

MISUMI

DIN 1530 EJECTOR PIN
DIN ISO 8405 EJECTOR SLEEVE



2024



EJECTOR PINS

STRAIGHT EJECTOR PIN



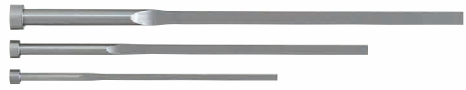
Category		Type		Standard		Length Specify		Dimensions Specify	
Standard	Material	Head Thickness (T mm)	Diameter (P) Tolerances	Part No.	Page	Part No.	Page	Part No.	Page
DIN TYPE	1.2344 (equivalent) + Nitrided	1.2~10	g6	D-EPN	P.5	D-EPN-L	P.6	D-EPNB	P.6
	1.2344/1.3505 (equivalent)		g6	D-EPU	P.7	D-EPD-L	P.8	D-EPDB	P.8

STEP EJECTOR PIN



Category		Type		Standard		Dimensions Specify	
Standard	Material	Head Thickness (T mm)	Diameter (P) Tolerances	Part No.	Page	Part No.	Page
DIN TYPE	1.2344 (equivalent) + Nitrided	1.2~10	g6	-	-	D-ENSF	P.10
	1.2344 (equivalent)		g6	-	-	D-EDSF	P.11

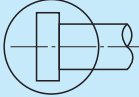

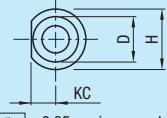
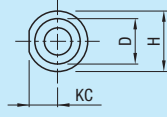




EJECTOR BLADES



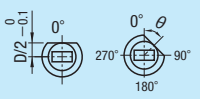
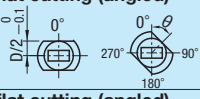
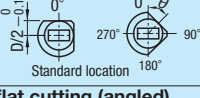
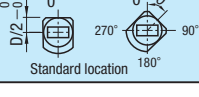
Category		Type		Standard		Length Specify		Dimensions Specify	
Standard	Material	Head Thickness (T mm)	P - W Tolerances	Part No.	Page	Part No.	Page	Part No.	Page
DIN TYPE	1.2344 (equivalent) + Nitrided	1.2~10	0 -0.015	-	-	-	-	D-ERNX	P.13
	1.2344 (equivalent)		0 -0.015	-	-	-	-	D-ERDX	P.14

ALTERATION GUIDE

Alteration Guide for Straight and Stepped Ejector Pins

Items	Applicable Products	Alterations	Codes	Specifications	
 Head alteration	Straight and Stepped Ejector Pins	Key flat cutting 	KC	Single flat cutting Range of designation $D/2 \leq KC < H/2$	To make a flat at the shaft diameter position  Unit of designation 0.05mm increments possible Designation method • KC0.75 (When D1.5) • WKC3.5 (When D7) It remains at D tolerance even when D/2 is designated to fit shaft diameter. To designate an arbitrary flat size  Unit of designation 0.1mm increments only Designation method • KC1.4
		Key flat cutting 	WKC	Two parallel flat cutting Range of designation $D/2 \leq WKC < H/2$	
		Head diameter change 	HC	Reduces head diameter. Range of designation $D+1 \leq HC < H$ and $D \geq 1.5$ Unit of designation 0.1mm increments Designation method HC6.5	
		Head diameter change (precision) 	HCC	Reduces head diameter. (Precision) Range of designation $D+1 \leq HCC < H-0.3$ and $D \geq 1.5$ Unit of designation 0.1mm increments Designation method HCC6.1 (JIS Type Only)	
		Head thickness change 	TC	Reduces the head thickness from the standard. Dimension L remains unchanged (except blank type). Range of designation $T/2 \leq TC < T$ $D \geq 1.5$ $T-TC \leq L_{max}$. -L (JIS Type Only)	

Alteration Guide for Ejector Blades

Items	Applicable Products	Alterations	Codes	Specifications
Head alteration Ejector Blades		Key flat cutting (angled) 	AKC	Changes the flat position clockwise from the standard position (standard: 0°). Range of designation $0 \leq AKC < 360$ Unit of designation (AKC) Designation method $\theta = 0^\circ \dots AKC0$ 45° increments 1° increments $\theta = 45^\circ \dots AKC45$
		Key flat cutting (angled) 	AWC	Adds two parallel flats at the standard (0°) position, or at the designated angle (clockwise in 1° increments from the standard position). Range of designation $0 \leq AWC < 360$ Unit of designation 1° increments Designation method $\theta = 0^\circ \dots AWC0$, $\theta = 45^\circ \dots AWC45$
		Key flat cutting (angled)  Standard location 180°	ARC	Adds two right-angled flats at the standard (0°) position, moreover at the designated angle (clockwise in 1° increments from the standard position). Range of designation $0 \leq ARC < 360$ Unit of designation 1° increments Designation method $\theta = 0^\circ \dots ARC0$, $\theta = 45^\circ \dots ARC45$
		Key flat cutting (angled)  Standard location 180°	ADC	Adds three flats at the standard (0°) position, moreover at the designated angle (clockwise in 1° increments from the standard position). Range of designation $0 \leq ADC < 360$ Unit of designation 1° increments Designation method $\theta = 0^\circ \dots ADC0$, $\theta = 45^\circ \dots ADC45$

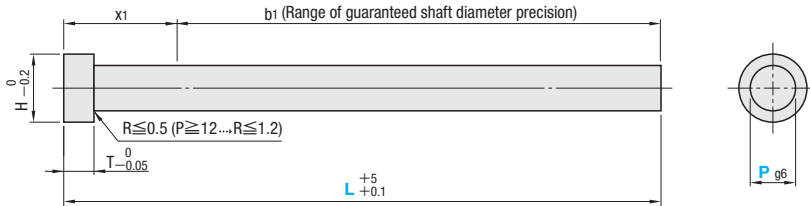
DIN Type
1.2344 equivalent
+
Nitrided

STRAIGHT EJECTOR PINS

—STANDARD TYPE—



D-EPN



1.2344 equivalent + Nitrided
Surface base: 900HV~
Material: 40~45HRC

Standard

H	T	P g6	Part No.		L Selection										
			Type	P											
2.5	1.2	-0.002 -0.008	D-EPN	1	100 125 160 200										
				1.1	100 125 160 200										
				1.2	100 125 160 200										
3	1.5	-0.004 -0.012	D-EPN	1.5	100 125 160 200 250										
4	2			1.8	100 125 160 200										
				2	100 125 160 200 250 315										
5	3	-0.004 -0.012	D-EPN	2.5	100 125 160 200 250 315 400										
6				3	100 125 160 200 250 315 400 500										
7				3.5	100 125 160 200 250 315 400										
8	5	-0.005 -0.014	D-EPN	4	100 125 160 200 250 315 400 500 630										
10				4.5	100 125 160 200 250 315										
				5	100 125 160 200 250 315 400 500 630 800 1000										
12	7	-0.006 -0.017	D-EPN	5.5	100 125 160 200 250 315 400 500										
				6	100 125 160 200 250 315 400 500 630 800 1000										
				6.5	100 125 160 200 250 315 400 500										
14	8	-0.007	D-EPN	7	100 125 160 200 250 315 400 500										
				7.5	100 125 160 200 250 315 400 500										
				8	100 125 160 200 250 315 400 500 630 800 1000										
16	10	-0.020	D-EPN	8.5	100 125 160 200 250 315 400 500										
				9	100 125 160 200 250 315 400 500 630										
				9.5	100 125 160 200 250 315 400 500										
18	11	-0.006 -0.017	D-EPN	10	100 125 160 200 250 315 400 500 630 800 1000										
				10.5	100 125 160 200 250 315 400 500										
				11	100 125 160 200 250 315 400 500										
22	12	-0.006 -0.017	D-EPN	12	100 125 160 200 250 315 400 500 630 800 1000										
				12.2	125 160 200 250 315 400 500 630										
				12.5	100 125 160 200 250 315 400 500										
24	14	-0.007	D-EPN	14	100 125 160 200 250 315 400 500 630										
				16	100 125 160 200 250 315 400 500 630 800 1000										
				18	125 160 200 250 315 400 500 630 800 1000										
26	16	-0.007	D-EPN	20	100 125 160 200 250 315 400 500 630 800 1000										
				25	125 160 200 250 315 400 500 630										
32	18	-0.020	D-EPN	25	125 160 200 250 315 400 500 630										



