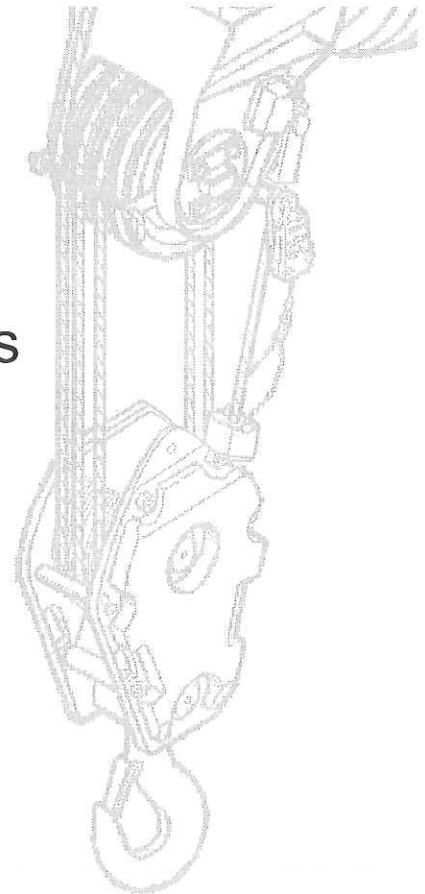


FAUN

Traglasttabellen
Stützkrafttabellen

Load Rating Charts
Outrigger Reaction Force Charts

Capacites des levages
Tableaus des forces d'appui



Typ :
Type :
Type :

ATF 160G-5

Bau-Nr. :
Serial-No. :
No. de fabr. :

2029217



1/1

Index :

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ATF 160G-5

| No. | [Diagram] | [Diagram] [%] | | | | |
|-----|-----------|---------------|-----|-----|-----|-----|
| | | I | II | III | IV | V |
| 1 | 13,2 m | 0 | 0 | 0 | 0 | 0 |
| 2 | 17,6 m | 0 | 0 | 0 | 0 | 46 |
| 3 | 21,9 m | 0 | 0 | 0 | 0 | 93 |
| 4 | 26,3 m | 0 | 0 | 0 | 46 | 93 |
| 5 | 30,6 m | 0 | 0 | 0 | 93 | 93 |
| 6 | 35,0 m | 0 | 0 | 46 | 93 | 93 |
| 7 | 39,3 m | 0 | 0 | 93 | 93 | 93 |
| 8 | 43,7 m | 0 | 46 | 93 | 93 | 93 |
| 9 | 48,0 m | 0 | 93 | 93 | 93 | 93 |
| 10 | 52,4 m | 46 | 93 | 93 | 93 | 93 |
| 11 | 56,7 m | 93 | 93 | 93 | 93 | 93 |
| 12 | 21,9 m | 0 | 0 | 0 | 46 | 46 |
| 13 | 26,3 m | 0 | 0 | 46 | 46 | 46 |
| 14 | 30,6 m | 0 | 46 | 46 | 46 | 46 |
| 15 | 35,0 m | 46 | 46 | 46 | 46 | 46 |
| 16 | 39,3 m | 93 | 46 | 46 | 46 | 46 |
| 17 | 39,3 m | 46 | 46 | 46 | 46 | 93 |
| 18 | 43,7 m | 46 | 46 | 46 | 93 | 93 |
| 19 | 43,7 m | 93 | 93 | 46 | 46 | 46 |
| 20 | 48,0 m | 93 | 93 | 93 | 46 | 46 |
| 21 | 48,0 m | 46 | 93 | 93 | 93 | 46 |
| 22 | 52,4 m | 93 | 93 | 93 | 93 | 46 |
| 23 | 60,0 m | 100 | 100 | 100 | 100 | 100 |
| 24 | 17,6 m | 0 | 46 | 0 | 0 | 0 |
| 25 | 21,9 m | 46 | 46 | 0 | 0 | 0 |
| 26 | 21,9 m | 0 | 46 | 46 | 0 | 0 |
| 27 | 26,3 m | 46 | 46 | 46 | 0 | 0 |
| 28 | 30,6 m | 93 | 46 | 46 | 0 | 0 |
| 29 | 35,0 m | 93 | 46 | 46 | 46 | 0 |

| No. | [Diagram] | [Diagram] [%] | | | | |
|-----|-----------|---------------|-----|-----|-----|-----|
| | | I | II | III | IV | V |
| 1 | 13,2 m | 0 | 0 | 0 | 0 | 0 |
| 2 | 17,6 m | 0 | 0 | 0 | 0 | 46 |
| 24 | 17,6 m | 0 | 46 | 0 | 0 | 0 |
| 3 | 21,9 m | 0 | 0 | 0 | 0 | 93 |
| 12 | 21,9 m | 0 | 0 | 0 | 46 | 46 |
| 25 | 21,9 m | 46 | 46 | 0 | 0 | 0 |
| 26 | 21,9 m | 0 | 46 | 46 | 0 | 0 |
| 4 | 26,3 m | 0 | 0 | 0 | 46 | 93 |
| 13 | 26,3 m | 0 | 0 | 46 | 46 | 46 |
| 27 | 26,3 m | 46 | 46 | 46 | 0 | 0 |
| 5 | 30,6 m | 0 | 0 | 0 | 93 | 93 |
| 14 | 30,6 m | 0 | 46 | 46 | 46 | 46 |
| 28 | 30,6 m | 93 | 46 | 46 | 0 | 0 |
| 6 | 35,0 m | 0 | 0 | 46 | 93 | 93 |
| 15 | 35,0 m | 46 | 46 | 46 | 46 | 46 |
| 29 | 35,0 m | 93 | 46 | 46 | 46 | 0 |
| 7 | 39,3 m | 0 | 0 | 93 | 93 | 93 |
| 16 | 39,3 m | 93 | 46 | 46 | 46 | 46 |
| 17 | 39,3 m | 46 | 46 | 46 | 46 | 93 |
| 8 | 43,7 m | 0 | 46 | 93 | 93 | 93 |
| 18 | 43,7 m | 46 | 46 | 46 | 93 | 93 |
| 19 | 43,7 m | 93 | 93 | 46 | 46 | 46 |
| 9 | 48,0 m | 0 | 93 | 93 | 93 | 93 |
| 20 | 48,0 m | 93 | 93 | 93 | 46 | 46 |
| 21 | 48,0 m | 46 | 93 | 93 | 93 | 46 |
| 10 | 52,4 m | 46 | 93 | 93 | 93 | 93 |
| 22 | 52,4 m | 93 | 93 | 93 | 93 | 46 |
| 11 | 56,7 m | 93 | 93 | 93 | 93 | 93 |
| 23 | 60,0 m | 100 | 100 | 100 | 100 | 100 |

| | | 0 % | 46 % | 93 % | 100 % |
|--|-----|--------|--------|--------|---------|
| | V | 1,20 m | 5,55 m | 9,90 m | 10,56 m |
| | IV | 0,90 m | 5,25 m | 9,60 m | 10,26 m |
| | III | 0,60 m | 4,95 m | 9,30 m | 9,96 m |
| | II | 0,30 m | 4,65 m | 9,00 m | 9,66 m |
| | I | 0,00 m | 4,35 m | 8,70 m | 9,36 m |



Load rating chart ATF 160G-5

| Working radius (m) | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 51,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | Working radius (m) | | |
|--------------------|---|--------|--------|----|------|----|--------|----|------|----|------|----|--------|----|-------|------|------|------|--------------------|------|------|
| | Boom length (m) | | | | | | | | | | | | | | | | | | | | |
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | ∠ | 1) | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | |
| 3,0 | 70 | 160,0* | 140,7* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 | |
| 3,5 | 68 | 149,8* | 129,6* | 74 | 50,8 | 74 | 120,0* | 77 | 36,8 | 77 | 54,6 | 77 | 115,6* | 77 | 101,2 | 80 | 38,5 | 80 | 52,9 | 3,5 | |
| 4,0 | 65 | 138,7* | 120,0* | 72 | 48,4 | 72 | 120,0* | 76 | 34,8 | 76 | 52,3 | 76 | 115,6* | 76 | 101,2 | 79 | 36,7 | 79 | 52,9 | 4,0 | |
| 4,5 | 63 | 129,1* | 111,6* | 70 | 46,2 | 70 | 111,8* | 75 | 33,0 | 75 | 50,3 | 75 | 111,5* | 75 | 100,3 | 78 | 35,0 | 78 | 52,9 | 4,5 | |
| 5,0 | 60 | 120,5* | 101,1 | 69 | 44,2 | 69 | 101,3 | 73 | 31,3 | 73 | 48,3 | 73 | 101,0 | 73 | 95,3 | 77 | 33,3 | 77 | 51,1 | 5,0 | |
| 6,0 | 55 | 99,7 | 88,8 | 65 | 40,7 | 65 | 89,0 | 71 | 28,4 | 71 | 44,9 | 71 | 88,6 | 71 | 86,4 | 74 | 30,3 | 74 | 47,8 | 6,0 | |
| 7,0 | 49 | 83,9 | 78,4 | 61 | 37,7 | 61 | 78,6 | 68 | 26,0 | 68 | 41,7 | 68 | 78,3 | 68 | 79,0 | 72 | 27,7 | 72 | 44,8 | 7,0 | |
| 8,0 | 42 | 72,1 | 70,0 | 57 | 35,2 | 57 | 70,2 | 65 | 24,0 | 65 | 38,4 | 65 | 69,9 | 65 | 72,0 | 70 | 25,5 | 70 | 42,2 | 8,0 | |
| 9,0 | 34 | 62,9 | 62,9 | 53 | 33,0 | 53 | 63,1 | 62 | 22,2 | 62 | 35,6 | 62 | 62,6 | 62 | 63,6 | 67 | 23,6 | 67 | 39,4 | 9,0 | |
| 10,0 | 23 | 50,6 | 50,6 | 48 | 31,1 | 48 | 55,7 | 59 | 20,7 | 59 | 33,2 | 59 | 55,7 | 59 | 56,8 | 65 | 21,9 | 65 | 36,9 | 10,0 | |
| 11,0 | | | | 43 | 29,5 | 43 | 50,6 | 55 | 19,4 | 55 | 31,2 | 55 | 50,1 | 55 | 51,2 | 62 | 20,5 | 62 | 34,7 | 11,0 | |
| 12,0 | | | | 38 | 28,0 | 38 | 46,0 | 52 | 18,2 | 52 | 29,2 | 52 | 45,5 | 52 | 46,5 | 60 | 19,2 | 60 | 32,6 | 12,0 | |
| 14,0 | | | | 24 | 26,0 | 24 | 38,6 | 44 | 16,3 | 44 | 26,1 | 44 | 38,1 | 44 | 39,1 | 54 | 17,1 | 54 | 29,0 | 14,0 | |
| 16,0 | | | | | | | | 36 | 14,8 | 36 | 23,6 | 36 | 30,7 | 36 | 32,2 | 48 | 15,4 | 48 | 26,1 | 16,0 | |
| 18,0 | | | | | | | | 24 | 13,6 | 24 | 21,7 | 24 | 25,2 | 24 | 26,6 | 42 | 14,0 | 42 | 23,8 | 18,0 | |
| 20,0 | | | | | | | | | | | | | | | 34 | 12,9 | 34 | 21,8 | 20,0 | 20,0 | |
| 22,0 | | | | | | | | | | | | | | | 24 | 12,0 | 24 | 20,3 | 22,0 | 22,0 | |
| 24,0 | | | | | | | | | | | | | | | | | | | | 24,0 | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 2 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 3 | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 46 | 0 | 0 | 46 | 46 | 46 | 0 | 46 | 46 | 46 | 4 | |
| 5 | 0 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 0 | 0 | 93 | 46 | 46 | 0 | 93 | 46 | 46 | 46 | 5 | |

1) Over rear with superstructure locking pin engaged.

* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789289

Counterweight 51,0 t

On outriggers, 360° working area


Outriggers fully extended, outrigger base 8,30 m

Boom length (m)

| Working radius (m) | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | Working radius (m) | | |
|--------------------|-------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|------|-----|--------------------|-----|------|
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | |
| 3,0 | 160,0 | 918 | 140,7 | 905 | 53,3 | 487 | 120,0 | 787 | 39,0 | 489 | 54,6 | 492 | 115,6 | 764 | 101,2 | 676 | 40,5 | 492 | 52,9 | 492 | 3,0 |
| 3,5 | 149,8 | 914 | 129,6 | 905 | 50,8 | 460 | 120,0 | 846 | 36,8 | 468 | 54,6 | 464 | 115,6 | 822 | 101,2 | 726 | 38,5 | 471 | 52,9 | 465 | 3,5 |
| 4,0 | 138,7 | 900 | 120,0 | 905 | 48,4 | 435 | 120,0 | 905 | 34,8 | 449 | 52,3 | 440 | 115,6 | 879 | 101,2 | 777 | 36,7 | 452 | 52,9 | 443 | 4,0 |
| 4,5 | 129,1 | 888 | 111,6 | 904 | 46,2 | 430 | 111,8 | 906 | 33,0 | 432 | 50,3 | 453 | 111,5 | 907 | 100,3 | 820 | 35,0 | 435 | 52,9 | 471 | 4,5 |
| 5,0 | 120,5 | 877 | 101,1 | 880 | 44,2 | 439 | 101,3 | 882 | 31,3 | 417 | 48,3 | 464 | 101,0 | 883 | 95,3 | 832 | 33,3 | 419 | 51,1 | 484 | 5,0 |
| 6,0 | 99,7 | 817 | 88,8 | 876 | 40,7 | 457 | 89,0 | 878 | 28,4 | 389 | 44,9 | 486 | 88,6 | 879 | 86,4 | 851 | 30,3 | 390 | 47,8 | 509 | 6,0 |
| 7,0 | 83,9 | 769 | 78,4 | 868 | 37,7 | 473 | 78,6 | 871 | 26,0 | 365 | 41,7 | 503 | 78,3 | 872 | 79,0 | 869 | 27,7 | 366 | 44,8 | 531 | 7,0 |
| 8,0 | 72,1 | 733 | 70,0 | 861 | 35,2 | 488 | 70,2 | 864 | 24,0 | 364 | 38,4 | 513 | 69,9 | 866 | 72,0 | 877 | 25,5 | 373 | 42,2 | 551 | 8,0 |
| 9,0 | 62,9 | 704 | 62,9 | 854 | 33,0 | 503 | 63,1 | 857 | 22,2 | 372 | 35,6 | 523 | 62,6 | 857 | 63,6 | 856 | 23,6 | 380 | 39,4 | 564 | 9,0 |
| 10,0 | 50,6 | 639 | 50,6 | 771 | 31,1 | 517 | 55,7 | 834 | 20,7 | 381 | 33,2 | 533 | 55,7 | 839 | 56,8 | 839 | 21,9 | 387 | 36,9 | 576 | 10,0 |
| 11,0 | | | | | 29,5 | 531 | 50,6 | 826 | 19,4 | 389 | 31,2 | 544 | 50,1 | 826 | 51,2 | 826 | 20,5 | 394 | 34,7 | 587 | 11,0 |
| 12,0 | | | | | 28,0 | 545 | 46,0 | 817 | 18,2 | 396 | 29,2 | 551 | 45,5 | 816 | 46,5 | 815 | 19,2 | 400 | 32,6 | 596 | 12,0 |
| 14,0 | | | | | 26,0 | 578 | 38,6 | 801 | 16,3 | 412 | 26,1 | 568 | 38,1 | 801 | 39,1 | 799 | 17,1 | 413 | 29,0 | 611 | 14,0 |
| 16,0 | | | | | | | | | 14,8 | 428 | 23,6 | 584 | 30,7 | 758 | 32,2 | 765 | 15,4 | 426 | 26,1 | 625 | 16,0 |
| 18,0 | | | | | | | | | 13,6 | 444 | 21,7 | 603 | 25,2 | 725 | 26,6 | 731 | 14,0 | 438 | 23,8 | 640 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | | 12,9 | 451 | 21,8 | 653 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | | 12,0 | 465 | 20,3 | 671 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | | 56,0 |

| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | Tel. | |
|------|------------------------|--|--|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|--|------|---|
| 1 | 0 | | | | 0 | | | | 0 | | | | 46 | | | | 0 | | | 0 | 1 |
| 2 | 0 | | | | 0 | | 46 | | 0 | | | | 46 | | 46 | | 0 | | | 0 | 2 |
| 3 | 0 | | | | 0 | | 0 | | 0 | | | | 0 | | 46 | | 0 | | | 46 | 3 |
| 4 | 0 | | | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | | 46 | 4 |
| 5 | 0 | | | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 93 | | | 46 | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition,
 dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|------|------|------|------|------|------|------|------|------|--------------------|------|----|------|-----|------|----|------|----|------|------|
| Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 51,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | Working radius (m) | | | | | | | | | | |
| | 26,3 | 30,6 | 30,6 | 30,6 | 35,0 | 35,0 | 35,0 | 39,3 | 39,3 | 39,3 | | | | | | | | | | | |
| 3,0 | 81 | 89,1 | | | | | | | | | | 3,0 | | | | | | | | | |
| 3,5 | 80 | 89,1 | 82 | 33,7 | 82 | 49,8 | 82 | 74,2 | | | | 3,5 | | | | | | | | | |
| 4,0 | 79 | 89,1 | 81 | 31,8 | 81 | 49,8 | 81 | 73,1 | | | | 4,0 | | | | | | | | | |
| 4,5 | 78 | 89,1 | 80 | 30,1 | 80 | 49,8 | 80 | 68,9 | 82 | 30,5 | 82 | 45,1 | 82 | 55,1 | 4,5 | | | | | | |
| 5,0 | 77 | 89,1 | 79 | 28,5 | 79 | 49,8 | 79 | 65,1 | 81 | 29,1 | 81 | 45,1 | 81 | 55,1 | 5,0 | | | | | | |
| 6,0 | 74 | 89,1 | 77 | 25,9 | 77 | 49,8 | 77 | 58,6 | 79 | 26,6 | 79 | 45,1 | 79 | 53,5 | 81 | 26,1 | 81 | 41,4 | 81 | 32,2 | 6,0 |
| 7,0 | 72 | 79,1 | 75 | 23,6 | 75 | 47,0 | 75 | 53,2 | 77 | 24,5 | 77 | 45,1 | 77 | 48,7 | 79 | 24,5 | 79 | 41,4 | 79 | 32,1 | 7,0 |
| 8,0 | 70 | 71,4 | 73 | 21,7 | 73 | 44,4 | 73 | 48,6 | 76 | 22,7 | 76 | 45,1 | 76 | 44,7 | 78 | 22,7 | 78 | 41,4 | 78 | 30,1 | 8,0 |
| 9,0 | 67 | 63,0 | 71 | 20,1 | 71 | 42,2 | 71 | 44,7 | 74 | 21,1 | 74 | 43,6 | 74 | 41,2 | 76 | 21,0 | 76 | 38,4 | 76 | 28,3 | 9,0 |
| 10,0 | 65 | 56,2 | 69 | 18,6 | 69 | 39,8 | 69 | 41,4 | 72 | 19,7 | 72 | 41,6 | 72 | 38,1 | 75 | 19,6 | 75 | 35,7 | 75 | 26,7 | 10,0 |
| 11,0 | 62 | 50,6 | 67 | 17,4 | 67 | 37,7 | 67 | 38,6 | 70 | 18,5 | 70 | 39,6 | 70 | 35,6 | 73 | 18,4 | 73 | 33,4 | 73 | 25,3 | 11,0 |
| 12,0 | 60 | 46,0 | 65 | 16,3 | 65 | 35,6 | 65 | 35,8 | 69 | 17,4 | 69 | 37,6 | 69 | 33,1 | 72 | 17,2 | 72 | 31,2 | 72 | 24,0 | 12,0 |
| 14,0 | 54 | 38,6 | 61 | 14,4 | 61 | 32,1 | 61 | 31,5 | 65 | 15,6 | 65 | 34,2 | 65 | 29,2 | 68 | 15,2 | 68 | 27,6 | 68 | 21,7 | 14,0 |
| 16,0 | 48 | 31,5 | 56 | 12,9 | 56 | 29,1 | 56 | 28,0 | 61 | 14,1 | 61 | 31,3 | 61 | 26,0 | 65 | 13,6 | 65 | 24,6 | 65 | 19,9 | 16,0 |
| 18,0 | 42 | 26,0 | 51 | 11,7 | 51 | 26,6 | 51 | 25,1 | 57 | 12,8 | 57 | 27,9 | 57 | 23,4 | 62 | 12,3 | 62 | 22,2 | 62 | 18,3 | 18,0 |
| 20,0 | 34 | 21,8 | 46 | 10,7 | 46 | 24,3 | 46 | 21,1 | 53 | 11,8 | 53 | 23,6 | 53 | 21,1 | 58 | 11,2 | 58 | 20,1 | 58 | 17,0 | 20,0 |
| 22,0 | 24 | 18,5 | 40 | 9,8 | 40 | 21,0 | 40 | 17,9 | 49 | 10,9 | 49 | 20,3 | 49 | 18,7 | 55 | 10,3 | 55 | 18,4 | 55 | 15,9 | 22,0 |
| 24,0 | | | 33 | 9,1 | 33 | 18,3 | 33 | 15,2 | 44 | 10,1 | 44 | 17,6 | 44 | 16,1 | 51 | 9,4 | 51 | 16,9 | 51 | 14,9 | 24,0 |
| 26,0 | | | 24 | 8,5 | 24 | 16,1 | 24 | 13,1 | 39 | 9,4 | 39 | 15,4 | 39 | 13,9 | 47 | 8,7 | 47 | 14,8 | 47 | 14,0 | 26,0 |
| 28,0 | | | | | | | | | 32 | 8,9 | 32 | 13,6 | 32 | 12,1 | 42 | 8,1 | 42 | 12,9 | 42 | 13,2 | 28,0 |
| 30,0 | | | | | | | | | 25 | 8,4 | 25 | 12,0 | 25 | 10,6 | 37 | 7,6 | 37 | 11,4 | 37 | 12,6 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 32 | 7,1 | 32 | 10,1 | 32 | 11,4 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 25 | 6,7 | 25 | 8,9 | 25 | 10,2 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 15 | 6,3 | 15 | 7,9 | 15 | 9,2 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | Tel. | | | | | | | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
load rating chart 99707789289

