



Certificate No. 02-002654/024638

TYPE APPROVAL CERTIFICATE

This is to certify that this product, on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

MARINE CRANES type F26 ÷ F295; F100 AT ÷ F190 AT

MANUFACTURER:

FASSI GRU S.p.A.

Via Roma 110
24021 Albino (BG)

ITALIA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS: Rules for the classification of ships, Part 19. – Cargo handling gear and lifting appliances.

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: **2023-05-27**

Place and date: Split, 2019-04-08

Seal

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Slewing telescopic cranes with variable outreach

APPLICATION / LIMITATIONS:

Crane type	Maximum lifting capacity, kg/m		Maximum lifting moment, kNm
	at minimum outreach	at maximum outreach	
F26	995/1,85	195/8,05	23
F30	995/1,85	250/7,55	26
F32	995/1,85	220/8,05	27
F40	1960/1,85	200/10,80	40
F50	2270/2,00	210/10,80	46
F55	2425/2,00	235/10,80	49
F65	3000/2,00	345/11,95	65
F70	3200/2,00	375/11,85	67
F85	4750/1,50	290/15,95	80
F90	5220/1,50	330/15,95	88
F95	4420/2,00	390/14,10	89
F100	5400/1,50	350/15,95	92
F105	4750/2,05	440/14,10	99
F110	5400/1,50	250/16,15	109
F115	5400/2,05	250/16,15	114
F120	5400/1,55	450/15,95	108
F125	5400/1,80	460/15,95	110
F130	5400/2,25	280/16,10	125
F135	5730/2,15	220/21,30	128
F155	6310/2,15	265/21,30	142
F165	6200/2,15	320/21,30	155
F175	8000/2,00	350/21,45	166
F195	8665/2,00	380/21,45	183
F215	9370/2,00	450/21,45	197
F235	9500/2,00	450/21,45	208
F245	8900/2,50	620/21,35	231
F275	9500/2,50	550/20,70	249
F295	9000/2,70	530/22,90	278
F100 AT	4430/2,15	1135/8,00	96
F120 AT	4750/2,15	1260/8,00	105
F130 AT	5365/2,30	1055/10,05	121
F150 AT	5400/2,30	1170/10,05	130
F170 AT	6050/2,30	1310/10,05	146
F190 AT	6280/2,30	1425/10,05	156

TYPE APPROVAL DOCUMENTATION:

Documentation approved with CRS letters	2623/TS/IA/023529	dated	2013-12-05
	1061/TS/IA/023773	dated	2015-05-27
Report of performed type testing	12-129564/023529	dated	2013-12-30 PU RI

MARKING OF PRODUCT:

- manufacturer's mark
- location and year of final fitting
- CRS mark

CONDITIONS FOR CERTIFICATION:

Main crane elements transmitting forces/torques shall be with 3.2 certificate.
Testing programme for each particular mounted crane shall be approved by CRS head office.