

E cores

Core type ¹⁾	Standards	Mounting dimensions (mm) of assembly set $L \times W \times H^{2)}$
E 5	IEC 61246	
E 6.3	IEC 61246	$9 \times 8 \times 5.7$
E 8.8	IEC 61246	$10 \times 12.5 \times 5.5$
E 10/5.5/5		
E 13/7/4 (EF 12.6)	IEC 61246	$15 \times 17 \times 12$ $10 \times 15 \times 17$ $13.5 \times 19.5 \times 9.3$
E 14/8/4		
E 16/6/5		
E 16/8/5 (EF 16)	IEC 61246	$18 \times 20 \times 14$ $11 \times 18 \times 20$
E 19/8/5 E 187 ³⁾		
E 20/10/6 (EF 20)	IEC 61246	$22 \times 22 \times 17$ $15 \times 22 \times 24$ $24 \times 21.5 \times 14$ $15 \times 22 \times 24$
E 21/9/5		
E 25/13/7 (EF 25)	IEC 61246	$28 \times 28 \times 21$ $18 \times 28 \times 29$ $19 \times 26 \times 30$

1) The E core designations have been brought into line with IEC; the previous designations are given in parentheses.

2) Height above mounting plane

3) US designation (size based on U.S. lam. size E cores)

E cores (continued)

Core type ¹⁾	Standards	Mounting dimensions (mm) of assembly set L × W × H ²⁾
E 25.4/10/7 E 2425 ³⁾		
E 30/15/17		36 × 36 × 12 19 × 36 × 36
E 32/16/9 (EF 32)	IEC 61246	35 × 37 × 24
E 32/16/11		
E 34/14/9 E 375 ³⁾		
E 36/18/11		39 × 38 × 31
E 40/16/12 E 21 ³⁾		
E 42/21/15	IEC 61246	
E 42/21/20	IEC 61246	38 × 46 × 52
E 47/20/16 E 625 ³⁾		
E 55/28/21	IEC 61246	
E 55/28/25		
E 56/24/19 E 75 ³⁾		
E 65/32/27		
E 70/33/32		
E 80/38/20		

EFD, EV cores

Core type	Mounting dimensions (mm) of assembly set $L \times W \times H$ ¹⁾
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EFD cores

EFD 10/5/3	
EFD 15/8/5	$19.3 \times 17 \times 8$ $21 \times 16 \times 8$
EFD 20/10/7	$24.3 \times 22 \times 10$
EFD 25/13/9	$29.3 \times 27.3 \times 12.5$
EFD 30/15/9	$34.4 \times 32.5 \times 12.5$

EV cores

EV 15/9/7	
EV 25/13/13	
EV 30/16/13	

ELP cores

Core set	Standards	Core types
EELP 14	IEC 62317-9	ELP 14/3.5/5
EILP 14	IEC 62317-9	I 14/1.5/5 (+ ELP 14/3.5/5)
EELP 18	IEC 62317-9	ELP 18/4/10
EILP 18	IEC 62317-9	I 18/2/10 (+ ELP 18/4/10)
EELP 22	IEC 62317-9	ELP 22/6/16
EILP 22	IEC 62317-9	I 22/2.5/16 (+ ELP 22/6/16)
EELP 32	IEC 62317-9	ELP 32/6/20
EILP 32	IEC 62317-9	I 32/3/20 (+ ELP 32/6/20)
EELP 38	IEC 62317-9	ELP 38/8/25
EILP 38	IEC 62317-9	I 38/4/25 (+ ELP 38/8/25)
EELP 43	IEC 62317-9	ELP 43/10/28
EILP 43	IEC 62317-9	I 43/4/28 (+ ELP 43/10/28)
EELP 58	IEC 62317-9	ELP 58/11/38
EILP 58	IEC 62317-9	I 58/4/38 (+ ELP 58/11/38)
EELP 64	IEC 62317-9	ELP 64/10/50
EILP 64	IEC 62317-9	I 64/5/50 (+ ELP 64/10/50)