Counterweight 51,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|-----|------|------|
| | 26,3 | | 30,6 | | 30,6 | | 30,6 | | 35,0 | | 35,0 | | 35,0 | | 39,3 | | 39,3 | | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | | |
| 3,0 | 89,1 | 609 | | | | | | | | | | | | | | | | | 3,0 | | | |
| 3,5 | 89,1 | 654 | 33,7 | 474 | 49,8 | 464 | 74,2 | 565 | | | | | | | | | | | 3,5 | | | |
| 4,0 | 89,1 | 699 | 31,8 | 457 | 49,8 | 438 | 73,1 | 596 | | | | | | | | | | | 4,0 | | | |
| 4,5 | 89,1 | 744 | 30,1 | 441 | 49,8 | 450 | 68,9 | 604 | 30,5 | 442 | 45,1 | 421 | 55,1 | 501 | | | | | 4,5 | | | |
| 5,0 | 89,1 | 789 | 28,5 | 427 | 49,8 | 476 | 65,1 | 611 | 29,1 | 427 | 45,1 | 445 | 55,1 | 530 | | | | | 5,0 | | | |
| 6,0 | 89,1 | 878 | 25,9 | 402 | 49,8 | 528 | 58,6 | 624 | 26,6 | 402 | 45,1 | 493 | 53,5 | 575 | 26,1 | 402 | 41,4 | 466 | 32,2 | 379 | 6,0 | |
| 7,0 | 79,1 | 874 | 23,6 | 381 | 47,0 | 554 | 53,2 | 636 | 24,5 | 379 | 45,1 | 541 | 48,7 | 587 | 24,5 | 378 | 41,4 | 512 | 32,1 | 414 | 7,0 | |
| 8,0 | 71,4 | 875 | 21,7 | 362 | 44,4 | 576 | 48,6 | 646 | 22,7 | 359 | 45,1 | 589 | 44,7 | 599 | 22,7 | 358 | 41,4 | 557 | 30,1 | 429 | 8,0 | |
| 9,0 | 63,0 | 855 | 20,1 | 345 | 42,2 | 598 | 44,7 | 655 | 21,1 | 349 | 43,6 | 620 | 41,2 | 608 | 21,0 | 350 | 38,4 | 569 | 28,3 | 442 | 9,0 | |
| 10,0 | 56,2 | 838 | 18,6 | 345 | 39,8 | 614 | 41,4 | 665 | 19,7 | 356 | 41,6 | 643 | 38,1 | 617 | 19,6 | 357 | 35,7 | 579 | 26,7 | 455 | 10,0 | |
| 11,0 | 50,6 | 825 | 17,4 | 352 | 37,7 | 630 | 38,6 | 675 | 18,5 | 364 | 39,6 | 662 | 35,6 | 627 | 18,4 | 365 | 33,4 | 589 | 25,3 | 468 | 11,0 | |
| 12,0 | 46,0 | 815 | 16,3 | 358 | 35,6 | 641 | 35,8 | 680 | 17,4 | 371 | 37,6 | 677 | 33,1 | 633 | 17,2 | 370 | 31,2 | 596 | 24,0 | 479 | 12,0 | |
| 14,0 | 38,6 | 799 | 14,4 | 368 | 32,1 | 664 | 31,5 | 696 | 15,6 | 385 | 34,2 | 706 | 29,2 | 648 | 15,2 | 381 | 27,6 | 611 | 21,7 | 500 | 14,0 | |
| 16,0 | 31,5 | 761 | 12,9 | 379 | 29,1 | 682 | 28,0 | 709 | 14,1 | 398 | 31,3 | 731 | 26,0 | 662 | 13,6 | 392 | 24,6 | 624 | 19,9 | 520 | 16,0 | |
| 18,0 | 26,0 | 729 | 11,7 | 390 | 26,6 | 700 | 25,1 | 722 | 12,8 | 409 | 27,9 | 736 | 23,4 | 675 | 12,3 | 402 | 22,2 | 640 | 18,3 | 538 | 18,0 | |
| 20,0 | 21,8 | 704 | 10,7 | 401 | 24,3 | 712 | 21,1 | 701 | 11,8 | 421 | 23,6 | 710 | 21,1 | 685 | 11,2 | 412 | 20,1 | 648 | 17,0 | 556 | 20,0 | |
| 22,0 | 18,5 | 684 | 9,8 | 411 | 21,0 | 693 | 17,9 | 683 | 10,9 | 433 | 20,3 | 690 | 18,7 | 685 | 10,3 | 423 | 18,4 | 661 | 15,9 | 575 | 22,0 | |
| 24,0 | | | 9,1 | 422 | 18,3 | 677 | 15,2 | 666 | 10,1 | 443 | 17,6 | 674 | 16,1 | 671 | 9,4 | 430 | 16,9 | 672 | 14,9 | 592 | 24,0 | |
| 26,0 | | | 8,5 | 434 | 16,1 | 665 | 13,1 | 656 | 9,4 | 453 | 15,4 | 661 | 13,9 | 658 | 8,7 | 439 | 14,8 | 661 | 14,0 | 608 | 26,0 | |
| 28,0 | | | | | | | | | 8,9 | 467 | 13,6 | 652 | 12,1 | 648 | 8,1 | 449 | 12,9 | 649 | 13,2 | 623 | 28,0 | |
| 30,0 | | | | | | | | | 8,4 | 479 | 12,0 | 642 | 10,6 | 641 | 7,6 | 459 | 11,4 | 642 | 12,6 | 642 | 30,0 | |
| 32,0 | | | | | | | | | | | | | | | 7,1 | 468 | 10,1 | 636 | 11,4 | 639 | 32,0 | |
| 34,0 | | | | | | | | | | | | | | | 6,7 | 478 | 8,9 | 629 | 10,2 | 632 | 34,0 | |
| 36,0 | | | | | | | | | | | | | | | 6,3 | 487 | 7,9 | 624 | 9,2 | 627 | 36,0 | |
| 38,0 | | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 46 | 93 | 0 | 93 | 0 | 93 | 46 | 93 | 46 | 93 | 46 | 1 | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 46 | 2 | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 46 | 46 | 46 | 46 | 3 | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 46 | 46 | 46 | 46 | 4 | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 93 | 46 | 93 | 5 | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|------------------------|---|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|--------------------|--|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom | | | | | | | | | | | | | | | | | | | | | |
| | | Counterweight 51,0 t | | | | | | | | | | | | | | | | | | | | | |
| | | On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | | | |
| | | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | 60,0 | | | |
| | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 82 | 22,4 | 82 | 24,5 | 82 | 33,4 | | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 81 | 22,4 | 81 | 24,5 | 81 | 33,4 | 82 | 19,5 | 82 | 26,9 | 82 | 22,3 | | | | | | | | | | | 7,0 |
| 8,0 | 79 | 22,4 | 79 | 24,3 | 79 | 33,4 | 81 | 19,5 | 81 | 26,9 | 81 | 22,3 | 82 | 17,6 | 82 | 21,6 | | | | | | | 8,0 |
| 9,0 | 78 | 21,6 | 78 | 22,9 | 78 | 33,4 | 80 | 19,5 | 80 | 26,9 | 80 | 22,3 | 81 | 17,6 | 81 | 21,6 | 82 | 17,0 | | | | | 9,0 |
| 10,0 | 77 | 20,2 | 77 | 21,6 | 77 | 32,3 | 79 | 19,5 | 79 | 26,9 | 79 | 22,3 | 80 | 17,6 | 80 | 21,6 | 81 | 17,0 | 82 | 14,0 | | | 10,0 |
| 11,0 | 75 | 19,0 | 75 | 20,4 | 75 | 30,3 | 77 | 18,8 | 77 | 26,0 | 77 | 21,6 | 79 | 17,6 | 79 | 21,2 | 80 | 17,0 | 81 | 14,0 | | | 11,0 |
| 12,0 | 74 | 17,9 | 74 | 19,3 | 74 | 28,3 | 76 | 18,1 | 76 | 25,1 | 76 | 21,0 | 78 | 17,6 | 78 | 20,9 | 79 | 17,0 | 80 | 14,0 | | | 12,0 |
| 14,0 | 71 | 16,1 | 71 | 17,5 | 71 | 25,2 | 74 | 16,4 | 74 | 22,9 | 74 | 19,1 | 75 | 16,6 | 75 | 19,2 | 77 | 16,4 | 78 | 14,0 | | | 14,0 |
| 16,0 | 68 | 14,5 | 68 | 16,0 | 68 | 22,5 | 71 | 14,9 | 71 | 21,0 | 71 | 17,4 | 73 | 15,2 | 73 | 17,6 | 75 | 15,1 | 76 | 14,0 | | | 16,0 |
| 18,0 | 65 | 13,2 | 65 | 14,7 | 65 | 20,3 | 68 | 13,7 | 68 | 19,0 | 68 | 16,0 | 71 | 14,0 | 71 | 16,3 | 73 | 14,0 | 74 | 13,0 | | | 18,0 |
| 20,0 | 62 | 12,1 | 62 | 13,6 | 62 | 18,4 | 66 | 12,6 | 66 | 17,3 | 66 | 14,8 | 68 | 13,0 | 68 | 15,1 | 70 | 13,0 | 72 | 12,2 | | | 20,0 |
| 22,0 | 59 | 11,1 | 59 | 12,6 | 59 | 16,8 | 63 | 11,7 | 63 | 15,8 | 63 | 13,8 | 66 | 12,1 | 66 | 14,1 | 68 | 12,2 | 70 | 11,4 | | | 22,0 |
| 24,0 | 56 | 10,3 | 56 | 11,8 | 56 | 15,4 | 60 | 10,8 | 60 | 14,5 | 60 | 12,9 | 63 | 11,3 | 63 | 13,2 | 66 | 11,4 | 68 | 10,7 | | | 24,0 |
| 26,0 | 53 | 9,6 | 53 | 11,1 | 53 | 14,2 | 57 | 10,1 | 57 | 13,3 | 57 | 12,0 | 61 | 10,6 | 61 | 12,4 | 64 | 10,8 | 66 | 9,9 | | | 26,0 |
| 28,0 | 49 | 8,9 | 49 | 10,4 | 49 | 12,9 | 54 | 9,5 | 54 | 12,3 | 54 | 11,3 | 58 | 9,9 | 58 | 11,7 | 61 | 10,1 | 64 | 9,0 | | | 28,0 |
| 30,0 | 45 | 8,4 | 45 | 9,9 | 45 | 11,4 | 51 | 8,9 | 51 | 11,4 | 51 | 10,7 | 55 | 9,4 | 55 | 11,0 | 59 | 9,6 | 61 | 8,3 | | | 30,0 |
| 32,0 | 41 | 7,9 | 41 | 9,4 | 41 | 10,0 | 48 | 8,4 | 48 | 10,2 | 48 | 10,1 | 52 | 8,8 | 52 | 10,2 | 56 | 9,1 | 59 | 7,6 | | | 32,0 |
| 34,0 | 37 | 7,4 | 37 | 8,9 | 37 | 8,9 | 44 | 7,9 | 44 | 9,1 | 44 | 9,6 | 50 | 8,4 | 50 | 9,5 | 54 | 8,6 | 57 | 7,0 | | | 34,0 |
| 36,0 | 31 | 7,0 | 31 | 8,5 | 31 | 7,9 | 40 | 7,5 | 40 | 8,1 | 40 | 9,0 | 46 | 8,0 | 46 | 8,5 | 51 | 8,2 | 54 | 6,5 | | | 36,0 |
| 38,0 | 25 | 6,7 | 25 | 8,2 | 25 | 7,0 | 36 | 7,2 | 36 | 7,2 | 36 | 8,1 | 43 | 7,6 | 43 | 7,6 | 48 | 7,9 | 52 | 6,0 | | | 38,0 |
| 40,0 | 16 | 6,4 | 16 | 7,8 | 16 | 6,2 | 31 | 6,8 | 31 | 6,4 | 31 | 7,3 | 39 | 7,3 | 39 | 6,8 | 45 | 7,2 | 49 | 5,4 | | | 40,0 |
| 42,0 | | | | | | | 26 | 6,4 | 26 | 5,7 | 26 | 6,5 | 36 | 6,9 | 36 | 6,1 | 42 | 6,5 | 46 | 5,0 | | | 42,0 |
| 44,0 | | | | | | | 18 | 6,0 | 18 | 5,1 | 18 | 5,9 | 31 | 6,3 | 31 | 5,4 | 39 | 5,9 | 43 | 4,6 | | | 44,0 |
| 46,0 | | | | | | | | | | | | | 26 | 5,7 | 26 | 4,8 | 35 | 5,3 | 40 | 4,2 | | | 46,0 |
| 48,0 | | | | | | | | | | | | | 19 | 5,2 | 19 | 4,3 | 31 | 4,7 | 37 | 3,9 | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | 26 | 4,2 | 33 | 3,5 | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | 20 | 3,8 | 29 | 3,2 | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | 24 | 2,9 | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | 17 | 2,6 | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 100 | 5 | | | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
 Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789289
Counterweight 51,0 t
 On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) | | | | |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|------|------|-----|------|
| | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | | 60,0 | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | m | F | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 22,4 | 410 | 24,5 | 400 | 33,4 | 399 | | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 22,4 | 384 | 24,5 | 371 | 33,4 | 437 | 19,5 | 391 | 26,9 | 374 | 22,3 | 374 | | | | | | | | | | | 7,0 |
| 8,0 | 22,4 | 358 | 24,3 | 366 | 33,4 | 475 | 19,5 | 367 | 26,9 | 406 | 22,3 | 350 | 17,6 | 372 | 21,6 | 348 | | | | | | | 8,0 |
| 9,0 | 21,6 | 358 | 22,9 | 378 | 33,4 | 513 | 19,5 | 343 | 26,9 | 438 | 22,3 | 377 | 17,6 | 349 | 21,6 | 375 | 17,0 | 348 | | | | | 9,0 |
| 10,0 | 20,2 | 366 | 21,6 | 390 | 32,3 | 538 | 19,5 | 362 | 26,9 | 470 | 22,3 | 404 | 17,6 | 342 | 21,6 | 402 | 17,0 | 341 | 14,0 | 344 | | | 10,0 |
| 11,0 | 19,0 | 374 | 20,4 | 400 | 30,3 | 549 | 18,8 | 376 | 26,0 | 490 | 21,6 | 422 | 17,6 | 365 | 21,2 | 423 | 17,0 | 636 | 14,0 | 325 | | | 11,0 |
| 12,0 | 17,9 | 382 | 19,3 | 409 | 28,3 | 556 | 18,1 | 389 | 25,1 | 509 | 21,0 | 440 | 17,6 | 387 | 20,9 | 445 | 17,0 | 385 | 14,0 | 343 | | | 12,0 |
| 14,0 | 16,1 | 397 | 17,5 | 428 | 25,2 | 574 | 16,4 | 407 | 22,9 | 535 | 19,1 | 462 | 16,6 | 416 | 19,2 | 471 | 16,4 | 420 | 14,0 | 382 | | | 14,0 |
| 16,0 | 14,5 | 410 | 16,0 | 446 | 22,5 | 587 | 14,9 | 423 | 21,0 | 558 | 17,4 | 480 | 15,2 | 434 | 17,6 | 492 | 15,1 | 440 | 14,0 | 420 | | | 16,0 |
| 18,0 | 13,2 | 422 | 14,7 | 462 | 20,3 | 601 | 13,7 | 438 | 19,0 | 572 | 16,0 | 498 | 14,0 | 450 | 16,3 | 513 | 14,0 | 460 | 13,0 | 440 | | | 18,0 |
| 20,0 | 12,1 | 434 | 13,6 | 478 | 18,4 | 613 | 12,6 | 452 | 17,3 | 585 | 14,8 | 514 | 13,0 | 467 | 15,1 | 531 | 13,0 | 477 | 12,2 | 460 | | | 20,0 |
| 22,0 | 11,1 | 444 | 12,6 | 491 | 16,8 | 624 | 11,7 | 466 | 15,8 | 597 | 13,8 | 531 | 12,1 | 482 | 14,1 | 550 | 12,2 | 496 | 11,4 | 477 | | | 22,0 |
| 24,0 | 10,3 | 455 | 11,8 | 507 | 15,4 | 635 | 10,8 | 476 | 14,5 | 608 | 12,9 | 547 | 11,3 | 497 | 13,2 | 567 | 11,4 | 511 | 10,7 | 493 | | | 24,0 |
| 26,0 | 9,6 | 467 | 11,1 | 522 | 14,2 | 646 | 10,1 | 489 | 13,3 | 617 | 12,0 | 560 | 10,6 | 511 | 12,4 | 584 | 10,8 | 530 | 9,9 | 505 | | | 26,0 |
| 28,0 | 8,9 | 475 | 10,4 | 534 | 12,9 | 650 | 9,5 | 502 | 12,3 | 628 | 11,3 | 575 | 9,9 | 523 | 11,7 | 601 | 10,1 | 543 | 9,0 | 510 | | | 28,0 |
| 30,0 | 8,4 | 488 | 9,9 | 550 | 11,4 | 643 | 8,9 | 513 | 11,4 | 637 | 10,7 | 591 | 9,4 | 538 | 11,0 | 615 | 9,6 | 559 | 8,3 | 519 | | | 30,0 |
| 32,0 | 7,9 | 498 | 9,4 | 564 | 10,0 | 634 | 8,4 | 525 | 10,2 | 634 | 10,1 | 604 | 8,8 | 549 | 10,2 | 623 | 9,1 | 574 | 7,6 | 525 | | | 32,0 |
| 34,0 | 7,4 | 506 | 8,9 | 578 | 8,9 | 630 | 7,9 | 535 | 9,1 | 630 | 9,6 | 619 | 8,4 | 563 | 9,5 | 632 | 8,6 | 587 | 7,0 | 531 | | | 34,0 |
| 36,0 | 7,0 | 517 | 8,5 | 591 | 7,9 | 626 | 7,5 | 547 | 8,1 | 626 | 9,0 | 628 | 8,0 | 577 | 8,5 | 628 | 8,2 | 601 | 6,5 | 539 | | | 36,0 |
| 38,0 | 6,7 | 529 | 8,2 | 607 | 7,0 | 621 | 7,2 | 561 | 7,2 | 621 | 8,1 | 624 | 7,6 | 589 | 7,6 | 624 | 7,9 | 618 | 6,0 | 546 | | | 38,0 |
| 40,0 | 6,4 | 541 | 7,8 | 618 | 6,2 | 618 | 6,8 | 570 | 6,4 | 618 | 7,3 | 620 | 7,3 | 603 | 6,8 | 620 | 7,2 | 618 | 5,4 | 546 | | | 40,0 |
| 42,0 | | | | | | | 6,4 | 578 | 5,7 | 615 | 6,5 | 613 | 6,9 | 612 | 6,1 | 617 | 6,5 | 616 | 5,0 | 553 | | | 42,0 |
| 44,0 | | | | | | | 6,0 | 584 | 5,1 | 614 | 5,9 | 613 | 6,3 | 611 | 5,4 | 612 | 5,9 | 615 | 4,6 | 558 | | | 44,0 |
| 46,0 | | | | | | | | | | | | | 5,7 | 608 | 4,8 | 609 | 5,3 | 612 | 4,2 | 561 | | | 46,0 |
| 48,0 | | | | | | | | | | | | | 5,2 | 608 | 4,3 | 608 | 4,7 | 607 | 3,9 | 568 | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | 4,2 | 604 | 3,5 | 569 | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | 3,8 | 605 | 3,2 | 574 | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | 2,9 | 577 | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | 2,6 | 579 | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 93 | 46 | 93 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 100 | 1 | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 100 | 5 | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

| Working radius (m) | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 37,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|---|--------|--------|----|------|----|--------|----|------|----|------|----|--------|----|-------|----|--------------------|------|------|------|
| | Boom length (m) | | | | | | | | | | | | | | | | | | | |
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | | 26,3 | | |
| | ∠ | 1) | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | |
| 3,0 | 70 | 160,0* | 140,0* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 |
| 3,5 | 68 | 149,8* | 129,0* | 74 | 50,8 | 74 | 120,0* | 77 | 36,8 | 77 | 54,6 | 77 | 115,6* | 77 | 101,2 | 80 | 38,5 | 80 | 52,9 | 3,5 |
| 4,0 | 65 | 132,8* | 119,2* | 72 | 48,4 | 72 | 120,0* | 76 | 34,8 | 76 | 52,3 | 76 | 115,6* | 76 | 101,2 | 79 | 36,7 | 79 | 52,9 | 4,0 |
| 4,5 | 63 | 121,3* | 110,4* | 70 | 46,2 | 70 | 110,8* | 75 | 33,0 | 75 | 50,3 | 75 | 111,0* | 75 | 100,3 | 78 | 35,0 | 78 | 52,9 | 4,5 |
| 5,0 | 60 | 109,2 | 100,3 | 69 | 44,2 | 69 | 100,5 | 73 | 31,3 | 73 | 48,3 | 73 | 99,8 | 73 | 95,3 | 77 | 33,3 | 77 | 51,1 | 5,0 |
| 6,0 | 55 | 90,7 | 90,1 | 65 | 40,7 | 65 | 89,8 | 71 | 28,4 | 71 | 44,9 | 71 | 89,4 | 71 | 86,4 | 74 | 30,3 | 74 | 47,8 | 6,0 |
| 7,0 | 49 | 77,4 | 77,0 | 61 | 37,7 | 61 | 77,2 | 68 | 26,0 | 68 | 41,7 | 68 | 76,6 | 68 | 77,8 | 72 | 27,7 | 72 | 44,8 | 7,0 |
| 8,0 | 42 | 67,2 | 67,0 | 57 | 35,2 | 57 | 67,1 | 65 | 24,0 | 65 | 38,4 | 65 | 66,5 | 65 | 67,6 | 70 | 25,5 | 70 | 42,2 | 8,0 |
| 9,0 | 34 | 59,3 | 59,3 | 53 | 33,0 | 53 | 59,1 | 62 | 22,2 | 62 | 35,6 | 62 | 58,6 | 62 | 59,7 | 67 | 23,6 | 67 | 39,4 | 9,0 |
| 10,0 | 23 | 50,6 | 50,6 | 48 | 31,1 | 48 | 52,7 | 59 | 20,7 | 59 | 33,2 | 59 | 52,2 | 59 | 53,3 | 65 | 21,9 | 65 | 36,9 | 10,0 |
| 11,0 | | | | 43 | 29,5 | 43 | 47,0 | 55 | 19,4 | 55 | 31,2 | 55 | 46,2 | 55 | 48,0 | 62 | 20,5 | 62 | 34,7 | 11,0 |
| 12,0 | | | | 38 | 28,0 | 38 | 40,8 | 52 | 18,2 | 52 | 29,2 | 52 | 40,0 | 52 | 41,7 | 60 | 19,2 | 60 | 32,6 | 12,0 |
| 14,0 | | | | 24 | 26,0 | 24 | 31,4 | 44 | 16,3 | 44 | 26,1 | 44 | 30,8 | 44 | 32,3 | 54 | 17,1 | 54 | 29,0 | 14,0 |
| 16,0 | | | | | | | | 36 | 14,8 | 36 | 23,6 | 36 | 24,4 | 36 | 25,9 | 48 | 15,4 | 48 | 26,1 | 16,0 |
| 18,0 | | | | | | | | 24 | 13,6 | 24 | 21,7 | 24 | 19,8 | 24 | 21,2 | 42 | 14,0 | 42 | 23,5 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | 34 | 12,9 | 34 | 19,9 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | 24 | 12,0 | 24 | 17,0 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | Tel. | | | |
| 1 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 1 |
| 2 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 2 |
| 3 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 3 |
| 4 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 4 |
| 5 | | 0 | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 93 | | 46 | | 5 |

1) Over rear with superstructure locking pin engaged.
* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
load rating chart 99707789290

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|------|-----|------|-----|--------------------|
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 160,0 | 905 | 140,0 | 908 | 53,3 | 403 | 120,0 | 794 | 39,0 | 400 | 54,6 | 406 | 115,6 | 771 | 101,2 | 682 | 40,5 | 404 | 52,9 | 404 | 3,0 |
| 3,5 | 149,8 | 901 | 129,0 | 908 | 50,8 | 415 | 120,0 | 853 | 36,8 | 379 | 54,6 | 434 | 115,6 | 828 | 101,2 | 732 | 38,5 | 383 | 52,9 | 423 | 3,5 |
| 4,0 | 132,8 | 857 | 119,2 | 906 | 48,4 | 426 | 120,0 | 912 | 34,8 | 361 | 52,3 | 447 | 115,6 | 885 | 101,2 | 783 | 36,7 | 364 | 52,9 | 450 | 4,0 |
| 4,5 | 121,3 | 833 | 110,4 | 902 | 46,2 | 436 | 110,8 | 905 | 33,0 | 344 | 50,3 | 460 | 111,0 | 910 | 100,3 | 826 | 35,0 | 346 | 52,9 | 477 | 4,5 |
| 5,0 | 109,2 | 799 | 100,3 | 880 | 44,2 | 445 | 100,5 | 882 | 31,3 | 341 | 48,3 | 471 | 99,8 | 880 | 95,3 | 838 | 33,3 | 351 | 51,1 | 491 | 5,0 |
| 6,0 | 90,7 | 748 | 90,1 | 893 | 40,7 | 463 | 89,8 | 892 | 28,4 | 352 | 44,9 | 492 | 89,4 | 892 | 86,4 | 858 | 30,3 | 362 | 47,8 | 515 | 6,0 |
| 7,0 | 77,4 | 712 | 77,0 | 861 | 37,7 | 479 | 77,2 | 864 | 26,0 | 361 | 41,7 | 509 | 76,6 | 862 | 77,8 | 864 | 27,7 | 371 | 44,8 | 537 | 7,0 |
| 8,0 | 67,2 | 684 | 67,0 | 837 | 35,2 | 495 | 67,1 | 839 | 24,0 | 371 | 38,4 | 520 | 66,5 | 837 | 67,6 | 837 | 25,5 | 379 | 42,2 | 557 | 8,0 |
| 9,0 | 59,3 | 663 | 59,3 | 820 | 33,0 | 509 | 59,1 | 819 | 22,2 | 379 | 35,6 | 530 | 58,6 | 818 | 59,7 | 818 | 23,6 | 387 | 39,4 | 571 | 9,0 |
| 10,0 | 50,6 | 630 | 50,6 | 777 | 31,1 | 523 | 52,7 | 803 | 20,7 | 387 | 33,2 | 539 | 52,2 | 803 | 53,3 | 803 | 21,9 | 393 | 36,9 | 582 | 10,0 |
| 11,0 | | | | | 29,5 | 538 | 47,0 | 786 | 19,4 | 395 | 31,2 | 550 | 46,2 | 781 | 48,0 | 791 | 20,5 | 400 | 34,7 | 594 | 11,0 |
| 12,0 | | | | | 28,0 | 551 | 40,8 | 761 | 18,2 | 402 | 29,2 | 557 | 40,0 | 746 | 41,7 | 755 | 19,2 | 406 | 32,6 | 602 | 12,0 |
| 14,0 | | | | | 26,0 | 584 | 31,4 | 694 | 16,3 | 418 | 26,1 | 574 | 30,8 | 692 | 32,3 | 698 | 17,1 | 420 | 29,0 | 617 | 14,0 |
| 16,0 | | | | | | | | | 14,8 | 434 | 23,6 | 590 | 24,4 | 653 | 25,9 | 660 | 15,4 | 432 | 26,1 | 631 | 16,0 |
| 18,0 | | | | | | | | | 13,6 | 450 | 21,7 | 609 | 19,8 | 626 | 21,2 | 632 | 14,0 | 444 | 23,5 | 640 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | | | 457 | 19,9 | 620 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | | 12,0 | 471 | 17,0 | 601 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 1 |
| 2 | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 0 | | 2 |
| 3 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 3 |
| 4 | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 46 | | 46 | | 4 |
| 5 | 0 | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 0 | | 93 | | 46 | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

| Working radius (m) | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 37,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | Working radius (m) | | | | | | | | | | | |
|--------------------|---|------|------|------|------|------|------|------|------|------|----|------|--------------------|------|----|------|----|------|----|------|--|--|------|------|
| | Boom length (m) | | | | | | | | | | | | | | | | | | | | | | | |
| | 26,3 | 30,6 | 30,6 | 30,6 | 35,0 | 35,0 | 35,0 | 39,3 | 39,3 | 39,3 | | | | | | | | | | | | | | |
| 3,0 | 81 | 89,1 | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | 80 | 89,1 | 82 | 33,7 | 82 | 49,8 | 82 | 74,2 | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | 79 | 89,1 | 81 | 31,8 | 81 | 49,8 | 81 | 73,1 | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | 78 | 89,1 | 80 | 30,1 | 80 | 49,8 | 80 | 68,9 | 82 | 30,5 | 82 | 45,1 | 82 | 55,1 | | | | | | | | | | 4,5 |
| 5,0 | 77 | 89,1 | 79 | 28,5 | 79 | 49,8 | 79 | 65,1 | 81 | 29,1 | 81 | 45,1 | 81 | 55,1 | | | | | | | | | | 5,0 |
| 6,0 | 74 | 89,1 | 77 | 25,9 | 77 | 49,8 | 77 | 58,6 | 79 | 26,6 | 79 | 45,1 | 79 | 53,5 | 81 | 26,1 | 81 | 41,4 | 81 | 32,2 | | | | 6,0 |
| 7,0 | 72 | 77,1 | 75 | 23,6 | 75 | 47,0 | 75 | 53,2 | 77 | 24,5 | 77 | 45,1 | 77 | 48,7 | 79 | 24,5 | 79 | 41,4 | 79 | 32,1 | | | | 7,0 |
| 8,0 | 70 | 67,0 | 73 | 21,7 | 73 | 44,4 | 73 | 48,6 | 76 | 22,7 | 76 | 45,1 | 76 | 44,7 | 78 | 22,7 | 78 | 41,4 | 78 | 30,1 | | | | 8,0 |
| 9,0 | 67 | 59,1 | 71 | 20,1 | 71 | 42,2 | 71 | 44,7 | 74 | 21,1 | 74 | 43,6 | 74 | 41,2 | 76 | 21,0 | 76 | 38,4 | 76 | 28,3 | | | | 9,0 |
| 10,0 | 65 | 52,7 | 69 | 18,6 | 69 | 39,8 | 69 | 41,4 | 72 | 19,7 | 72 | 41,6 | 72 | 38,1 | 75 | 19,6 | 75 | 35,7 | 75 | 26,7 | | | | 10,0 |
| 11,0 | 62 | 47,2 | 67 | 17,4 | 67 | 37,7 | 67 | 38,6 | 70 | 18,5 | 70 | 39,6 | 70 | 35,6 | 73 | 18,4 | 73 | 33,4 | 73 | 25,3 | | | | 11,0 |
| 12,0 | 60 | 40,9 | 65 | 16,3 | 65 | 35,6 | 65 | 35,8 | 69 | 17,4 | 69 | 37,6 | 69 | 33,1 | 72 | 17,2 | 72 | 31,2 | 72 | 24,0 | | | | 12,0 |
| 14,0 | 54 | 31,6 | 61 | 14,4 | 61 | 32,1 | 61 | 30,9 | 65 | 15,6 | 65 | 33,7 | 65 | 29,2 | 68 | 15,2 | 68 | 27,6 | 68 | 21,7 | | | | 14,0 |
| 16,0 | 48 | 25,2 | 56 | 12,9 | 56 | 28,0 | 56 | 24,5 | 61 | 14,1 | 61 | 27,2 | 61 | 25,5 | 65 | 13,6 | 65 | 24,6 | 65 | 19,9 | | | | 16,0 |
| 18,0 | 42 | 20,5 | 51 | 11,7 | 51 | 23,2 | 51 | 19,9 | 57 | 12,8 | 57 | 22,4 | 57 | 20,8 | 62 | 12,3 | 62 | 21,7 | 62 | 18,3 | | | | 18,0 |
| 20,0 | 34 | 17,0 | 46 | 10,7 | 46 | 19,6 | 46 | 16,4 | 53 | 11,8 | 53 | 18,9 | 53 | 17,2 | 58 | 11,2 | 58 | 18,2 | 58 | 17,0 | | | | 20,0 |
| 22,0 | 24 | 14,2 | 40 | 9,8 | 40 | 16,7 | 40 | 13,6 | 49 | 10,9 | 49 | 16,0 | 49 | 14,4 | 55 | 10,3 | 55 | 15,3 | 55 | 15,9 | | | | 22,0 |
| 24,0 | | | 33 | 9,1 | 33 | 14,4 | 33 | 11,3 | 44 | 10,1 | 44 | 13,7 | 44 | 12,2 | 51 | 9,4 | 51 | 13,0 | 51 | 14,4 | | | | 24,0 |
| 26,0 | | | 24 | 8,5 | 24 | 12,5 | 24 | 9,5 | 39 | 9,4 | 39 | 11,8 | 39 | 10,3 | 47 | 8,7 | 47 | 11,2 | 47 | 12,5 | | | | 26,0 |
| 28,0 | | | | | | | | | 32 | 8,9 | 32 | 10,3 | 32 | 8,8 | 42 | 8,1 | 42 | 9,6 | 42 | 10,9 | | | | 28,0 |
| 30,0 | | | | | | | | | 25 | 8,4 | 25 | 9,0 | 25 | 7,5 | 37 | 7,6 | 37 | 8,3 | 37 | 9,6 | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 32 | 7,1 | 32 | 7,2 | 32 | 8,5 | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 25 | 6,7 | 25 | 6,2 | 25 | 7,5 | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 15 | 6,3 | 15 | 5,3 | 15 | 6,6 | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789290
Counterweight 37,0 t
 On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|-----|------|------|
| | 26,3 | | 30,6 | | 30,6 | | 30,6 | | 35,0 | | 35,0 | | 35,0 | | 39,3 | | 39,3 | | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | | |
| 3,0 | 89,1 | 615 | | | | | | | | | | | | | | | | | | 3,0 | | |
| 3,5 | 89,1 | 660 | 33,7 | 385 | 49,8 | 405 | 74,2 | 571 | | | | | | | | | | | | 3,5 | | |
| 4,0 | 89,1 | 705 | 31,8 | 368 | 49,8 | 431 | 73,1 | 602 | | | | | | | | | | | | 4,0 | | |
| 4,5 | 89,1 | 750 | 30,1 | 353 | 49,8 | 457 | 68,9 | 610 | 30,5 | 353 | 45,1 | 427 | 55,1 | 507 | | | | | | 4,5 | | |
| 5,0 | 89,1 | 795 | 28,5 | 339 | 49,8 | 483 | 65,1 | 617 | 29,1 | 339 | 45,1 | 451 | 55,1 | 537 | | | | | | 5,0 | | |
| 6,0 | 89,1 | 885 | 25,9 | 324 | 49,8 | 534 | 58,6 | 631 | 26,6 | 328 | 45,1 | 499 | 53,5 | 581 | 26,1 | 325 | 41,4 | 473 | 32,2 | 385 | 6,0 | |
| 7,0 | 77,1 | 862 | 23,6 | 331 | 47,0 | 560 | 53,2 | 642 | 24,5 | 338 | 45,1 | 547 | 48,7 | 593 | 24,5 | 340 | 41,4 | 518 | 32,1 | 420 | 7,0 | |
| 8,0 | 67,0 | 836 | 21,7 | 338 | 44,4 | 583 | 48,6 | 652 | 22,7 | 347 | 45,1 | 596 | 44,7 | 605 | 22,7 | 349 | 41,4 | 563 | 30,1 | 435 | 8,0 | |
| 9,0 | 59,1 | 817 | 20,1 | 346 | 42,2 | 605 | 44,7 | 662 | 21,1 | 355 | 43,6 | 627 | 41,2 | 615 | 21,0 | 356 | 38,4 | 575 | 28,3 | 449 | 9,0 | |
| 10,0 | 52,7 | 802 | 18,6 | 351 | 39,8 | 621 | 41,4 | 671 | 19,7 | 363 | 41,6 | 649 | 38,1 | 623 | 19,6 | 364 | 35,7 | 585 | 26,7 | 461 | 10,0 | |
| 11,0 | 47,2 | 787 | 17,4 | 358 | 37,7 | 636 | 38,6 | 682 | 18,5 | 370 | 39,6 | 668 | 35,6 | 633 | 18,4 | 371 | 33,4 | 595 | 25,3 | 474 | 11,0 | |
| 12,0 | 40,9 | 750 | 16,3 | 364 | 35,6 | 647 | 35,8 | 687 | 17,4 | 377 | 37,6 | 683 | 33,1 | 639 | 17,2 | 377 | 31,2 | 602 | 24,0 | 485 | 12,0 | |
| 14,0 | 31,6 | 695 | 14,4 | 375 | 32,1 | 670 | 30,9 | 693 | 15,6 | 391 | 33,7 | 704 | 29,2 | 654 | 15,2 | 387 | 27,6 | 617 | 21,7 | 506 | 14,0 | |
| 16,0 | 25,2 | 657 | 12,9 | 386 | 28,0 | 669 | 24,5 | 654 | 14,1 | 404 | 27,2 | 665 | 25,5 | 659 | 13,6 | 398 | 24,6 | 630 | 19,9 | 526 | 16,0 | |
| 18,0 | 20,5 | 628 | 11,7 | 397 | 23,2 | 640 | 19,9 | 627 | 12,8 | 415 | 22,4 | 636 | 20,8 | 631 | 12,3 | 408 | 21,7 | 634 | 18,3 | 544 | 18,0 | |
| 20,0 | 17,0 | 608 | 10,7 | 408 | 19,6 | 619 | 16,4 | 607 | 11,8 | 428 | 18,9 | 616 | 17,2 | 609 | 11,2 | 418 | 18,2 | 614 | 17,0 | 563 | 20,0 | |
| 22,0 | 14,2 | 591 | 9,8 | 418 | 16,7 | 600 | 13,6 | 590 | 10,9 | 439 | 16,0 | 597 | 14,4 | 592 | 10,3 | 429 | 15,3 | 595 | 15,9 | 581 | 22,0 | |
| 24,0 | | | 9,1 | 429 | 14,4 | 586 | 11,3 | 575 | 10,1 | 449 | 13,7 | 583 | 12,2 | 580 | 9,4 | 436 | 13,0 | 581 | 14,4 | 586 | 24,0 | |
| 26,0 | | | 8,5 | 440 | 12,5 | 575 | 9,5 | 566 | 9,4 | 460 | 11,8 | 571 | 10,3 | 568 | 8,7 | 446 | 11,2 | 571 | 12,5 | 574 | 26,0 | |
| 28,0 | | | | | | | | | 8,9 | 473 | 10,3 | 564 | 8,8 | 560 | 8,1 | 455 | 9,6 | 561 | 10,9 | 564 | 28,0 | |
| 30,0 | | | | | | | | | 8,4 | 485 | 9,0 | 557 | 7,5 | 553 | 7,6 | 466 | 8,3 | 554 | 9,6 | 557 | 30,0 | |
| 32,0 | | | | | | | | | | | | | | | | 7,1 | 474 | 7,2 | 549 | 8,5 | 552 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | 6,7 | 485 | 6,2 | 543 | 7,5 | 546 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | 6,3 | 493 | 5,3 | 537 | 6,6 | 540 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | | | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 46 | 46 | 0 | 93 | 0 | 93 | 46 | 1 | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 46 | 4 | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | Working radius (m) | | | | | | |
|--------------------|------------------------|---|----|------|----|------|----|------|----|------|----|------|----|------|----|------|-----|--------------------|----|------|--|--|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom | | | | | | | | | | | | | | | | | | | | | | |
| | | Counterweight 37,0 t | | | | | | | | | | | | | | | | | | | | | | |
| | | On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | | | | |
| | | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | 60,0 | | | | |
| | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | | | |
| | | / | | / | | / | | / | | / | | / | | / | | / | | / | | / | | | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 82 | 22,4 | 82 | 24,5 | 82 | 33,4 | | | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 81 | 22,4 | 81 | 24,5 | 81 | 33,4 | 82 | 19,5 | 82 | 26,9 | 82 | 22,3 | | | | | | | | | | | | 7,0 |
| 8,0 | 79 | 22,4 | 79 | 24,3 | 79 | 33,4 | 81 | 19,5 | 81 | 26,9 | 81 | 22,3 | 82 | 17,6 | 82 | 21,6 | | | | | | | | 8,0 |
| 9,0 | 78 | 21,6 | 78 | 22,9 | 78 | 33,4 | 80 | 19,5 | 80 | 26,9 | 80 | 22,3 | 81 | 17,6 | 81 | 21,6 | 82 | 17,0 | | | | | | 9,0 |
| 10,0 | 77 | 20,2 | 77 | 21,6 | 77 | 32,3 | 79 | 19,5 | 79 | 26,9 | 79 | 22,3 | 80 | 17,6 | 80 | 21,6 | 81 | 17,0 | 82 | 14,0 | | | | 10,0 |
| 11,0 | 75 | 19,0 | 75 | 20,4 | 75 | 30,3 | 77 | 18,8 | 77 | 26,0 | 77 | 21,6 | 79 | 17,6 | 79 | 21,2 | 80 | 17,0 | 81 | 14,0 | | | | 11,0 |
| 12,0 | 74 | 17,9 | 74 | 19,3 | 74 | 28,3 | 76 | 18,1 | 76 | 25,1 | 76 | 21,0 | 78 | 17,6 | 78 | 20,9 | 79 | 17,0 | 80 | 14,0 | | | | 12,0 |
| 14,0 | 71 | 16,1 | 71 | 17,5 | 71 | 25,2 | 74 | 16,4 | 74 | 22,9 | 74 | 19,1 | 75 | 16,6 | 75 | 19,2 | 77 | 16,4 | 78 | 14,0 | | | | 14,0 |
| 16,0 | 68 | 14,5 | 68 | 16,0 | 68 | 22,5 | 71 | 14,9 | 71 | 21,0 | 71 | 17,4 | 73 | 15,2 | 73 | 17,6 | 75 | 15,1 | 76 | 14,0 | | | | 16,0 |
| 18,0 | 65 | 13,2 | 65 | 14,7 | 65 | 20,3 | 68 | 13,7 | 68 | 19,0 | 68 | 16,0 | 71 | 14,0 | 71 | 16,3 | 73 | 14,0 | 74 | 13,0 | | | | 18,0 |
| 20,0 | 62 | 12,1 | 62 | 13,6 | 62 | 18,1 | 66 | 12,6 | 66 | 17,3 | 66 | 14,8 | 68 | 13,0 | 68 | 15,1 | 70 | 13,0 | 72 | 12,2 | | | | 20,0 |
| 22,0 | 59 | 11,1 | 59 | 12,6 | 59 | 15,3 | 63 | 11,7 | 63 | 15,5 | 63 | 13,8 | 66 | 12,1 | 66 | 14,1 | 68 | 12,2 | 70 | 11,4 | | | | 22,0 |
| 24,0 | 56 | 10,3 | 56 | 11,8 | 56 | 13,0 | 60 | 10,8 | 60 | 13,2 | 60 | 12,9 | 63 | 11,3 | 63 | 13,2 | 66 | 11,4 | 68 | 10,7 | | | | 24,0 |
| 26,0 | 53 | 9,6 | 53 | 11,1 | 53 | 11,1 | 57 | 10,1 | 57 | 11,4 | 57 | 12,0 | 61 | 10,6 | 61 | 11,8 | 64 | 10,8 | 66 | 9,9 | | | | 26,0 |
| 28,0 | 49 | 8,9 | 49 | 10,4 | 49 | 9,6 | 54 | 9,5 | 54 | 9,8 | 54 | 10,7 | 58 | 9,9 | 58 | 10,2 | 61 | 10,1 | 64 | 9,0 | | | | 28,0 |
| 30,0 | 45 | 8,4 | 45 | 9,9 | 45 | 8,3 | 51 | 8,9 | 51 | 8,5 | 51 | 9,4 | 55 | 9,4 | 55 | 8,9 | 59 | 9,3 | 61 | 8,3 | | | | 30,0 |
| 32,0 | 41 | 7,9 | 41 | 8,8 | 41 | 7,1 | 48 | 8,4 | 48 | 7,3 | 48 | 8,2 | 52 | 8,7 | 52 | 7,7 | 56 | 8,2 | 59 | 7,6 | | | | 32,0 |
| 34,0 | 37 | 7,4 | 37 | 7,8 | 37 | 6,2 | 44 | 7,9 | 44 | 6,4 | 44 | 7,3 | 50 | 7,7 | 50 | 6,7 | 54 | 7,2 | 57 | 7,0 | | | | 34,0 |
| 36,0 | 31 | 7,0 | 31 | 7,0 | 31 | 5,3 | 40 | 7,2 | 40 | 5,5 | 40 | 6,4 | 46 | 6,8 | 46 | 5,9 | 51 | 6,3 | 54 | 6,4 | | | | 36,0 |
| 38,0 | 25 | 6,7 | 25 | 6,2 | 25 | 4,6 | 36 | 6,4 | 36 | 4,8 | 36 | 5,6 | 43 | 6,1 | 43 | 5,1 | 48 | 5,6 | 52 | 5,6 | | | | 38,0 |
| 40,0 | 16 | 6,1 | 16 | 5,5 | 16 | 3,9 | 31 | 5,8 | 31 | 4,1 | 31 | 5,0 | 39 | 5,4 | 39 | 4,5 | 45 | 4,9 | 49 | 4,9 | | | | 40,0 |
| 42,0 | | | | | | | 26 | 5,2 | 26 | 3,5 | 26 | 4,4 | 36 | 4,8 | 36 | 3,9 | 42 | 4,3 | 46 | 4,3 | | | | 42,0 |
| 44,0 | | | | | | | 18 | 4,6 | 18 | 3,0 | 18 | 3,8 | 31 | 4,3 | 31 | 3,3 | 39 | 3,8 | 43 | 3,8 | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | 26 | 3,8 | 26 | 2,8 | 35 | 3,3 | 40 | 3,3 | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | 19 | 3,3 | 19 | 2,4 | 31 | 2,8 | 37 | 2,9 | | | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | 26 | 2,4 | 33 | 2,5 | | | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | 20 | 2,1 | 29 | 2,1 | | | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | 24 | 1,7 | | | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | 17 | 1,4 | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | | | | | | | | | | | | | | 1 |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | | | | | | | | | | | | | | 2 |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | | | | | | | | | | | | | | 3 |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | | | | | | | | | | | | | | 4 |
| 5 | 93 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 100 | | | | | | | 5 |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789290