Order

Part No. — L
D-EPN 3 — 100

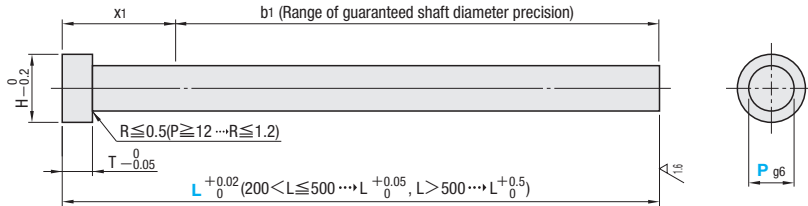
DIN Type
1.2344 equivalent
+
Nitrided

STRAIGHT EJECTOR PINS

—L/L · P DIMENSION SPECIFY TYPE—



D-EPN-L (L Specify)
D-EPNB (L · P Specify)



1.2344 equivalent + Nitrided
 Surface base: 900HV~
 Materials: 40~45HRC

Ejector Pins

■ L Dimension Specify

H	T	P g6	Part No.		L 0.01mm increments
			Type	P	
2.5	1.2	-0.002	D-EPN-L	1	40.00 ~ 200.00
3	1.5			1.5	40.00 ~ 200.00
4	2	-0.008		2	40.00 ~ 315.00
5	2			2.5	40.00 ~ 315.00
6	3	-0.004		3	40.00 ~ 400.00
7				3.5	40.00 ~ 400.00
8				4	40.00 ~ 500.00
10	5	-0.012		4.5	40.00 ~ 250.00
12				5	40.00 ~ 400.00
14	7	-0.017		5.5	40.00 ~ 200.00
16			6	40.00 ~ 1000.00	
18			6.5	100.00 ~ 250.00	
22			8	100.00 ~ 1000.00	
26	10	-0.020	8	100.00 ~ 1000.00	
32			10		25

■ L · P Dimension Specify

H	T	P g6	Part No.		L 0.01mm increments	P 0.01mm increments
			Type	No.		
2.5	1.2	-0.002	D-EPNB	1	40.00 ~ 200.00	0.50 ~ 1.00
3	1.5			1.5	40.00 ~ 200.00	1.01 ~ 1.50
4	2	-0.008		2	40.00 ~ 315.00	1.51 ~ 2.00
5	2			2.5	40.00 ~ 315.00	2.01 ~ 2.50
6	3	-0.004		3	40.00 ~ 400.00	2.51 ~ 3.00
7				3.5	40.00 ~ 400.00	3.01 ~ 3.50
8				4	40.00 ~ 500.00	3.51 ~ 4.00
10	5	-0.012		4.5	40.00 ~ 250.00	4.01 ~ 4.50
12				5	40.00 ~ 400.00	4.51 ~ 5.00
14	7	-0.014		5.5	40.00 ~ 200.00	5.01 ~ 5.50
16			6	40.00 ~ 1000.00	5.51 ~ 6.00	
18			6.5	100.00 ~ 250.00	6.01 ~ 6.50	
22			8	100.00 ~ 1000.00	6.51 ~ 8.00	
26	10	-0.020	8	100.00 ~ 1000.00	8.01 ~ 10.00	
32			10		25	100.00 ~ 500.00
					12.01 ~ 16.00	
					16.01 ~ 20.00	
					20.01 ~ 25.00	

Alterations Part No. — L — P — (KC · WKC...etc.)
 D-EPNB 4.5 — 248.35 — P4.23 — WKC2.115

Alteration details P.4

Alterations	Code	Spec.
	KC	Single flat cutting $P/2 \leq KC < H/2$ (1) To align the key flat with the shaft diameter (Unit of designation) 0.005mm increments possible
	WKC	Two flats cutting $P/2 \leq WKC < H/2$ (2) To designate arbitrary key flat dimensions (Unit of designation) 0.1mm

Alterations	Code	Spec.
	HC	HC=0.1mm increments $P+1 \leq HC < H, P \geq 1.5$

Order Part No. — L — P
 D-EPN-L 1 — 100.00
 D-EPNB 1 — 100.00 — P0.50

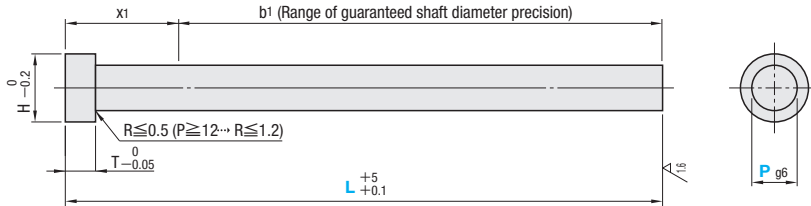
DIN Type
1.3505 equivalent
Hardened

STRAIGHT EJECTOR PINS

—STANDARD TYPE—



D-EPU



M 1.3505 equivalent
H 58~62HRC

H	T	P g6	Part No.		L Selection							
			Type	P								
2.5	1.2	-0.002 -0.008	D-EPU	1	100	125	160	200	250			
				1.1	100	125	160	200				
				1.2	100	125	160	200	250			
3	1.5	-0.002 -0.008		1.5	100	125	160	200	250	315		
				2	100	125	160	200	250	315	400	
4	2	-0.002 -0.008		2	100	125	160	200	250	315	400	
5				100	125	160	200	250	315			
6	3	-0.004 -0.012		3	100	125	160	200	250	315	400	500
7				100	125	160	200	250	315	400		
8				100	125	160	200	250	315	400	500	
10	3	-0.004 -0.012		4.5	100	125	160	200	250	315	400	500
				5	100	125	160	200	250	315	400	500
12	3	-0.004 -0.012		5.5	100	125	160	200	250	315	400	
				6	100	125	160	200	250	315	400	500
				6.5	100	125	160	200	250	315	400	
14	5	-0.005 -0.014		7	100	125	160	200	250	315	400	500
				7.5	100	125	160	200	250	315	400	
				8	100	125	160	200	250	315	400	500
				8.5	100	125	160	200	250	315	400	
				9	100	125	160	200	250	315	400	
16	5	-0.005 -0.014		9.5	100	125	160	200	250	315	400	
				10	100	125	160	200	250	315	400	500
				10.5	100	125	160	200	250	315	400	
18	7	-0.006 -0.017		11	100	125	160	200	250	315	400	
			12	100	125	160	200	250	315	400	500	
22	7	-0.006 -0.017	12.5	100	125	160	200	250	315	400		
			14	100	125	160	200	250	315	400	500	
			16	100	125	160	200	250	315	400	500	
24	7	-0.006 -0.017	18	125	160	200	250	315	400	500		
			20	100	125	160	200	250	315	400	500	
26	8	-0.007 -0.020	18	125	160	200	250	315	400	500		
			20	100	125	160	200	250	315	400	500	