EP cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾
EP 5		
EP 6		
EP 7	IEC 61596	7.5 × 10 × 10 13 × 9.2 × 8.8
EPX 7/9		12.6 × 9.4 × 12.4
EPX 9/9		12.6 × 9.4 × 12.2
EP 10	IEC 61596	12 × 14.2 × 12.5
EPX 10		
EP 13	IEC 61596	15 × 16 × 13.7 15 × 16 × 13.7
EPO 13	—	15 × 16 × 13.7 15 × 16 × 13.7
EP 17	IEC 61596	20 × 21.6 × 16.2
EP 20	IEC 61596	23 × 27.5 × 20.5

EQ cores

Core set	Standards	Core types
EEQ 13	IEC 62317-9	EQ 13/2.85/9
EIQ 13	IEC 62317-9	EQ 13/2.85/9 + I 13/1/9
EEQ 20	IEC 62317-9	EQ 20/6.3/14
EIQ 20	IEC 62317-9	EQ 20/6.3/14 + I 20/2.3/14
EEQ 25	IEC 62317-9	EQ 25/8/18
EIQ 25	IEC 62317-9	EQ 25/8/18 + I 25/2.3/18
EEQ 30	IEC 62317-9	EQ 30/8/20
EIQ 30	IEC 62317-9	EQ 30/8/20 + I 30/2.7/20

ER planar cores

Core types	Standards	Mounting dimensions (mm) of assembly set $L \times W \times H^{1)}$
ER 9.5/5	IEC 62317-9	$12 \times 10 \times 5.7$
ER 11/5	IEC 62317-9	$12.8 \times 11.7 \times 6$
ER 14.5/6	IEC 62317-9	
ER 18/3/10	IEC 62317-9	
ER 23/5/13	IEC 62317-9	
ER 23/5/13 + I 23/2/13	IEC 62317-9	
ER 25/6/15	IEC 62317-9	
ER 25/6/15 + I 25/3/15	IEC 62317-9	
ER 32/5/21	IEC 62317-9	

ER cores

Core types	Standards	Mounting dimensions (mm) of assembly set $L \times W \times H^{1)}$
ER 28/17/11	IEC 62317-7	
ER 35/20/11	IEC 62317-7	
ER 42/22/15		$33 \times 46 \times 55$
ER 46/17/18		
ER 49/27/17	IEC 62317-7	
ER 54/18/18		

ETD cores

Core type	Standards	Mounting dimensions (mm) of assembly set L × W × H ¹⁾
ETD 29/16/10	IEC 61185	35.5 × 35.5 × 25.5 24 × 35.5 × 41.2
ETD 34/17/11	IEC 61185	43 × 40 × 35 27.5 × 40 × 46
ETD 39/20/13	IEC 61185	48 × 45 × 38
ETD 44/22/15	IEC 61185	53 × 50 × 41
ETD 49/25/16	IEC 61185	58 × 55 × 43.5
ETD 54/28/19	IEC 61185	62 × 62 × 47
ETD 59/31/22	IEC 61185	67 × 71 × 50

P cores (pot cores)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area $\times$ H ¹⁾
P 3.3 $\times$ 2.6	IEC 62323	
P 4.6 $\times$ 4.1		
P 5.8 $\times$ 3.3	IEC 62323	
P 7 $\times$ 4		7.5 $\times$ 7.5 $\times$ 7.1
P 9 $\times$ 5	IEC 60133	9.9 $\times$ 9.9 $\times$ 8.3 (4 solder terminals) 9.9 $\times$ 12.3 $\times$ 8.3 (6 solder terminals) 12.2 $\times$ 17 $\times$ 6.0
P 11 $\times$ 7	IEC 60133	12.3 $\times$ 12.3 $\times$ 9.5 (4 solder terminals) 12.3 $\times$ 14.6 $\times$ 9.5 (8 solder terminals)
P 14 $\times$ 8	IEC 60133	16.8 $\times$ 15 $\times$ 11.3 (4 solder terminals) 16.8 $\times$ 19.6 $\times$ 11.3 (6 solder terminals)
P 18 $\times$ 11	IEC 60133	19.9 $\times$ 20.7 $\times$ 13.5

