

11

Entering Stiffeners Data

- ✓ Plate Type
 - Annular Type
 - Shell Type
- ✓ Profile Type

✓ Entering Stiffeners Data (Plate Type)



If your equipment includes Stiffener from plate, you have to enter its data on this page. The pivotal point would be to correctly define Stiffener Element, in this regard.

No.	Item No.	Shell O.D. (mm)	Ring Th'k (mm)	Ring Width (mm)	Element Type	Contact Angle (Deg)	Material	W/One (Kg)	QTY	Total W (Kg)	RoI
									Sum: 20	Sum: 1,115	
1	80-D-3802 B	1,800	20	950	Shell Type	30	SA-516 Gr. 65	70.28	2	140.6	
2	80-D-3802 B	1,800	15	450	Annular Type	45	SA-516 Gr. 70	21.07	2	42.1	
3	80-D-4802 B	1,900	20	950	Shell Type	30	SA-516 Gr. 65	74.19	2	148.4	
4	80-D-4802 B	1,900	20	950	Annular Type	30	SA-516 Gr. 65	46.37	2	92.7	
5	80-D-4803	1,900	20	950	Shell Type	26	SA-516 Gr. 65	64.3	2	128.6	
6	80-D-4803	1,900	20	950	Annular Type	26	SA-516 Gr. 65	40.19	2	80.4	
7	88-D-9004	2,200	20	600	Shell Type	30	SA-516 Gr. 65	54.25	2	108.5	
8	88-D-9004	2,200	20	600	Annular Type	30	SA-516 Gr. 65	30.83	2	61.7	
9	80-D-4803	2,300	25	950	Shell Type	26	SA-516 Gr. 65	97.29	2	194.6	
10	80-D-4803	2,300	25	950	Annular Type	26	SA-516 Gr. 65	58.69	2	117.4	

Fig. 11-1 – (Entering Stiffener from Plate Data Menu)

• Annular Type

If the stiffener plate is in contact with the equipment through thickness, you have to define it as Annular Type. In that case, the defined plate will be defined in the software as a ring, and when preparing cutting plan, the plate will be considered as a ring with its internal diameter equal to the equipment's external diameter, and its external diameter equal to the internal diameter + two times the width of the ring (which you have entered in Ring Width field).

- **Shell Type**

If the reinforcing plate is in contact with the equipment through width, you have to define it as Shell Type. In that case, the defined plate will be defined in the software as a piece of Shell Type, and when preparing cutting plan, the plate will be considered as a piece of Shell with a width equal to the ring’s width (which you have entered in the Ring Width field); its internal diameter equal to the equipment’s external diameter, and its external diameter equal to the internal diameter + two times the thickness of the ring (which you have entered in the Ring Th’k field). The importance of this issue lies in the fact that when constructing the Shell Type piece, the placement of the Shell’s diameter on the plates longitudinal is of utmost significance.

- ✓ **Entering Stiffeners Data (Profile Type)**



If your equipment includes Stiffener from profile, you have to enter its data on this page.

STIFFENERS [From Standard Profile]

Item No. 80-D-3803 Show all Items PVM anage

Neutral Axis Dia. (mm) 2600 Quantity 3

Category I Contact Angle (Deg) 360

Member Type I-160 Material SA-36 Check Vacancy

No.	Item No.	Neutral Axis Dia. (mm)	Category	Member Type	Contact Angle (Deg)	Material	L/One (mm)	QTY	Total L (mm)	W/One (Kg)	Total (Kg)
								Sum: 26	Sum: 178,019		Sum: 2
1	80-D-3802 B	1,600	HEA	HEA-140	60	SA-36	837.73	2	1,675.5	20.69	41.4
2	88-D-9100	2,520	L	L-180*18	250	SA-36	5,497.63	2	10,995.3	267.18	534.4
3	80-D-3803	2,600	I	I-120	360	SA-36	8,167.9	3	24,503.7	90.66	272.2
4	80-D-3803	2,600	I	I-80	360	SA-36	8,167.9	3	24,503.7	48.52	145.4
5	88-D-9100	2,520	U	U-30*15	250	SA-36	5,497.63	2	10,995.3	9.57	19.1
6	80-D-3803	2,600	I	I-160	360	SA-36	8,167.9	2	24,503.7	146.21	438.8
7	80-D-3802 B	1,600	HEM	HEM-200	60	SA-36	837.73	2	1,675.5	86.29	172.4
8	80-D-3803	3,200	I	I-140	360	SA-36	10,052.8	3	30,158.4	143.76	431.1
9	80-D-3803	2,600	IPE	IPE-140	360	SA-36	8,167.9	3	24,503.7	105.37	316.1
10	80-D-3803	2,600	U	U-120	360	SA-36	8,167.9	3	24,503.7	109.45	328.1

Filtering Tools
 Digit Grouping

Copy Nearest Copy Last New Part Save Data Clear Form

Fig. 11-2 – (Entering Stiffener from Profile Data Menu)