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|------|------|------|
| | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | | 60,0 | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | m | F | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 22,4 | 321 | 24,5 | 317 | 33,4 | 405 | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 22,4 | 321 | 24,5 | 346 | 33,4 | 443 | 19,5 | 302 | 26,9 | 351 | 22,3 | 330 | | | | | | | | | | 7,0 |
| 8,0 | 22,4 | 347 | 24,3 | 372 | 33,4 | 481 | 19,5 | 321 | 26,9 | 412 | 22,3 | 357 | 17,6 | 304 | 21,6 | 354 | | | | | | 8,0 |
| 9,0 | 21,6 | 364 | 22,9 | 385 | 33,4 | 519 | 19,5 | 344 | 26,9 | 444 | 22,3 | 384 | 17,6 | 326 | 21,6 | 381 | 17,0 | 325 | | | | 9,0 |
| 10,0 | 20,2 | 372 | 21,6 | 395 | 32,3 | 544 | 19,5 | 368 | 26,9 | 476 | 22,3 | 411 | 17,6 | 349 | 21,6 | 408 | 17,0 | 347 | 14,0 | 310 | | 10,0 |
| 11,0 | 19,0 | 381 | 20,4 | 406 | 30,3 | 555 | 18,8 | 382 | 26,0 | 496 | 21,6 | 428 | 17,6 | 371 | 21,2 | 429 | 17,0 | 369 | 14,0 | 330 | | 11,0 |
| 12,0 | 17,9 | 388 | 19,3 | 415 | 28,3 | 562 | 18,1 | 396 | 25,1 | 515 | 21,0 | 446 | 17,6 | 393 | 20,9 | 452 | 17,0 | 391 | 14,0 | 349 | | 12,0 |
| 14,0 | 16,1 | 404 | 17,5 | 434 | 25,2 | 580 | 16,4 | 414 | 22,9 | 541 | 19,1 | 468 | 16,6 | 422 | 19,2 | 477 | 16,4 | 426 | 14,0 | 388 | | 14,0 |
| 16,0 | 14,5 | 416 | 16,0 | 452 | 22,5 | 594 | 14,9 | 429 | 21,0 | 564 | 17,4 | 486 | 15,2 | 440 | 17,6 | 498 | 15,1 | 447 | 14,0 | 427 | | 16,0 |
| 18,0 | 13,2 | 428 | 14,7 | 468 | 20,3 | 607 | 13,7 | 445 | 19,0 | 578 | 16,0 | 504 | 14,0 | 457 | 16,3 | 519 | 14,0 | 466 | 13,0 | 446 | | 18,0 |
| 20,0 | 12,1 | 440 | 13,6 | 484 | 18,1 | 613 | 12,6 | 458 | 17,3 | 591 | 14,8 | 521 | 13,0 | 473 | 15,1 | 537 | 13,0 | 484 | 12,2 | 466 | | 20,0 |
| 22,0 | 11,1 | 450 | 12,6 | 498 | 15,3 | 596 | 11,7 | 472 | 15,5 | 596 | 13,8 | 538 | 12,1 | 489 | 14,1 | 556 | 12,2 | 502 | 11,4 | 483 | | 22,0 |
| 24,0 | 10,3 | 462 | 11,8 | 513 | 13,0 | 582 | 10,8 | 483 | 13,2 | 582 | 12,9 | 554 | 11,3 | 503 | 13,2 | 573 | 11,4 | 518 | 10,7 | 500 | | 24,0 |
| 26,0 | 9,6 | 473 | 11,1 | 528 | 11,1 | 570 | 10,1 | 496 | 11,4 | 573 | 12,0 | 566 | 10,6 | 518 | 11,8 | 574 | 10,8 | 536 | 9,9 | 511 | | 26,0 |
| 28,0 | 8,9 | 482 | 10,4 | 541 | 9,6 | 562 | 9,5 | 509 | 9,8 | 563 | 10,7 | 564 | 9,9 | 529 | 10,2 | 564 | 10,1 | 549 | 9,0 | 517 | | 28,0 |
| 30,0 | 8,4 | 494 | 9,9 | 557 | 8,3 | 556 | 8,9 | 519 | 8,5 | 556 | 9,4 | 558 | 9,4 | 545 | 8,9 | 557 | 9,3 | 556 | 8,3 | 525 | | 30,0 |
| 32,0 | 7,9 | 504 | 8,8 | 551 | 7,1 | 547 | 8,4 | 531 | 7,3 | 547 | 8,2 | 549 | 8,7 | 552 | 7,7 | 549 | 8,2 | 551 | 7,6 | 531 | | 32,0 |
| 34,0 | 7,4 | 513 | 7,8 | 546 | 6,2 | 545 | 7,9 | 541 | 6,4 | 545 | 7,3 | 547 | 7,7 | 546 | 6,7 | 543 | 7,2 | 545 | 7,0 | 538 | | 34,0 |
| 36,0 | 7,0 | 523 | 7,0 | 543 | 5,3 | 539 | 7,2 | 543 | 5,5 | 539 | 6,4 | 541 | 6,8 | 540 | 5,9 | 541 | 6,3 | 539 | 6,4 | 542 | | 36,0 |
| 38,0 | 6,7 | 536 | 6,2 | 538 | 4,6 | 537 | 6,4 | 537 | 4,8 | 537 | 5,6 | 536 | 6,1 | 538 | 5,1 | 535 | 5,6 | 538 | 5,6 | 537 | | 38,0 |
| 40,0 | 6,1 | 535 | 5,5 | 534 | 3,9 | 533 | 5,8 | 537 | 4,1 | 533 | 5,0 | 535 | 5,4 | 534 | 4,5 | 535 | 4,9 | 534 | 4,9 | 533 | | 40,0 |
| 42,0 | | | | | | | 5,2 | 535 | 3,5 | 530 | 4,4 | 533 | 4,8 | 532 | 3,9 | 532 | 4,3 | 531 | 4,3 | 530 | | 42,0 |
| 44,0 | | | | | | | 4,6 | 530 | 3,0 | 530 | 3,8 | 528 | 4,3 | 531 | 3,3 | 528 | 3,8 | 531 | 3,8 | 529 | | 44,0 |
| 46,0 | | | | | | | | | | | | | 3,8 | 529 | 2,8 | 525 | 3,3 | 528 | 3,3 | 527 | | 46,0 |
| 48,0 | | | | | | | | | | | | | 3,3 | 525 | 2,4 | 526 | 2,8 | 524 | 2,9 | 528 | | 48,0 |
| 50,0 | | | | | | | | | | | | | | | | | 2,4 | 523 | 2,5 | 527 | | 50,0 |
| 52,0 | | | | | | | | | | | | | | | | | 2,1 | 526 | 2,1 | 524 | | 52,0 |
| 54,0 | | | | | | | | | | | | | | | | | | | 1,7 | 520 | | 54,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | 1,4 | 521 | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 93 | 100 | 1 | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 5 | | | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|--|--------|------|------|------|--------|------|------|------|------|------|--------|------|-------|------|------|------|------|--------------------|--|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 37,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | |
| | | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | |
| | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | | |
| | | 1) | | | | | | | | | | | | | | | | | | | |
| 3,0 | 70 | 160,0* | 131,4* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 | |
| 3,5 | 68 | 149,8* | 119,7* | 74 | 50,8 | 74 | 119,6* | 77 | 36,8 | 77 | 54,6 | 77 | 115,6* | 77 | 101,2 | 80 | 38,5 | 80 | 52,9 | 3,5 | |
| 4,0 | 65 | 132,8* | 109,8 | 72 | 48,4 | 72 | 109,7 | 76 | 34,8 | 76 | 52,3 | 76 | 109,3 | 76 | 101,2 | 79 | 36,7 | 79 | 52,9 | 4,0 | |
| 4,5 | 63 | 121,3* | 101,3 | 70 | 46,2 | 70 | 101,2 | 75 | 33,0 | 75 | 50,3 | 75 | 100,8 | 75 | 100,3 | 78 | 35,0 | 78 | 52,9 | 4,5 | |
| 5,0 | 60 | 109,2 | 94,0 | 69 | 44,2 | 69 | 93,9 | 73 | 31,3 | 73 | 48,3 | 73 | 91,7 | 73 | 94,0 | 77 | 33,3 | 77 | 51,1 | 5,0 | |
| 6,0 | 55 | 90,7 | 81,9 | 65 | 40,7 | 65 | 78,0 | 71 | 28,4 | 71 | 44,9 | 71 | 71,4 | 71 | 73,5 | 74 | 30,3 | 74 | 47,8 | 6,0 | |
| 7,0 | 49 | 77,4 | 65,2 | 61 | 37,7 | 61 | 63,0 | 68 | 26,0 | 68 | 41,7 | 68 | 57,8 | 68 | 59,8 | 72 | 27,7 | 72 | 44,8 | 7,0 | |
| 8,0 | 42 | 67,2 | 51,4 | 57 | 35,2 | 57 | 51,3 | 65 | 24,0 | 65 | 38,4 | 65 | 48,2 | 65 | 50,0 | 70 | 25,5 | 70 | 42,2 | 8,0 | |
| 9,0 | 34 | 59,3 | 42,0 | 53 | 33,0 | 53 | 41,9 | 62 | 22,2 | 62 | 35,6 | 62 | 41,1 | 62 | 42,7 | 67 | 23,6 | 67 | 39,4 | 9,0 | |
| 10,0 | 23 | 50,6 | 35,1 | 48 | 31,1 | 48 | 35,0 | 59 | 20,7 | 59 | 33,2 | 59 | 34,3 | 59 | 36,0 | 65 | 21,9 | 65 | 36,9 | 10,0 | |
| 11,0 | | | | 43 | 29,5 | 43 | 29,9 | 55 | 19,4 | 55 | 31,2 | 55 | 29,2 | 55 | 30,8 | 62 | 20,5 | 62 | 33,4 | 11,0 | |
| 12,0 | | | | 38 | 28,0 | 38 | 25,9 | 52 | 18,2 | 52 | 29,1 | 52 | 25,2 | 52 | 26,8 | 60 | 19,2 | 60 | 29,3 | 12,0 | |
| 14,0 | | | | 24 | 21,9 | 24 | 19,8 | 44 | 16,3 | 44 | 22,9 | 44 | 19,2 | 44 | 20,7 | 54 | 17,1 | 54 | 23,1 | 14,0 | |
| 16,0 | | | | | | | | 36 | 14,8 | 36 | 18,5 | 36 | 15,0 | 36 | 16,4 | 48 | 15,4 | 48 | 18,7 | 16,0 | |
| 18,0 | | | | | | | | 24 | 13,6 | 24 | 15,2 | 24 | 11,8 | 24 | 13,2 | 42 | 14,0 | 42 | 15,4 | 18,0 | |
| 20,0 | | | | | | | | | | | | | | | | 34 | 12,9 | 34 | 12,9 | 20,0 | |
| 22,0 | | | | | | | | | | | | | | | | 24 | 11,6 | 24 | 10,9 | 22,0 | |
| 24,0 | | | | | | | | | | | | | | | | | | | | 24,0 | |
| 26,0 | | | | | | | | | | | | | | | | | | | | 26,0 | |
| 28,0 | | | | | | | | | | | | | | | | | | | | 28,0 | |
| 30,0 | | | | | | | | | | | | | | | | | | | | 30,0 | |
| 32,0 | | | | | | | | | | | | | | | | | | | | 32,0 | |
| 34,0 | | | | | | | | | | | | | | | | | | | | 34,0 | |
| 36,0 | | | | | | | | | | | | | | | | | | | | 36,0 | |
| 38,0 | | | | | | | | | | | | | | | | | | | | 38,0 | |
| 40,0 | | | | | | | | | | | | | | | | | | | | 40,0 | |
| 42,0 | | | | | | | | | | | | | | | | | | | | 42,0 | |
| 44,0 | | | | | | | | | | | | | | | | | | | | 44,0 | |
| 46,0 | | | | | | | | | | | | | | | | | | | | 46,0 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| 2 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 3 | | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 46 | 0 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 4 | | |
| 5 | 0 | 46 | 0 | 93 | 46 | 0 | 0 | 0 | 0 | 93 | 46 | 0 | 0 | 93 | 46 | 0 | 0 | 93 | 46 | 5 | |

1) Over rear with superstructure locking pin engaged.

* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
load rating chart 99707789291


Counterweight 37,0 t

On outriggers, 360° working area


Outriggers half extended, outrigger base 5,60 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|------|-----|------|-----|--------------------|
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 160,0 | 905 | 131,4 | 931 | 53,3 | 403 | 120,0 | 856 | 39,0 | 413 | 54,6 | 406 | 115,6 | 830 | 101,2 | 727 | 40,5 | 417 | 52,9 | 405 | 3,0 |
| 3,5 | 149,8 | 901 | 119,7 | 931 | 50,8 | 422 | 119,6 | 931 | 36,8 | 388 | 54,6 | 444 | 115,6 | 906 | 101,2 | 793 | 38,5 | 391 | 52,9 | 430 | 3,5 |
| 4,0 | 132,8 | 857 | 109,8 | 931 | 48,4 | 439 | 109,7 | 931 | 34,8 | 366 | 52,3 | 463 | 109,3 | 932 | 101,2 | 860 | 36,7 | 368 | 52,9 | 466 | 4,0 |
| 4,5 | 121,3 | 833 | 101,3 | 932 | 46,2 | 454 | 101,2 | 932 | 33,0 | 345 | 50,3 | 482 | 100,8 | 932 | 100,3 | 918 | 35,0 | 346 | 52,9 | 502 | 4,5 |
| 5,0 | 109,2 | 799 | 94,0 | 932 | 44,2 | 468 | 93,9 | 932 | 31,3 | 344 | 48,3 | 498 | 91,7 | 917 | 94,0 | 927 | 33,3 | 355 | 51,1 | 522 | 5,0 |
| 6,0 | 90,7 | 748 | 81,9 | 933 | 40,7 | 495 | 78,0 | 894 | 28,4 | 360 | 44,9 | 530 | 71,4 | 831 | 73,5 | 841 | 30,3 | 372 | 47,8 | 558 | 6,0 |
| 7,0 | 77,4 | 712 | 65,2 | 852 | 37,7 | 519 | 63,0 | 828 | 26,0 | 375 | 41,7 | 556 | 57,8 | 774 | 59,8 | 783 | 27,7 | 386 | 44,8 | 589 | 7,0 |
| 8,0 | 67,2 | 684 | 51,4 | 767 | 35,2 | 543 | 51,3 | 767 | 24,0 | 389 | 38,4 | 573 | 48,2 | 734 | 50,0 | 742 | 25,5 | 399 | 42,2 | 619 | 8,0 |
| 9,0 | 59,3 | 663 | 42,0 | 710 | 33,0 | 564 | 41,9 | 710 | 22,2 | 402 | 35,6 | 589 | 41,1 | 705 | 42,7 | 712 | 23,6 | 411 | 39,4 | 639 | 9,0 |
| 10,0 | 50,6 | 627 | 35,1 | 668 | 31,1 | 584 | 35,0 | 667 | 20,7 | 414 | 33,2 | 604 | 34,3 | 664 | 36,0 | 673 | 21,9 | 421 | 36,9 | 657 | 10,0 |
| 11,0 | | | | | 29,5 | 605 | 29,9 | 638 | 19,4 | 426 | 31,2 | 620 | 29,2 | 635 | 30,8 | 642 | 20,5 | 432 | 33,4 | 653 | 11,0 |
| 12,0 | | | | | 28,0 | 624 | 25,9 | 615 | 18,2 | 437 | 29,1 | 629 | 25,2 | 612 | 26,8 | 620 | 19,2 | 441 | 29,3 | 630 | 12,0 |
| 14,0 | | | | | 21,9 | 589 | 19,8 | 579 | 16,3 | 460 | 22,9 | 593 | 19,2 | 577 | 20,7 | 584 | 17,1 | 461 | 23,1 | 593 | 14,0 |
| 16,0 | | | | | | | | | 14,8 | 482 | 18,5 | 566 | 15,0 | 553 | 16,4 | 559 | 15,4 | 479 | 18,7 | 567 | 16,0 |
| 18,0 | | | | | | | | | 13,6 | 505 | 15,2 | 546 | 11,8 | 534 | 13,2 | 540 | 14,0 | 496 | 15,4 | 547 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | | 12,9 | 515 | 12,9 | 533 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | | 11,6 | 522 | 10,9 | 521 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | | 0 | | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 1 |
| 2 | | 0 | | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 2 |
| 3 | | 0 | | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 3 |
| 4 | | 0 | | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 4 |
| 5 | | 0 | | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 93 | | 46 | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|------|------|------|------|------|------|------|------|------|----|--------------------|-----|------|-----|------|----|------|----|------|------|
| Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 37,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | | Working radius (m) | | | | | | | | | |
| | 26,3 | 30,6 | 30,6 | 30,6 | 35,0 | 35,0 | 35,0 | 39,3 | 39,3 | 39,3 | | | | | | | | | | | |
| 3,0 | 81 | 89,1 | | | | | | | | | | | 3,0 | | | | | | | | |
| 3,5 | 80 | 89,1 | 82 | 33,7 | 82 | 49,8 | 82 | 74,2 | | | | | 3,5 | | | | | | | | |
| 4,0 | 79 | 89,1 | 81 | 31,8 | 81 | 49,8 | 81 | 73,1 | | | | | 4,0 | | | | | | | | |
| 4,5 | 78 | 89,1 | 80 | 30,1 | 80 | 49,8 | 80 | 68,9 | 82 | 30,5 | 82 | 45,1 | 82 | 55,1 | 4,5 | | | | | | |
| 5,0 | 77 | 85,2 | 79 | 28,5 | 79 | 49,8 | 79 | 65,1 | 81 | 29,1 | 81 | 45,1 | 81 | 55,1 | 5,0 | | | | | | |
| 6,0 | 74 | 67,4 | 77 | 25,9 | 77 | 49,8 | 77 | 58,6 | 79 | 26,6 | 79 | 45,1 | 79 | 53,5 | 81 | 26,1 | 81 | 41,4 | 81 | 32,2 | 6,0 |
| 7,0 | 72 | 55,3 | 75 | 23,6 | 75 | 47,0 | 75 | 51,2 | 77 | 24,5 | 77 | 45,1 | 77 | 48,7 | 79 | 24,5 | 79 | 41,4 | 79 | 32,1 | 7,0 |
| 8,0 | 70 | 46,5 | 73 | 21,7 | 73 | 44,4 | 73 | 43,2 | 76 | 22,7 | 76 | 44,3 | 76 | 42,2 | 78 | 22,7 | 78 | 41,3 | 78 | 30,1 | 8,0 |
| 9,0 | 67 | 39,9 | 71 | 20,1 | 71 | 41,0 | 71 | 37,1 | 74 | 21,1 | 74 | 38,4 | 74 | 36,5 | 76 | 21,0 | 76 | 35,9 | 76 | 28,3 | 9,0 |
| 10,0 | 65 | 34,6 | 69 | 18,6 | 69 | 36,2 | 69 | 32,3 | 72 | 19,7 | 72 | 33,9 | 72 | 31,9 | 75 | 19,6 | 75 | 31,6 | 75 | 26,7 | 10,0 |
| 11,0 | 62 | 30,0 | 67 | 17,4 | 67 | 32,0 | 67 | 28,1 | 70 | 18,5 | 70 | 30,1 | 70 | 28,2 | 73 | 18,4 | 73 | 28,0 | 73 | 25,3 | 11,0 |
| 12,0 | 60 | 26,1 | 65 | 16,3 | 65 | 28,8 | 65 | 25,0 | 69 | 17,4 | 69 | 27,0 | 69 | 25,1 | 72 | 17,2 | 72 | 25,0 | 72 | 24,0 | 12,0 |
| 14,0 | 54 | 20,0 | 61 | 14,4 | 61 | 22,7 | 61 | 19,3 | 65 | 15,6 | 65 | 22,0 | 65 | 20,3 | 68 | 15,2 | 68 | 20,1 | 68 | 21,7 | 14,0 |
| 16,0 | 48 | 15,8 | 56 | 12,9 | 56 | 18,3 | 56 | 15,1 | 61 | 14,1 | 61 | 17,6 | 61 | 16,0 | 65 | 13,6 | 65 | 16,8 | 65 | 18,4 | 16,0 |
| 18,0 | 42 | 12,6 | 51 | 11,7 | 51 | 15,1 | 51 | 11,9 | 57 | 12,8 | 57 | 14,4 | 57 | 12,8 | 62 | 12,3 | 62 | 13,7 | 62 | 15,1 | 18,0 |
| 20,0 | 34 | 10,1 | 46 | 10,7 | 46 | 12,6 | 46 | 9,5 | 53 | 11,8 | 53 | 11,9 | 53 | 10,4 | 58 | 11,2 | 58 | 11,2 | 58 | 12,6 | 20,0 |
| 22,0 | 24 | 8,2 | 40 | 9,8 | 40 | 10,6 | 40 | 7,6 | 49 | 10,9 | 49 | 9,9 | 49 | 8,4 | 55 | 10,3 | 55 | 9,3 | 55 | 10,6 | 22,0 |
| 24,0 | | | 33 | 9,1 | 33 | 9,0 | 33 | 6,1 | 44 | 10,1 | 44 | 8,4 | 44 | 6,9 | 51 | 9,4 | 51 | 7,7 | 51 | 9,0 | 24,0 |
| 26,0 | | | 24 | 8,5 | 24 | 7,7 | 24 | 4,8 | 39 | 9,0 | 39 | 7,0 | 39 | 5,6 | 47 | 8,7 | 47 | 6,4 | 47 | 7,7 | 26,0 |
| 28,0 | | | | | | | | | 32 | 7,8 | 32 | 5,9 | 32 | 4,5 | 42 | 7,7 | 42 | 5,3 | 42 | 6,6 | 28,0 |
| 30,0 | | | | | | | | | 25 | 6,9 | 25 | 5,0 | 25 | 3,6 | 37 | 6,7 | 37 | 4,4 | 37 | 5,6 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 32 | 5,9 | 32 | 3,6 | 32 | 4,8 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 25 | 5,2 | 25 | 2,9 | 25 | 4,1 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 15 | 4,5 | 15 | 2,2 | 15 | 3,5 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | Tel. | | | | | | | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |


The operation manual and the notes to the load rating chart have to be observed !