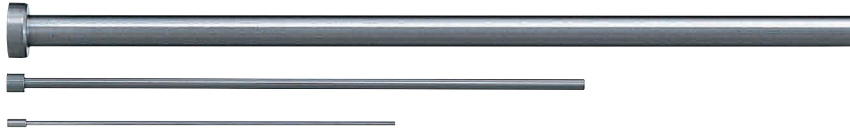
Order

Part No. — L
D-EPU 3 — 100

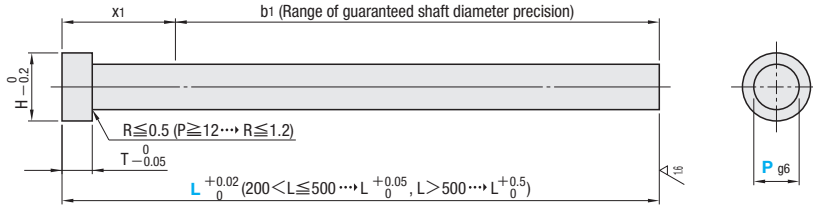
DIN Type
1.2344 equivalent
Hardened

STRAIGHT EJECTOR PINS

—L/L · P DIMENSION SPECIFY TYPE—



D-EPD-L (L Specify)
D-EPDB (L · P Specify)



1.2344 equivalent
50~55HRC

Ejector Pins

L Dimension Specify

H	T	P g6	Part No.		L 0.01mm increments
			Type	P	
2.5	1.2	-0.002 -0.008	D-EPD-L	1	40.00 ~ 200.00
3	1.5			1.5	
4	2			2	
5				2.5	
6				3	
7				3.5	
8	3			-0.004 -0.012	
10		4.5			
		5			
		5.5			
		6			
		6.5			
12		-0.005 -0.014	D-EPD-L	8	100.00 ~ 250.00
14	5			10	
16				12	
				16	
18	7	-0.006 -0.017	D-EPD-L	12	100.00 ~ 1000.00
22				16	
				20	
26	8	-0.007 -0.020	D-EPD-L	20	100.00 ~ 500.00
32	10			25	

L · P Dimension Specify

H	T	P g6	Part No.		L 0.01mm increments	P 0.01mm increments
			Type	No.		
2.5	1.2	-0.002 -0.008	D-EPDB	1	40.00 ~ 200.00	0.50 ~ 1.00
3	1.5			1.5		1.01 ~ 1.50
4	2			2		1.51 ~ 2.00
5				2.5		2.01 ~ 2.50
6				3		2.51 ~ 3.00
7				3.5		3.01 ~ 3.50
8	3			-0.004 -0.012		D-EPDB
10		4.5	4.01 ~ 4.50			
		5	4.51 ~ 5.00			
		5.5	5.01 ~ 5.50			
		6	5.51 ~ 6.00			
		6.5	6.01 ~ 6.50			
12		-0.005 -0.014	D-EPDB	8	100.00 ~ 1000.00	6.51 ~ 8.00
14	5			10		8.01 ~ 10.00
16				12		10.01 ~ 12.00
				16		12.01 ~ 16.00
18	7	-0.006 -0.017	D-EPDB	12	100.00 ~ 1000.00	16.01 ~ 20.00
22				16		20.01 ~ 25.00
				20		
26	8	-0.007 -0.020	D-EPDB	20	100.00 ~ 500.00	25.01 ~ 30.00
32	10			25		

Alteration details P.4

Alterations	Code	Spec.
	KC	Single flat cutting P/2 ≤ KC < H/2 About Designation Unit for Key Flat Cutting (1) To align the key flat with the shaft diameter Unit of designation D-EPD-L 0.05mm increments possible
	WKC	Two flats cutting P/2 ≤ WKC < H/2 D-EPDB 0.005mm increments possible (2) To designate arbitrary key flat dimensions Unit of designation 0.1mm

Alterations	Code	Spec.
	HC	HC=0.1mm increments P+1 ≤ HC < H, P ≥ 1.5

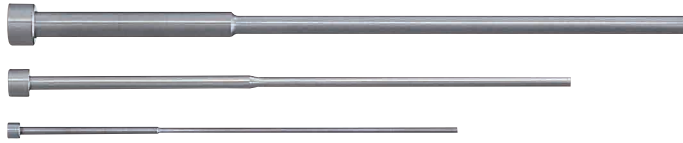
Order Part No. — L —
D-EPD-L 1 — 100.00

Alterations Part No. — L — P — (KC · WKC etc.)
D-EPDB 12 — 350.00 — P11.00 — HC15

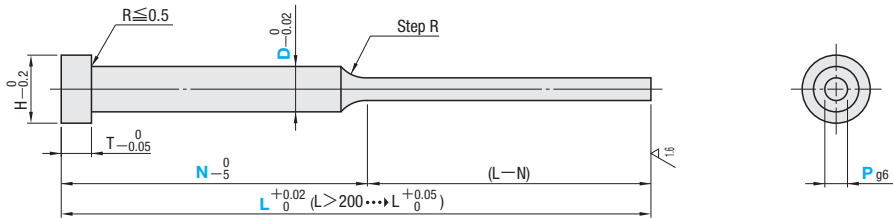
DIN Type
1.2344 equivalent
+
Nitrided

STEPPED EJECTOR PINS

—STANDARD TYPE—



D-ENSFB



M 1.2344 equivalent+Nitrided
H Surface 900HV~Material 40~45HRC

H	T	Part No.		L Selection	P	N
		Type	D			
3	1.5	D-ENSFB	1.5	100	0.8	40
				160	1	50
4	2		100	1 1.5	40	
			160		50	
			200	75		
5	2		100	1.5	40	
			160	1.5 2	50	
6	3		100	1 1.5	40 75	
			125			
			160	1 1.5 2	50 75	
			200			1.5 2 2.5

ⓘ Nitriding may extend to the head as it is applied after dimension P machining.



Order

Part No. — L — P — N
D-ENSFB 3 — 100 — P1.0 — N40

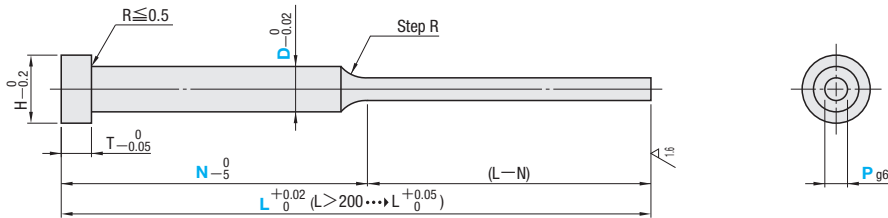
DIN Type
1.2344 equivalent
+
Nitrided

STEPPED EJECTOR PINS

— DIMENSIONS SPECIFY TYPE —



D-ENSF



M 1.2344 equivalent + Nitrided
H Surface 900HV ~ Material 40 ~ 45HRC

Ejector Pins

H	T	Part No.		L	P	N
		Type	No.			
3	1.5	D-ENSF	1.5	40.00 ~ 200.00	0.80 ~ 1.40	$N \ge 15$ and $15 \le (L - N) \le 150$
4	2		2	40.00 ~ 315.00	0.80 ~ 1.90	
5	2		2.5	40.00 ~ 315.00	0.80 ~ 2.40	
6	3		3	40.00 ~ 400.00	1.00 ~ 2.90	
7			3.5	40.00 ~ 400.00	1.50 ~ 3.40	
8			4	50.00 ~ 500.00	1.50 ~ 3.90	
10	5		4.5	50.00 ~ 250.00	2.50 ~ 4.40	$N \ge L/3$ and $(L - N) \ge 10$
12			5	50.00 ~ 400.00	3.00 ~ 4.90	
14			5.5	50.00 ~ 200.00	3.50 ~ 5.40	
16			6	50.00 ~ 1000.00	4.00 ~ 5.90	
18	7		6.5	50.00 ~ 250.00	4.50 ~ 6.40	
22			8	50.00 ~ 1000.00	5.90 ~ 7.90	
26			10		7.90 ~ 9.90	
			12		8.90 ~ 11.90	
	16		11.90 ~ 15.90			
	20			15.90 ~ 19.90		

⚠ Nitriding may extend to the head as it is applied after dimension P machining.



