IRRICAD™ Pivot Module for Version 21

C01 C02 C03 C04 C05 C06 C07 C08 C09 C10 C11

Introducing the Pivot Module for IRRICAD

Determine Pivot Pressure and Flow Requirements |
Represent Pivots Graphically | Specify Required Parameters |
Pivot Design Reports | Pivot Maps

Available for lease or purchase with an IRRICAD licence.

www.irricad.com

*Box for illustrative purposes only
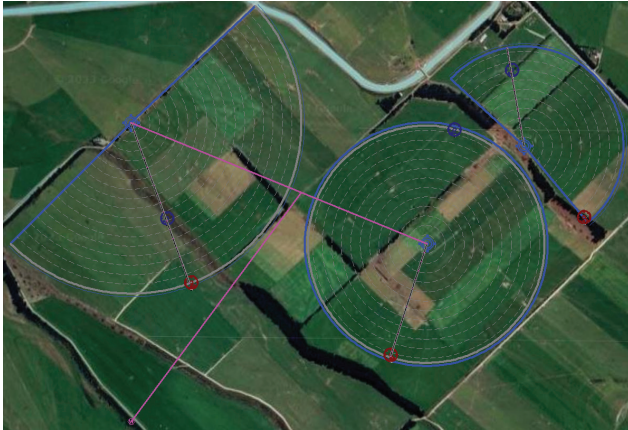
IRRICAD™ Pivot for V21 Standalone & Link

Featuring new functions for improved user experience

Pivot Module

A companion product has been developed to include the theoretical design and analysis of center pivots. This module is an add-on to IRRICAD Version 21.

Create Pivot Visuals

Create full or part circle center pivots in an IRRICAD design complete with wheel tracks and pivot arm with the click of a button.

Pivot Specifications

Specify the required spans, minimum outlet pressure, and application requirements in a comprehensive but easy-to-use dialog.

An exlusive water source and pumps can also be created for the pivot if required.
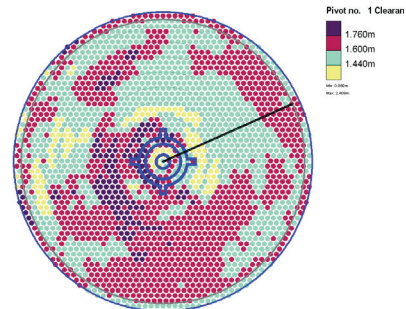
Pivot Design

Determine the pressure and flow requirements of the pivot based on your specifications. Analyze and display reports on the current position of the pivot arm. This can easily be moved to see the results in different positions.

Pivot no. 2

| Flow : | 136.94 (m³/h) | Arc : | 178.15 (°) | Length : | 733.00 (m) | Outlet Diameter : | 10.00 (m) |
| Pressure : | 21.80 (m) | Area : | 83.53 (Ha) | | | Application Rate : | 4.00 (mm/d) |

Pivot no.   2 Span Configuration

#	Description	Length (m)	Area (Ha)	Nominal (mm)	Flow (m³/h) Total	Flow (m³/h) Used	Velocity (m/s)	Head Loss (m)	A.A.R. (mm/h)
1	168mm Span	40.00	0.25	162	136.94	0.41	1.84	0.77	2.15
2	168mm Span	40.02	0.75	162	136.53	1.24	1.83	-0.16	4.30
3	168mm Span	40.00	1.24	162	135.28	2.07	1.81	0.95	6.45
4	168mm Span	40.00	1.74	162	133.21	2.90	1.78	0.79	8.59
5	168mm Span	40.00	2.24	162	130.31	3.73	1.73	0.77	10.74
6	168mm Span	40.00	2.74	162	126.58	4.56	1.68	0.73	12.89
7	168mm Span	40.00	3.23	162	122.02	5.39	1.61	0.66	15.04
8	168mm Span	40.00	3.73	162	116.63	6.22	1.53	0.42	17.19
9	168mm Span	40.01	4.23	162	110.41	7.05	1.44	-0.16	19.34
10	168mm Span	40.01	4.73	162	103.36	7.88	1.34	0.36	21.48
11	168mm Span	40.00	5.22	162	95.48	8.71	1.23	0.02	23.63
12	168mm Span	40.02	5.72	162	86.78	9.54	1.11	-0.89	25.78
13	168mm Span	40.02	6.22	162	77.24	10.36	0.97	-1.05	27.93
14	168mm Span	40.02	6.72	162	66.88	11.19	0.83	-0.97	30.08
15	168mm Span	40.02	7.21	162	55.68	12.02	0.67	-1.14	32.23
16	168mm Span	40.01	7.71	162	43.66	12.85	0.50	-0.70	34.37
17	168mm Span	40.04	8.21	162	30.81	13.68	0.32	-1.78	36.52
18	168mm Span	40.02	8.71	162	17.13	17.13	0.13	-1.12	38.67

Pivot Maps

Additional graphical maps have been included to display pivot-specific information such as track gradient, span angle, pivot arm twist, and outlet ground clearances.

Additional Features

- A new "Circle Seed" tool creates the largest circle possible within another closed object, which can be useful for specifying the location and size of a center pivot.

- Zone Pumps can be now be placed either manually from the zone menu, or specified on the pivot arm via the Pivot dialog.

Upgrade Pricing

Contact your IRRICAD distributor for local pricing.

Contact Us

To request a live demonstration, workshop training session, or product support please contact your local distributor or email support@irricad.com

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