|  Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|
| Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789291 Counterweight 37,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
| | 26,3 | | 30,6 | | 30,6 | | 30,6 | | 35,0 | | 35,0 | | 35,0 | | 39,3 | | 39,3 | | 39,3 | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 89,1 | 650 | | | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 89,1 | 710 | 33,7 | 399 | 49,8 | 410 | 74,2 | 606 | | | | | | | | | | | | | 3,5 |
| 4,0 | 89,1 | 769 | 31,8 | 378 | 49,8 | 444 | 73,1 | 648 | | | | | | | | | | | | | 4,0 |
| 4,5 | 89,1 | 828 | 30,1 | 360 | 49,8 | 478 | 68,9 | 663 | 30,5 | 360 | 45,1 | 444 | 55,1 | 540 | | | | | | | 4,5 |
| 5,0 | 85,2 | 852 | 28,5 | 343 | 49,8 | 513 | 65,1 | 676 | 29,1 | 342 | 45,1 | 475 | 55,1 | 579 | | | | | | | 5,0 |
| 6,0 | 67,4 | 784 | 25,9 | 325 | 49,8 | 581 | 58,6 | 700 | 26,6 | 331 | 45,1 | 539 | 53,5 | 640 | 26,1 | 327 | 41,4 | 508 | 32,2 | 400 | 6,0 |
| 7,0 | 55,3 | 738 | 23,6 | 337 | 47,0 | 618 | 51,2 | 697 | 24,5 | 346 | 45,1 | 603 | 48,7 | 660 | 24,5 | 348 | 41,4 | 568 | 32,1 | 447 | 7,0 |
| 8,0 | 46,5 | 704 | 21,7 | 349 | 44,4 | 650 | 43,2 | 670 | 22,7 | 360 | 44,3 | 656 | 42,2 | 648 | 22,7 | 362 | 41,3 | 626 | 30,1 | 469 | 8,0 |
| 9,0 | 39,9 | 680 | 20,1 | 360 | 41,0 | 665 | 37,1 | 649 | 21,1 | 372 | 38,4 | 637 | 36,5 | 630 | 21,0 | 373 | 35,9 | 611 | 28,3 | 488 | 9,0 |
| 10,0 | 34,6 | 659 | 18,6 | 370 | 36,2 | 651 | 32,3 | 633 | 19,7 | 383 | 33,9 | 625 | 31,9 | 616 | 19,6 | 384 | 31,6 | 600 | 26,7 | 507 | 10,0 |
| 11,0 | 30,0 | 637 | 17,4 | 379 | 32,0 | 634 | 28,1 | 616 | 18,5 | 394 | 30,1 | 613 | 28,2 | 605 | 18,4 | 396 | 28,0 | 589 | 25,3 | 525 | 11,0 |
| 12,0 | 26,1 | 616 | 16,3 | 388 | 28,8 | 626 | 25,0 | 607 | 17,4 | 404 | 27,0 | 605 | 25,1 | 596 | 17,2 | 404 | 25,0 | 580 | 24,0 | 541 | 12,0 |
| 14,0 | 20,0 | 580 | 14,4 | 404 | 22,7 | 591 | 19,3 | 578 | 15,6 | 423 | 22,0 | 589 | 20,3 | 583 | 15,2 | 420 | 20,1 | 563 | 21,7 | 570 | 14,0 |
| 16,0 | 15,8 | 557 | 12,9 | 420 | 18,3 | 564 | 15,1 | 554 | 14,1 | 443 | 17,6 | 562 | 16,0 | 557 | 13,6 | 436 | 16,8 | 558 | 18,4 | 566 | 16,0 |
| 18,0 | 12,6 | 538 | 11,7 | 436 | 15,1 | 546 | 11,9 | 535 | 12,8 | 459 | 14,4 | 544 | 12,8 | 539 | 12,3 | 451 | 13,7 | 542 | 15,1 | 545 | 18,0 |
| 20,0 | 10,1 | 523 | 10,7 | 451 | 12,6 | 532 | 9,5 | 522 | 11,8 | 477 | 11,9 | 529 | 10,4 | 526 | 11,2 | 465 | 11,2 | 527 | 12,6 | 531 | 20,0 |
| 22,0 | 8,2 | 513 | 9,8 | 465 | 10,6 | 520 | 7,6 | 512 | 10,9 | 492 | 9,9 | 517 | 8,4 | 514 | 10,3 | 480 | 9,3 | 517 | 10,6 | 519 | 22,0 |
| 24,0 | | | 9,1 | 480 | 9,0 | 511 | 6,1 | 506 | 10,1 | 507 | 8,4 | 511 | 6,9 | 508 | 9,4 | 490 | 7,7 | 509 | 9,0 | 510 | 24,0 |
| 26,0 | | | 8,5 | 496 | 7,7 | 505 | 4,8 | 500 | 9,0 | 508 | 7,0 | 502 | 5,6 | 502 | 8,7 | 503 | 6,4 | 502 | 7,7 | 504 | 26,0 |
| 28,0 | | | | | | | | | 7,8 | 499 | 5,9 | 497 | 4,5 | 496 | 7,7 | 502 | 5,3 | 497 | 6,6 | 499 | 28,0 |
| 30,0 | | | | | | | | | 6,9 | 497 | 5,0 | 494 | 3,6 | 494 | 6,7 | 496 | 4,4 | 495 | 5,6 | 493 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 5,9 | 493 | 3,6 | 492 | 4,8 | 490 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 5,2 | 491 | 2,9 | 490 | 4,1 | 488 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 4,5 | 485 | 2,2 | 484 | 3,5 | 487 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 0 | 93 | 0 | 93 | 46 | 1 | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 46 | 2 | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 46 | 46 | 3 | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 46 | 5 | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | Working radius (m) | | | | | | | | | | |
|--------------------|------------------------|--|------|------|------|------|------|------|------|------|------|--------------------|----|------|----|------|----|------|-----|------|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 37,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | | |
| | | 43,7 | 43,7 | 43,7 | 48,0 | 48,0 | 48,0 | 52,4 | 52,4 | 56,7 | 60,0 | | | | | | | | | | | |
| | | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | | | | | | | | | |
| 3,0 | | | | | | | | | | | | | | 3,0 | | | | | | | | |
| 3,5 | | | | | | | | | | | | | | 3,5 | | | | | | | | |
| 4,0 | | | | | | | | | | | | | | 4,0 | | | | | | | | |
| 4,5 | | | | | | | | | | | | | | 4,5 | | | | | | | | |
| 5,0 | | | | | | | | | | | | | | 5,0 | | | | | | | | |
| 6,0 | 82 | 22,4 | 82 | 24,5 | 82 | 33,4 | | | | | | | | 6,0 | | | | | | | | |
| 7,0 | 81 | 22,4 | 81 | 24,5 | 81 | 33,4 | 82 | 19,5 | 82 | 26,9 | 82 | 22,3 | | 7,0 | | | | | | | | |
| 8,0 | 79 | 22,4 | 79 | 24,3 | 79 | 33,4 | 81 | 19,5 | 81 | 26,9 | 81 | 22,3 | 82 | 17,6 | 82 | 21,6 | | 8,0 | | | | |
| 9,0 | 78 | 21,6 | 78 | 22,9 | 78 | 33,4 | 80 | 19,5 | 80 | 26,9 | 80 | 22,3 | 81 | 17,6 | 81 | 21,6 | 82 | 17,0 | | 9,0 | | |
| 10,0 | 77 | 20,2 | 77 | 21,6 | 77 | 30,4 | 79 | 19,5 | 79 | 26,9 | 79 | 22,3 | 80 | 17,6 | 80 | 21,6 | 81 | 17,0 | 82 | 14,0 | 10,0 | |
| 11,0 | 75 | 19,0 | 75 | 20,4 | 75 | 27,1 | 77 | 18,8 | 77 | 26,0 | 77 | 21,6 | 79 | 17,6 | 79 | 21,2 | 80 | 17,0 | 81 | 14,0 | 11,0 | |
| 12,0 | 74 | 17,9 | 74 | 19,3 | 74 | 24,1 | 76 | 18,1 | 76 | 23,7 | 76 | 21,0 | 78 | 17,6 | 78 | 20,9 | 79 | 17,0 | 80 | 14,0 | 12,0 | |
| 14,0 | 71 | 16,1 | 71 | 17,5 | 71 | 19,7 | 74 | 16,4 | 74 | 19,3 | 74 | 19,1 | 75 | 16,6 | 75 | 19,2 | 77 | 16,4 | 78 | 14,0 | 14,0 | |
| 16,0 | 68 | 14,5 | 68 | 16,0 | 68 | 16,4 | 71 | 14,9 | 71 | 16,1 | 71 | 17,2 | 73 | 15,2 | 73 | 17,5 | 75 | 15,1 | 76 | 14,0 | 16,0 | |
| 18,0 | 65 | 13,2 | 65 | 14,7 | 65 | 13,6 | 68 | 13,7 | 68 | 13,6 | 68 | 14,7 | 71 | 14,0 | 71 | 14,3 | 73 | 13,8 | 74 | 13,0 | 18,0 | |
| 20,0 | 62 | 12,1 | 62 | 13,0 | 62 | 11,2 | 66 | 12,6 | 66 | 11,4 | 66 | 12,3 | 68 | 12,8 | 68 | 11,8 | 70 | 11,9 | 72 | 11,7 | 20,0 | |
| 22,0 | 59 | 11,1 | 59 | 11,0 | 59 | 9,2 | 63 | 11,2 | 63 | 9,5 | 63 | 10,4 | 66 | 10,9 | 66 | 9,9 | 68 | 10,1 | 70 | 10,2 | 22,0 | |
| 24,0 | 56 | 10,0 | 56 | 9,4 | 56 | 7,7 | 60 | 9,6 | 60 | 7,9 | 60 | 8,8 | 63 | 9,2 | 63 | 8,3 | 66 | 8,5 | 68 | 8,8 | 24,0 | |
| 26,0 | 53 | 8,7 | 53 | 8,0 | 53 | 6,4 | 57 | 8,3 | 57 | 6,6 | 57 | 7,5 | 61 | 7,9 | 61 | 6,9 | 64 | 7,2 | 66 | 7,4 | 26,0 | |
| 28,0 | 49 | 7,5 | 49 | 6,9 | 49 | 5,3 | 54 | 7,2 | 54 | 5,5 | 54 | 6,4 | 58 | 6,8 | 58 | 5,8 | 61 | 6,1 | 64 | 6,3 | 28,0 | |
| 30,0 | 45 | 6,6 | 45 | 6,0 | 45 | 4,3 | 51 | 6,2 | 51 | 4,5 | 51 | 5,4 | 55 | 5,9 | 55 | 4,9 | 59 | 5,1 | 61 | 5,4 | 30,0 | |
| 32,0 | 41 | 5,7 | 41 | 5,2 | 41 | 3,5 | 48 | 5,4 | 48 | 3,7 | 48 | 4,6 | 52 | 5,0 | 52 | 4,1 | 56 | 4,3 | 59 | 4,6 | 32,0 | |
| 34,0 | 37 | 5,0 | 37 | 4,4 | 37 | 2,8 | 44 | 4,7 | 44 | 3,0 | 44 | 3,9 | 50 | 4,3 | 50 | 3,4 | 54 | 3,6 | 57 | 3,9 | 34,0 | |
| 36,0 | 31 | 4,4 | 31 | 3,8 | 31 | 2,2 | 40 | 4,0 | 40 | 2,4 | 40 | 3,3 | 46 | 3,7 | 46 | 2,8 | 51 | 2,9 | 54 | 3,2 | 36,0 | |
| 38,0 | 25 | 3,8 | 25 | 3,3 | 25 | 1,7 | 36 | 3,5 | 36 | 1,9 | 36 | 2,7 | 43 | 3,1 | 43 | 2,2 | 48 | 2,4 | 52 | 2,7 | 38,0 | |
| 40,0 | 16 | 3,3 | 16 | 2,8 | | | 31 | 3,0 | | | 31 | 2,2 | 39 | 2,6 | 39 | 1,7 | 45 | 1,9 | 49 | 2,2 | 40,0 | |
| 42,0 | | | | | | | 26 | 2,5 | | | 26 | 1,8 | 36 | 2,2 | 36 | 1,3 | 42 | 1,4 | 46 | 1,8 | 42,0 | |
| 44,0 | | | | | | | 18 | 2,1 | | | 18 | 1,4 | 31 | 1,8 | | | | 43 | 1,4 | 44,0 | 44,0 | |
| 46,0 | | | | | | | | | | | | | 26 | 1,4 | | | | | | | 46,0 | 46,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | Tel. | | | | | | | | | | | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 100 | 5 | | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !

|  Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|------|
| Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789291 Counterweight 37,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) | |
| | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | 60,0 | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 22,4 | 325 | 24,5 | 318 | 33,4 | 426 | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 22,4 | 325 | 24,5 | 356 | 33,4 | 476 | 19,5 | 303 | 26,9 | 400 | 22,3 | 400 | | | | | | | | | | 7,0 |
| 8,0 | 22,4 | 360 | 24,3 | 391 | 33,4 | 527 | 19,5 | 327 | 26,9 | 442 | 22,3 | 442 | 17,6 | 308 | 21,6 | 370 | | | | | | 8,0 |
| 9,0 | 21,6 | 383 | 22,9 | 409 | 33,4 | 577 | 19,5 | 359 | 26,9 | 484 | 22,3 | 484 | 17,6 | 337 | 21,6 | 406 | 17,0 | 336 | | | | 9,0 |
| 10,0 | 20,2 | 395 | 21,6 | 425 | 30,4 | 582 | 19,5 | 390 | 26,9 | 526 | 22,3 | 526 | 17,6 | 367 | 21,6 | 441 | 17,0 | 365 | 14,0 | 336 | | 10,0 |
| 11,0 | 19,0 | 407 | 20,4 | 440 | 27,1 | 575 | 18,8 | 410 | 26,0 | 554 | 21,6 | 554 | 17,6 | 396 | 21,2 | 470 | 17,0 | 394 | 14,0 | 365 | 14,0 | 11,0 |
| 12,0 | 17,9 | 419 | 19,3 | 453 | 24,1 | 565 | 18,1 | 428 | 23,7 | 555 | 21,0 | 555 | 17,6 | 425 | 20,9 | 495 | 17,0 | 424 | 14,0 | 394 | 14,0 | 12,0 |
| 14,0 | 16,1 | 441 | 17,5 | 480 | 19,7 | 556 | 16,4 | 454 | 19,3 | 544 | 19,1 | 544 | 16,6 | 464 | 19,2 | 535 | 16,4 | 470 | 14,0 | 424 | 14,0 | 14,0 |
| 16,0 | 14,5 | 459 | 16,0 | 505 | 16,4 | 550 | 14,9 | 475 | 16,1 | 539 | 17,2 | 539 | 15,2 | 490 | 17,5 | 562 | 15,1 | 498 | 14,0 | 470 | 14,0 | 16,0 |
| 18,0 | 13,2 | 476 | 14,7 | 528 | 13,6 | 540 | 13,7 | 497 | 13,6 | 535 | 14,7 | 535 | 14,0 | 513 | 14,3 | 544 | 13,8 | 520 | 13,0 | 498 | 14,0 | 18,0 |
| 20,0 | 12,1 | 493 | 13,0 | 533 | 11,2 | 528 | 12,6 | 516 | 11,4 | 528 | 12,3 | 528 | 12,8 | 531 | 11,8 | 529 | 11,9 | 520 | 11,7 | 520 | 11,7 | 20,0 |
| 22,0 | 11,1 | 507 | 11,0 | 521 | 9,2 | 516 | 11,2 | 521 | 9,5 | 519 | 10,4 | 519 | 10,9 | 522 | 9,9 | 520 | 10,1 | 513 | 10,2 | 520 | 10,2 | 22,0 |
| 24,0 | 10,0 | 514 | 9,4 | 513 | 7,7 | 510 | 9,6 | 512 | 7,9 | 510 | 8,8 | 510 | 9,2 | 510 | 8,3 | 511 | 8,5 | 503 | 8,8 | 513 | 8,8 | 24,0 |
| 26,0 | 8,7 | 508 | 8,0 | 504 | 6,4 | 504 | 8,3 | 506 | 6,6 | 504 | 7,5 | 504 | 7,9 | 504 | 6,9 | 502 | 7,2 | 497 | 7,4 | 503 | 7,4 | 26,0 |
| 28,0 | 7,5 | 499 | 6,9 | 499 | 5,3 | 499 | 7,2 | 501 | 5,5 | 499 | 6,4 | 499 | 6,8 | 499 | 5,8 | 467 | 6,1 | 491 | 6,3 | 497 | 6,3 | 28,0 |
| 30,0 | 6,6 | 497 | 6,0 | 496 | 4,3 | 492 | 6,2 | 495 | 4,5 | 492 | 5,4 | 492 | 5,9 | 497 | 4,9 | 494 | 5,1 | 484 | 5,4 | 491 | 5,4 | 30,0 |
| 32,0 | 5,7 | 490 | 5,2 | 493 | 3,5 | 489 | 5,4 | 492 | 3,7 | 489 | 4,6 | 489 | 5,0 | 490 | 4,1 | 491 | 4,3 | 481 | 4,6 | 484 | 4,6 | 32,0 |
| 34,0 | 5,0 | 488 | 4,4 | 487 | 2,8 | 487 | 4,7 | 490 | 3,0 | 487 | 3,9 | 487 | 4,3 | 487 | 3,4 | 489 | 3,6 | 478 | 3,9 | 481 | 3,9 | 34,0 |
| 36,0 | 4,4 | 487 | 3,8 | 486 | 2,2 | 486 | 4,0 | 484 | 2,4 | 486 | 3,3 | 486 | 3,7 | 486 | 2,8 | 488 | 2,9 | 472 | 3,2 | 478 | 3,2 | 36,0 |
| 38,0 | 3,8 | 483 | 3,3 | 486 | 1,7 | 487 | 3,5 | 485 | 1,9 | 487 | 2,7 | 487 | 3,1 | 482 | 2,2 | 484 | 2,4 | 472 | 2,7 | 472 | 2,7 | 38,0 |
| 40,0 | 3,3 | 481 | 2,8 | 485 | | | 3,0 | 484 | | | 2,2 | | 2,6 | 480 | 1,7 | 482 | 1,9 | 470 | 2,2 | 472 | 2,2 | 40,0 |
| 42,0 | | | | | | | 2,5 | 479 | | | 1,8 | | 2,2 | 482 | 1,3 | 483 | 1,4 | 465 | 1,8 | 470 | 1,8 | 42,0 |
| 44,0 | | | | | | | 2,1 | 479 | | | 1,4 | | 1,8 | 481 | | | | | 1,4 | 465 | 1,4 | 44,0 |
| 46,0 | | | | | | | | | | | | | 1,4 | 478 | | | | | | | | 46,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 93 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 46 | 93 | 5 | | | | | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

| Working radius (m) | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 25,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | Working radius (m) | | | | | | | |
|--------------------|---|--------|--------|----|------|----|--------|----|------|----|------|----|--------------------|------|-------|------|------|----|------|------|
| | Boom length (m) | | | | | | | | | | | | | | | | | | | |
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | | 26,3 | | 26,3 | | | | |
| | ∠ | 1) | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | | |
| 3,0 | 70 | 160,0* | 140,0* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 |
| 3,5 | 68 | 149,8* | 129,0* | 74 | 50,8 | 74 | 120,0* | 77 | 36,8 | 77 | 54,6 | 77 | 115,6* | 77 | 101,2 | 80 | 38,5 | 80 | 52,9 | 3,5 |
| 4,0 | 65 | 128,9* | 119,2* | 72 | 48,4 | 72 | 120,0* | 76 | 34,8 | 76 | 52,3 | 76 | 115,6* | 76 | 101,2 | 79 | 36,7 | 79 | 52,9 | 4,0 |
| 4,5 | 63 | 114,7* | 114,0* | 70 | 46,2 | 70 | 114,5* | 75 | 33,0 | 75 | 50,3 | 75 | 113,8* | 75 | 100,3 | 78 | 35,0 | 78 | 52,9 | 4,5 |
| 5,0 | 60 | 103,2 | 103,2 | 69 | 44,2 | 69 | 103,1 | 73 | 31,3 | 73 | 48,3 | 73 | 102,4 | 73 | 95,3 | 77 | 33,3 | 77 | 51,1 | 5,0 |
| 6,0 | 55 | 85,8 | 85,8 | 65 | 40,7 | 65 | 85,6 | 71 | 28,4 | 71 | 44,9 | 71 | 85,0 | 71 | 86,2 | 74 | 30,3 | 74 | 47,8 | 6,0 |
| 7,0 | 49 | 73,1 | 73,1 | 61 | 37,7 | 61 | 72,9 | 68 | 26,0 | 68 | 41,7 | 68 | 72,3 | 68 | 73,5 | 72 | 27,7 | 72 | 44,8 | 7,0 |
| 8,0 | 42 | 63,5 | 63,5 | 57 | 35,2 | 57 | 63,3 | 65 | 24,0 | 65 | 38,4 | 65 | 62,7 | 65 | 63,8 | 70 | 25,5 | 70 | 42,2 | 8,0 |
| 9,0 | 34 | 54,7 | 54,7 | 53 | 33,0 | 53 | 54,5 | 62 | 22,2 | 62 | 35,6 | 62 | 53,7 | 62 | 55,7 | 67 | 23,6 | 67 | 39,4 | 9,0 |
| 10,0 | 23 | 45,0 | 45,0 | 48 | 31,1 | 48 | 45,0 | 59 | 20,7 | 59 | 33,2 | 59 | 44,2 | 59 | 46,0 | 65 | 21,9 | 65 | 36,9 | 10,0 |
| 11,0 | | | | 43 | 29,5 | 43 | 37,9 | 55 | 19,4 | 55 | 31,2 | 55 | 37,2 | 55 | 38,9 | 62 | 20,5 | 62 | 34,7 | 11,0 |
| 12,0 | | | | 38 | 28,0 | 38 | 32,7 | 52 | 18,2 | 52 | 29,2 | 52 | 32,0 | 52 | 33,7 | 60 | 19,2 | 60 | 32,6 | 12,0 |
| 14,0 | | | | 24 | 26,0 | 24 | 24,9 | 44 | 16,3 | 44 | 26,1 | 44 | 24,2 | 44 | 25,8 | 54 | 17,1 | 54 | 28,3 | 14,0 |
| 16,0 | | | | | | | | 36 | 14,8 | 36 | 22,5 | 36 | 18,7 | 36 | 20,2 | 48 | 15,4 | 48 | 22,7 | 16,0 |
| 18,0 | | | | | | | | 24 | 13,6 | 24 | 18,3 | 24 | 14,7 | 24 | 16,1 | 42 | 14,0 | 42 | 18,5 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | 34 | 12,9 | 34 | 15,4 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | 24 | 12,0 | 24 | 13,0 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | 48,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | Tel. | | | | | | | |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 3 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 46 | 0 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 4 |
| 5 | 0 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 0 | 0 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 0 | 5 |

1) Over rear with superstructure locking pin engaged.

* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789292

Counterweight 25,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|------|-----|------|-----|--------------------|
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 160,0 | 894 | 140,0 | 913 | 53,3 | 408 | 120,0 | 799 | 39,0 | 323 | 54,6 | 411 | 115,6 | 776 | 101,2 | 688 | 40,5 | 327 | 52,9 | 401 | 3,0 |
| 3,5 | 149,8 | 891 | 129,0 | 913 | 50,8 | 420 | 120,0 | 858 | 36,8 | 329 | 54,6 | 439 | 115,6 | 833 | 101,2 | 738 | 38,5 | 335 | 52,9 | 428 | 3,5 |
| 4,0 | 128,9 | 826 | 119,2 | 911 | 48,4 | 431 | 120,0 | 917 | 34,8 | 335 | 52,3 | 452 | 115,6 | 891 | 101,2 | 788 | 36,7 | 344 | 52,9 | 455 | 4,0 |
| 4,5 | 114,7 | 786 | 114,0 | 933 | 46,2 | 441 | 114,5 | 937 | 33,0 | 342 | 50,3 | 465 | 113,8 | 935 | 100,3 | 832 | 35,0 | 351 | 52,9 | 482 | 4,5 |
| 5,0 | 103,2 | 754 | 103,2 | 907 | 44,2 | 451 | 103,1 | 907 | 31,3 | 347 | 48,3 | 476 | 102,4 | 905 | 95,3 | 844 | 33,3 | 357 | 51,1 | 496 | 5,0 |
| 6,0 | 85,8 | 706 | 85,8 | 862 | 40,7 | 468 | 85,6 | 861 | 28,4 | 357 | 44,9 | 498 | 85,0 | 860 | 86,2 | 861 | 30,3 | 367 | 47,8 | 521 | 6,0 |
| 7,0 | 73,1 | 672 | 73,1 | 830 | 37,7 | 484 | 72,9 | 829 | 26,0 | 367 | 41,7 | 515 | 72,3 | 828 | 73,5 | 829 | 27,7 | 376 | 44,8 | 543 | 7,0 |
| 8,0 | 63,5 | 646 | 63,5 | 806 | 35,2 | 500 | 63,3 | 805 | 24,0 | 376 | 38,4 | 525 | 62,7 | 804 | 63,8 | 804 | 25,5 | 384 | 42,2 | 562 | 8,0 |
| 9,0 | 54,7 | 616 | 54,7 | 774 | 33,0 | 515 | 54,5 | 773 | 22,2 | 384 | 35,6 | 535 | 53,7 | 769 | 55,7 | 779 | 23,6 | 392 | 39,4 | 576 | 9,0 |
| 10,0 | 45,0 | 568 | 45,0 | 714 | 31,1 | 529 | 45,0 | 716 | 20,7 | 392 | 33,2 | 545 | 44,2 | 712 | 46,0 | 720 | 21,9 | 398 | 36,9 | 588 | 10,0 |
| 11,0 | | | | | 29,5 | 543 | 37,9 | 673 | 19,4 | 401 | 31,2 | 555 | 37,2 | 670 | 38,9 | 677 | 20,5 | 406 | 34,7 | 599 | 11,0 |
| 12,0 | | | | | 28,0 | 556 | 32,7 | 643 | 18,2 | 408 | 29,2 | 562 | 32,0 | 640 | 33,7 | 648 | 19,2 | 412 | 32,6 | 608 | 12,0 |
| 14,0 | | | | | 26,0 | 590 | 24,9 | 597 | 16,3 | 424 | 26,1 | 579 | 24,2 | 593 | 25,8 | 601 | 17,1 | 425 | 28,3 | 612 | 14,0 |
| 16,0 | | | | | | | | | 14,8 | 439 | 22,5 | 576 | 18,7 | 559 | 20,2 | 565 | 15,4 | 437 | 22,7 | 577 | 16,0 |
| 18,0 | | | | | | | | | 13,6 | 456 | 18,3 | 548 | 14,7 | 533 | 16,1 | 538 | 14,0 | 449 | 18,5 | 549 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | | 12,9 | 463 | 15,4 | 529 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | | 12,0 | 477 | 13,0 | 515 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | 48,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | | 0 | | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 1 |
| 2 | | 0 | | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 2 |
| 3 | | 0 | | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 3 |
| 4 | | 0 | | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 4 |
| 5 | | 0 | | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 93 | | 46 | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition,
 dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | Working radius (m) | | | | | | | | | |
|--------------------|------------------------|---|------|------|------|------|------|------|------|------|------|--------------------|----|------|-----|------|----|------|----|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 25,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | |
| | | 26,3 | 30,6 | 30,6 | 30,6 | 35,0 | 35,0 | 35,0 | 39,3 | 39,3 | 39,3 | | | | | | | | | | |
| | | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | | | | | | |
| 3,0 | 81 | 89,1 | | | | | | | | | | | | | 3,0 | | | | | | |
| 3,5 | 80 | 89,1 | 82 | 33,7 | 82 | 49,8 | 82 | 74,2 | | | | | | | 3,5 | | | | | | |
| 4,0 | 79 | 89,1 | 81 | 31,8 | 81 | 49,8 | 81 | 73,1 | | | | | | | 4,0 | | | | | | |
| 4,5 | 78 | 89,1 | 80 | 30,1 | 80 | 49,8 | 80 | 68,9 | 82 | 30,5 | 82 | 45,1 | 82 | 55,1 | 4,5 | | | | | | |
| 5,0 | 77 | 89,1 | 79 | 28,5 | 79 | 49,8 | 79 | 65,1 | 81 | 29,1 | 81 | 45,1 | 81 | 55,1 | 5,0 | | | | | | |
| 6,0 | 74 | 85,5 | 77 | 25,9 | 77 | 49,8 | 77 | 58,6 | 79 | 26,6 | 79 | 45,1 | 79 | 53,5 | 81 | 26,1 | 81 | 41,4 | 81 | 32,2 | 6,0 |
| 7,0 | 72 | 72,8 | 75 | 23,6 | 75 | 47,0 | 75 | 53,2 | 77 | 24,5 | 77 | 45,1 | 77 | 48,7 | 79 | 24,5 | 79 | 41,4 | 79 | 32,1 | 7,0 |
| 8,0 | 70 | 63,2 | 73 | 21,7 | 73 | 44,4 | 73 | 48,6 | 76 | 22,7 | 76 | 45,1 | 76 | 44,7 | 78 | 22,7 | 78 | 41,4 | 78 | 30,1 | 8,0 |
| 9,0 | 67 | 54,8 | 71 | 20,1 | 71 | 42,2 | 71 | 44,7 | 74 | 21,1 | 74 | 43,6 | 74 | 41,2 | 76 | 21,0 | 76 | 38,4 | 76 | 28,3 | 9,0 |
| 10,0 | 65 | 45,2 | 69 | 18,6 | 69 | 39,8 | 69 | 41,4 | 72 | 19,7 | 72 | 41,6 | 72 | 38,1 | 75 | 19,6 | 75 | 35,7 | 75 | 26,7 | 10,0 |
| 11,0 | 62 | 38,1 | 67 | 17,4 | 67 | 37,7 | 67 | 37,3 | 70 | 18,5 | 70 | 39,6 | 70 | 35,6 | 73 | 18,4 | 73 | 33,4 | 73 | 25,3 | 11,0 |
| 12,0 | 60 | 32,9 | 65 | 16,3 | 65 | 35,6 | 65 | 32,1 | 69 | 17,4 | 69 | 35,2 | 69 | 33,1 | 72 | 17,2 | 72 | 31,2 | 72 | 24,0 | 12,0 |
| 14,0 | 54 | 25,1 | 61 | 14,4 | 61 | 28,0 | 61 | 24,3 | 65 | 15,6 | 65 | 27,2 | 65 | 25,3 | 68 | 15,2 | 68 | 26,4 | 68 | 21,7 | 14,0 |
| 16,0 | 48 | 19,5 | 56 | 12,9 | 56 | 22,3 | 56 | 18,8 | 61 | 14,1 | 61 | 21,6 | 61 | 19,7 | 65 | 13,6 | 65 | 20,8 | 65 | 19,9 | 16,0 |
| 18,0 | 42 | 15,5 | 51 | 11,7 | 51 | 18,2 | 51 | 14,8 | 57 | 12,8 | 57 | 17,4 | 57 | 15,7 | 62 | 12,3 | 62 | 16,7 | 62 | 18,2 | 18,0 |
| 20,0 | 34 | 12,5 | 46 | 10,7 | 46 | 15,1 | 46 | 11,8 | 53 | 11,8 | 53 | 14,4 | 53 | 12,7 | 58 | 11,2 | 58 | 13,6 | 58 | 15,1 | 20,0 |
| 22,0 | 24 | 10,1 | 40 | 9,8 | 40 | 12,7 | 40 | 9,5 | 49 | 10,9 | 49 | 12,0 | 49 | 10,4 | 55 | 10,3 | 55 | 11,3 | 55 | 12,7 | 22,0 |
| 24,0 | | | 33 | 9,1 | 33 | 10,8 | 33 | 7,7 | 44 | 10,1 | 44 | 10,1 | 44 | 8,5 | 51 | 9,4 | 51 | 9,4 | 51 | 10,8 | 24,0 |
| 26,0 | | | 24 | 8,5 | 24 | 9,2 | 24 | 6,2 | 39 | 9,4 | 39 | 8,5 | 39 | 7,0 | 47 | 8,7 | 47 | 7,9 | 47 | 9,2 | 26,0 |
| 28,0 | | | | | | | | | 32 | 8,9 | 32 | 7,2 | 32 | 5,7 | 42 | 8,1 | 42 | 6,6 | 42 | 7,9 | 28,0 |
| 30,0 | | | | | | | | | 25 | 8,1 | 25 | 6,2 | 25 | 4,7 | 37 | 7,6 | 37 | 5,5 | 37 | 6,8 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 32 | 7,0 | 32 | 4,6 | 32 | 5,9 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 25 | 6,2 | 25 | 3,8 | 25 | 5,1 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 15 | 5,4 | 15 | 3,1 | 15 | 4,3 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | 48,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | Tel. | | | | | | | | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)

Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
load rating chart 99707789292

