

Technical drawing of a rectangular steel structure, likely a frame or support. The drawing shows a side view with dimensions and callouts.

Dimensions:

- Overall width: 4760
- Overall height: 4720
- Internal width: 134
- Internal height: 70

Callouts and Notes:

- 01: Top horizontal beam.
- 02: Bottom horizontal beam.
- 03: Vertical beam on the right side.
- 04: Vertical beam on the left side.
- 05: Vertical beam on the left side (inner).
- 06: Vertical beam on the left side (outer).
- 07: Vertical beam on the right side (inner).
- 08: Vertical beam on the right side (outer).
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- 100: Vertical beam on the right side (outer).

Note: 12xM16 KL.8.8 L=80mm

Uwaga: Zastosować nakrętkę spawaną DIN 929 od wewnątrz rury.

Technical drawing of a circular structure, likely a cross-section of a pipe or a similar component. The drawing shows a central circular opening with a diameter of  $\varnothing 183$ . The outer boundary is a larger circle with a diameter of  $\varnothing 282$ . The thickness of the material is indicated as 04. The structure is supported by a base (06) and has a central vertical axis (05). The drawing includes a north arrow pointing upwards. The labels 01, 02, 03, 04, 05, and 06 are used to identify different parts of the structure.



POZ.	NUMER ELEMENTU	NAZWA ELEMENTU	DŁUGOŚĆ [mm]	GATUNEK STALI	LICZBA SZTUK	DŁ. RAZEM [m]	MASA JEDN [kg/m]	MASA 1 ELEM [kg]	MASA RAZEM [kg]	POLE JEDN [m <sup>2</sup> /m]	POLE 1 ELEM [m <sup>2</sup> ]	POLE RAZEM [m <sup>2</sup> ]
Ds-03	01	O 457/12.5	4720	S235JR	1	4.72	137.03	646.76	646.76	1.44	6.78	6.78
Ds-03	02	BL 20x437	437	S235JR	2	0.87	68.61	29.98	59.96	0.91	0.40	0.80
Ds-03	03	BL 20x140	538	S235JR	2	1.08	21.98	11.83	23.65	0.32	0.17	0.34
Ds-03	04	BL 6x138	500	S235JR	2	1.00	6.50	3.25	6.50	0.29	0.14	0.29
Ds-03	05	BL 6x538	1000	S235JR	2	2.00	25.34	25.34	50.68	1.09	1.09	2.18
Ds-03	06	BL 6x138	1000	S235JR	1	1.00	6.50	6.50	6.50	0.29	0.29	0.29
OGÓŁEM									794.05			10.68
NADDATEK NA SPOINY: 1.8%									14.29			0.19
RAZEM:									808.34			10.87
WYKONAĆ: x 12									9700.08			130.44

ŚRUBA	KLASA ŚRUBY	IŁOŚĆ [szt.]	CIEŻAR [kg]	MOMENT DOKRĘCENIA Mo [Nm]	NORMY	UWAGI
M16x80	8.8	44	9,32	—	PN-EN ISO 4014	N+1P
	Wykonać x	12	111,84			

INWESTOR		Gmina Kielce - Kielecki Park Technologiczny, ul. Olszewskiego 6, 24-663 Kielce		EDYCJA:	DATA
LOKALIZACJA		DZ. NR EW. 6/369; 6/367; 6/365; 6/91; 7/9; 6/159; 6/163 OBR. 0005 KIELCE przy ul. Olszewskiego w Kielcach		BRANŻA KONSTR.	FAZA
PROJEKT		BUDOWA WIAT PARKINGOWYCH Z MODUŁAMI FOTOWOLTAICZNYMI WRAZ Z INFRASTRUKTURĄ TECHN.		SKALA	PW.
TEMAT RYS.		Dźwigar stalowy Ds-03		1:10	NR RYS. KW 09
PROJEKTANT		SPRAWDZAJĄCY		ZESPÓŁ PROJEKTOWY	
mgr inż. Wojciech Wyczyński		mgr inż. Jacek Matuszak		mgr inż. Ewa Kłoczowska	
WPK/0229/POCK/08		WPK/0216/POCK/07			