

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 8.72 MILES AFTER HAU NDB
HLN VORTAC	HAU NDB	089.65 / 8.40	9700*	CLIMB TO 4600 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 021 AND HLN VORTAC R-336 TO WOKEN/GTF 37.68 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 026.00 INBOUND. CHART: 175K ICON AT HAU NDB. CHART: ARRIVAL HOLDING AT JUVGO: HOLD E, RT, 266.71 INBOUND, 11100. (DME REQUIRED). FAS OBST: 4240 AAO 463447N/1115220W 4280 AAO 463424N/1115045W CHART HLN R-336 AT CUSDA. CHART HLN R-008 AT PATRR. CHART HLN R-058 AT ZIMUM. CHART HLN R-208 AT HUDVU. CHART HLN R-175 AT NNORA. CHART HLN R-103 AT KEDEC. CHART CIRCLING ICON
CUSDA/HLN 20.00 DME CW (IAF)	ZIMUM/HLN 20.00 DME (NOPT)	20.00 DME ARC	11100	
PATRR/HLN 20.00 DME CW (IAF)	ZIMUM/HLN 20.00 DME (NOPT)	20.00 DME ARC	11100	
ZIMUM/HLN 20.00 DME CW	DOOKR/HLN 20.00 DME	20.00 DME ARC (HLN LR-081)	10200	
HUDVU/HLN 20.00 DME CCW (IAF)	KEDEC/HLN 20.00 DME (NOPT)	20.00 DME ARC	11100	
NNORA/HLN 20.00 DME CCW (IAF) (SEE FORM 8260-10)	KEDEC/HLN 20.00 DME (NOPT)	20.00 DME ARC	11100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E HAUSER NDB, RT, 266.71 INBOUND, 7400 FT. IN LIEU OF PT (IAF)
- FAC: 266.71 FAF: HAU NDB PFAF: GELEY DIST FAF TO MAP: 8.72 THLD: 8.72
- MIN. ALT: YERUT 9000, HAU NDB 7100*, FERRI OM/HLN 4.42 DME 5620*
- DIST TO THLD FROM OM: 4.73 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1019
- MIN GS INCPT: 7400 GS ALT AT: GELEY 7400 OM: 5428 MM: - IM: -
- GS ANGLE: 3.00 TCH: 54.5
- MSA FROM: HAU NDB 045-225 10800, 225-315 10000, 315-045 9200

MAG VAR: 16E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: @												
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 27	4052	1/2	200	4052	1/2	200	4052	1/2	200	4052	1/2	200	4052	1/2	200
S-LOC 27	5620	3/4	1768	5620	1	1768	5620	3	1768	5620	3	1768	5620	3	1768
CIRCLING	5620	1 1/4	1743	5620	1 1/2	1743	5920	3	2043	5920	3	2043	5920	3	2043

FERRI FIX MINIMUMS*

S-LOC 27	4520	1/2	668	4520	1/2	668	4520	1 1/2	668	4520	1 1/2	668	4520	1 1/2	668
CIRCLING	4640	1	763	4800	1 1/4	923	5920	3	2043	5920	3	2043	5920	3	2043

NOTES:
CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

#@ NA WHEN CONTROL TOWER CLOSED.
CAT A, B 1800-2, CAT C, D, E 2100-3
@ CAT A, B 1800-2, CAT C, D, E 2100-3

*LOC ONLY
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 27 CAT C/D/E. FOR INOPERATIVE MALSR, (SEE FORM 8260-10)

CITY AND STATE HELENA, MT	ELEVATION: 3877 TDZE: 3852 AIRPORT NAME: HELENA RGNL	FACILITY IDENTIFIER: I-HLN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC Z RWY 27, AMDT 2 5 FEBRUARY 2015	SUP: AMDT: 1A DATED 05/30/2013
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QUALITY
8
CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KEDEC/HLN 20.00 DME CCW	DOOKR/HLN 20.00 DME	20.00 DME ARC (HLN LR-094)	10200
JUVGO/HLN 22.00 DME (IAF)	DOOKR/HLN 20.00 DME (NOPT)	266.71 / 2.00 (I-HLN)	10200
DOOKR/HLN 20.00 DME	YERUT/HLN 16.40 DME	266.71 / 3.60 (I-HLN)	9000
YERUT/HLN 16.40 DME (IF)	GELEY/HLN 10.67 DME	266.71 / 5.73 (I-HLN)	7400
YERUT/HLN 16.40 DME (IF)	HAU NDB	266.71 / 8.01 (I-HLN)	7100*

NOTES, (CONT.):

INCREASE S-ILS 27 CAT E VISIBILITY TO 3/4 MILE, INCREASE FERRI FIX MINIMUMS: S-LOC 27 CAT C/D/E VISIBILITY TO 1 7/8 MILES.
 CHART NOTE: MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 300 FT PER NM TO 6000, IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS OR LOC Y RWY 27.
 CIRCLING NA SOUTH OF RWY 9-27 FOR CATS D AND E.
 CHART NOTE: NIGHT LANDING: RWY 5, 23, 35 NA.
 CHART NOTE: DME FROM HLN VORTAC, SIMULTANEOUS RECEPTION OF I-HLN AND HLN DME REQUIRED.
 CHART NOTE: HOLDING AT HAU NDB AUTHORIZED FOR CATEGORY A AND B AIRCRAFT ONLY.

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CITY AND STATE HELENA, MT	ELEVATION: 3877	TDZE: 3852	FACILITY IDENTIFIER: I-HLN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC Z RWY 27, AMDT 2 5 FEBRUARY 2015	SUP:	
	AIRPORT NAME: HELENA RGNL				AMDT:	1A
					DATED:	05/30/2013