Counterweight 25,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) | | |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|-----|------|
| | 26,3 | | 30,6 | | 30,6 | | 30,6 | | 35,0 | | 35,0 | | 35,0 | | 39,3 | | 39,3 | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | |
| 3,0 | 89,1 | 621 | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | 89,1 | 666 | 33,7 | 308 | 49,8 | 410 | 74,2 | 577 | | | | | | | | | | | | 3,5 | |
| 4,0 | 89,1 | 711 | 31,8 | 310 | 49,8 | 436 | 73,1 | 608 | | | | | | | | | | | | 4,0 | |
| 4,5 | 89,1 | 756 | 30,1 | 315 | 49,8 | 462 | 68,9 | 616 | 30,5 | 317 | 45,1 | 433 | 55,1 | 513 | | | | | | 4,5 | |
| 5,0 | 89,1 | 800 | 28,5 | 320 | 49,8 | 488 | 65,1 | 623 | 29,1 | 323 | 45,1 | 457 | 55,1 | 542 | | | | | | 5,0 | |
| 6,0 | 85,5 | 860 | 25,9 | 329 | 49,8 | 540 | 58,6 | 636 | 26,6 | 334 | 45,1 | 505 | 53,5 | 587 | 26,1 | 331 | 41,4 | 478 | 32,2 | 391 | 6,0 |
| 7,0 | 72,8 | 827 | 23,6 | 337 | 47,0 | 565 | 53,2 | 648 | 24,5 | 343 | 45,1 | 553 | 48,7 | 599 | 24,5 | 345 | 41,4 | 524 | 32,1 | 426 | 7,0 |
| 8,0 | 63,2 | 803 | 21,7 | 344 | 44,4 | 588 | 48,6 | 658 | 22,7 | 353 | 45,1 | 601 | 44,7 | 610 | 22,7 | 354 | 41,4 | 569 | 30,1 | 440 | 8,0 |
| 9,0 | 54,8 | 774 | 20,1 | 351 | 42,2 | 610 | 44,7 | 667 | 21,1 | 361 | 43,6 | 632 | 41,2 | 620 | 21,0 | 361 | 38,4 | 580 | 28,3 | 454 | 9,0 |
| 10,0 | 45,2 | 716 | 18,6 | 357 | 39,8 | 626 | 41,4 | 677 | 19,7 | 368 | 41,6 | 655 | 38,1 | 628 | 19,6 | 369 | 35,7 | 590 | 26,7 | 467 | 10,0 |
| 11,0 | 38,1 | 674 | 17,4 | 364 | 37,7 | 641 | 37,3 | 670 | 18,5 | 376 | 39,6 | 674 | 35,6 | 639 | 18,4 | 377 | 33,4 | 600 | 25,3 | 479 | 11,0 |
| 12,0 | 32,9 | 644 | 16,3 | 370 | 35,6 | 653 | 32,1 | 641 | 17,4 | 383 | 35,2 | 655 | 33,1 | 645 | 17,2 | 382 | 31,2 | 608 | 24,0 | 491 | 12,0 |
| 14,0 | 25,1 | 598 | 14,4 | 380 | 28,0 | 611 | 24,3 | 594 | 15,6 | 397 | 27,2 | 607 | 25,3 | 598 | 15,2 | 393 | 26,4 | 604 | 21,7 | 511 | 14,0 |
| 16,0 | 19,5 | 562 | 12,9 | 391 | 22,3 | 574 | 18,8 | 559 | 14,1 | 409 | 21,6 | 572 | 19,7 | 562 | 13,6 | 403 | 20,8 | 569 | 19,9 | 532 | 16,0 |
| 18,0 | 15,5 | 537 | 11,7 | 402 | 18,2 | 548 | 14,8 | 534 | 12,8 | 420 | 17,4 | 544 | 15,7 | 537 | 12,3 | 414 | 16,7 | 542 | 18,2 | 548 | 18,0 |
| 20,0 | 12,5 | 518 | 10,7 | 413 | 15,1 | 528 | 11,8 | 515 | 11,8 | 433 | 14,4 | 526 | 12,7 | 518 | 11,2 | 424 | 13,6 | 522 | 15,1 | 528 | 20,0 |
| 22,0 | 10,1 | 502 | 9,8 | 423 | 12,7 | 513 | 9,5 | 501 | 10,9 | 444 | 12,0 | 511 | 10,4 | 505 | 10,3 | 434 | 11,3 | 508 | 12,7 | 513 | 22,0 |
| 24,0 | | | 9,1 | 434 | 10,8 | 502 | 7,7 | 491 | 10,1 | 455 | 10,1 | 499 | 8,5 | 493 | 9,4 | 442 | 9,4 | 497 | 10,8 | 501 | 24,0 |
| 26,0 | | | 8,5 | 445 | 9,2 | 492 | 6,2 | 483 | 9,4 | 465 | 8,5 | 489 | 7,0 | 485 | 8,7 | 451 | 7,9 | 489 | 9,2 | 491 | 26,0 |
| 28,0 | | | | | | | | | 8,9 | 479 | 7,2 | 481 | 5,7 | 477 | 8,1 | 461 | 6,6 | 481 | 7,9 | 484 | 28,0 |
| 30,0 | | | | | | | | | 8,1 | 481 | 6,2 | 475 | 4,7 | 474 | 7,6 | 471 | 5,5 | 475 | 6,8 | 477 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 7,0 | 477 | 4,6 | 471 | 5,9 | 474 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 6,2 | 473 | 3,8 | 467 | 5,1 | 470 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 5,4 | 467 | 3,1 | 464 | 4,3 | 463 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| 46,0 | | | | | | | | | | | | | | | | | | | | | 46,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | | | 48,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 1 | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 3 | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 5 | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 25,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | Working radius (m) | | | | | | | | | |
|--------------------|------------------------|---|----|------|----|------|----|------|----|------|----|------|----|--------------------|----|------|----|------|----|------|------|------|--|
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | | | |
| | | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | 60,0 | | | |
| | | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | 3,5 | |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | 4,0 | |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | 4,5 | |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | 5,0 | |
| 6,0 | 82 | 22,4 | 82 | 24,5 | 82 | 33,4 | | | | | | | | | | | | | | | | 6,0 | |
| 7,0 | 81 | 22,4 | 81 | 24,5 | 81 | 33,4 | 82 | 19,5 | 82 | 26,9 | 82 | 22,3 | | | | | | | | | | 7,0 | |
| 8,0 | 79 | 22,4 | 79 | 24,3 | 79 | 33,4 | 81 | 19,5 | 81 | 26,9 | 81 | 22,3 | 82 | 17,6 | 82 | 21,6 | | | | | | 8,0 | |
| 9,0 | 78 | 21,6 | 78 | 22,9 | 78 | 33,4 | 80 | 19,5 | 80 | 26,9 | 80 | 22,3 | 81 | 17,6 | 81 | 21,6 | 82 | 17,0 | | | | 9,0 | |
| 10,0 | 77 | 20,2 | 77 | 21,6 | 77 | 32,3 | 79 | 19,5 | 79 | 26,9 | 79 | 22,3 | 80 | 17,6 | 80 | 21,6 | 81 | 17,0 | 82 | 14,0 | | 10,0 | |
| 11,0 | 75 | 19,0 | 75 | 20,4 | 75 | 30,3 | 77 | 18,8 | 77 | 26,0 | 77 | 21,6 | 79 | 17,6 | 79 | 21,2 | 80 | 17,0 | 81 | 14,0 | | 11,0 | |
| 12,0 | 74 | 17,9 | 74 | 19,3 | 74 | 28,3 | 76 | 18,1 | 76 | 25,1 | 76 | 21,0 | 78 | 17,6 | 78 | 20,9 | 79 | 17,0 | 80 | 14,0 | | 12,0 | |
| 14,0 | 71 | 16,1 | 71 | 17,5 | 71 | 25,2 | 74 | 16,4 | 74 | 22,9 | 74 | 19,1 | 75 | 16,6 | 75 | 19,2 | 77 | 16,4 | 78 | 14,0 | | 14,0 | |
| 16,0 | 68 | 14,5 | 68 | 16,0 | 68 | 20,7 | 71 | 14,9 | 71 | 21,0 | 71 | 17,4 | 73 | 15,2 | 73 | 17,6 | 75 | 15,1 | 76 | 14,0 | | 16,0 | |
| 18,0 | 65 | 13,2 | 65 | 14,7 | 65 | 16,6 | 68 | 13,7 | 68 | 16,9 | 68 | 16,0 | 71 | 14,0 | 71 | 16,3 | 73 | 14,0 | 74 | 13,0 | | 18,0 | |
| 20,0 | 62 | 12,1 | 62 | 13,6 | 62 | 13,6 | 66 | 12,6 | 66 | 13,8 | 66 | 14,8 | 68 | 13,0 | 68 | 14,3 | 70 | 13,0 | 72 | 12,2 | | 20,0 | |
| 22,0 | 59 | 11,1 | 59 | 12,6 | 59 | 11,2 | 63 | 11,7 | 63 | 11,5 | 63 | 12,4 | 66 | 12,1 | 66 | 11,9 | 68 | 12,2 | 70 | 11,4 | | 22,0 | |
| 24,0 | 56 | 10,3 | 56 | 11,2 | 56 | 9,3 | 60 | 10,8 | 60 | 9,6 | 60 | 10,5 | 63 | 11,0 | 63 | 10,0 | 66 | 10,5 | 68 | 10,5 | | 24,0 | |
| 26,0 | 53 | 9,6 | 53 | 9,6 | 53 | 7,8 | 57 | 9,9 | 57 | 8,0 | 57 | 9,0 | 61 | 9,5 | 61 | 8,4 | 64 | 8,9 | 66 | 9,0 | | 26,0 | |
| 28,0 | 49 | 8,9 | 49 | 8,3 | 49 | 6,5 | 54 | 8,5 | 54 | 6,8 | 54 | 7,7 | 58 | 8,2 | 58 | 7,1 | 61 | 7,6 | 64 | 7,7 | | 28,0 | |
| 30,0 | 45 | 7,8 | 45 | 7,2 | 45 | 5,5 | 51 | 7,4 | 51 | 5,7 | 51 | 6,6 | 55 | 7,1 | 55 | 6,1 | 59 | 6,5 | 61 | 6,6 | | 30,0 | |
| 32,0 | 41 | 6,8 | 41 | 6,2 | 41 | 4,5 | 48 | 6,5 | 48 | 4,7 | 48 | 5,6 | 52 | 6,1 | 52 | 5,1 | 56 | 5,6 | 59 | 5,6 | | 32,0 | |
| 34,0 | 37 | 6,0 | 37 | 5,4 | 37 | 3,7 | 44 | 5,7 | 44 | 3,9 | 44 | 4,8 | 50 | 5,3 | 50 | 4,3 | 54 | 4,8 | 57 | 4,8 | | 34,0 | |
| 36,0 | 31 | 5,3 | 31 | 4,7 | 31 | 3,0 | 40 | 4,9 | 40 | 3,2 | 40 | 4,1 | 46 | 4,6 | 46 | 3,6 | 51 | 4,1 | 54 | 4,1 | | 36,0 | |
| 38,0 | 25 | 4,7 | 25 | 4,1 | 25 | 2,4 | 36 | 4,3 | 36 | 2,6 | 36 | 3,5 | 43 | 3,9 | 43 | 3,0 | 48 | 3,5 | 52 | 3,5 | | 38,0 | |
| 40,0 | 16 | 4,1 | 16 | 3,5 | 16 | 1,9 | 31 | 3,7 | 31 | 2,1 | 31 | 2,9 | 39 | 3,4 | 39 | 2,4 | 45 | 2,9 | 49 | 2,9 | | 40,0 | |
| 42,0 | | | | | | | 26 | 3,2 | 26 | 1,6 | 26 | 2,4 | 36 | 2,9 | 36 | 2,0 | 42 | 2,4 | 46 | 2,4 | | 42,0 | |
| 44,0 | | | | | | | 18 | 2,8 | 18 | 1,1 | 18 | 2,0 | 31 | 2,4 | 31 | 1,5 | 39 | 2,0 | 43 | 2,0 | | 44,0 | |
| 46,0 | | | | | | | | | | | | | 26 | 2,0 | 26 | 1,1 | 35 | 1,6 | 40 | 1,6 | | 46,0 | |
| 48,0 | | | | | | | | | | | | | 19 | 1,7 | | | 31 | 1,2 | 37 | 1,2 | | 48,0 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 100 | 5 | | | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
load rating chart 99707789292


Counterweight 25,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | Working radius (m) | | | | | |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|------|------|------|------|------|
| | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | | 56,7 | | 60,0 | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | m | F | m | F | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 22,4 | 300 | 24,5 | 323 | 33,4 | 411 | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 22,4 | 326 | 24,5 | 351 | 33,4 | 449 | 19,5 | 302 | 26,9 | 386 | 22,3 | 335 | | | | | | | | | | 7,0 |
| 8,0 | 22,4 | 352 | 24,3 | 378 | 33,4 | 487 | 19,5 | 326 | 26,9 | 418 | 22,3 | 362 | 17,6 | 310 | 21,6 | 360 | | | | | | 8,0 |
| 9,0 | 21,6 | 369 | 22,9 | 390 | 33,4 | 525 | 19,5 | 350 | 26,9 | 450 | 22,3 | 389 | 17,6 | 332 | 21,6 | 387 | 17,0 | 330 | | | | 9,0 |
| 10,0 | 20,2 | 378 | 21,6 | 401 | 32,3 | 550 | 19,5 | 373 | 26,9 | 482 | 22,3 | 416 | 17,6 | 354 | 21,6 | 413 | 17,0 | 353 | 14,0 | 316 | | 10,0 |
| 11,0 | 19,0 | 386 | 20,4 | 412 | 30,3 | 561 | 18,8 | 288 | 26,0 | 502 | 21,6 | 434 | 17,6 | 376 | 21,2 | 435 | 17,0 | 375 | 14,0 | 335 | | 11,0 |
| 12,0 | 17,9 | 394 | 19,3 | 421 | 28,3 | 568 | 18,1 | 401 | 25,1 | 520 | 21,0 | 452 | 17,6 | 399 | 20,9 | 457 | 17,0 | 397 | 14,0 | 355 | | 12,0 |
| 14,0 | 16,1 | 409 | 17,5 | 440 | 25,2 | 586 | 16,4 | 419 | 22,9 | 546 | 19,1 | 473 | 16,6 | 427 | 19,2 | 483 | 16,4 | 432 | 14,0 | 393 | | 14,0 |
| 16,0 | 14,5 | 421 | 16,0 | 458 | 20,7 | 568 | 14,9 | 434 | 21,0 | 569 | 17,4 | 492 | 15,2 | 445 | 17,6 | 503 | 15,1 | 452 | 14,0 | 432 | | 16,0 |
| 18,0 | 13,2 | 434 | 14,7 | 474 | 16,6 | 541 | 13,7 | 450 | 16,9 | 543 | 16,0 | 509 | 14,0 | 462 | 16,3 | 524 | 14,0 | 471 | 13,0 | 452 | | 18,0 |
| 20,0 | 12,1 | 446 | 13,6 | 489 | 13,6 | 522 | 12,6 | 463 | 13,8 | 522 | 14,8 | 526 | 13,0 | 479 | 14,3 | 526 | 13,0 | 489 | 12,2 | 471 | | 20,0 |
| 22,0 | 11,1 | 456 | 12,6 | 503 | 11,2 | 507 | 11,7 | 477 | 11,5 | 509 | 12,4 | 511 | 12,1 | 494 | 11,9 | 511 | 12,2 | 508 | 11,4 | 488 | | 22,0 |
| 24,0 | 10,3 | 467 | 11,2 | 504 | 9,3 | 495 | 10,8 | 488 | 9,6 | 498 | 10,5 | 499 | 11,0 | 501 | 10,0 | 499 | 10,5 | 501 | 10,5 | 500 | | 24,0 |
| 26,0 | 9,6 | 478 | 9,6 | 493 | 7,8 | 487 | 9,9 | 496 | 8,0 | 487 | 9,0 | 492 | 9,5 | 494 | 8,4 | 489 | 8,9 | 491 | 9,0 | 492 | | 26,0 |
| 28,0 | 8,9 | 487 | 8,3 | 486 | 6,5 | 479 | 8,5 | 485 | 6,8 | 482 | 7,7 | 484 | 8,2 | 486 | 7,1 | 481 | 7,6 | 483 | 7,7 | 485 | | 28,0 |
| 30,0 | 7,8 | 481 | 7,2 | 480 | 5,5 | 476 | 7,4 | 479 | 5,7 | 476 | 6,6 | 478 | 7,1 | 480 | 6,1 | 478 | 6,5 | 477 | 6,6 | 479 | | 30,0 |
| 32,0 | 6,8 | 474 | 6,2 | 473 | 4,5 | 469 | 6,5 | 476 | 4,7 | 469 | 5,6 | 471 | 6,1 | 473 | 5,1 | 471 | 5,6 | 473 | 5,6 | 472 | | 32,0 |
| 34,0 | 6,0 | 471 | 5,4 | 469 | 3,7 | 465 | 5,7 | 472 | 3,9 | 465 | 4,8 | 467 | 5,3 | 470 | 4,3 | 468 | 4,8 | 469 | 4,8 | 468 | | 34,0 |
| 36,0 | 5,3 | 468 | 4,7 | 466 | 3,0 | 462 | 4,9 | 466 | 3,2 | 462 | 4,1 | 464 | 4,6 | 467 | 3,6 | 464 | 4,1 | 466 | 4,1 | 465 | | 36,0 |
| 38,0 | 4,7 | 466 | 4,1 | 464 | 2,4 | 460 | 4,3 | 464 | 2,6 | 460 | 3,5 | 462 | 3,9 | 461 | 3,0 | 462 | 3,5 | 464 | 3,5 | 463 | | 38,0 |
| 40,0 | 4,1 | 462 | 3,5 | 460 | 1,9 | 459 | 3,7 | 460 | 2,1 | 459 | 2,9 | 458 | 3,4 | 461 | 2,4 | 457 | 2,9 | 460 | 2,9 | 459 | | 40,0 |
| 42,0 | | | | | | | 3,2 | 457 | 1,6 | 457 | 2,4 | 456 | 2,9 | 459 | 2,0 | 459 | 2,4 | 458 | 2,4 | 457 | | 42,0 |
| 44,0 | | | | | | | 2,8 | 458 | 1,1 | 453 | 2,0 | 456 | 2,4 | 455 | 1,5 | 456 | 2,0 | 458 | 2,0 | 457 | | 44,0 |
| 46,0 | | | | | | | | | | | | | 2,0 | 454 | 1,1 | 454 | 1,6 | 457 | 1,6 | 456 | | 46,0 |
| 48,0 | | | | | | | | | | | | | 1,7 | 456 | | | 1,2 | 455 | 1,2 | 454 | | 48,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 93 | 100 | 1 | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 100 | 5 | | | | | | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|--------|--------|----|------|----|--------|----|------|----|------|----|--------|----|-------|----|------|----|------|------|--------------------|
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | 70 | 160,0* | 128,5* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 | |
| 3,0 | 70 | 160,0* | 128,5* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 | |
| 3,5 | 68 | 149,8* | 117,3* | 74 | 50,8 | 74 | 117,2* | 77 | 36,8 | 77 | 54,6 | 77 | 115,6* | 77 | 101,2 | 80 | 38,5 | 80 | 52,9 | 3,5 | |
| 4,0 | 65 | 128,9* | 107,6 | 72 | 48,4 | 72 | 107,5 | 76 | 34,8 | 76 | 52,3 | 76 | 99,3 | 76 | 101,2 | 79 | 36,7 | 79 | 52,9 | 4,0 | |
| 4,5 | 63 | 114,7* | 99,3 | 70 | 46,2 | 70 | 94,5 | 75 | 33,0 | 75 | 50,3 | 75 | 83,7 | 75 | 86,0 | 78 | 35,0 | 78 | 52,9 | 4,5 | |
| 5,0 | 60 | 103,2 | 90,4 | 69 | 44,2 | 69 | 80,5 | 73 | 31,3 | 73 | 48,3 | 73 | 81,9 | 73 | 74,2 | 77 | 33,3 | 77 | 51,1 | 5,0 | |
| 6,0 | 55 | 85,8 | 67,7 | 65 | 40,7 | 65 | 61,4 | 71 | 28,4 | 71 | 44,9 | 71 | 55,5 | 71 | 57,6 | 74 | 30,3 | 74 | 47,8 | 6,0 | |
| 7,0 | 49 | 73,1 | 53,1 | 61 | 37,7 | 61 | 49,1 | 68 | 26,0 | 68 | 41,7 | 68 | 44,7 | 68 | 46,6 | 72 | 27,7 | 72 | 44,8 | 7,0 | |
| 8,0 | 42 | 63,5 | 39,9 | 57 | 35,2 | 57 | 39,8 | 65 | 24,0 | 65 | 38,4 | 65 | 36,9 | 65 | 38,8 | 70 | 25,5 | 70 | 39,5 | 8,0 | |
| 9,0 | 34 | 54,7 | 32,3 | 53 | 33,0 | 53 | 32,2 | 62 | 22,2 | 62 | 35,6 | 62 | 31,2 | 62 | 32,9 | 67 | 23,6 | 67 | 34,1 | 9,0 | |
| 10,0 | 23 | 45,0 | 26,8 | 48 | 29,0 | 48 | 26,7 | 59 | 20,7 | 59 | 30,2 | 59 | 26,0 | 59 | 27,7 | 65 | 21,9 | 65 | 29,7 | 10,0 | |
| 11,0 | | | | 43 | 24,7 | 43 | 22,5 | 55 | 19,4 | 55 | 25,8 | 55 | 21,8 | 55 | 23,4 | 62 | 20,5 | 62 | 26,1 | 11,0 | |
| 12,0 | | | | 38 | 21,5 | 38 | 19,3 | 52 | 18,2 | 52 | 22,7 | 52 | 18,7 | 52 | 20,2 | 60 | 19,2 | 60 | 22,7 | 12,0 | |
| 14,0 | | | | 24 | 16,4 | 24 | 14,4 | 44 | 16,3 | 44 | 18,2 | 44 | 13,8 | 44 | 15,3 | 54 | 17,1 | 54 | 17,7 | 14,0 | |
| 16,0 | | | | | | | | 36 | 14,0 | 36 | 13,9 | 36 | 10,4 | 36 | 11,8 | 48 | 14,9 | 48 | 14,1 | 16,0 | |
| 18,0 | | | | | | | | 24 | 11,3 | 24 | 11,2 | 24 | 7,9 | 24 | 9,2 | 42 | 12,2 | 42 | 11,4 | 18,0 | |
| 20,0 | | | | | | | | | | | | | | | | 34 | 10,1 | 34 | 9,4 | 20,0 | |
| 22,0 | | | | | | | | | | | | | | | | 24 | 8,5 | 24 | 7,7 | 22,0 | |
| 24,0 | | | | | | | | | | | | | | | | | | | | 24,0 | |
| 26,0 | | | | | | | | | | | | | | | | | | | | 26,0 | |
| 28,0 | | | | | | | | | | | | | | | | | | | | 28,0 | |
| 30,0 | | | | | | | | | | | | | | | | | | | | 30,0 | |
| 32,0 | | | | | | | | | | | | | | | | | | | | 32,0 | |
| 34,0 | | | | | | | | | | | | | | | | | | | | 34,0 | |
| 36,0 | | | | | | | | | | | | | | | | | | | | 36,0 | |
| 38,0 | | | | | | | | | | | | | | | | | | | | 38,0 | |
| 40,0 | | | | | | | | | | | | | | | | | | | | 40,0 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 2 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 0 | 3 | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 46 | 0 | 46 | 0 | 4 | |
| 5 | 0 | 46 | 0 | 93 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 46 | 46 | 0 | 46 | 0 | 5 | |

1) Over rear with superstructure locking pin engaged.

* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
 Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789293

Counterweight 25,0 t


On outriggers, 360° working area

Outriggers half extended, outrigger base 5,60 m


Boom length (m)

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) | | | | | | | | |
|--------------------|------------------------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|------|-----|------|-----|--------------------|------|---|---|---|------|--|--|--|
| | 13,2 | | | | 17,6 | | | | 17,6 | | | | 21,9 | | | | 21,9 | | | | | 26,3 | | | | 26,3 | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | m | F | m | F | | | | |
| 3,0 | 160,0 | 894 | 128,5 | 930 | 53,3 | 422 | 120,0 | 875 | 39,0 | 323 | 54,6 | 425 | 115,6 | 849 | 101,2 | 746 | 40,5 | 327 | 52,9 | 413 | 3,0 | | | | | | | | |
| 3,5 | 149,8 | 891 | 117,3 | 933 | 50,8 | 441 | 117,2 | 932 | 36,8 | 333 | 54,6 | 462 | 115,6 | 925 | 101,2 | 812 | 38,5 | 340 | 52,9 | 449 | 3,5 | | | | | | | | |
| 4,0 | 128,9 | 826 | 107,6 | 933 | 48,4 | 457 | 107,5 | 933 | 34,8 | 344 | 52,3 | 481 | 99,3 | 873 | 101,2 | 878 | 36,7 | 353 | 52,9 | 485 | 4,0 | | | | | | | | |
| 4,5 | 114,7 | 786 | 99,3 | 934 | 46,2 | 473 | 94,5 | 894 | 33,0 | 354 | 50,3 | 500 | 83,7 | 807 | 86,0 | 816 | 35,0 | 364 | 52,9 | 521 | 4,5 | | | | | | | | |
| 5,0 | 103,2 | 754 | 90,4 | 919 | 44,2 | 487 | 80,5 | 830 | 31,3 | 362 | 48,3 | 517 | 81,9 | 847 | 74,2 | 767 | 33,3 | 374 | 51,1 | 541 | 5,0 | | | | | | | | |
| 6,0 | 85,8 | 706 | 67,7 | 806 | 40,7 | 514 | 61,4 | 743 | 28,4 | 379 | 44,9 | 549 | 55,5 | 687 | 57,6 | 697 | 30,3 | 391 | 47,8 | 577 | 6,0 | | | | | | | | |
| 7,0 | 73,1 | 672 | 53,1 | 732 | 37,7 | 539 | 49,1 | 687 | 26,0 | 394 | 41,7 | 575 | 44,7 | 643 | 46,6 | 651 | 27,7 | 405 | 44,8 | 608 | 7,0 | | | | | | | | |
| 8,0 | 63,5 | 646 | 39,9 | 640 | 35,2 | 561 | 39,8 | 640 | 24,0 | 408 | 38,4 | 592 | 36,9 | 610 | 38,8 | 619 | 25,5 | 418 | 39,5 | 603 | 8,0 | | | | | | | | |
| 9,0 | 54,7 | 616 | 32,3 | 594 | 33,0 | 583 | 32,2 | 594 | 22,2 | 421 | 35,6 | 607 | 31,2 | 587 | 32,9 | 594 | 23,6 | 430 | 34,1 | 584 | 9,0 | | | | | | | | |
| 10,0 | 45,0 | 568 | 26,8 | 561 | 29,0 | 572 | 26,7 | 561 | 20,7 | 433 | 30,2 | 577 | 26,0 | 558 | 27,7 | 566 | 21,9 | 440 | 29,7 | 567 | 10,0 | | | | | | | | |
| 11,0 | | | | | 24,7 | 546 | 22,5 | 536 | 19,4 | 445 | 25,8 | 551 | 21,8 | 533 | 23,4 | 540 | 20,5 | 451 | 26,1 | 553 | 11,0 | | | | | | | | |
| 12,0 | | | | | 21,5 | 529 | 19,3 | 519 | 18,2 | 456 | 22,7 | 536 | 18,7 | 517 | 20,2 | 523 | 19,2 | 460 | 22,7 | 533 | 12,0 | | | | | | | | |
| 14,0 | | | | | 16,4 | 498 | 14,4 | 490 | 16,3 | 478 | 18,2 | 518 | 13,8 | 488 | 15,3 | 495 | 17,1 | 480 | 17,7 | 505 | 14,0 | | | | | | | | |
| 16,0 | | | | | | | | | 14,0 | 483 | 13,9 | 483 | 10,4 | 469 | 11,8 | 475 | 14,9 | 486 | 14,1 | 483 | 16,0 | | | | | | | | |
| 18,0 | | | | | | | | | 11,3 | 467 | 11,2 | 466 | 7,9 | 456 | 9,2 | 460 | 12,2 | 470 | 11,4 | 467 | 18,0 | | | | | | | | |
| 20,0 | | | | | | | | | | | | | | | | | 10,1 | 458 | 9,4 | 457 | 20,0 | | | | | | | | |
| 22,0 | | | | | | | | | | | | | | | | | 8,5 | 449 | 7,7 | 445 | 22,0 | | | | | | | | |
| 24,0 | | | | | | | | | | | | | | | | | | | | | 24,0 | | | | | | | | |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 | | | | | | | | |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 | | | | | | | | |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 | | | | | | | | |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 | | | | | | | | |
| 34,0 | | | | | | | | | | | | | | | | | | | | | 34,0 | | | | | | | | |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 | | | | | | | | |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 | | | | | | | | |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 | | | | | | | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. | | | | | | | | |
| 1 | | 0 | | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 1 | | | | | | | | |
| 2 | | 0 | | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 2 | | | | | | | | |
| 3 | | 0 | | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 3 | | | | | | | | |
| 4 | | 0 | | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 4 | | | | | | | | |
| 5 | | 0 | | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 93 | | 46 | | 5 | | | | | | | | |


The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|------|------|------|------|------|------|------|------|------|--------------------|------|----|------|----|------|----|------|----|------|------|
| Working radius (m) | Boom length (m) | | | | | | | | | | Working radius (m) | | | | | | | | | | |
| | 26,3 | 30,6 | 30,6 | 30,6 | 35,0 | 35,0 | 35,0 | 39,3 | 39,3 | 39,3 | | | | | | | | | | | |
| 3,0 | 81 | 89,1 | | | | | | | | | | 3,0 | | | | | | | | | |
| 3,5 | 80 | 89,1 | 82 | 33,7 | 82 | 49,8 | 82 | 74,2 | | | | 3,5 | | | | | | | | | |
| 4,0 | 79 | 89,1 | 81 | 31,8 | 81 | 49,8 | 81 | 73,1 | | | | 4,0 | | | | | | | | | |
| 4,5 | 78 | 77,0 | 80 | 30,1 | 80 | 49,8 | 80 | 68,9 | 82 | 30,5 | 82 | 45,1 | 82 | 55,1 | | 4,5 | | | | | |
| 5,0 | 77 | 67,0 | 79 | 28,5 | 79 | 49,8 | 79 | 60,0 | 81 | 29,1 | 81 | 45,1 | 81 | 55,1 | | 5,0 | | | | | |
| 6,0 | 74 | 52,5 | 77 | 25,9 | 77 | 49,8 | 77 | 48,0 | 79 | 26,6 | 79 | 45,1 | 79 | 46,2 | 81 | 26,1 | 81 | 41,4 | 81 | 32,2 | 6,0 |
| 7,0 | 72 | 42,5 | 75 | 23,6 | 75 | 43,7 | 75 | 39,4 | 77 | 24,5 | 77 | 40,4 | 77 | 38,2 | 79 | 24,5 | 79 | 37,4 | 79 | 32,1 | 7,0 |
| 8,0 | 70 | 35,7 | 73 | 21,7 | 73 | 37,0 | 73 | 32,9 | 76 | 22,7 | 76 | 34,4 | 76 | 32,3 | 78 | 22,7 | 78 | 31,8 | 78 | 30,1 | 8,0 |
| 9,0 | 67 | 30,2 | 71 | 20,1 | 71 | 32,0 | 71 | 27,7 | 74 | 21,1 | 74 | 29,5 | 74 | 27,6 | 76 | 21,0 | 76 | 27,2 | 76 | 28,3 | 9,0 |
| 10,0 | 65 | 26,0 | 69 | 18,6 | 69 | 27,8 | 69 | 24,1 | 72 | 19,7 | 72 | 26,0 | 72 | 24,0 | 75 | 19,6 | 75 | 24,0 | 75 | 25,7 | 10,0 |
| 11,0 | 62 | 22,7 | 67 | 17,4 | 67 | 24,7 | 67 | 21,0 | 70 | 18,5 | 70 | 22,9 | 70 | 21,0 | 73 | 18,4 | 73 | 21,2 | 73 | 22,8 | 11,0 |
| 12,0 | 60 | 19,5 | 65 | 16,3 | 65 | 22,0 | 65 | 18,3 | 69 | 17,4 | 69 | 20,3 | 69 | 18,5 | 72 | 17,2 | 72 | 18,7 | 72 | 20,4 | 12,0 |
| 14,0 | 54 | 14,6 | 61 | 14,4 | 61 | 17,3 | 61 | 13,9 | 65 | 15,6 | 65 | 16,3 | 65 | 14,6 | 68 | 15,2 | 68 | 15,0 | 68 | 16,5 | 14,0 |
| 16,0 | 48 | 11,2 | 56 | 12,9 | 56 | 13,8 | 56 | 10,5 | 61 | 14,1 | 61 | 13,0 | 61 | 11,4 | 65 | 13,6 | 65 | 12,2 | 65 | 13,8 | 16,0 |
| 18,0 | 42 | 8,6 | 51 | 11,7 | 51 | 11,1 | 51 | 8,0 | 57 | 12,5 | 57 | 10,4 | 57 | 8,8 | 62 | 12,3 | 62 | 9,7 | 62 | 11,1 | 18,0 |
| 20,0 | 34 | 6,6 | 46 | 10,3 | 46 | 9,1 | 46 | 6,0 | 53 | 10,4 | 53 | 8,4 | 53 | 6,8 | 58 | 10,3 | 58 | 7,7 | 58 | 9,1 | 20,0 |
| 22,0 | 24 | 5,1 | 40 | 8,6 | 40 | 7,5 | 40 | 4,5 | 49 | 8,8 | 49 | 6,8 | 49 | 5,3 | 55 | 8,6 | 55 | 6,1 | 55 | 7,5 | 22,0 |
| 24,0 | | | 33 | 7,3 | 33 | 6,2 | 33 | 3,2 | 44 | 7,5 | 44 | 5,5 | 44 | 4,0 | 51 | 7,3 | 51 | 4,9 | 51 | 6,2 | 24,0 |
| 26,0 | | | 24 | 6,2 | 24 | 5,1 | 24 | 2,2 | 39 | 6,4 | 39 | 4,4 | 39 | 3,0 | 47 | 6,2 | 47 | 3,8 | 47 | 5,1 | 26,0 |
| 28,0 | | | | | | | | | 32 | 5,5 | 32 | 3,5 | 32 | 2,1 | 42 | 5,3 | 42 | 2,9 | 42 | 4,2 | 28,0 |
| 30,0 | | | | | | | | | 25 | 4,7 | 25 | 2,8 | | | 37 | 4,5 | 37 | 2,2 | 37 | 3,4 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 32 | 3,8 | 32 | 1,5 | 32 | 2,8 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 25 | 3,2 | | | 25 | 2,2 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 15 | 2,7 | | | 15 | 1,7 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | Tel. | | | | | | | | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |


The operation manual and the notes to the load rating chart have to be observed !

|  Outrigger reaction force chart ATF 160G-5 Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789293 Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
| | 26,3 | | 30,6 | | 30,6 | | 30,6 | | 35,0 | | 35,0 | | 35,0 | | 39,3 | | 39,3 | | 39,3 | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 89,1 | 669 | | | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 89,1 | 728 | 33,7 | 308 | 49,8 | 428 | 74,2 | 625 | | | | | | | | | | | | | 3,5 |
| 4,0 | 89,1 | 788 | 31,8 | 313 | 49,8 | 463 | 73,1 | 667 | | | | | | | | | | | | | 4,0 |
| 4,5 | 77,0 | 745 | 30,1 | 322 | 49,8 | 497 | 68,9 | 682 | 30,5 | 324 | 45,1 | 462 | 55,1 | 559 | | | | | | | 4,5 |
| 5,0 | 67,0 | 707 | 28,5 | 329 | 49,8 | 531 | 60,0 | 649 | 29,1 | 333 | 45,1 | 494 | 55,1 | 597 | | | | | | | 5,0 |
| 6,0 | 52,5 | 650 | 25,9 | 344 | 49,8 | 600 | 48,0 | 610 | 26,6 | 349 | 45,1 | 558 | 46,2 | 583 | 26,1 | 346 | 41,4 | 526 | 32,2 | 419 | 6,0 |
| 7,0 | 42,5 | 610 | 23,6 | 356 | 43,7 | 599 | 39,4 | 581 | 24,5 | 365 | 40,4 | 568 | 38,2 | 559 | 24,5 | 366 | 37,4 | 541 | 32,1 | 465 | 7,0 |
| 8,0 | 35,7 | 586 | 21,7 | 368 | 37,0 | 575 | 32,9 | 558 | 22,7 | 378 | 34,4 | 550 | 32,3 | 541 | 22,7 | 381 | 31,8 | 525 | 30,1 | 487 | 8,0 |
| 9,0 | 30,2 | 564 | 20,1 | 379 | 32,0 | 559 | 27,7 | 538 | 21,1 | 391 | 29,5 | 533 | 27,6 | 526 | 21,0 | 392 | 27,2 | 509 | 28,3 | 507 | 9,0 |
| 10,0 | 26,0 | 549 | 18,6 | 388 | 27,8 | 543 | 24,1 | 529 | 19,7 | 402 | 26,0 | 525 | 24,0 | 516 | 19,6 | 403 | 24,0 | 504 | 25,7 | 511 | 10,0 |
| 11,0 | 22,7 | 537 | 17,4 | 398 | 24,7 | 534 | 21,0 | 519 | 18,5 | 413 | 22,9 | 515 | 21,0 | 507 | 18,4 | 414 | 21,2 | 497 | 22,8 | 503 | 11,0 |
| 12,0 | 19,5 | 520 | 16,3 | 407 | 22,0 | 525 | 18,3 | 509 | 17,4 | 423 | 20,3 | 506 | 18,5 | 499 | 17,2 | 423 | 18,7 | 489 | 20,4 | 497 | 12,0 |
| 14,0 | 14,6 | 492 | 14,4 | 423 | 17,3 | 502 | 13,9 | 489 | 15,6 | 443 | 16,3 | 494 | 14,6 | 488 | 15,2 | 439 | 15,0 | 480 | 16,5 | 485 | 14,0 |
| 16,0 | 11,2 | 473 | 12,9 | 439 | 13,8 | 482 | 10,5 | 470 | 14,1 | 462 | 13,0 | 478 | 11,4 | 474 | 13,6 | 454 | 12,2 | 474 | 13,8 | 482 | 16,0 |
| 18,0 | 8,6 | 458 | 11,7 | 454 | 11,1 | 466 | 8,0 | 457 | 12,5 | 470 | 10,4 | 463 | 8,8 | 459 | 12,3 | 469 | 9,7 | 461 | 11,1 | 465 | 18,0 |
| 20,0 | 6,6 | 447 | 10,3 | 459 | 9,1 | 455 | 6,0 | 446 | 10,4 | 457 | 8,4 | 453 | 6,8 | 447 | 10,3 | 459 | 7,7 | 450 | 9,1 | 455 | 20,0 |
| 22,0 | 5,1 | 440 | 8,6 | 448 | 7,5 | 447 | 4,5 | 439 | 8,8 | 449 | 6,8 | 444 | 5,3 | 441 | 8,6 | 448 | 6,1 | 442 | 7,5 | 446 | 22,0 |
| 24,0 | | | 7,3 | 442 | 6,2 | 441 | 3,2 | 432 | 7,5 | 443 | 5,5 | 437 | 4,0 | 434 | 7,3 | 442 | 4,9 | 438 | 6,2 | 440 | 24,0 |
| 26,0 | | | 6,2 | 436 | 5,1 | 435 | 2,2 | 429 | 6,4 | 437 | 4,4 | 431 | 3,0 | 431 | 6,2 | 436 | 3,8 | 432 | 5,1 | 433 | 26,0 |
| 28,0 | | | | | | | | | 5,5 | 433 | 3,5 | 427 | 2,1 | 427 | 5,3 | 432 | 2,9 | 428 | 4,2 | 430 | 28,0 |
| 30,0 | | | | | | | | | 4,7 | 429 | 2,8 | 426 | | | 4,5 | 428 | 2,2 | 427 | 3,4 | 425 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 3,8 | 424 | 1,5 | 423 | 2,8 | 426 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 3,2 | 421 | | | 2,2 | 423 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 2,7 | 420 | | | 1,7 | 422 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |


The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|------|------|------|------|------|------|------|------|------|----|--------------------|-----|------|----|------|-----|------|-----|------|------|
| Working radius (m) | Boom length (m) | | | | | | | | | | | Working radius (m) | | | | | | | | | |
| | 43,7 | 43,7 | 43,7 | 48,0 | 48,0 | 48,0 | 52,4 | 52,4 | 56,7 | 60,0 | | | | | | | | | | | |
| 3,0 | | | | | | | | | | | | | 3,0 | | | | | | | | |
| 3,5 | | | | | | | | | | | | | 3,5 | | | | | | | | |
| 4,0 | | | | | | | | | | | | | 4,0 | | | | | | | | |
| 4,5 | | | | | | | | | | | | | 4,5 | | | | | | | | |
| 5,0 | | | | | | | | | | | | | 5,0 | | | | | | | | |
| 6,0 | 82 | 22,4 | 82 | 24,5 | 82 | 33,4 | | | | | | | 6,0 | | | | | | | | |
| 7,0 | 81 | 22,4 | 81 | 24,5 | 81 | 33,4 | 82 | 19,5 | 82 | 26,9 | 82 | 22,3 | 7,0 | | | | | | | | |
| 8,0 | 79 | 22,4 | 79 | 24,3 | 79 | 30,3 | 81 | 19,5 | 81 | 26,9 | 81 | 22,3 | 82 | 17,6 | 82 | 21,6 | 8,0 | | | | |
| 9,0 | 78 | 21,6 | 78 | 22,9 | 78 | 26,3 | 80 | 19,5 | 80 | 25,4 | 80 | 22,3 | 81 | 17,6 | 81 | 21,6 | 82 | 17,0 | 9,0 | | |
| 10,0 | 77 | 20,2 | 77 | 21,6 | 77 | 23,0 | 79 | 19,5 | 79 | 22,3 | 79 | 22,3 | 80 | 17,6 | 80 | 21,6 | 81 | 17,0 | 82 | 14,0 | 10,0 |
| 11,0 | 75 | 19,0 | 75 | 20,4 | 75 | 20,3 | 77 | 18,8 | 77 | 19,8 | 77 | 20,9 | 79 | 17,6 | 79 | 19,5 | 80 | 17,0 | 81 | 14,0 | 11,0 |
| 12,0 | 74 | 17,9 | 74 | 19,3 | 74 | 18,0 | 76 | 18,1 | 76 | 17,6 | 76 | 18,7 | 78 | 17,6 | 78 | 17,5 | 79 | 17,0 | 80 | 14,0 | 12,0 |
| 14,0 | 71 | 16,1 | 71 | 16,3 | 71 | 14,3 | 74 | 16,3 | 74 | 14,1 | 74 | 15,1 | 75 | 15,2 | 75 | 14,1 | 77 | 14,2 | 78 | 14,0 | 14,0 |
| 16,0 | 68 | 14,5 | 68 | 13,7 | 68 | 11,7 | 71 | 13,5 | 71 | 11,5 | 71 | 12,6 | 73 | 12,8 | 73 | 11,6 | 75 | 11,8 | 76 | 11,5 | 16,0 |
| 18,0 | 65 | 12,2 | 65 | 11,5 | 65 | 9,6 | 68 | 11,5 | 68 | 9,5 | 68 | 10,5 | 71 | 10,7 | 71 | 9,6 | 73 | 9,8 | 74 | 9,6 | 18,0 |
| 20,0 | 62 | 10,1 | 62 | 9,5 | 62 | 7,7 | 66 | 9,7 | 66 | 7,9 | 66 | 8,8 | 68 | 9,1 | 68 | 8,0 | 70 | 8,3 | 72 | 8,1 | 20,0 |
| 22,0 | 59 | 8,5 | 59 | 7,8 | 59 | 6,1 | 63 | 8,1 | 63 | 6,3 | 63 | 7,2 | 66 | 7,7 | 66 | 6,7 | 68 | 7,0 | 70 | 6,8 | 22,0 |
| 24,0 | 56 | 7,1 | 56 | 6,5 | 56 | 4,8 | 60 | 6,8 | 60 | 5,0 | 60 | 5,9 | 63 | 6,3 | 63 | 5,4 | 66 | 5,7 | 68 | 5,8 | 24,0 |
| 26,0 | 53 | 6,1 | 53 | 5,4 | 53 | 3,8 | 57 | 5,7 | 57 | 4,0 | 57 | 4,9 | 61 | 5,3 | 61 | 4,4 | 64 | 4,6 | 66 | 4,9 | 26,0 |
| 28,0 | 49 | 5,1 | 49 | 4,5 | 49 | 2,9 | 54 | 4,8 | 54 | 3,1 | 54 | 4,0 | 58 | 4,4 | 58 | 3,5 | 61 | 3,7 | 64 | 3,9 | 28,0 |
| 30,0 | 45 | 4,4 | 45 | 3,8 | 45 | 2,1 | 51 | 4,0 | 51 | 2,3 | 51 | 3,2 | 55 | 3,6 | 55 | 2,7 | 59 | 2,9 | 61 | 3,2 | 30,0 |
| 32,0 | 41 | 3,7 | 41 | 3,1 | 41 | 1,5 | 48 | 3,3 | 48 | 1,7 | 48 | 2,5 | 52 | 3,0 | 52 | 2,0 | 56 | 2,2 | 59 | 2,5 | 32,0 |
| 34,0 | 37 | 3,1 | 37 | 2,5 | | | 44 | 2,7 | | | 44 | 2,0 | 50 | 2,4 | 50 | 1,5 | 54 | 1,7 | 57 | 1,9 | 34,0 |
| 36,0 | 31 | 2,6 | 31 | 2,0 | | | 40 | 2,2 | | | 40 | 1,5 | 46 | 1,9 | | | | | 54 | 1,4 | 36,0 |
| 38,0 | 25 | 2,1 | 25 | 1,5 | | | 36 | 1,8 | | | | | 43 | 1,4 | | | | | | | 38,0 |
| 40,0 | 16 | 1,7 | | | | | 31 | 1,4 | | | | | | | | | | | | | 40,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | Tel. | | | | | | | | | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 5 | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !

|  Outrigger reaction force chart ATF 160G-5 Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789293 Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|------|
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) | |
| | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | 60,0 | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 22,4 | 310 | 24,5 | 337 | 33,4 | 445 | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 22,4 | 344 | 24,5 | 375 | 33,4 | 495 | 19,5 | 315 | 26,9 | 418 | 22,3 | 356 | | | | | | | | | | 7,0 |
| 8,0 | 22,4 | 378 | 24,3 | 410 | 30,3 | 506 | 19,5 | 346 | 26,9 | 461 | 22,3 | 392 | 17,6 | 326 | 21,6 | 389 | | | | | | 8,0 |
| 9,0 | 21,6 | 402 | 22,9 | 428 | 26,3 | 497 | 19,5 | 377 | 25,4 | 482 | 22,3 | 427 | 17,6 | 356 | 21,6 | 424 | 17,0 | 354 | | | | 9,0 |
| 10,0 | 20,2 | 414 | 21,6 | 444 | 23,0 | 489 | 19,5 | 409 | 22,3 | 476 | 22,3 | 463 | 17,6 | 385 | 21,6 | 460 | 17,0 | 384 | 14,0 | 338 | | 10,0 |
| 11,0 | 19,0 | 426 | 20,4 | 459 | 20,3 | 483 | 18,8 | 429 | 19,8 | 472 | 20,9 | 476 | 17,6 | 415 | 19,5 | 461 | 17,0 | 413 | 14,0 | 364 | | 11,0 |
| 12,0 | 17,9 | 437 | 19,3 | 472 | 18,0 | 477 | 18,1 | 447 | 17,6 | 467 | 18,7 | 471 | 17,6 | 444 | 17,5 | 459 | 17,0 | 442 | 14,0 | 389 | | 12,0 |
| 14,0 | 16,1 | 459 | 16,3 | 475 | 14,3 | 467 | 16,3 | 470 | 14,1 | 459 | 15,1 | 462 | 15,2 | 455 | 14,1 | 452 | 14,2 | 445 | 14,0 | 441 | | 14,0 |
| 16,0 | 14,5 | 477 | 13,7 | 472 | 11,7 | 464 | 13,5 | 463 | 11,5 | 455 | 12,6 | 460 | 12,8 | 455 | 11,6 | 449 | 11,8 | 444 | 11,5 | 436 | | 16,0 |
| 18,0 | 12,2 | 470 | 11,5 | 467 | 9,6 | 460 | 11,5 | 462 | 9,5 | 453 | 10,5 | 456 | 10,7 | 450 | 9,6 | 446 | 9,8 | 440 | 9,6 | 434 | | 18,0 |
| 20,0 | 10,1 | 457 | 9,5 | 457 | 7,7 | 452 | 9,7 | 456 | 7,9 | 452 | 8,8 | 453 | 9,1 | 449 | 8,0 | 445 | 8,3 | 441 | 8,1 | 434 | | 20,0 |
| 22,0 | 8,5 | 449 | 7,8 | 446 | 6,1 | 443 | 8,1 | 448 | 6,3 | 443 | 7,2 | 444 | 7,7 | 446 | 6,7 | 444 | 7,0 | 440 | 6,8 | 433 | | 22,0 |
| 24,0 | 7,1 | 440 | 6,5 | 439 | 4,8 | 436 | 6,8 | 441 | 5,0 | 436 | 5,9 | 437 | 6,3 | 436 | 5,4 | 437 | 5,7 | 433 | 5,8 | 435 | | 24,0 |
| 26,0 | 6,1 | 437 | 5,4 | 433 | 3,8 | 433 | 5,7 | 435 | 4,0 | 433 | 4,9 | 435 | 5,3 | 433 | 4,4 | 435 | 4,6 | 426 | 4,9 | 436 | | 26,0 |
| 28,0 | 5,1 | 430 | 4,5 | 429 | 2,9 | 429 | 4,8 | 432 | 3,1 | 429 | 4,0 | 431 | 4,4 | 429 | 3,5 | 431 | 3,7 | 422 | 3,9 | 428 | | 28,0 |
| 30,0 | 4,4 | 429 | 3,8 | 429 | 2,1 | 425 | 4,0 | 427 | 2,3 | 425 | 3,2 | 427 | 3,6 | 425 | 2,7 | 426 | 2,9 | 417 | 3,2 | 428 | | 30,0 |
| 32,0 | 3,7 | 426 | 3,1 | 425 | 1,5 | 425 | 3,3 | 424 | 1,7 | 425 | 2,5 | 423 | 3,0 | 425 | 2,0 | 422 | 2,2 | 412 | 2,5 | 424 | | 32,0 |
| 34,0 | 3,1 | 423 | 2,5 | 422 | | | 2,7 | 421 | | | 2,0 | 424 | 2,4 | 422 | 1,5 | 424 | 1,7 | 413 | 1,9 | 421 | | 34,0 |
| 36,0 | 2,6 | 422 | 2,0 | 421 | | | 2,2 | 419 | | | 1,5 | 423 | 1,9 | 421 | | | | | 1,4 | 420 | | 36,0 |
| 38,0 | 2,1 | 418 | 1,5 | 417 | | | 1,8 | 421 | | | | | 1,4 | 418 | | | | | | | | 38,0 |
| 40,0 | 1,7 | 418 | | | | | 1,4 | 420 | | | | | | | | | | | | | | 40,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 93 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 1 | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 46 | 93 | 100 | 5 | | | | |


The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|--------|--------|----|------|----|--------|----|------|----|------|----|--------|----|-------|----|------|----|------|------|--------------------|
| Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | ∠ | 1) | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | |
| 3,0 | 70 | 160,0* | 140,0* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 | |
| 3,5 | 68 | 138,5* | 128,6* | 74 | 50,8 | 74 | 120,0* | 77 | 36,8 | 77 | 54,6 | 77 | 115,6* | 77 | 101,2 | 80 | 38,5 | 80 | 52,9 | 3,5 | |
| 4,0 | 65 | 121,6* | 118,7* | 72 | 48,4 | 72 | 120,0* | 76 | 34,8 | 76 | 52,3 | 76 | 115,6* | 76 | 101,2 | 79 | 36,7 | 79 | 52,9 | 4,0 | |
| 4,5 | 63 | 108,2 | 108,2 | 70 | 46,2 | 70 | 108,0 | 75 | 33,0 | 75 | 50,3 | 75 | 107,3 | 75 | 100,3 | 78 | 35,0 | 78 | 52,9 | 4,5 | |
| 5,0 | 60 | 97,3 | 97,3 | 69 | 44,2 | 69 | 97,1 | 73 | 31,3 | 73 | 48,3 | 73 | 96,5 | 73 | 95,3 | 77 | 33,3 | 77 | 51,1 | 5,0 | |
| 6,0 | 55 | 80,8 | 80,8 | 65 | 40,7 | 65 | 80,6 | 71 | 28,4 | 71 | 44,9 | 71 | 80,0 | 71 | 81,2 | 74 | 30,3 | 74 | 47,8 | 6,0 | |
| 7,0 | 49 | 68,8 | 68,8 | 61 | 37,7 | 61 | 68,6 | 68 | 26,0 | 68 | 41,7 | 68 | 68,0 | 68 | 69,2 | 72 | 27,7 | 72 | 44,8 | 7,0 | |
| 8,0 | 42 | 53,4 | 53,4 | 57 | 35,2 | 57 | 53,3 | 65 | 24,0 | 65 | 38,4 | 65 | 52,4 | 65 | 54,6 | 70 | 25,5 | 70 | 42,2 | 8,0 | |
| 9,0 | 34 | 42,3 | 42,3 | 53 | 33,0 | 53 | 42,2 | 62 | 22,2 | 62 | 35,6 | 62 | 41,4 | 62 | 43,4 | 67 | 23,6 | 67 | 39,4 | 9,0 | |
| 10,0 | 23 | 34,5 | 34,5 | 48 | 31,1 | 48 | 34,4 | 59 | 20,7 | 59 | 33,2 | 59 | 33,6 | 59 | 35,5 | 65 | 21,9 | 65 | 36,9 | 10,0 | |
| 11,0 | | | | 43 | 29,5 | 43 | 28,4 | 55 | 19,4 | 55 | 31,2 | 55 | 27,6 | 55 | 29,4 | 62 | 20,5 | 62 | 32,5 | 11,0 | |
| 12,0 | | | | 38 | 26,4 | 38 | 24,0 | 52 | 18,2 | 52 | 27,7 | 52 | 23,2 | 52 | 25,0 | 60 | 19,2 | 60 | 27,9 | 12,0 | |
| 14,0 | | | | 24 | 19,7 | 24 | 17,5 | 44 | 16,3 | 44 | 20,9 | 44 | 16,8 | 44 | 18,4 | 54 | 17,1 | 54 | 21,1 | 14,0 | |
| 16,0 | | | | | | | | 36 | 14,8 | 36 | 16,3 | 36 | 12,5 | 36 | 14,0 | 48 | 15,4 | 48 | 16,5 | 16,0 | |
| 18,0 | | | | | | | | 24 | 13,2 | 24 | 13,1 | 24 | 9,4 | 24 | 10,9 | 42 | 14,0 | 42 | 13,3 | 18,0 | |
| 20,0 | | | | | | | | | | | | | | | | 34 | 11,6 | 34 | 10,8 | 20,0 | |
| 22,0 | | | | | | | | | | | | | | | | 24 | 9,7 | 24 | 8,9 | 22,0 | |
| 24,0 | | | | | | | | | | | | | | | | | | | | 24,0 | |
| 26,0 | | | | | | | | | | | | | | | | | | | | 26,0 | |
| 28,0 | | | | | | | | | | | | | | | | | | | | 28,0 | |
| 30,0 | | | | | | | | | | | | | | | | | | | | 30,0 | |
| 32,0 | | | | | | | | | | | | | | | | | | | | 32,0 | |
| 34,0 | | | | | | | | | | | | | | | | | | | | 34,0 | |
| 36,0 | | | | | | | | | | | | | | | | | | | | 36,0 | |
| 38,0 | | | | | | | | | | | | | | | | | | | | 38,0 | |
| 40,0 | | | | | | | | | | | | | | | | | | | | 40,0 | |
| 42,0 | | | | | | | | | | | | | | | | | | | | 42,0 | |
| 44,0 | | | | | | | | | | | | | | | | | | | | 44,0 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 2 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 46 | 0 | 0 | 0 | 46 | 3 | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 46 | 46 | 46 | 4 | |
| 5 | 0 | 46 | 0 | 93 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 46 | 46 | 46 | 46 | 5 | |


1) Over rear with superstructure locking pin engaged.

* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !

|  Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|------|-----|------|-----|------|
| Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789294 Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | | | | | | | | | | | | | | | | | | | | | |
| Boom length (m) | | | | | | | | | | | | | | | | | | | | | |
| 13,2 17,6 17,6 21,9 21,9 21,9 21,9 26,3 26,3 | | | | | | | | | | | | | | | | | | | | | |
| m F m F m F m F m F m F m F m F m F m F | | | | | | | | | | | | | | | | | | | | | |
| 3,0 | 160,0 | 884 | 140,0 | 919 | 53,3 | 413 | 120,0 | 804 | 39,0 | 327 | 54,6 | 417 | 115,6 | 782 | 101,2 | 693 | 40,5 | 332 | 52,9 | 406 | 3,0 |
| 3,5 | 138,5 | 824 | 128,6 | 916 | 50,8 | 426 | 120,0 | 863 | 36,8 | 334 | 54,6 | 445 | 115,6 | 839 | 101,2 | 743 | 38,5 | 341 | 52,9 | 433 | 3,5 |
| 4,0 | 121,6 | 777 | 118,7 | 913 | 48,4 | 437 | 120,0 | 922 | 34,8 | 341 | 52,3 | 458 | 115,6 | 896 | 101,2 | 793 | 36,7 | 349 | 52,9 | 461 | 4,0 |
| 4,5 | 108,2 | 740 | 108,2 | 897 | 46,2 | 447 | 108,0 | 896 | 33,0 | 347 | 50,3 | 471 | 107,3 | 894 | 100,3 | 837 | 35,0 | 356 | 52,9 | 488 | 4,5 |
| 5,0 | 97,3 | 709 | 97,3 | 868 | 44,2 | 456 | 97,1 | 867 | 31,3 | 352 | 48,3 | 482 | 96,5 | 866 | 95,3 | 849 | 33,3 | 362 | 51,1 | 502 | 5,0 |
| 6,0 | 80,8 | 664 | 80,8 | 825 | 40,7 | 474 | 80,6 | 824 | 28,4 | 363 | 44,9 | 503 | 80,0 | 823 | 81,2 | 824 | 30,3 | 373 | 47,8 | 526 | 6,0 |
| 7,0 | 68,8 | 631 | 68,8 | 795 | 37,7 | 490 | 68,6 | 794 | 26,0 | 372 | 41,7 | 520 | 68,0 | 793 | 69,2 | 793 | 27,7 | 382 | 44,8 | 548 | 7,0 |
| 8,0 | 53,4 | 560 | 53,4 | 707 | 35,2 | 505 | 53,3 | 707 | 24,0 | 382 | 38,4 | 531 | 52,4 | 703 | 54,6 | 714 | 25,5 | 390 | 42,2 | 568 | 8,0 |
| 9,0 | 42,3 | 506 | 42,3 | 640 | 33,0 | 520 | 42,2 | 640 | 22,2 | 390 | 35,6 | 541 | 41,4 | 636 | 43,4 | 647 | 23,6 | 397 | 39,4 | 582 | 9,0 |
| 10,0 | 34,5 | 468 | 34,5 | 593 | 31,1 | 534 | 34,4 | 592 | 20,7 | 398 | 33,2 | 550 | 33,6 | 588 | 35,5 | 598 | 21,9 | 404 | 36,9 | 593 | 10,0 |
| 11,0 | | | | | 29,5 | 549 | 28,4 | 554 | 19,4 | 406 | 31,2 | 561 | 27,6 | 550 | 29,4 | 559 | 20,5 | 411 | 32,5 | 576 | 11,0 |
| 12,0 | | | | | 26,4 | 539 | 24,0 | 527 | 18,2 | 413 | 27,7 | 547 | 23,2 | 523 | 25,0 | 532 | 19,2 | 417 | 27,9 | 548 | 12,0 |
| 14,0 | | | | | 19,7 | 496 | 17,5 | 485 | 16,3 | 429 | 20,9 | 503 | 16,8 | 482 | 18,4 | 490 | 17,1 | 430 | 21,1 | 503 | 14,0 |
| 16,0 | | | | | | | | | 14,8 | 445 | 16,3 | 473 | 12,5 | 455 | 14,0 | 462 | 15,4 | 443 | 16,5 | 473 | 16,0 |
| 18,0 | | | | | | | | | 13,2 | 453 | 13,1 | 453 | 9,4 | 435 | 10,9 | 443 | 14,0 | 455 | 13,3 | 454 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | | 11,6 | 441 | 10,8 | 437 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | | 9,7 | 429 | 8,9 | 425 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| 34,0 | | | | | | | | | | | | | | | | | | | | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | 1 |
| 2 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 0 | 2 |
| 3 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 46 | 3 |
| 4 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 46 | | 46 | 4 |
| 5 | | 0 | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 0 | | 93 | | 46 | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|------|------|------|------|------|------|------|------|------|-----|--------------------|-----|------|-----|------|-----|------|-----|------|------|
| Working radius (m) | Boom length (m) | | | | | | | | | | | Working radius (m) | | | | | | | | | |
| | 26,3 | 30,6 | 30,6 | 30,6 | 35,0 | 35,0 | 35,0 | 39,3 | 39,3 | 39,3 | | | | | | | | | | | |
| 3,0 | 81 | 89,1 | | | | | | | | | | | 3,0 | | | | | | | | |
| 3,5 | 80 | 89,1 | 82 | 33,7 | 82 | 49,8 | 82 | 74,2 | | | | | 3,5 | | | | | | | | |
| 4,0 | 79 | 89,1 | 81 | 31,8 | 81 | 49,8 | 81 | 73,1 | | | | | 4,0 | | | | | | | | |
| 4,5 | 78 | 89,1 | 80 | 30,1 | 80 | 49,8 | 80 | 68,9 | 82 | 30,5 | 82 | 45,1 | 82 | 55,1 | 4,5 | | | | | | |
| 5,0 | 77 | 89,1 | 79 | 28,5 | 79 | 49,8 | 79 | 65,1 | 81 | 29,1 | 81 | 45,1 | 81 | 55,1 | 5,0 | | | | | | |
| 6,0 | 74 | 80,5 | 77 | 25,9 | 77 | 49,8 | 77 | 58,6 | 79 | 26,6 | 79 | 45,1 | 79 | 53,5 | 81 | 26,1 | 81 | 41,4 | 81 | 32,2 | 6,0 |
| 7,0 | 72 | 65,5 | 75 | 23,6 | 75 | 47,0 | 75 | 53,2 | 77 | 24,5 | 77 | 45,1 | 77 | 48,7 | 79 | 24,5 | 79 | 41,4 | 79 | 32,1 | 7,0 |
| 8,0 | 70 | 53,6 | 73 | 21,7 | 73 | 44,4 | 73 | 48,6 | 76 | 22,7 | 76 | 45,1 | 76 | 44,7 | 78 | 22,7 | 78 | 41,4 | 78 | 30,1 | 8,0 |
| 9,0 | 67 | 42,5 | 71 | 20,1 | 71 | 42,2 | 71 | 41,5 | 74 | 21,1 | 74 | 43,6 | 74 | 41,2 | 76 | 21,0 | 76 | 38,4 | 76 | 28,3 | 9,0 |
| 10,0 | 65 | 34,6 | 69 | 18,6 | 69 | 38,2 | 69 | 33,7 | 72 | 19,7 | 72 | 37,2 | 72 | 34,9 | 75 | 19,6 | 75 | 35,7 | 75 | 26,7 | 10,0 |
| 11,0 | 62 | 28,6 | 67 | 17,4 | 67 | 32,1 | 67 | 27,7 | 70 | 18,5 | 70 | 31,1 | 70 | 28,9 | 73 | 18,4 | 73 | 30,2 | 73 | 25,3 | 11,0 |
| 12,0 | 60 | 24,2 | 65 | 16,3 | 65 | 27,5 | 65 | 23,3 | 69 | 17,4 | 69 | 26,6 | 69 | 24,5 | 72 | 17,2 | 72 | 25,7 | 72 | 24,0 | 12,0 |
| 14,0 | 54 | 17,7 | 61 | 14,4 | 61 | 20,7 | 61 | 16,9 | 65 | 15,6 | 65 | 19,9 | 65 | 18,0 | 68 | 15,2 | 68 | 19,1 | 68 | 20,8 | 14,0 |
| 16,0 | 48 | 13,3 | 56 | 12,9 | 56 | 16,2 | 56 | 12,6 | 61 | 14,1 | 61 | 15,4 | 61 | 13,6 | 65 | 13,6 | 65 | 14,6 | 65 | 16,2 | 16,0 |
| 18,0 | 42 | 10,2 | 51 | 11,7 | 51 | 12,9 | 51 | 9,5 | 57 | 12,8 | 57 | 12,2 | 57 | 10,5 | 62 | 12,3 | 62 | 11,4 | 62 | 13,0 | 18,0 |
| 20,0 | 34 | 7,9 | 46 | 10,7 | 46 | 10,5 | 46 | 7,2 | 53 | 11,8 | 53 | 9,8 | 53 | 8,1 | 58 | 11,2 | 58 | 9,1 | 58 | 10,5 | 20,0 |
| 22,0 | 24 | 6,1 | 40 | 9,8 | 40 | 8,6 | 40 | 5,4 | 49 | 10,0 | 49 | 7,9 | 49 | 6,3 | 55 | 9,9 | 55 | 7,2 | 55 | 8,6 | 22,0 |
| 24,0 | | | 33 | 8,3 | 33 | 7,1 | 33 | 4,0 | 44 | 8,5 | 44 | 6,4 | 44 | 4,9 | 51 | 8,3 | 51 | 5,7 | 51 | 7,1 | 24,0 |
| 26,0 | | | 24 | 7,1 | 24 | 5,9 | 24 | 2,8 | 39 | 7,2 | 39 | 5,2 | 39 | 3,7 | 47 | 7,1 | 47 | 4,5 | 47 | 5,9 | 26,0 |
| 28,0 | | | | | | | | | 32 | 6,2 | 32 | 4,2 | 32 | 2,7 | 42 | 6,0 | 42 | 3,5 | 42 | 4,9 | 28,0 |
| 30,0 | | | | | | | | 25 | 5,3 | 25 | 3,4 | 25 | 1,9 | 37 | 5,1 | 37 | 2,7 | 37 | 4,0 | 30,0 | |
| 32,0 | | | | | | | | | | | | | | 32 | 4,4 | 32 | 2,0 | 32 | 3,3 | 32,0 | |
| 34,0 | | | | | | | | | | | | | | 25 | 3,7 | 25 | 1,4 | 25 | 2,6 | 34,0 | |
| 36,0 | | | | | | | | | | | | | | 15 | 3,2 | | | 15 | 2,1 | 36,0 | |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | Tel. | | | | | | | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
load rating chart 99707789294