P cores (pot cores) (continued)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾
P 22 × 13	IEC 60133	24.5 × 26 × 16.6
P 26 × 16	IEC 60133	27.8 × 28.5 × 19
P 30 × 19	IEC 60133	32.5 × 33.5 × 22.8
P 36 × 22		40 × 41.8 × 27.5
P 41 × 25		

P core halves and PS cores

Core type ($\varnothing \times$ height)	Standards	Material
PS 7.35 $\times$ 3.6	IEC 62323	N22, M33
PS 9 $\times$ 3.5	IEC 62323	N22, M33
14 $\times$ 7.5		N22
PS 25 $\times$ 8.9	IEC 62323	N22
PS 30.5 $\times$ 10.2	IEC 62323	N22
PS 35 $\times$ 10.8	IEC 62323	N22
PS 47 $\times$ 14.9	IEC 62323	N22
PS 68 $\times$ 14.5	IEC 62323	N22
70 $\times$ 14.5		N22
150 $\times$ 30		N27

PM cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾
PM 50/39	IEC 61247	65 × 52 × 45
PM 62/49	IEC 61247	76 × 64 × 55
PM 74/59	IEC 61247	85.5 × 75 × 65
PM 87/70	IEC 61247	101 × 87 × 72
PM 114/93	IEC 61247	114 × 92 × 93

RM cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾
RM 4	IEC 62317-4	$10.16^2 \times 10.8$
RM 4 LP	IEC 62317-4	$14 \times 17.5 \times 8.1$
RM 5	IEC 62317-4	$12.7^2 \times 10.8$ $16.5 \times 19 \times 10.6$
RM 5 LP	IEC 62317-4	$20 \times 16 \times 8$
RM 6	IEC 62317-4	$15.24^2 \times 12.8$ $19.5 \times 25 \times 12.8$ $19.6 \times 22.2 \times 13$
RM 6 LP	IEC 62317-4	

RM cores (continued)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H ¹⁾
RM 7	IEC 62317-4	$17.78^2 \times 13.8$
RM 7 LP	IEC 62317-4	
RM 8	IEC 62317-4	$20.32^2 \times 16.8$ $26 \times 30 \times 16.8$
RM 8 LP	IEC 62317-4	
RM 10	IEC 62317-4	$25.4^2 \times 19$ $31 \times 40 \times 19$
RM 10 LP	IEC 62317-4	
RM 12	IEC 62317-4	$30.48^2 \times 24.9$ $32 \times 45.7 \times 24.9$
RM 12 LP	IEC 62317-4	
RM 14	IEC 62317-4	$35.56^2 \times 30.5$ $44 \times 29 \times 30.5$
RM 14 LP	IEC 62317-4	

U, UI cores

Core set	Core types
UU 93/152/16 UI 93/104/16	U 93/76/16 I 93/28/16 (+ U 93/76/16)
UU 93/152/20 UI 93/104/20	U 93/76/20 I 93/28/20 (+ U 93/76/20)
UU 93/152/30 UI 93/104/30	U 93/76/30 I 93/28/30 (+ U 93/76/30)
	U 101/76/30
UU 126/182/20 UI 126/119/20	U 126/91/20 I 126/28/20 (+ U 126/91/20)
	U 141/78/30

Toroids (ring cores)

Toroids R 2.5 ... R 202	Technical report IEC/TR 61604
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Double-aperture cores

Core height 2.0 ... 14.5 mm	6.2; 8.3 and 14.5: DIN 41279, shape G
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FPC film

Material
C 350, C 351