Alterations



Part No. — L — P — N — (KC · WKC...etc.)
D-ENSF 2.5 — 149.78 — P1.5 — N70 — KC1.25

Alteration details **P.4**

Alterations	Code	Spec.
	KC	Single flat cutting $D/2 \leq KC < H/2$ (1) To align the key flat with the shaft diameter [Unit of designation] 0.05mm increments possible
	WKC	Two flats cutting $D/2 \leq WKC < H/2$ (2) To designate arbitrary key flat dimensions [Unit of designation] 0.1mm

Alterations	Code	Spec.
	HC	$HC = 0.1\text{mm increments}$ $D + 1 \leq HC < H$



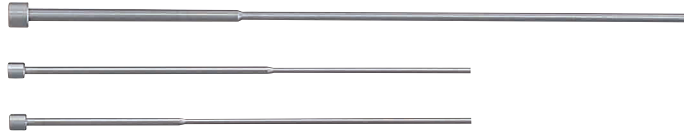
Order

Part No. — L — P — N
D-ENSF 2.5 — 149.78 — P1.5 — N70

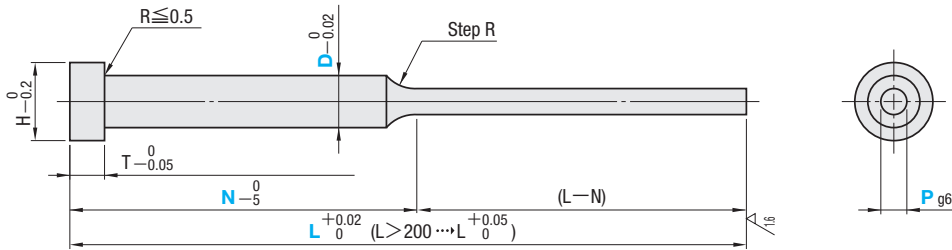
DIN Type
1.2344 equivalent
Hardened

STEPPED EJECTOR PINS

— DIMENSIONS SPECIFY TYPE —



D-EDSF



M 1.2344 equivalent
H 50~55HRC

H	T	Part No.		L		N
		Type	No.	0.01mm increments	0.01mm increments	
3	1.5	D-EDSF	1.5	40.00 ~ 200.00	0.80 ~ 1.40	$N \geq 15$ and $15 \leq (L-N) \leq 150$
4	2		2	40.00 ~ 315.00	0.80 ~ 1.90	
5	2		2.5	40.00 ~ 315.00	0.80 ~ 2.40	
6	3		3	40.00 ~ 400.00	1.00 ~ 2.90	
7			3.5	40.00 ~ 400.00	1.50 ~ 3.40	
8			4	50.00 ~ 500.00	1.50 ~ 3.90	
8	3		4.5	50.00 ~ 250.00	2.50 ~ 4.40	$N \geq L/3$ and $(L-N) \geq 10$
10	5		5	50.00 ~ 400.00	3.00 ~ 4.90	
12			5.5	50.00 ~ 200.00	3.50 ~ 5.40	
14			6	50.00 ~ 1000.00	4.00 ~ 5.90	
16			6.5	50.00 ~ 250.00	4.50 ~ 6.40	
18	7		8	50.00 ~ 1000.00	5.90 ~ 7.90	
22			10		7.90 ~ 9.90	
26			12		8.90 ~ 11.90	
			16		11.90 ~ 15.90	
	8		20		15.90 ~ 19.90	



Alterations



Part No. — L — P — N — (KC · WKC...etc.)

D-EDSF 2 — 149.78 — P1.5 — N70 — KC1

Alteration details P.4

Alterations	Code	Spec.
	KC	Single flat cutting $D/2 \leq KC < H/2$ (1) To align the key flat with the shaft diameter <small>(Unit of designation)</small> 0.05mm increments possible
	WKC	Two flats cutting $D/2 \leq WKC < H/2$ (2) To designate arbitrary key flat dimensions <small>(Unit of designation)</small> 0.1mm

Alterations	Code	Spec.
	HC	$HC = 0.1\text{mm increments}$ $D + 1 \leq HC < H$



Order

Part No. — L — P — N
D-EDSF 2.5 — 149.78 — P1.5 — N70

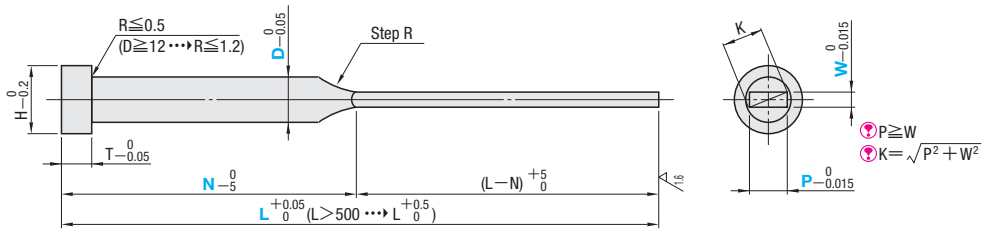
DIN Type
1.2344 equivalent
+
Nitrided

EJECTOR BLADES

—STANDARD TYPE—



D-ERNXB



⊗ This product is not polished after nitriding.
There is hardly any color unevenness, and no problem with the quality.

Ⓜ 1.2344 equivalent + Nitrided
Ⓜ Surface 900HV~ Material 40~45HRC

H	T	Part No.		L Selection	P	W	K max.	N				
		Type	D									
6	3	D-ERNXB	3	100	2 2.5	0.8	2.9	40				
				125								
				160								
8	3	D-ERNXB	4	100	3.5	1	3.9	40				
				125								
				160								
				4.5	125			4	4.4	40		
					160					50		
				10	5			D-ERNXB	5	125	4	1.2
			160									
12	5	D-ERNXB	6	160	5	1.2 1.5 2	5.9	50				
										200		
14				10	8	315	6	1.2	7.9	120		
												160
												200
16	7	D-ERNXB	10	200	8	2 2.5	9.9	50				
										250		
18	7	D-ERNXB	12	315	10	3	11.9	120				



Order

Part No. — L — P — W — N
D-ERNXB 4 — 125 — P3.5 — W1 — N40

Precision Standard

Squareness of the tip corner	Corner R value of the tip corner
<p>W plane as the base (Pmax. — Pmin.) ≤ 0.02</p>	<p>Rmax. ≤ 0.03 (Trimming R) ⊗ The tip corners have been slightly trimmed to measure the P · W dimensions.</p>

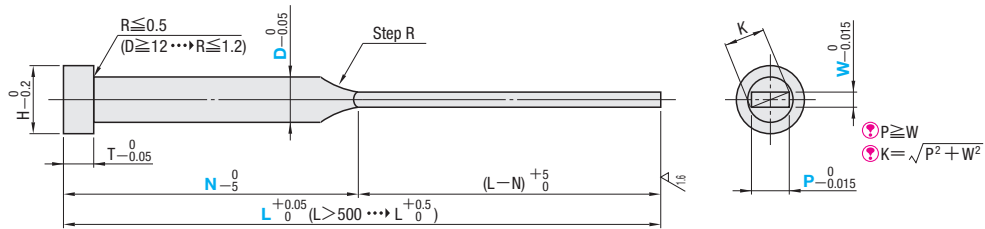
DIN Type
1.2344 equivalent
+
Nitrided

EJECTOR BLADES

— DIMENSIONS SPECIFY TYPE —



D-ERNX



⚠ This product is not polished after nitriding.
There is hardly any color unevenness, and no problem with the quality.

