	250 / 275 - 2650
kW	Total Connected Power ⁴⁾	68	71	77
m	Machine Dimensions (L x W x H)	7,49 x 2,16 x 2,66	7,76 x 2,16 x 2,66	8,22 x 2,16 x 2,66
kg	Net Weight	15.500	16.000	18.500
l	Oil Tank Capacity	680	680	680

- 1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force
- 2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke
- 3) Other L/D on Request
- 4) According to Ferromatik Milacron Specification
- 5) Option

2nd Injection Unit Optional with Position						
111 : V - H - PB - T	mm	18	25	30	mm	Screw Diameter
265 : V - H - PB - T	mm	30	35	40	mm	Screw Diameter
493 : V - H - PB - T - VM	mm	40	45	50	mm	Screw Diameter
1000 : H - HM	mm	45	50	60	mm	Screw Diameter

V = Vertical
 H = Horizontal
 PB = Piggy Back
 T = Traversing
 VM = Vertical Monosandwich
 HM = Horizontal Monosandwich

K-TEC 320 S / K-TEC 350 S

Clamping Unit		320 / 350
kN	Clamping Force	3.200 / 3.500
mm	Tie Bar Clearance (H x V)	750 x 750 (825 x 825) ⁵⁾
mm	Clamping Platens Size (H x V)	1.110 x 1.165 (1.110 x 1.195) ⁵⁾
mm	Mold Opening Stroke	850
mm	Distance Between Platens max.	1.230
mm	Mold Installation Height min./max.	380 / -
kg	Mold Weight max. (moving / fixed)	3.000 / 1.500
kN	Opening Force	179
kN	Ejector Force	85
mm	Ejector Stroke	200
s - mm	Dry Cyle (Euromap 6) ¹⁾	2,1 - 525

Injection Unit		1000		1650		2650	
mm	Screw Diameter	50	60	60	70	70	80
bar	Injection Pressure max.	2.268	1.575	2.144	1.575	2.175	1.665
cm ³	Stroke Volume max.	441	636	763	1.039	1.213	1.583
g	Injected Weight max. (PS)	401	579	694	946	1.104	1.441
mm	Screw Stroke	225		270		315	
mm	Unit Stroke	525		525		525	
kN	Nozzle Holding Force	63		115		115	
cm ³ /s	Injection Rate	1.480	2.000	1.480	2.000	1.550	2.000
min ⁻¹	Screw Speed	320		275		240	
g/s	Recovery Rate ²⁾	52	65	60	67	73	85
L/D	Active Screw Length ³⁾	22	18,3	22	18,6	22	19,3
qty	Number of Heating Zones	4 + 1		4 + 1		4 + 1	
kW	Total Heating Capacity	18,2	18,2	22,7	22,7	30,7	30,7

General Data		320 / 350 - 1000	320 / 350 - 1650	320 / 350 - 2650
kW	Total Connected Power ⁴⁾	68	71	77
m	Machine Dimensions (L x W x H)	7,69 x 2,22 x 2,76	8,02 x 2,22 x 2,76	8,44 x 2,22 x 2,76
kg	Net Weight	20.500	21.000	22.000
l	Oil Tank Capacity	680	680	680

1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force

2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke

3) Other L/D on Request

4) According to Ferromatik Milacron Specification

5) Option

2nd Injection Unit Optional with Position							
111 : V - H - PB - T							
	mm	18	25	30	mm	Screw Diameter	
265 : V - H - PB - T							
	mm	30	35	40	mm	Screw Diameter	
493 : V - H - PB - T - VM							
	mm	40	45	50	mm	Screw Diameter	
970 : T 1000 : H - HM							
	mm	45	50	60	mm	Screw Diameter	
2650 : HM							
	mm	70	80		mm	Screw Diameter	

V = Vertical

H = Horizontal

PB = Piggy Back

T = Traversing

VM = Vertical Monosandwich

HM = Horizontal Monosandwich

K-TEC 400 S / K-TEC 450 S

Clamping Unit		400 / 450
kN	Clamping Force	4.000 / 4.500
mm	Tie Bar Clearance (H x V)	825 x 825 (900 x 900, 1.000 x 1.000) ⁵⁾
mm	Clamping Platens Size (H x V)	1.195 x 1.267 (1.270 x 1.345, 1.370 x 1.445) ⁵⁾
mm	Mold Opening Stroke	1.000
mm	Distance Between Platens max.	1.420
mm	Mold Installation Height min./max.	420 / -
kg	Mold Weight max. (moving / fixed)	4.000 / 2.000
kN	Opening Force	181 / 205
kN	Ejector Force	85
mm	Ejector Stroke	200
s - mm	Dry Cyle (Euromap 6) ¹⁾	3 - 578

Injection Unit		1650		2650		4400		
mm	Screw Diameter	60	70	70	80	80	90	100
bar	Injection Pressure max.	2.144	1.575	2.175	1.665	2.431	1.921	1.556
cm ³	Stroke Volume max.	763	1.039	1.213	1.583	1.810	2.290	2.825
g	Injected Weight max. (PS)	694	946	1.104	1.441	1.647	2.084	2.571
mm	Screw Stroke	270		315		360		
mm	Unit Stroke	525		525		525		
kN	Nozzle Holding Force	115		115		115		
cm ³ /s	Injection Rate	1.480	2.000	1.550	2.000	2.250	2.850	3.550
min ⁻¹	Screw Speed	275		240		190		
g/s	Recovery Rate ²⁾	60	67	73	85	80	103	128
L/D	Active Screw Length ³⁾	22	18,6	22	19,3	22,5	20	18
qty	Number of Heating Zones	4 + 1		4 + 1		4 + 1		
kW	Total Heating Capacity	22,7	22,7	30,7	30,7	48,4	48,4	48,4

General Data		400 / 450 - 1650	400 / 450 - 2650	400 / 450 - 4400
kW	Total Connected Power ⁴⁾	71	77	109
m	Machine Dimensions (L x W x H)	8,38 x 2,33 x 3,03	8,86 x 2,33 x 3,03	9,56 x 2,33 x 3,03
kg	Net Weight	26.000	27.000	30.000
l	Oil Tank Capacity	1.000	1.000	1.000

- 1) Stroke = 70% Tie Bar Clearance, 70% Clamping Force
- 2) For PS: 10 s Cycle Time, 1,5 D Screw Stroke
- 3) Other L/D on Request
- 4) According to Ferromatik Milacron Specification
- 5) Option

2. Spritzeinheit optional mit Anordnung		2nd Injection Unit Optional with Position						
111 : V - H - PB - T								
	Schneckendurchmesser	mm	18	25	30	mm	Screw Diameter	
265 : V - H - PB - T								
	Schneckendurchmesser	mm	30	35	40	mm	Screw Diameter	
493 : V - H - PB - T								
	Schneckendurchmesser	mm	40	45	50	mm	Screw Diameter	
970 : T 1000 : H - HM								
	Schneckendurchmesser	mm	45	50	60	mm	Screw Diameter	
2650 : HM								
	Schneckendurchmesser	mm	70	80		mm	Screw Diameter	
4400 : HM								
	Schneckendurchmesser	mm	80	90	100	mm	Screw Diameter	

- V = Vertical
H = Horizontal
PB = Piggy Back
T = Traversing
VM = Vertical Monosandwich
HM = Horizontal Monosandwich