Ⓜ 1.2344 equivalent + Nitrided
Ⓜ Surface 900HV ~ Material 40 ~ 45HRC

H	T	Part No.		L	P	W	K max.	N	
		Type	D						0.01mm increments
4	2	D-ERNX	2	100.00 ~ 315.00	0.80 ~ 1.80	0.30 ~	1.9	$N \geq 30$ and $(L - N) \geq 30$	
5			2.5	100.00 ~ 400.00	0.80 ~ 2.30		2.4		
6			3		0.80 ~ 2.80		2.9		
7	3.5		1.00 ~ 3.30		3.4				
8	3		4		100.00 ~ 500.00		1.00 ~ 3.80		3.9
			4.5		100.00 ~ 250.00		1.20 ~ 4.30		4.4
			5		100.00 ~ 400.00	1.50 ~ 4.80	4.9		
10	5		5.5	100.00 ~ 200.00	1.80 ~ 5.30	0.50 ~	5.4		
			6	100.00 ~ 1000.00	2.00 ~ 5.80		5.9		
			6.5	100.00 ~ 250.00	2.00 ~ 6.30		6.4		
14	7		8	100.00 ~ 1000.00	2.50 ~ 7.80		1.00 ~		7.9
16			10		5.00 ~ 9.80				9.9
18		12	6.00 ~ 11.80		11.9				
22		16	8.00 ~ 15.80		15.9				
26		20	10.00 ~ 19.70		19.9				
32		25	13.00 ~ 24.70		24.9				

Order Part No. — L — P — W — N
D-ERNX12 — 505.00 — P10.00 — W5.00 — N170

Alterations Part No. — L — P — W — N — (AKC · AWC · etc.)
D-ERNX12 — 505.00 — P10.00 — W5.00 — N170 — AKC 0

Alteration details P.4

Alterations	Code	Spec.
	AKC	AKC = 1° increments ⚠ $0 \leq AKC < 360$
	AWC	AWC = 1° increments ⚠ $0 \leq AWC < 360$
	ARC	ARC = 1° increments ⚠ $0 \leq ARC < 360$

Alterations	Code	Spec.
	ADC	ADC = 1° increments ⚠ $0 \leq ADC < 360$
	HC	HC = 0.1mm increments ⚠ $D + 1 \leq HC < H$
	WR	2 places on top are rounded.
	FR	4 places on top are rounded.

Precision Standard

Squareness of the tip corner	Corner R value of the tip corner
 Pmax. Pmin. W W plane as the base $(Pmax. - Pmin.) \leq 0.02$	 Rmax. $Rmax. \leq 0.03$ (Trimming R) ⚠ The tip corners have been slightly trimmed to measure the P · W dimensions.

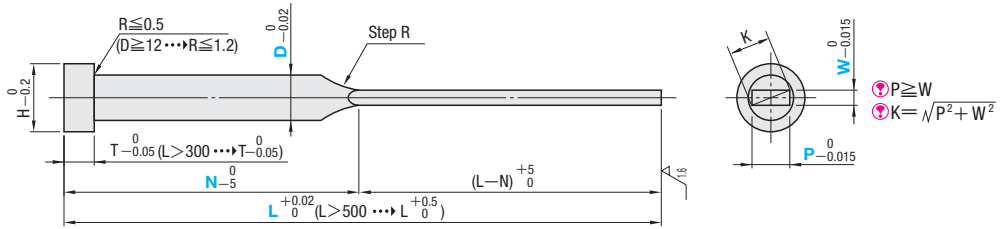
DIN Type
1.2344 equivalent
Hardened

EJECTOR BLADES

— DIMENSIONS SPECIFY TYPE —



D-ERDX



1.2344 equivalent
 50~55HRC

H	T	Part No.		L	P	W	K max.	N
		Type	D					
4	2	D-ERDX	2	100.00 ~ 315.00	0.80 ~ 1.80	0.30 ~	1.9	$N \geq 30$ and $(L-N) \geq 30$
5			2.5	100.00 ~ 400.00	0.80 ~ 2.30		2.4	
6	3		0.80 ~ 2.80		2.9			
7	3		3.5	100.00 ~ 250.00	1.00 ~ 3.30	0.40 ~	3.4	
8			4		1.00 ~ 3.80		3.9	
10			4.5	1.20 ~ 4.30	4.4			
12			5	1.50 ~ 4.80	4.9			
14	5		5.5	100.00 ~ 200.00	1.80 ~ 5.30	0.50 ~	5.4	
16			6	100.00 ~ 1000.00	2.00 ~ 5.80		5.9	
18			6.5	100.00 ~ 250.00	2.00 ~ 6.30	6.4		
22		8	100.00 ~ 1000.00	2.50 ~ 7.80	1.00 ~	7.9		
26		10		5.00 ~ 9.80		9.9		
32	12	6.00 ~ 11.80		11.9				
	7	16	100.00 ~ 500.00	8.00 ~ 15.80	1.50 ~	15.9	$D10 \sim D16 \quad N \geq 50$ $D20 \sim D25 \quad N \geq 55$ and $N \geq L/3, (L-N) \geq 10$	
	8	20		10.00 ~ 19.70		19.9		
	10	25		13.00 ~ 24.70	2.50 ~	24.9		



Alteration details P.4

Alterations	Code	Spec.
	AKC	AKC=1° increments $0 \leq AKC < 360$
	AWC	AWC=1° increments $0 \leq AWC < 360$
	ARC	ARC=1° increments $0 \leq ARC < 360$

Alterations	Code	Spec.
	ADC	ADC=1° increments $0 \leq ADC < 360$
	HC	HC=0.1mm increments $D+1 \leq HC < H$
	WR	2 places on top are rounded.
	FR	4 places on top are rounded.

Precision Standard

Squareness of the tip corner	Corner R value of the tip corner
 Pmax. Pmin. W W plane as the base $(Pmax. - Pmin.) \leq 0.02$	 Rmax. $Rmax. \leq 0.03$ (Trimming R) The tip corners have been slightly trimmed to measure the P · W dimensions.

Ejector Pins

DIN Type
1.2344 equivalent
+
Nitrided

DIN Type
1.2344 equivalent
+
Hardened

STRAIGHT EJECTOR SLEEVES

—◎0.08 STANDARD TYPE—



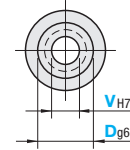
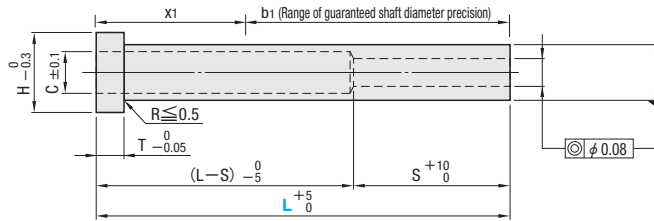
Type	□	□	□	□	V	Applicable center pin shaft diameter tolerance
D-ESN	1.2344 equivalent+Nitrided	Surface: 900HV Base Material: 40±3HRC			H7	*Note that for sleeves with V dimension tolerance of H7, combination with center pins that have shaft diameter tolerance -0.005 is not recommended. The reason for this is the fitting section S are longer.
D-ESD	1.2344 equivalent	Base Material: 50~55HRC				

□ Dg6

D≤6	6.5≤D≤10	12≤D≤16	D=20
-0.004	-0.005	-0.006	-0.007
-0.012	-0.014	-0.017	-0.020

□ VH7

V≤3	3.5≤V≤6	6.5≤V≤10	V≥12
+0.010	+0.012	+0.015	+0.018
0	0	0	0



$C=V+0.5$

Range of guaranteed shaft diameter precision ($b_1=L-X_1$)
x1 max.40

L	100	125	150	175	200	250	300	350	400	450	500
S	50 (V1.5→40)	60	75	100	115	150					

- ⊕ Nitriding may extend to the head as it is applied after dimension V and D machining.
- ⊕ The diameter (D) portion of the stepped center pin cannot be inserted into the relief hole (C).

H	T	Part No.		D	L	V		
		Type						
8	3	D-ESN (1.2344 equivalent + Nitrided)		4	100 *125 *150	1.5		
					100 *125 *150 *175 *200	2 2.5		
					100 *125 *150	1.5		
					100 125 *150 175 *200	2		
					*100 *125 *150 175 *200	2.5		
					100 *125 *150 *175 *200	2 2.5		
	10				5	100 125 *150 *175 *200	250 *300	3
						100 *125 150 175 200	2 2.5	
						100 *125 *150 175 *200	250 300	3
						100 125 *150 175 *200	250 300	3.5
						100 *125 *150 *175 *200	250 *300	2 2.5
						100 *125 *150 *175 *200	250 *300 350 *400 450	3 3.5
12	5	*100 *125 *150 *175 *200	250 *300 350 *400 450	4				
		*100 125 150 175 200	250 300	2.5				
		100 125 150 175 *200	250 300 350 *400 450	3				
		100 125 150 175 200	250 300 350 400 450	3.5				
		100 125 *150 175 *200	250 300 350 *400 450	4				
		100 125 150 175 200	250 300	2.5				
	7	5	100 125 150 175 200	250 300 350 400 450	3 3.5			
			100 125 *150 175 *200	250 *300 350 *400 450	4 4.5 5			
			100 125 150 175 200	250 300	3			
			100 125 150 175 200	250 300 350	3.5 4.5			
			100 125 150 175 *200	250 *300 350	4 5			
			100 125 *150 *175 *200	250 *300 350 *400 450	4			
14	5	100 125 150 175 200	250 300 350 400 450 500	4.5 5.5				
		100 125 *150 *175 *200	250 *300 350 *400 450 *500	5 6				
		100 125 150 175 200	250 300 350	3.5 4 4.5				
		100 125 *150 175 *200	250 *300 350 400 450 500	5 6.5				
		100 125 150 175 200	250 300 350 400 450 500	6				
		100 125 *150 175 200	250 *300 350 400 450 *500	5 6 6.5				
	16	7	100 125 150 175 200	250 300 350 400 450 *500	5.5			
			100 125 150 175 200	250 *300 350 400 450 *500	7			
			100 125 150 175 200	250 300 350 400 450	4			
			100 125 150 175 200	250 300 350 400 450 500	5 6.5 7			
			100 125 150 175 *200	250 *300 350 400 450 500	8 9			
			100 125 150 175 200	250 300 350 400 450 500	8 9			
22		7	100 125 150 175 *200	250 *300 350 400 450 500	10			
			100 125 150 175 200	250 300 350 400 450 500	9			
			100 125 150 175 200	250 300 350 400 450 500	10			
			100 125 150 175 200	250 300 350 400 450 500	10 12			
			100 125 150 175 *200	250 *300 350 400 450 500	11			
			100 125 150 175 200	250 300 350 400 450 500	12			
26	8	100 125 150 175 *200	250 *300 350 400 450 500	15				
		100 125 150 175 200	250 300 350 400 450 500	15				



Order

Part No. — L — V
D-ESN 6.5 — 125 — 2.5



Alterations

Part No. — L — V — (KC · WKC...etc.) Alteration details P.4
D-ESD 8 — 500 — 4.5 — KC4.5

DIN Type
1.2344 equivalent
+
Nitrided

DIN Type
1.2344 equivalent
Hardened

STRAIGHT EJECTOR SLEEVES

—◎0.08 DIMENSIONS SPECIFY TYPE—



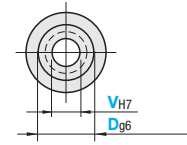
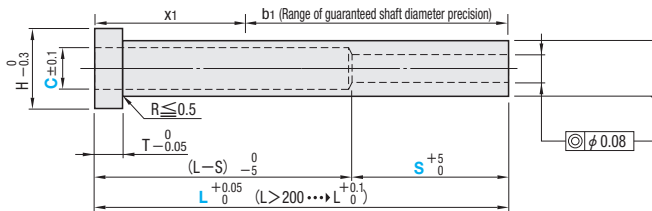
Type	M	H	T V	Applicable center pin shaft diameter tolerance
D-ESN-L	1.2344 equivalent+Nitrided	Surface: 900HV Base Material: 40±3HRC	H7	*Note that for sleeves with V dimension tolerance of H7, combination with center pins that have shaft diameter tolerance $-\frac{0}{0.005}$ is not recommended. The reason for this is the fitting section S are longer.
D-ESD-L	1.2344 equivalent	Base Material: 50~55HRC		

T D_{g6}

D ≤ 6	6.5 ≤ D ≤ 10	12 ≤ D ≤ 16	D = 20
-0.004	-0.005	-0.006	-0.007
-0.012	-0.014	-0.017	-0.020

T V_{H7}

V ≤ 3.0	3.1 ≤ V ≤ 6.0	6.1 ≤ V ≤ 10.0	V ≥ 10.1
+0.010 0	+0.012 0	+0.015 0	+0.018 0



Dimension C remains unchanged

Range of guaranteed shaft diameter precision (b₁=L-x₁)
x₁ max.40

☑ Nitriding may extend to the head as it is applied after dimension V and D machining.

☑ When the diameter (D) portion of the stepped center pin is inserted into the relief hole (C), make sure relief hole (C) ≥ pin diameter (D)+1.0

H	T	Part No.		L		V	C	Cmax.	S	
		Type	D	0.01mm increments	0.1mm increments	0.1mm increments	0.1mm increments		1mm increments	
8	3	D-ESN-L (1.2344 equivalent + Nitrided)	4	40.00~200.00	—	1.5~ 2.5	C ≥ V + 0.5 (☑ When L > 300 0.5mm increments)	3.0	20~100 (☑ D4, D4.5 When V1.5~V1.9 20~40)	L (L-S) min. 40.00~60.00 20 60.01~ 30
			4.5			1.5~ 3.0		3.5		
5	2.0~ 3.5		4.0							
5.5	2.0~ 4.0		4.5							
12	5	D-ESD-L (1.2344 equivalent Hardened)	6	40.00~400.00	500.1 ~ 800.0	2.0~ 4.5	C ≥ V + 0.5 (☑ When L > 300 0.5mm increments)	5.0	20~100 (L-S) ≥ 50	L (L-S) min. 40.00~60.00 20 60.01~ 30
			6.5			2.0~ 4.5		5.5		
7	2.0~ 5.0		6.0							
7.5	2.0~ 5.5		6.5							
14	7	D-ESD-L (1.2344 equivalent Hardened)	8	70.00~500.00	500.1 ~ 800.0	2.0~ 6.0	C ≥ V + 0.5 (☑ When L > 300 0.5mm increments)	6.5	20~100 (L-S) ≥ 50	L (L-S) min. 40.00~60.00 20 60.01~ 30
9			2.5~ 7.0			7.5				
10	2.5~ 8.0		8.5							
12	2.5~ 10.0		10.5							
16	7	D-ESD-L (1.2344 equivalent Hardened)	15	70.00~500.00	500.1 ~ 800.0	2.5~ 12.0	C ≥ V + 0.5 (☑ When L > 300 0.5mm increments)	12.5	20~100 (L-S) ≥ 50	L (L-S) min. 40.00~60.00 20 60.01~ 30
16			3.0~ 13.0			13.5				
18	3.0~ 16.0		15.5							
22	3.0~ 16.0		16.5							
26	8	D-ESD-L	20	100.00~500.00	500.1 ~ 800.0	3.0~ 16.0	16.5	20~100 (L-S) ≥ 50	L (L-S) min. 40.00~60.00 20 60.01~ 30	



Order

Part No.	L	V	C	S
D-ESN-L6	300	3.5	5.5	S30



Alterations

Part No.	L	V	C	S	(KC · WKC...etc.)
D-ESD-L8	500	4.5	6.5	S40	KC4.5

Alteration details P.4

Ejector Sleeves

DIN Type
1.2344 equivalent
+
Nitrided

DIN Type
1.2344 equivalent
+
Hardened

STRAIGHT EJECTOR SLEEVES

—◎0.08 DIMENSIONS SPECIFY TYPE—



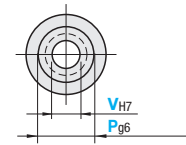
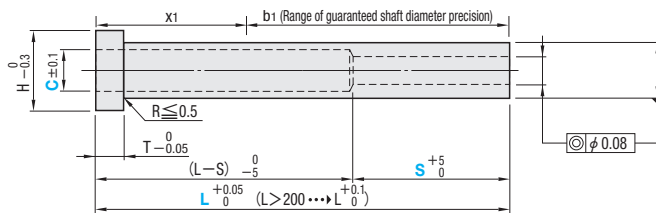
Part No.	M	H	T V	Applicable center pin shaft diameter tolerance
D-ESNB	1.2344 equivalent+Nitrided	Surface: 900HV Base Material: 40±3HRC	H7	*Note that for sleeves with V dimension tolerance of H7, combination with center pins that have shaft diameter tolerance $-\frac{0}{-0.005}$ is not recommended. The reason for this is the fitting section S are longer.
D-ESDB	1.2344 equivalent	Base Material: 50~55HRC		

T P_{g6}

P ≤ 6	6.5 ≤ P ≤ 10	12 ≤ P ≤ 16	P = 20
-0.004	-0.005	-0.006	-0.007
-0.012	-0.014	-0.017	-0.020

T V_{H7}

V ≤ 3.0	3.1 ≤ V ≤ 6.0	6.1 ≤ V ≤ 10.0	V ≥ 10.1
+0.010 0	+0.012 0	+0.015 0	+0.018 0



Dimension C remains unchanged

Range of guaranteed shaft diameter precision (b1=L-X1)
x1 max.40

⊙ Nitriding may extend to the head as it is applied after dimension V and P machining.

⊙ When the diameter (P) portion of the stepped center pin is inserted into the relief hole (C), make sure relief hole (C) ≥ pin diameter (P)+1.0

H	T	Part No.		L		P 0.1mm increments	V 0.1mm increments	C 0.1mm increments	Cmax.	S 1mm increments
		Type	No.	0.01mm increments	0.1mm increments					
8	3	D-ESNB	4	40.00~200.00	-	3.50~ 3.99	1.5~ 1.9	C ≥ V+0.5 and C ≤ P-1.5	2.4	20~100 (⊙No.4, No.4.5 When V1.5~V1.9 20~40)
			4.5			4.01~ 4.49	1.5~ 2.4		2.9	
10		(1.2344 equivalent + Nitrided)	5	40.00~300.00	-	4.51~ 4.99	2.0~ 2.9	⊙When L>300 0.5mm increments	3.4	20~100
			5.5			5.01~ 5.49	2.0~ 3.4		3.9	
12		(1.2344 equivalent + Nitrided)	6	40.00~400.00	-	5.51~ 5.99	2.0~ 3.9	⊙When L>300 0.5mm increments	4.4	20~100
			6.5			6.01~ 6.49	2.0~ 4.4		4.9	
14		(1.2344 equivalent + Nitrided)	7	40.00~400.00	-	6.51~ 6.99	2.0~ 4.9	⊙When L>300 0.5mm increments	5.4	20~100
			7.5			7.01~ 7.49	2.0~ 5.4		5.9	
16		D-ESDB	8	70.00~500.00	-	7.51~ 7.99	2.5~ 5.9	⊙When L>300 0.5mm increments	6.4	20~100
			9			8.01~ 8.99	2.5~ 6.9		7.4	
18		(1.2344 equivalent + Hardened)	10	70.00~500.00	-	9.01~ 9.99	2.5~ 7.9	⊙When L>300 0.5mm increments	8.4	20~100
			12			10.01~11.99	2.5~ 9.9		10.4	
22		(1.2344 equivalent + Hardened)	15	500.1~800.0	-	12.01~14.99	2.5~12.0	⊙When L>300 0.5mm increments	12.5	L (L-S) min. 40.00~60.00 20 60.01~70.00 30 70.01~80.00 40 80.01~ 50
			16			15.01~15.99	2.5~13.0		13.5	
26	8		20	100.00~500.00		16.01~19.99	3.0~16.0		16.5	

⊙ V ≤ P - 2.0



Order

Part No. — L — P — V — C — S
D-ESNB 4 — 200 — P3.5 — V1.5 — C2.0 — S30



Alterations

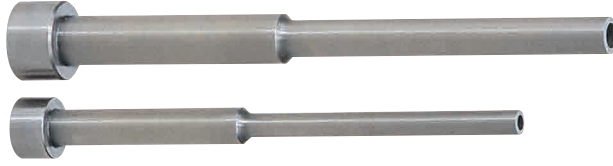
Part No. — L — P — V — C — S — (KC · WKC...etc.) Alteration details P.4
D-ESDB 10 — 300 — P9.1 — V5.5 — C6.2 — S50 — HC10

DIN Type
1.2344 equivalent
+
Nitrided

DIN Type
1.2344 equivalent
Hardened

STEP EJECTOR SLEEVES

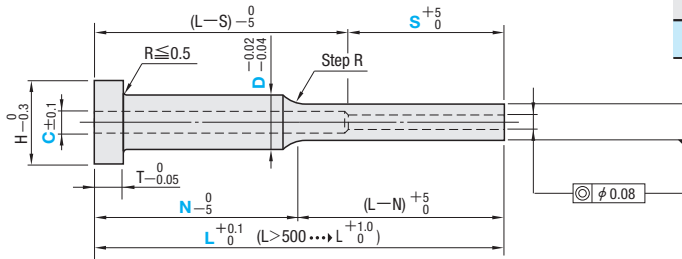
—◎0.08 DIMENSIONS SPECIFY TYPE—



Part No.	Material	Surface Treatment	Surface Hardness	Base Material	Surface Hardness	Applicable center pin shaft diameter tolerance
D-ESNF	1.2344 equivalent+Nitrided	Surface: 900HV Base Material: 40±3HRC	g6	H7	-0.01 -0.02	*Please note that the ejector sleeve with a V dimension tolerance of H7 has a long precision fitting portion S and is not suitable for use with a center pin with a shaft diameter tolerance of -0.005.
D-ESDF	1.2344 equivalent	Base Material: 50~55HRC				

P _{g6}			
P ≤ 6	6.5 ≤ P ≤ 10	12 ≤ P ≤ 16	P = 20
-0.004 -0.012	-0.005 -0.014	-0.006 -0.017	-0.007 -0.020

V _{H7}			
V ≤ 3.0	3.1 ≤ V ≤ 6.0	6.1 ≤ V ≤ 10.0	V ≥ 10.1
+0.010 0	+0.012 0	+0.015 0	+0.018 0



Dimension C remains unchanged

- Ⓢ Nitriding may extend to the head as it is applied after dimension V, D and P machining.
- Ⓢ When the diameter (D) portion of the stepped center pin is inserted into the relief hole (C) of D-ESNF, D-ESDF type, make sure $\text{relief hole (C)} \geq \text{pin diameter (D)} + 1.0$

H	T	Part No. Type	D	L		V		P		C	Cmax.	N	S
				0.01mm increments	0.1mm increments	0.1mm increments	0.01mm increments	0.1mm increments	1mm increments				
10	3	D-ESNF (1.2344 equivalent + Nitrided)	5	50.00~300.00	—	2.0~3.0	3.50~4.95	C ≥ V+0.5 and C ≤ P-1.0	Ⓢ When L > 300 0.5mm increments	3.5	N ≥ L/3	20~100	L (L-S) min. 50.00~60.00 20 60.01~ 30
			5.5			2.0~3.5	3.50~5.45			4.0			
6	2.0~4.0		4.00~5.95			4.5							
6.5	2.0~4.5		4.00~6.45			5.0							
12	5	D-ESDF (1.2344 equivalent) Hardened	7	50.00~500.00	—	2.0~4.5	4.00~6.95	Ⓢ When L > 300 0.5mm increments	Ⓢ When L > 300 0.5mm increments	5.0	N ≥ L/3	20~100 (L-S) ≥ 50	L (L-S) min. 50.00~60.00 20 60.01~ 30
			7.5			2.0~5.0	4.00~7.45			5.5			
8	2.5~5.5		5.00~7.95			6.0							
9	3.0~6.5		6.00~8.95			7.0							
14	5	D-ESDF (1.2344 equivalent) Hardened	9	70.00~500.00	—	3.5~7.5	6.00~9.95	Ⓢ When L > 300 0.5mm increments	Ⓢ When L > 300 0.5mm increments	8.0	N ≥ L/3	20~100 (L-S) ≥ 50	L (L-S) min. 50.00~60.00 20 60.01~ 30
16	10		4.0~8.5			7.50~11.95	9.0						
18	7		12			5.0~10.5	10.00~14.95			11.0			
22	15		5.0~11.5			12.00~15.95	12.0						
26	8	D-ESDF (1.2344 equivalent) Hardened	16	100.00~500.00	500.1~800.0	7.0~16.0	14.50~19.95	Ⓢ When L > 300 0.5mm increments	Ⓢ When L > 300 0.5mm increments	17.0	N ≥ L/3	20~100 (L-S) ≥ 50	L (L-S) min. 50.00~60.00 20 60.01~ 30
20	5.0~10.5		10.00~14.95			11.0							

Ⓢ Lower limit of P and V

L	D	5 · 5.5	6~7	7.5 · 8	9~20
L ≤ 300		P ≥ V+1.5	P ≥ V+1.5	P ≥ V+1.5	P ≥ V+2
L > 300 and (L-N-10) ≤ S		—	P ≥ V+3	P ≥ V+4	P ≥ V+4.5
L > 300 and (L-N-10) > S		—	P ≥ (V+3) and (P-C)/2 ≥ 0.75	P ≥ (V+4) and (P-C)/2 ≥ 0.75	P ≥ (V+4.5) and (P-C)/2 ≥ 0.75



Order

Part No. — L — V — P — C — N — S
D-ESNF 12 — 200.05 — V4.5 — P7.55 — C6.0 — N120 — S85



Alterations

Part No. — L — V — P — C — N — S — (KC · WKC · etc.) Alterations details ☒ P.4
D-ESDF 6 — 150.00 — V3.0 — P5.50 — C4.0 — N80 — S85 — KC3.5

DIN Type
1.2344 equivalent
+
Nitrided

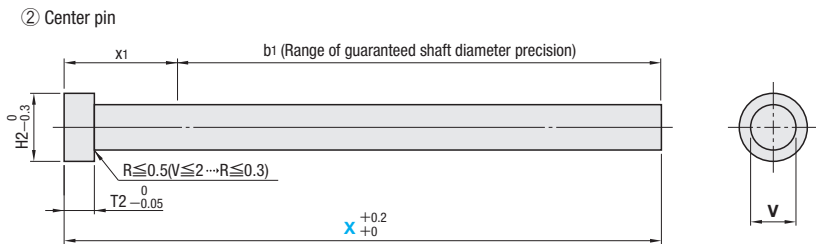
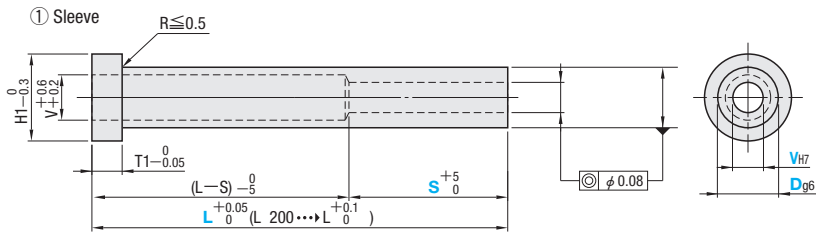
DIN Type
1.2344 equivalent
Hardened

STRAIGHT EJECTOR SLEEVES & STRAIGHT CENTER PIN SETS

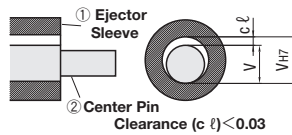


Part No.		M	H
D-ESNP	①	1.2344 equivalent + Nitrided	Surface: 900HV Base Material: 40±3HRC
	②	1.2344 equivalent + Nitrided	Surface: 900HV Base Material: 40±3HRC
D-ESDP	①	1.2344 equivalent	Base Material: 50~55HRC
	②	1.2344 equivalent	Base Material: 50~55HRC

Ⓜ Nitriding may extend to the head as it is applied after dimension V and D machining.
Ⓜ To add fitting processing, not applicable to combination with other than sets.



Clearance (cℓ) between the ejector sleeve's internal diameter (V_{H7}) and the center pin's shaft diameter (V).



V_{H7} Dimension

V (sleeve)	Tolerance
2.0 ~ 3.0	+0.010 0
3.1 ~ 6.0	+0.012 0
6.1 ~ 10.0	+0.015 0
10.1 ~ 16.0	+0.018 0

Range of guaranteed shaft diameter precision (b1=L-x1)
x1 max.40

H1	T1	Part No.		L		V 0.1mm increments	S 1mm increments	X 5mm increments							
		Type	D	0.01mm increments	0.1mm increments										
8	3	D-ESNP (1.2344 equivalent + Nitrided)	4	40.00~200.00	-	1.5~2.5	20~100 (ϕ D4, D4.5 When V1.5~V1.9 20~40)								
			4.5			1.5~3.0									
10	5		40.00~300.00	2.0~3.5											
	5.5			2.0~4.0											
12	5		6	40.00~450.00		2.0~4.5			<table border="1"> <tr> <td>L</td> <td>(L-S) min.</td> </tr> <tr> <td>40.00~60.00</td> <td>20</td> </tr> <tr> <td>60.01~</td> <td>30</td> </tr> </table>	L	(L-S) min.	40.00~60.00	20	60.01~	30
			L			(L-S) min.									
			40.00~60.00			20									
			60.01~			30									
6.5	2.0~4.5														
7	2.0~5.0														
7.5	2.0~5.5														
14	5	D-ESDP (1.2344 equivalent Hardened)	70.00~500.00	8	20~100 (L-S) \geq 50	$X \geq L + 20$ and $X \leq L + 100$									
				9			2.0~6.0								
				10			2.5~7.0								
16	12			70.00~500.00			2.5~8.0								
	15						2.5~10.0								
18	7			D-ESDP (1.2344 equivalent Hardened)			500.1~800.0	16	20~100 (L-S) \geq 50	$X \geq L + 20$ and $X \leq L + 100$					
								22			2.5~12.0				
26	8							D-ESDP (1.2344 equivalent Hardened)			100.00~500.00	3.0~13.0	20~100 (L-S) \geq 50	$X \geq L + 20$ and $X \leq L + 100$	
												20			3.0~16.0

Ejector Sleeves

Head diameter/thickness of center pin		
H2	T2	V (Center pin)
3	1.5	1.5
4	2	1.6~ 2.0
5		2.1~ 2.5
6	3	2.6~ 3.0
7		3.1~ 3.5
8		3.6~ 4.5
10	5	4.6~ 5.5
12		5.6~ 6.5
14		6.6~ 8.0
16		8.1~10.0
18	7	10.1~12.0
22		12.1~16.0



Order

Part No. - L - V - S - X
D-ESNP10 - 250.00 - 6.5 - S80 - X360



Alterations

Part No. - L - V - S - X - (KC · WKC...etc.)
D-ESNP10 - 150.3 - 2.5 - S60 - X215 - HC14

Alteration details P.4

DIN Type
1.2344 equivalent
Hardened

STRAIGHT CORE PINS

—STANDARD TYPE—

Part No.	Material	Hardness	D Tolerance
D-CPD	1.2344 equivalent	48~52HRC	g6

H	T	Part No.		L		
		Type	D			
2.5	1.2	D-CPD	1	125		
3	1.5		1.5			
4	2		2			
5			2.5			
6			3			
7	3		3.5			
8			4			
10			4.5			
12	5		5			
14			6			
					8	



Order

Part No. — L
D-CPD2.5 — 125