Counterweight 13,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length (m)

| Working radius (m) | 26,3 | | 30,6 | | 30,6 | | 30,6 | | 35,0 | | 35,0 | | 35,0 | | 39,3 | | 39,3 | | 39,3 | | Working radius (m) |
|--------------------|------------------------|------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| | 3,0 | 89,1 | 626 | | | | | | | | | | | | | | | | | | |
| 3,5 | 89,1 | 671 | 33,7 | 310 | 49,8 | 416 | 74,2 | 582 | | | | | | | | | | | | | 3,5 |
| 4,0 | 89,1 | 716 | 31,8 | 316 | 49,8 | 442 | 73,1 | 613 | | | | | | | | | | | | | 4,0 |
| 4,5 | 89,1 | 761 | 30,1 | 321 | 49,8 | 468 | 68,9 | 621 | 30,5 | 322 | 45,1 | 438 | 55,1 | 518 | | | | | | | 4,5 |
| 5,0 | 89,1 | 806 | 28,5 | 325 | 49,8 | 494 | 65,1 | 628 | 29,1 | 328 | 45,1 | 462 | 55,1 | 547 | | | | | | | 5,0 |
| 6,0 | 80,5 | 823 | 25,9 | 334 | 49,8 | 545 | 58,6 | 641 | 26,6 | 339 | 45,1 | 510 | 53,5 | 592 | 26,1 | 336 | 41,4 | 484 | 32,2 | 396 | 6,0 |
| 7,0 | 65,5 | 764 | 23,6 | 342 | 47,0 | 571 | 53,2 | 653 | 24,5 | 349 | 45,1 | 558 | 48,7 | 604 | 24,5 | 350 | 41,4 | 529 | 32,1 | 431 | 7,0 |
| 8,0 | 53,6 | 709 | 21,7 | 349 | 44,4 | 593 | 48,6 | 663 | 22,7 | 358 | 45,1 | 606 | 44,7 | 616 | 22,7 | 360 | 41,4 | 574 | 30,1 | 446 | 8,0 |
| 9,0 | 42,5 | 642 | 20,1 | 357 | 42,2 | 616 | 41,5 | 637 | 21,1 | 366 | 43,6 | 638 | 41,2 | 626 | 21,0 | 367 | 38,4 | 586 | 28,3 | 460 | 9,0 |
| 10,0 | 34,6 | 593 | 18,6 | 362 | 38,2 | 612 | 33,7 | 589 | 19,7 | 374 | 37,2 | 607 | 34,9 | 595 | 19,6 | 374 | 35,7 | 596 | 26,7 | 472 | 10,0 |
| 11,0 | 28,6 | 555 | 17,4 | 369 | 32,1 | 574 | 27,7 | 550 | 18,5 | 381 | 31,1 | 568 | 28,9 | 557 | 18,4 | 382 | 30,2 | 564 | 25,3 | 485 | 11,0 |
| 12,0 | 24,2 | 528 | 16,3 | 375 | 27,5 | 545 | 23,3 | 523 | 17,4 | 388 | 26,6 | 541 | 24,5 | 530 | 17,2 | 388 | 25,7 | 536 | 24,0 | 496 | 12,0 |
| 14,0 | 17,7 | 487 | 14,4 | 386 | 20,7 | 501 | 16,9 | 483 | 15,6 | 402 | 19,9 | 497 | 18,0 | 489 | 15,2 | 398 | 19,1 | 494 | 20,8 | 502 | 14,0 |
| 16,0 | 13,3 | 458 | 12,9 | 396 | 16,2 | 472 | 12,6 | 456 | 14,1 | 415 | 15,4 | 469 | 13,6 | 460 | 13,6 | 409 | 14,6 | 465 | 16,2 | 472 | 16,0 |
| 18,0 | 10,2 | 439 | 11,7 | 408 | 12,9 | 451 | 9,5 | 436 | 12,8 | 426 | 12,2 | 448 | 10,5 | 442 | 12,3 | 419 | 11,4 | 444 | 13,0 | 452 | 18,0 |
| 20,0 | 7,9 | 425 | 10,7 | 419 | 10,5 | 436 | 7,2 | 422 | 11,8 | 438 | 9,8 | 434 | 8,1 | 426 | 11,2 | 429 | 9,1 | 431 | 10,5 | 436 | 20,0 |
| 22,0 | 6,1 | 415 | 9,8 | 428 | 8,6 | 424 | 5,4 | 412 | 10,0 | 429 | 7,9 | 421 | 6,3 | 416 | 9,9 | 431 | 7,2 | 419 | 8,6 | 424 | 22,0 |
| 24,0 | | | 8,3 | 420 | 7,1 | 415 | 4,0 | 405 | 8,5 | 421 | 6,4 | 412 | 4,9 | 409 | 8,3 | 420 | 5,7 | 410 | 7,1 | 415 | 24,0 |
| 26,0 | | | 7,1 | 414 | 5,9 | 409 | 2,8 | 398 | 7,2 | 412 | 5,2 | 406 | 3,7 | 402 | 7,1 | 414 | 4,5 | 403 | 5,9 | 408 | 26,0 |
| 28,0 | | | | | | | | | 6,2 | 407 | 4,2 | 401 | 2,7 | 397 | 6,0 | 406 | 3,5 | 398 | 4,9 | 403 | 28,0 |
| 30,0 | | | | | | | | | 5,3 | 402 | 3,4 | 398 | 1,9 | 394 | 5,1 | 401 | 2,7 | 395 | 4,0 | 398 | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 4,4 | 398 | 2,0 | 392 | 3,3 | 395 | 32,0 |
| 34,0 | | | | | | | | | | | | | | | 3,7 | 393 | 1,4 | 391 | 2,6 | 390 | 34,0 |
| 36,0 | | | | | | | | | | | | | | | 3,2 | 393 | | | 2,1 | 390 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | | 44,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 1 |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 2 |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 3 |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 4 |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 46 | 46 | 93 | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | | | | | | | | | | |
|--------------------|------------------------|---|----|------|----|------|----|------|----|------|----|------|----|--------------------|----|------|----|------|----|------|---|------|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | | | | |
| | | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | | | 52,4 | | 52,4 | | 56,7 | | 60,0 | | |
| | | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 82 | 22,4 | 82 | 24,5 | 82 | 33,4 | | | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 81 | 22,4 | 81 | 24,5 | 81 | 33,4 | 82 | 19,5 | 82 | 26,9 | 82 | 22,3 | | | | | | | | | | | | 7,0 |
| 8,0 | 79 | 22,4 | 79 | 24,3 | 79 | 33,4 | 81 | 19,5 | 81 | 26,9 | 81 | 22,3 | 82 | 17,6 | 82 | 21,6 | | | | | | | | 8,0 |
| 9,0 | 78 | 21,6 | 78 | 22,9 | 78 | 33,4 | 80 | 19,5 | 80 | 26,9 | 80 | 22,3 | 81 | 17,6 | 81 | 21,6 | 82 | 17,0 | | | | | | 9,0 |
| 10,0 | 77 | 20,2 | 77 | 21,6 | 77 | 32,3 | 79 | 19,5 | 79 | 26,9 | 79 | 22,3 | 80 | 17,6 | 80 | 21,6 | 81 | 17,0 | 82 | 14,0 | | | | 10,0 |
| 11,0 | 75 | 19,0 | 75 | 20,4 | 75 | 30,1 | 77 | 18,8 | 77 | 26,0 | 77 | 21,6 | 79 | 17,6 | 79 | 21,2 | 80 | 17,0 | 81 | 14,0 | | | | 11,0 |
| 12,0 | 74 | 17,9 | 74 | 19,3 | 74 | 25,6 | 76 | 18,1 | 76 | 25,1 | 76 | 21,0 | 78 | 17,6 | 78 | 20,9 | 79 | 17,0 | 80 | 14,0 | | | | 12,0 |
| 14,0 | 71 | 16,1 | 71 | 17,5 | 71 | 19,0 | 74 | 16,4 | 74 | 19,3 | 74 | 19,1 | 75 | 16,6 | 75 | 19,2 | 77 | 16,4 | 78 | 14,0 | | | | 14,0 |
| 16,0 | 68 | 14,5 | 68 | 16,0 | 68 | 14,6 | 71 | 14,9 | 71 | 14,8 | 71 | 15,9 | 73 | 15,2 | 73 | 15,3 | 75 | 15,1 | 76 | 14,0 | | | | 16,0 |
| 18,0 | 65 | 13,2 | 65 | 13,4 | 65 | 11,4 | 68 | 13,7 | 68 | 11,6 | 68 | 12,7 | 71 | 13,2 | 71 | 12,1 | 73 | 12,6 | 74 | 12,7 | | | | 18,0 |
| 20,0 | 62 | 11,6 | 62 | 10,9 | 62 | 9,0 | 66 | 11,2 | 66 | 9,3 | 66 | 10,3 | 68 | 10,8 | 68 | 9,7 | 70 | 10,2 | 72 | 10,3 | | | | 20,0 |
| 22,0 | 59 | 9,7 | 59 | 9,0 | 59 | 7,2 | 63 | 9,3 | 63 | 7,4 | 63 | 8,4 | 66 | 8,9 | 66 | 7,8 | 68 | 8,3 | 70 | 8,4 | | | | 22,0 |
| 24,0 | 56 | 8,2 | 56 | 7,5 | 56 | 5,7 | 60 | 7,8 | 60 | 5,9 | 60 | 6,9 | 63 | 7,4 | 63 | 6,3 | 66 | 6,8 | 68 | 6,9 | | | | 24,0 |
| 26,0 | 53 | 6,9 | 53 | 6,3 | 53 | 4,5 | 57 | 6,5 | 57 | 4,7 | 57 | 5,7 | 61 | 6,1 | 61 | 5,1 | 64 | 5,6 | 66 | 5,6 | | | | 26,0 |
| 28,0 | 49 | 5,9 | 49 | 5,2 | 49 | 3,5 | 54 | 5,5 | 54 | 3,7 | 54 | 4,6 | 58 | 5,1 | 58 | 4,1 | 61 | 4,6 | 64 | 4,6 | | | | 28,0 |
| 30,0 | 45 | 5,0 | 45 | 4,4 | 45 | 2,7 | 51 | 4,6 | 51 | 2,9 | 51 | 3,8 | 55 | 4,3 | 55 | 3,3 | 59 | 3,7 | 61 | 3,8 | | | | 30,0 |
| 32,0 | 41 | 4,2 | 41 | 3,6 | 41 | 1,9 | 48 | 3,9 | 48 | 2,2 | 48 | 3,0 | 52 | 3,5 | 52 | 2,5 | 56 | 3,0 | 59 | 3,0 | | | | 32,0 |
| 34,0 | 37 | 3,6 | 37 | 3,0 | 37 | 1,3 | 44 | 3,2 | 44 | 1,5 | 44 | 2,4 | 50 | 2,9 | 50 | 1,9 | 54 | 2,4 | 57 | 2,4 | | | | 34,0 |
| 36,0 | 31 | 3,0 | 31 | 2,4 | | | 40 | 2,7 | | | 40 | 1,9 | 46 | 2,3 | 46 | 1,4 | 51 | 1,8 | 54 | 1,8 | | | | 36,0 |
| 38,0 | 25 | 2,5 | 25 | 1,9 | | | 36 | 2,2 | | | 36 | 1,4 | 43 | 1,8 | | | 48 | 1,3 | 52 | 1,3 | | | | 38,0 |
| 40,0 | 16 | 2,1 | 16 | 1,5 | | | 31 | 1,7 | | | | | 39 | 1,4 | | | | | | | | | | 40,0 |
| 42,0 | | | | | | | 26 | 1,3 | | | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | 18 | 1,0 | | | | | | | | | | | | | | | | 44,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 100 | 5 | | | | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789294

Counterweight 13,0 t

On outriggers, 360° working area


Outriggers fully extended, outrigger base 8,30 m

Boom length (m)

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|-----------------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|--------------------|------------|-----|------|
| | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | | 60,0 | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | m | F | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 22,4 | 306 | 24,5 | 328 | 33,4 | 416 | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 22,4 | 332 | 24,5 | 357 | 33,4 | 454 | 19,5 | 308 | 26,9 | 391 | 22,3 | 341 | | | | | | | | | | 7,0 |
| 8,0 | 22,4 | 358 | 24,3 | 383 | 33,4 | 492 | 19,5 | 331 | 26,9 | 423 | 22,3 | 368 | 17,6 | 315 | 21,6 | 365 | | | | | | 8,0 |
| 9,0 | 21,6 | 375 | 22,9 | 396 | 33,4 | 530 | 19,5 | 355 | 26,9 | 455 | 22,3 | 395 | 17,6 | 337 | 21,6 | 392 | 17,0 | 336 | | | | 9,0 |
| 10,0 | 20,2 | 383 | 21,6 | 407 | 32,3 | 555 | 19,5 | 379 | 26,9 | 487 | 22,3 | 422 | 17,6 | 360 | 21,6 | 419 | 17,0 | 358 | 14,0 | 321 | | 10,0 |
| 11,0 | 19,0 | 392 | 20,4 | 417 | 30,1 | 563 | 18,8 | 393 | 26,0 | 507 | 21,6 | 439 | 17,6 | 382 | 21,2 | 440 | 17,0 | 380 | 14,0 | 341 | | 11,0 |
| 12,0 | 17,9 | 399 | 19,3 | 426 | 25,6 | 536 | 18,1 | 407 | 25,1 | 526 | 21,0 | 457 | 17,6 | 404 | 20,9 | 463 | 17,0 | 402 | 14,0 | 360 | | 12,0 |
| 14,0 | 16,1 | 415 | 17,5 | 445 | 19,0 | 493 | 16,4 | 425 | 19,3 | 495 | 19,1 | 479 | 16,6 | 433 | 19,2 | 488 | 16,4 | 437 | 14,0 | 399 | | 14,0 |
| 16,0 | 14,5 | 427 | 16,0 | 463 | 14,6 | 466 | 14,9 | 440 | 14,8 | 466 | 15,9 | 471 | 15,2 | 451 | 15,3 | 468 | 15,1 | 457 | 14,0 | 438 | | 16,0 |
| 18,0 | 13,2 | 439 | 13,4 | 454 | 11,4 | 445 | 13,7 | 456 | 11,6 | 445 | 12,7 | 451 | 13,2 | 452 | 12,1 | 448 | 12,6 | 450 | 12,7 | 451 | | 18,0 |
| 20,0 | 11,6 | 440 | 10,9 | 437 | 9,0 | 430 | 11,2 | 439 | 9,3 | 432 | 10,3 | 436 | 10,8 | 438 | 9,7 | 433 | 10,2 | 435 | 10,3 | 437 | | 20,0 |
| 22,0 | 9,7 | 429 | 9,0 | 426 | 7,2 | 420 | 9,3 | 428 | 7,4 | 420 | 8,4 | 424 | 8,9 | 426 | 7,8 | 421 | 8,3 | 423 | 8,4 | 425 | | 22,0 |
| 24,0 | 8,2 | 420 | 7,5 | 417 | 5,7 | 411 | 7,8 | 419 | 5,9 | 411 | 6,9 | 415 | 7,4 | 417 | 6,3 | 412 | 6,8 | 414 | 6,9 | 416 | | 24,0 |
| 26,0 | 6,9 | 412 | 6,3 | 411 | 4,5 | 404 | 6,5 | 410 | 4,7 | 404 | 5,7 | 409 | 6,1 | 408 | 5,1 | 406 | 5,6 | 408 | 5,6 | 407 | | 26,0 |
| 28,0 | 5,9 | 407 | 5,2 | 403 | 3,5 | 399 | 5,5 | 405 | 3,7 | 399 | 4,6 | 401 | 5,1 | 403 | 4,1 | 401 | 4,6 | 403 | 4,6 | 402 | | 28,0 |
| 30,0 | 5,0 | 401 | 4,4 | 400 | 2,7 | 396 | 4,6 | 400 | 2,9 | 396 | 3,8 | 398 | 4,3 | 401 | 3,3 | 398 | 3,7 | 397 | 3,8 | 399 | | 30,0 |
| 32,0 | 4,2 | 396 | 3,6 | 395 | 1,9 | 391 | 3,9 | 397 | 2,2 | 394 | 3,0 | 393 | 3,5 | 395 | 2,5 | 392 | 3,0 | 395 | 3,0 | 394 | | 32,0 |
| 34,0 | 3,6 | 394 | 3,0 | 393 | 1,3 | 389 | 3,2 | 392 | | 389 | 2,4 | 391 | 2,9 | 393 | 1,9 | 391 | 2,4 | 393 | 2,4 | 392 | | 34,0 |
| 36,0 | 3,0 | 391 | 2,4 | 389 | | | 2,7 | 392 | | | 1,9 | 391 | 2,3 | 390 | 1,4 | 390 | 1,8 | 389 | 1,8 | 388 | | 36,0 |
| 38,0 | 2,5 | 388 | 1,9 | 387 | | | 2,2 | 390 | | | 1,4 | 388 | 1,8 | 387 | | | 1,3 | 387 | 1,3 | 386 | | 38,0 |
| 40,0 | 2,1 | 388 | 1,5 | 387 | | | 1,7 | 386 | | | | | 1,4 | 387 | | | | | | | | 40,0 |
| 42,0 | | | | | | | 1,3 | 384 | | | | | | | | | | | | | | 42,0 |
| 44,0 | | | | | | | 1,0 | 386 | | | | | | | | | | | | | | 44,0 |

| Tel. | Telescoping sequence % | | | | | | | | | | Tel. |
|------|------------------------|----|----|----|----|----|----|----|----|-----|------|
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | 1 |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | 4 |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 100 | 5 |


The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|--------|--------|----|------|----|--------|----|------|----|------|----|--------|----|-------|----|------|----|------|------|--------------------|
| Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | ∠ | 1) | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | |
| 3,0 | 70 | 150,0* | 140,0* | 76 | 53,3 | 76 | 120,0* | 79 | 39,0 | 79 | 54,6 | 79 | 115,6* | 79 | 101,2 | 81 | 40,5 | 81 | 52,9 | 3,0 | |
| 3,5 | 68 | 129,4* | 129,4* | 74 | 50,8 | 74 | 120,0* | 77 | 36,8 | 77 | 54,6 | 77 | 115,6* | 77 | 101,2 | 80 | 38,5 | 80 | 52,9 | 3,5 | |
| 4,0 | 65 | 113,6* | 113,6* | 72 | 48,4 | 72 | 113,4* | 76 | 34,8 | 76 | 52,3 | 76 | 112,6* | 76 | 101,2 | 79 | 36,7 | 79 | 52,9 | 4,0 | |
| 4,5 | 63 | 101,0 | 101,0 | 70 | 46,2 | 70 | 100,8 | 75 | 33,0 | 75 | 50,3 | 75 | 100,1 | 75 | 100,3 | 78 | 35,0 | 78 | 52,9 | 4,5 | |
| 5,0 | 60 | 90,9 | 90,9 | 69 | 44,2 | 69 | 90,7 | 73 | 31,3 | 73 | 48,3 | 73 | 90,0 | 73 | 91,2 | 77 | 33,3 | 77 | 51,1 | 5,0 | |
| 6,0 | 55 | 72,9 | 72,9 | 65 | 40,7 | 65 | 72,8 | 71 | 28,4 | 71 | 44,9 | 71 | 71,4 | 71 | 74,6 | 74 | 30,3 | 74 | 47,8 | 6,0 | |
| 7,0 | 49 | 49,9 | 49,7 | 61 | 37,7 | 61 | 49,5 | 68 | 26,0 | 68 | 41,7 | 68 | 48,4 | 68 | 51,0 | 72 | 27,7 | 72 | 44,8 | 7,0 | |
| 8,0 | 42 | 37,1 | 36,0 | 57 | 35,2 | 57 | 35,9 | 65 | 24,0 | 65 | 38,4 | 65 | 34,8 | 65 | 37,3 | 70 | 25,5 | 70 | 41,5 | 8,0 | |
| 9,0 | 34 | 29,0 | 27,2 | 53 | 30,1 | 53 | 27,0 | 62 | 22,2 | 62 | 31,7 | 62 | 26,1 | 62 | 28,3 | 67 | 23,6 | 67 | 32,0 | 9,0 | |
| 10,0 | 23 | 23,2 | 21,2 | 48 | 24,0 | 48 | 21,2 | 59 | 20,7 | 59 | 25,4 | 59 | 20,3 | 59 | 22,3 | 65 | 21,9 | 65 | 25,6 | 10,0 | |
| 11,0 | | | | 43 | 19,6 | 43 | 17,0 | 55 | 19,4 | 55 | 20,9 | 55 | 16,2 | 55 | 18,0 | 62 | 20,5 | 62 | 21,1 | 11,0 | |
| 12,0 | | | | 38 | 16,4 | 38 | 13,9 | 52 | 18,2 | 52 | 17,6 | 52 | 13,2 | 52 | 14,9 | 60 | 18,9 | 60 | 17,9 | 12,0 | |
| 14,0 | | | | 24 | 11,7 | 24 | 9,4 | 44 | 13,0 | 44 | 12,9 | 44 | 8,8 | 44 | 10,4 | 54 | 14,0 | 54 | 13,1 | 14,0 | |
| 16,0 | | | | | | | | 36 | 9,8 | 36 | 9,7 | 36 | 5,8 | 36 | 7,4 | 48 | 10,7 | 48 | 9,9 | 16,0 | |
| 18,0 | | | | | | | | 24 | 7,5 | 24 | 7,4 | 24 | 3,7 | 24 | 5,2 | 42 | 8,4 | 42 | 7,6 | 18,0 | |
| 20,0 | | | | | | | | | | | | | | | | 34 | 6,6 | 34 | 5,8 | 20,0 | |
| 22,0 | | | | | | | | | | | | | | | | 24 | 5,3 | 24 | 4,5 | 22,0 | |
| 24,0 | | | | | | | | | | | | | | | | | | | | 24,0 | |
| 26,0 | | | | | | | | | | | | | | | | | | | | 26,0 | |
| 28,0 | | | | | | | | | | | | | | | | | | | | 28,0 | |
| 30,0 | | | | | | | | | | | | | | | | | | | | 30,0 | |
| 32,0 | | | | | | | | | | | | | | | | | | | | 32,0 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | | 0 | | | 0 | | | 46 | | | 0 | | | 0 | | | 0 | 1 | |
| 2 | 0 | | | 0 | | 46 | | | 0 | | | 46 | | 46 | | 0 | | | 0 | 2 | |
| 3 | 0 | | | 0 | | 0 | | | 0 | | | 0 | | 46 | | 0 | | | 46 | 3 | |
| 4 | 0 | | | 0 | | 0 | | | 0 | | 46 | | | 0 | | 46 | | | 46 | 4 | |
| 5 | 0 | | | 46 | | 0 | | 93 | | 46 | | | 0 | | 0 | | 93 | | 46 | 5 | |


1) Over rear with superstructure locking pin engaged.

* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !

|  Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|-----|-------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|------|-----|------|-----|--------------------|
| Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789569 Counterweight 0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 150,0 | 826 | 140,0 | 925 | 53,3 | 420 | 120,0 | 811 | 39,0 | 333 | 54,6 | 423 | 115,6 | 788 | 101,2 | 699 | 40,5 | 338 | 52,9 | 412 | 3,0 |
| 3,5 | 129,4 | 768 | 129,4 | 927 | 50,8 | 432 | 120,0 | 870 | 36,8 | 340 | 54,6 | 451 | 115,6 | 845 | 101,2 | 749 | 38,5 | 347 | 52,9 | 440 | 3,5 |
| 4,0 | 113,6 | 724 | 113,6 | 885 | 48,4 | 443 | 113,4 | 885 | 34,8 | 347 | 52,3 | 464 | 112,6 | 882 | 101,2 | 800 | 36,7 | 355 | 52,9 | 467 | 4,0 |
| 4,5 | 101,0 | 689 | 101,0 | 852 | 46,2 | 453 | 100,8 | 851 | 33,0 | 353 | 50,3 | 477 | 100,1 | 849 | 100,3 | 843 | 35,0 | 363 | 52,9 | 494 | 4,5 |
| 5,0 | 90,9 | 661 | 90,9 | 826 | 44,2 | 462 | 90,7 | 825 | 31,3 | 359 | 48,3 | 488 | 90,0 | 823 | 91,2 | 824 | 33,3 | 368 | 51,1 | 508 | 5,0 |
| 6,0 | 72,9 | 603 | 72,9 | 765 | 40,7 | 480 | 72,8 | 765 | 28,4 | 369 | 44,9 | 509 | 71,4 | 757 | 74,6 | 775 | 30,3 | 379 | 47,8 | 533 | 6,0 |
| 7,0 | 49,9 | 490 | 49,7 | 622 | 37,7 | 496 | 49,5 | 621 | 26,0 | 378 | 41,7 | 526 | 48,4 | 615 | 51,0 | 629 | 27,7 | 388 | 44,8 | 554 | 7,0 |
| 8,0 | 37,1 | 427 | 36,0 | 534 | 35,2 | 512 | 35,9 | 534 | 24,0 | 388 | 38,4 | 537 | 34,8 | 528 | 37,3 | 542 | 25,5 | 396 | 41,5 | 567 | 8,0 |
| 9,0 | 29,0 | 388 | 27,2 | 477 | 30,1 | 494 | 27,0 | 476 | 22,2 | 396 | 31,7 | 503 | 26,1 | 471 | 28,3 | 483 | 23,6 | 404 | 32,0 | 505 | 9,0 |
| 10,0 | 23,2 | 360 | 21,2 | 437 | 24,0 | 454 | 21,2 | 438 | 20,7 | 404 | 25,4 | 462 | 20,3 | 433 | 22,3 | 444 | 21,9 | 410 | 25,6 | 462 | 10,0 |
| 11,0 | | | | | 19,6 | 426 | 17,0 | 412 | 19,4 | 412 | 20,9 | 433 | 16,2 | 407 | 18,0 | 417 | 20,5 | 417 | 21,1 | 433 | 11,0 |
| 12,0 | | | | | 16,4 | 406 | 13,9 | 392 | 18,2 | 419 | 17,6 | 412 | 13,2 | 389 | 14,9 | 398 | 18,9 | 419 | 17,9 | 414 | 12,0 |
| 14,0 | | | | | 11,7 | 376 | 9,4 | 364 | 13,0 | 383 | 12,9 | 383 | 8,8 | 362 | 10,4 | 370 | 14,0 | 388 | 13,1 | 383 | 14,0 |
| 16,0 | | | | | | | | | 9,8 | 363 | 9,7 | 363 | 5,8 | 343 | 7,4 | 352 | 10,7 | 366 | 9,9 | 363 | 16,0 |
| 18,0 | | | | | | | | | 7,5 | 349 | 7,4 | 348 | 3,7 | 331 | 5,2 | 338 | 8,4 | 352 | 7,6 | 349 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | | 6,6 | 340 | 5,8 | 337 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | | 5,3 | 334 | 4,5 | 330 | 22,0 |
| 24,0 | | | | | | | | | | | | | | | | | | | | | 24,0 |
| 26,0 | | | | | | | | | | | | | | | | | | | | | 26,0 |
| 28,0 | | | | | | | | | | | | | | | | | | | | | 28,0 |
| 30,0 | | | | | | | | | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 1 | | |
| 2 | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 2 | | |
| 3 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 3 | | |
| 4 | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 4 | | |
| 5 | 0 | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 93 | | 46 | | 5 | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|------|------|------|------|------|------|------|------|------|--------------------|------|----|------|-----|------|----|------|----|------|------|
| Working radius (m) | Boom length (m) | | | | | | | | | | Working radius (m) | | | | | | | | | | |
| | 26,3 | 30,6 | 30,6 | 30,6 | 35,0 | 35,0 | 35,0 | 39,3 | 39,3 | 39,3 | | | | | | | | | | | |
| 3,0 | 81 | 89,1 | | | | | | | | | | 3,0 | | | | | | | | | |
| 3,5 | 80 | 89,1 | 82 | 33,7 | 82 | 49,8 | 82 | 74,2 | | | | 3,5 | | | | | | | | | |
| 4,0 | 79 | 89,1 | 81 | 31,8 | 81 | 49,8 | 81 | 73,1 | | | | 4,0 | | | | | | | | | |
| 4,5 | 78 | 89,1 | 80 | 30,1 | 80 | 49,8 | 80 | 68,9 | 82 | 30,5 | 82 | 45,1 | 82 | 55,1 | 4,5 | | | | | | |
| 5,0 | 77 | 89,1 | 79 | 28,5 | 79 | 49,8 | 79 | 65,1 | 81 | 29,1 | 81 | 45,1 | 81 | 55,1 | 5,0 | | | | | | |
| 6,0 | 74 | 73,1 | 77 | 25,9 | 77 | 49,8 | 77 | 58,6 | 79 | 26,6 | 79 | 45,1 | 79 | 53,5 | 81 | 26,1 | 81 | 41,4 | 81 | 32,2 | 6,0 |
| 7,0 | 72 | 49,8 | 75 | 23,6 | 75 | 47,0 | 75 | 48,6 | 77 | 24,5 | 77 | 45,1 | 77 | 48,7 | 79 | 24,5 | 79 | 41,4 | 79 | 32,1 | 7,0 |
| 8,0 | 70 | 36,2 | 73 | 21,7 | 73 | 40,9 | 73 | 35,0 | 76 | 22,7 | 76 | 39,6 | 76 | 36,6 | 78 | 22,7 | 78 | 38,3 | 78 | 30,1 | 8,0 |
| 9,0 | 67 | 27,3 | 71 | 20,1 | 71 | 31,5 | 71 | 26,3 | 74 | 21,1 | 74 | 30,3 | 74 | 27,7 | 76 | 21,0 | 76 | 29,2 | 76 | 28,3 | 9,0 |
| 10,0 | 65 | 21,4 | 69 | 18,6 | 69 | 25,2 | 69 | 20,5 | 72 | 19,7 | 72 | 24,1 | 72 | 21,8 | 75 | 19,6 | 75 | 23,1 | 75 | 25,2 | 10,0 |
| 11,0 | 62 | 17,2 | 67 | 17,4 | 67 | 20,7 | 67 | 16,3 | 70 | 18,5 | 70 | 19,7 | 70 | 17,5 | 73 | 18,4 | 73 | 18,8 | 73 | 20,8 | 11,0 |
| 12,0 | 60 | 14,1 | 65 | 16,3 | 65 | 17,5 | 65 | 13,3 | 69 | 17,4 | 69 | 16,6 | 69 | 14,5 | 72 | 17,2 | 72 | 15,7 | 72 | 17,5 | 12,0 |
| 14,0 | 54 | 9,7 | 61 | 14,3 | 61 | 12,7 | 61 | 8,9 | 65 | 14,4 | 65 | 11,9 | 65 | 10,0 | 68 | 14,2 | 68 | 11,1 | 68 | 12,8 | 14,0 |
| 16,0 | 48 | 6,7 | 56 | 11,0 | 56 | 9,5 | 56 | 6,0 | 61 | 11,1 | 61 | 8,7 | 61 | 6,9 | 65 | 10,9 | 65 | 8,0 | 65 | 9,6 | 16,0 |
| 18,0 | 42 | 4,5 | 51 | 8,6 | 51 | 7,2 | 51 | 3,8 | 57 | 8,8 | 57 | 6,5 | 57 | 4,8 | 62 | 8,6 | 62 | 5,7 | 62 | 7,3 | 18,0 |
| 20,0 | 34 | 2,9 | 46 | 6,8 | 46 | 5,5 | 46 | 2,2 | 53 | 7,0 | 53 | 4,8 | 53 | 3,1 | 58 | 6,8 | 58 | 4,1 | 58 | 5,6 | 20,0 |
| 22,0 | | | 40 | 5,5 | 40 | 4,2 | | | 49 | 5,6 | 49 | 3,5 | | | 55 | 5,5 | 55 | 2,8 | 55 | 4,2 | 22,0 |
| 24,0 | | | 33 | 4,4 | 33 | 3,1 | | | 44 | 4,5 | 44 | 2,5 | | | 51 | 4,4 | | | 51 | 3,2 | 24,0 |
| 26,0 | | | 24 | 3,5 | 24 | 2,3 | | | 39 | 3,6 | | | | | 47 | 3,5 | | | 47 | 2,3 | 26,0 |
| 28,0 | | | | | | | | | 32 | 2,9 | | | | | 42 | 2,7 | | | 42 | 1,6 | 28,0 |
| 30,0 | | | | | | | | | 25 | 2,3 | | | | | 37 | 2,1 | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 32 | 1,6 | | | | | 32,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | Tel. | | | | | | | | | |
| 1 | 46 | 0 | 0 | 93 | 0 | 46 | 93 | 0 | 93 | 46 | 1 | | | | | | | | | | |
| 2 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 0 | 46 | 46 | 2 | | | | | | | | | | |
| 3 | 46 | 0 | 46 | 46 | 46 | 46 | 46 | 93 | 46 | 46 | 3 | | | | | | | | | | |
| 4 | 0 | 93 | 46 | 0 | 93 | 46 | 46 | 93 | 46 | 46 | 4 | | | | | | | | | | |
| 5 | 0 | 93 | 46 | 0 | 93 | 46 | 0 | 93 | 46 | 93 | 5 | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5


Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789569
Counterweight 0 t
 On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) | | |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|-----|------|
| | 26,3 | | 30,6 | | 30,6 | | 30,6 | | 35,0 | | 35,0 | | 35,0 | | 39,3 | | 39,3 | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | |
| 3,0 | 89,1 | 633 | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | 89,1 | 677 | 33,7 | 316 | 49,8 | 422 | 74,2 | 588 | | | | | | | | | | | | 3,5 | |
| 4,0 | 89,1 | 722 | 31,8 | 322 | 49,8 | 448 | 73,1 | 619 | | | | | | | | | | | | 4,0 | |
| 4,5 | 89,1 | 767 | 30,1 | 327 | 49,8 | 474 | 68,9 | 627 | 30,5 | 329 | 45,1 | 444 | 55,1 | 524 | | | | | | 4,5 | |
| 5,0 | 89,1 | 812 | 28,5 | 331 | 49,8 | 500 | 65,1 | 634 | 29,1 | 335 | 45,1 | 468 | 55,1 | 554 | | | | | | 5,0 | |
| 6,0 | 73,1 | 766 | 25,9 | 341 | 49,8 | 552 | 58,6 | 648 | 26,6 | 345 | 45,1 | 516 | 53,5 | 599 | 26,1 | 342 | 41,4 | 490 | 32,2 | 402 | 6,0 |
| 7,0 | 49,8 | 622 | 23,6 | 348 | 47,0 | 577 | 48,6 | 616 | 24,5 | 355 | 45,1 | 564 | 48,7 | 610 | 24,5 | 357 | 41,4 | 535 | 32,1 | 437 | 7,0 |
| 8,0 | 36,2 | 536 | 21,7 | 356 | 40,9 | 564 | 35,0 | 529 | 22,7 | 364 | 39,6 | 556 | 36,6 | 539 | 22,7 | 366 | 38,3 | 548 | 30,1 | 452 | 8,0 |
| 9,0 | 27,3 | 478 | 20,1 | 363 | 31,5 | 502 | 26,3 | 472 | 21,1 | 372 | 30,3 | 495 | 27,7 | 480 | 21,0 | 373 | 29,2 | 489 | 28,3 | 466 | 9,0 |
| 10,0 | 21,4 | 439 | 18,6 | 368 | 25,2 | 461 | 20,5 | 435 | 19,7 | 380 | 24,1 | 454 | 21,8 | 442 | 19,6 | 381 | 23,1 | 449 | 25,2 | 460 | 10,0 |
| 11,0 | 17,2 | 413 | 17,4 | 375 | 20,7 | 431 | 16,3 | 408 | 18,5 | 387 | 19,7 | 426 | 17,5 | 414 | 18,4 | 388 | 18,8 | 422 | 20,8 | 432 | 11,0 |
| 12,0 | 14,1 | 393 | 16,3 | 381 | 17,5 | 412 | 13,3 | 390 | 17,4 | 394 | 16,6 | 407 | 14,5 | 397 | 17,2 | 394 | 15,7 | 403 | 17,5 | 412 | 12,0 |
| 14,0 | 9,7 | 366 | 14,3 | 390 | 12,7 | 381 | 8,9 | 362 | 14,4 | 389 | 11,9 | 377 | 10,0 | 369 | 14,2 | 389 | 11,1 | 374 | 12,8 | 382 | 14,0 |
| 16,0 | 6,7 | 348 | 11,0 | 369 | 9,5 | 361 | 6,0 | 345 | 11,1 | 368 | 8,7 | 357 | 6,9 | 349 | 10,9 | 367 | 8,0 | 355 | 9,6 | 362 | 16,0 |
| 18,0 | 4,5 | 334 | 8,6 | 353 | 7,2 | 346 | 3,8 | 331 | 8,8 | 354 | 6,5 | 344 | 4,8 | 337 | 8,6 | 354 | 5,7 | 340 | 7,3 | 348 | 18,0 |
| 20,0 | 2,9 | 325 | 6,8 | 342 | 5,5 | 336 | 2,2 | 322 | 7,0 | 343 | 4,8 | 333 | 3,1 | 326 | 6,8 | 342 | 4,1 | 331 | 5,6 | 338 | 20,0 |
| 22,0 | | | 5,5 | 335 | 4,2 | 329 | | | 5,6 | 334 | 3,5 | 326 | | | 5,5 | 335 | 2,8 | 324 | 4,2 | 328 | 22,0 |
| 24,0 | | | 4,4 | 329 | 3,1 | 322 | | | 4,5 | 327 | 2,5 | 321 | | | 4,4 | 329 | | | 3,2 | 324 | 24,0 |
| 26,0 | | | 3,5 | 323 | 2,3 | 319 | | | 3,6 | 322 | | | | | 3,5 | 324 | | | 2,3 | 318 | 26,0 |
| 28,0 | | | | | | | | | 2,9 | 319 | | | | | 2,7 | 318 | | | 1,6 | 315 | 28,0 |
| 30,0 | | | | | | | | | 2,3 | 317 | | | | | 2,1 | 316 | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | 1,6 | 314 | | | | | 32,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 46 | | 0 | | 0 | | 93 | | 0 | | 46 | | 93 | | 0 | | 93 | | 46 | | 1 |
| 2 | 46 | | 0 | | 46 | | 46 | | 0 | | 46 | | 46 | | 0 | | 46 | | 46 | | 2 |
| 3 | 46 | | 0 | | 46 | | 46 | | 46 | | 46 | | 46 | | 93 | | 46 | | 46 | | 3 |
| 4 | 0 | | 93 | | 46 | | 0 | | 93 | | 46 | | 46 | | 93 | | 46 | | 46 | | 4 |
| 5 | 0 | | 93 | | 46 | | 0 | | 93 | | 46 | | 0 | | 93 | | 46 | | 93 | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | Working radius (m) | | | | | | | | | |
|--------------------|------------------------|--|------|------|------|------|------|------|------|------|------|--------------------|-----|------|----|------|-----|------|-----|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | |
| | | 43,7 | 43,7 | 43,7 | 48,0 | 48,0 | 48,0 | 52,4 | 52,4 | 56,7 | 60,0 | | | | | | | | | | |
| | | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | | | | | | | | |
| | | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | | | | | | | |
| 3,0 | | | | | | | | | | | | | 3,0 | | | | | | | | |
| 3,5 | | | | | | | | | | | | | 3,5 | | | | | | | | |
| 4,0 | | | | | | | | | | | | | 4,0 | | | | | | | | |
| 4,5 | | | | | | | | | | | | | 4,5 | | | | | | | | |
| 5,0 | | | | | | | | | | | | | 5,0 | | | | | | | | |
| 6,0 | 82 | 22,4 | 82 | 24,5 | 82 | 33,4 | | | | | | | 6,0 | | | | | | | | |
| 7,0 | 81 | 22,4 | 81 | 24,5 | 81 | 29,0 | 82 | 19,5 | 82 | 26,9 | 82 | 22,3 | 7,0 | | | | | | | | |
| 8,0 | 79 | 22,4 | 79 | 24,3 | 79 | 24,0 | 81 | 19,5 | 81 | 23,0 | 81 | 22,3 | 82 | 17,6 | 82 | 21,6 | 8,0 | | | | |
| 9,0 | 78 | 21,6 | 78 | 22,9 | 78 | 20,1 | 80 | 19,5 | 80 | 19,4 | 80 | 20,7 | 81 | 17,6 | 81 | 18,9 | 82 | 17,0 | 9,0 | | |
| 10,0 | 77 | 20,2 | 77 | 21,6 | 77 | 17,0 | 79 | 19,0 | 79 | 16,5 | 79 | 17,8 | 80 | 17,6 | 80 | 16,2 | 81 | 16,1 | 82 | 14,0 | 10,0 |
| 11,0 | 75 | 19,0 | 75 | 20,4 | 75 | 14,5 | 77 | 16,6 | 77 | 14,0 | 77 | 15,4 | 79 | 15,4 | 79 | 14,0 | 80 | 14,0 | 81 | 13,6 | 11,0 |
| 12,0 | 74 | 17,9 | 74 | 18,0 | 74 | 12,5 | 76 | 14,6 | 76 | 12,2 | 76 | 13,4 | 78 | 13,5 | 78 | 12,2 | 79 | 12,3 | 80 | 11,9 | 12,0 |
| 14,0 | 71 | 14,0 | 71 | 13,2 | 71 | 9,4 | 74 | 11,5 | 74 | 9,2 | 74 | 10,4 | 75 | 10,6 | 75 | 9,3 | 77 | 9,5 | 78 | 9,3 | 14,0 |
| 16,0 | 68 | 10,7 | 68 | 10,0 | 68 | 7,1 | 71 | 9,2 | 71 | 7,0 | 71 | 8,1 | 73 | 8,4 | 73 | 7,1 | 75 | 7,5 | 76 | 7,3 | 16,0 |
| 18,0 | 65 | 8,4 | 65 | 7,7 | 65 | 5,3 | 68 | 7,4 | 68 | 5,3 | 68 | 6,4 | 71 | 6,7 | 71 | 5,5 | 73 | 5,8 | 74 | 5,7 | 18,0 |
| 20,0 | 62 | 6,6 | 62 | 5,9 | 62 | 3,9 | 66 | 6,0 | 66 | 4,0 | 66 | 5,0 | 68 | 5,4 | 68 | 4,2 | 70 | 4,5 | 72 | 4,4 | 20,0 |
| 22,0 | 59 | 5,3 | 59 | 4,6 | 59 | 2,8 | 63 | 4,9 | 63 | 2,8 | 63 | 3,9 | 66 | 4,3 | 66 | 3,1 | 68 | 3,5 | 70 | 3,4 | 22,0 |
| 24,0 | 56 | 4,2 | 56 | 3,5 | | | 60 | 3,8 | 60 | 2,0 | 60 | 2,9 | 63 | 3,4 | 63 | 2,2 | 66 | 2,6 | 68 | 2,5 | 24,0 |
| 26,0 | 53 | 3,3 | 53 | 2,7 | | | 57 | 2,9 | | | 57 | 2,1 | 61 | 2,5 | | | 64 | 1,9 | 66 | 1,8 | 26,0 |
| 28,0 | 49 | 2,6 | 49 | 1,9 | | | 54 | 2,2 | | | | | 58 | 1,8 | | | | | | | 28,0 |
| 30,0 | 45 | 2,0 | | | | | 51 | 1,6 | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | Tel. | | | | | | | | | |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 100 | 5 | | | | | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !

|  Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|
| Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789569 Counterweight 0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | | | Working radius (m) |
| | 43,7 | | 43,7 | | 43,7 | | 48,0 | | 48,0 | | 48,0 | | 52,4 | | 52,4 | | 56,7 | | 60,0 | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | | | | | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | 22,4 | 402 | 24,5 | 334 | 33,4 | 422 | | | | | | | | | | | | | | | 6,0 |
| 7,0 | 22,4 | 437 | 24,5 | 363 | 29,0 | 419 | 19,5 | 314 | 26,9 | 398 | 22,3 | 347 | | | | | | | | | 7,0 |
| 8,0 | 22,4 | 452 | 24,3 | 389 | 24,0 | 402 | 19,5 | 338 | 23,0 | 389 | 22,3 | 374 | 17,6 | 321 | 21,6 | 371 | | | | | 8,0 |
| 9,0 | 21,6 | 466 | 22,9 | 402 | 20,1 | 387 | 19,5 | 361 | 19,4 | 377 | 20,7 | 383 | 17,6 | 343 | 18,9 | 368 | 17,0 | 342 | | | 9,0 |
| 10,0 | 20,2 | 460 | 21,6 | 413 | 17,0 | 376 | 19,0 | 379 | 16,5 | 367 | 17,8 | 373 | 17,6 | 366 | 16,2 | 359 | 16,1 | 353 | 14,0 | 327 | 10,0 |
| 11,0 | 19,0 | 432 | 20,4 | 423 | 14,5 | 366 | 16,6 | 371 | 14,0 | 357 | 15,4 | 365 | 15,4 | 359 | 14,0 | 353 | 14,0 | 347 | 13,6 | 342 | 11,0 |
| 12,0 | 17,9 | 412 | 18,0 | 414 | 12,5 | 359 | 14,6 | 364 | 12,2 | 352 | 13,4 | 357 | 13,5 | 353 | 12,2 | 347 | 12,3 | 343 | 11,9 | 337 | 12,0 |
| 14,0 | 14,0 | 382 | 13,2 | 384 | 9,4 | 348 | 11,5 | 353 | 9,2 | 342 | 10,4 | 348 | 10,6 | 344 | 9,3 | 338 | 9,5 | 334 | 9,3 | 331 | 14,0 |
| 16,0 | 10,7 | 362 | 10,0 | 364 | 7,1 | 340 | 9,2 | 346 | 7,0 | 335 | 8,1 | 339 | 8,4 | 337 | 7,1 | 330 | 7,5 | 330 | 7,3 | 326 | 16,0 |
| 18,0 | 8,4 | 348 | 7,7 | 349 | 5,3 | 333 | 7,4 | 339 | 5,3 | 329 | 6,4 | 334 | 6,7 | 332 | 5,5 | 326 | 5,8 | 324 | 5,7 | 321 | 18,0 |
| 20,0 | 6,6 | 338 | 5,9 | 337 | 3,9 | 328 | 6,0 | 335 | 4,0 | 326 | 5,0 | 329 | 5,4 | 329 | 4,2 | 323 | 4,5 | 320 | 4,4 | 317 | 20,0 |
| 22,0 | 5,3 | 328 | 4,6 | 330 | 2,8 | 325 | 4,9 | 332 | 2,8 | 320 | 3,9 | 326 | 4,3 | 326 | 3,1 | 319 | 3,5 | 318 | 3,4 | 315 | 22,0 |
| 24,0 | 4,2 | 324 | 3,5 | 323 | | | 3,8 | 325 | 2,0 | 320 | 2,9 | 322 | 3,4 | 324 | 2,2 | 316 | 2,6 | 316 | 2,5 | 312 | 24,0 |
| 26,0 | 3,3 | 318 | 2,7 | 321 | | | 2,9 | 320 | | | 2,1 | 319 | 2,5 | 318 | | | 1,9 | 315 | 1,8 | 312 | 26,0 |
| 28,0 | 2,6 | 315 | 1,9 | 315 | | | 2,2 | 317 | | | | | 1,8 | 315 | | | | | | | 28,0 |
| 30,0 | 2,0 | 316 | | | | | 1,6 | 315 | | | | | | | | | | | | | 30,0 |
| 32,0 | | | | | | | | | | | | | | | | | | | | | 32,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | 46 | 93 | 0 | 93 | 46 | 93 | 46 | 93 | 93 | 100 | 1 | | | | | | | | | |
| 2 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 2 | | | | | | | | | |
| 3 | 93 | 46 | 46 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 100 | 3 | | | | | | | | | |
| 4 | 93 | 93 | 46 | 93 | 46 | 93 | 93 | 93 | 93 | 93 | 100 | 4 | | | | | | | | | |
| 5 | 93 | 93 | 46 | 93 | 46 | 46 | 93 | 46 | 93 | 93 | 100 | 5 | | | | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | Working radius (m) | | | | |
|--------------------|----|--|----|------|----|------|----|------|----|------|----|------|----|------|-----|------|-----|--------------------|-----|------|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | | | | | | |
| | | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | | | |
| | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | ° | | | | |
| | | / | | / | | / | | / | | / | | / | | / | | / | | / | | | | |
| 3,0 | 70 | 113,0* | 76 | 53,3 | 76 | 89,4 | 79 | 39,0 | 79 | 54,6 | 79 | 71,9 | 79 | 75,2 | 81 | 40,5 | 81 | 52,9 | 81 | 52,9 | 3,0 | |
| 3,5 | 68 | 80,7 | 74 | 50,8 | 74 | 66,9 | 77 | 36,8 | 77 | 54,6 | 77 | 55,2 | 77 | 58,3 | 80 | 38,5 | 80 | 52,9 | 80 | 52,9 | 3,5 | |
| 4,0 | 65 | 61,5 | 72 | 48,4 | 72 | 52,2 | 76 | 34,8 | 76 | 51,1 | 76 | 44,4 | 76 | 47,1 | 79 | 36,7 | 79 | 45,8 | 79 | 45,8 | 4,0 | |
| 4,5 | 63 | 49,0 | 70 | 46,2 | 70 | 42,6 | 75 | 33,0 | 75 | 43,0 | 75 | 36,6 | 75 | 39,1 | 78 | 35,0 | 78 | 39,0 | 78 | 39,0 | 4,5 | |
| 5,0 | 60 | 40,0 | 69 | 39,0 | 69 | 35,5 | 73 | 31,3 | 73 | 36,7 | 73 | 30,9 | 73 | 33,1 | 77 | 33,3 | 77 | 33,7 | 77 | 33,7 | 5,0 | |
| 6,0 | 55 | 29,0 | 65 | 29,1 | 65 | 26,0 | 71 | 28,2 | 71 | 28,0 | 71 | 22,6 | 71 | 24,8 | 74 | 27,2 | 74 | 26,0 | 74 | 26,0 | 6,0 | |
| 7,0 | 49 | 21,6 | 61 | 22,7 | 61 | 19,8 | 68 | 22,4 | 68 | 22,1 | 68 | 17,0 | 68 | 19,2 | 72 | 22,0 | 72 | 20,9 | 72 | 20,9 | 7,0 | |
| 8,0 | 42 | 16,0 | 57 | 18,1 | 57 | 15,5 | 65 | 18,2 | 65 | 18,1 | 65 | 13,5 | 65 | 15,1 | 70 | 18,2 | 70 | 17,1 | 70 | 17,1 | 8,0 | |
| 9,0 | 34 | 12,2 | 53 | 14,5 | 53 | 12,1 | 62 | 15,1 | 62 | 15,0 | 62 | 10,5 | 62 | 12,2 | 67 | 15,2 | 67 | 14,2 | 67 | 14,2 | 9,0 | |
| 10,0 | 23 | 9,4 | 48 | 11,6 | 48 | 9,3 | 59 | 12,7 | 59 | 12,5 | 59 | 8,2 | 59 | 9,9 | 65 | 13,0 | 65 | 12,0 | 65 | 12,0 | 10,0 | |
| 11,0 | | | 43 | 9,8 | 43 | 7,2 | 55 | 10,7 | 55 | 10,5 | 55 | 6,5 | 55 | 8,1 | 62 | 11,1 | 62 | 10,2 | 62 | 10,2 | 11,0 | |
| 12,0 | | | 38 | 8,5 | 38 | 5,6 | 52 | 8,9 | 52 | 8,8 | 52 | 4,9 | 52 | 6,5 | 60 | 9,7 | 60 | 8,7 | 60 | 8,7 | 12,0 | |
| 14,0 | | | 24 | 5,1 | 24 | 3,1 | 44 | 6,3 | 44 | 6,2 | 44 | 2,5 | 44 | 4,0 | 54 | 7,2 | 54 | 6,4 | 54 | 6,4 | 14,0 | |
| 16,0 | | | | | | | 36 | 4,4 | 36 | 4,3 | | | | 36 | 2,2 | 48 | 5,3 | 48 | 4,5 | 48 | 4,5 | 16,0 |
| 18,0 | | | | | | | 24 | 3,0 | 24 | 2,9 | | | | | | 42 | 3,8 | 42 | 3,1 | 42 | 3,1 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | | 34 | 2,8 | 34 | 2,0 | 34 | 2,0 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | | 24 | 1,9 | 24 | 1,2 | 24 | 1,2 | 22,0 |
| Tel. | | Telescoping sequence % | | | | | | | | | | | | | | | | Tel. | | | | |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 2 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 46 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 46 | 0 | 3 | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 46 | 46 | 0 | 46 | 0 | 46 | 0 | 4 | |
| 5 | 0 | 46 | 0 | 0 | 93 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 46 | 0 | 46 | 0 | 46 | 0 | 5 | |

* With additional lifting equipment.

The operation manual and the notes to the load rating chart have to be observed !



Stützkrafttabelle ATF 160G-5

Outrigger reaction force F in (kN)

Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom, load rating chart 99707789296

Counterweight 0 t

On outriggers, 360° working area

Outriggers half extended, outrigger base 5,60 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--------------------|
| | 13,2 | | 17,6 | | 17,6 | | 21,9 | | 21,9 | | 21,9 | | 21,9 | | 26,3 | | 26,3 | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 113,0 | 867 | 53,3 | 461 | 89,4 | 711 | 39,0 | 361 | 54,6 | 465 | 71,9 | 599 | 75,2 | 613 | 40,5 | 366 | 52,9 | 452 | 3,0 |
| 3,5 | 80,7 | 707 | 50,8 | 480 | 66,9 | 608 | 36,8 | 373 | 54,6 | 502 | 55,2 | 527 | 58,3 | 541 | 38,5 | 379 | 52,9 | 488 | 3,5 |
| 4,0 | 61,5 | 611 | 48,4 | 497 | 52,2 | 539 | 34,8 | 383 | 51,1 | 512 | 44,4 | 482 | 47,1 | 494 | 36,7 | 392 | 45,8 | 469 | 4,0 |
| 4,5 | 49,0 | 549 | 46,2 | 512 | 42,6 | 495 | 33,0 | 393 | 43,0 | 478 | 36,6 | 449 | 39,1 | 460 | 35,0 | 404 | 39,0 | 443 | 4,5 |
| 5,0 | 40,0 | 502 | 39,0 | 480 | 35,5 | 463 | 31,3 | 402 | 36,7 | 451 | 30,9 | 426 | 33,1 | 435 | 33,3 | 413 | 33,7 | 423 | 5,0 |
| 6,0 | 29,0 | 449 | 29,1 | 435 | 26,0 | 419 | 28,2 | 416 | 28,0 | 415 | 22,6 | 390 | 24,8 | 400 | 27,2 | 398 | 26,0 | 393 | 6,0 |
| 7,0 | 21,6 | 411 | 22,7 | 406 | 19,8 | 391 | 22,4 | 392 | 22,1 | 390 | 17,0 | 365 | 19,2 | 377 | 22,0 | 379 | 20,9 | 374 | 7,0 |
| 8,0 | 16,0 | 377 | 18,1 | 384 | 15,5 | 372 | 18,2 | 374 | 18,1 | 374 | 13,5 | 353 | 15,1 | 358 | 18,2 | 365 | 17,1 | 359 | 8,0 |
| 9,0 | 12,2 | 355 | 14,5 | 365 | 12,1 | 355 | 15,1 | 361 | 15,0 | 361 | 10,5 | 339 | 12,2 | 347 | 15,2 | 353 | 14,2 | 348 | 9,0 |
| 10,0 | 9,4 | 338 | 11,6 | 349 | 9,3 | 338 | 12,7 | 352 | 12,5 | 350 | 8,2 | 329 | 9,9 | 337 | 13,0 | 345 | 12,0 | 340 | 10,0 |
| 11,0 | | | 9,8 | 343 | 7,2 | 326 | 10,7 | 343 | 10,5 | 341 | 6,5 | 323 | 8,1 | 330 | 11,1 | 337 | 10,2 | 333 | 11,0 |
| 12,0 | | | 8,5 | 341 | 5,6 | 318 | 8,9 | 333 | 8,8 | 332 | 4,9 | 315 | 6,5 | 323 | 9,7 | 333 | 8,7 | 328 | 12,0 |
| 14,0 | | | 5,1 | 313 | 3,1 | 305 | 6,3 | 319 | 6,2 | 318 | 2,5 | 303 | 4,0 | 310 | 7,2 | 322 | 6,4 | 319 | 14,0 |
| 16,0 | | | | | | | 4,4 | 308 | 4,3 | 308 | | | 2,2 | 300 | 5,3 | 312 | 4,5 | 309 | 16,0 |
| 18,0 | | | | | | | 3,0 | 301 | 2,9 | 300 | | | | | 3,8 | 302 | 3,1 | 301 | 18,0 |
| 20,0 | | | | | | | | | | | | | | | 2,8 | 299 | 2,0 | 295 | 20,0 |
| 22,0 | | | | | | | | | | | | | | | 1,9 | 294 | 1,2 | 293 | 22,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 0 | | 1 |
| 2 | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 0 | | 0 | | 2 |
| 3 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 46 | | 3 |
| 4 | 0 | | 0 | | 0 | | 0 | | 46 | | 0 | | 0 | | 46 | | 46 | | 4 |
| 5 | 0 | | 46 | | 0 | | 93 | | 46 | | 0 | | 0 | | 93 | | 46 | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|----|---|----|------|--|--|--|--|--|--|--|--|--|--------------------|--|---|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom Counterweight 0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | |
| | | Boom length (m) | | | | | | | | | | | | | | | |
| | | 26,3 | | 30,6 | | | | | | | | | | | | | |
| 3,0 | 81 | 62,3 | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 80 | 49,4 | 82 | 33,7 | | | | | | | | | | | | | 3,5 |
| 4,0 | 79 | 40,4 | 81 | 31,8 | | | | | | | | | | | | | 4,0 |
| 4,5 | 78 | 34,1 | 80 | 30,1 | | | | | | | | | | | | | 4,5 |
| 5,0 | 77 | 28,9 | 79 | 28,5 | | | | | | | | | | | | | 5,0 |
| 6,0 | 74 | 21,4 | 77 | 25,5 | | | | | | | | | | | | | 6,0 |
| 7,0 | 72 | 16,9 | 75 | 20,7 | | | | | | | | | | | | | 7,0 |
| 8,0 | 70 | 13,3 | 73 | 17,4 | | | | | | | | | | | | | 8,0 |
| 9,0 | 67 | 10,5 | 71 | 14,6 | | | | | | | | | | | | | 9,0 |
| 10,0 | 65 | 8,5 | 69 | 12,5 | | | | | | | | | | | | | 10,0 |
| 11,0 | 62 | 6,9 | 67 | 10,8 | | | | | | | | | | | | | 11,0 |
| 12,0 | 60 | 5,5 | 65 | 9,4 | | | | | | | | | | | | | 12,0 |
| 14,0 | 54 | 3,3 | 61 | 7,2 | | | | | | | | | | | | | 14,0 |
| 16,0 | | | 56 | 5,5 | | | | | | | | | | | | | 16,0 |
| 18,0 | | | 51 | 4,0 | | | | | | | | | | | | | 18,0 |
| 20,0 | | | 46 | 2,9 | | | | | | | | | | | | | 20,0 |
| 22,0 | | | 40 | 2,1 | | | | | | | | | | | | | 22,0 |
| Tel. | | Telescoping sequence % | | | | | | | | | | | | Tel. | | | |
| 1 | 46 | 0 | | | | | | | | | | | | | | 1 | |
| 2 | 46 | 0 | | | | | | | | | | | | | | 2 | |
| 3 | 46 | 0 | | | | | | | | | | | | | | 3 | |
| 4 | 0 | 93 | | | | | | | | | | | | | | 4 | |
| 5 | 0 | 93 | | | | | | | | | | | | | | 5 | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
 Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at telescopic boom,
 load rating chart 99707789296
Counterweight 0 t
 On outriggers, 360° working area
Outriggers half extended, outrigger base 5,60 m

| Working radius (m) | Boom length (m) | | | | | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|-----|------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|------|
| | 26,3 | | 30,6 | | | | | | | | | | | | | | | |
| | m | F | m | F | | | | | | | | | | | | | | |
| 3,0 | 62,3 | 531 | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 49,4 | 481 | 33,7 | 344 | | | | | | | | | | | | | | 3,5 |
| 4,0 | 40,4 | 446 | 31,8 | 353 | | | | | | | | | | | | | | 4,0 |
| 4,5 | 34,1 | 423 | 30,1 | 361 | | | | | | | | | | | | | | 4,5 |
| 5,0 | 28,9 | 402 | 28,5 | 368 | | | | | | | | | | | | | | 5,0 |
| 6,0 | 21,4 | 371 | 25,5 | 379 | | | | | | | | | | | | | | 6,0 |
| 7,0 | 16,9 | 356 | 20,7 | 362 | | | | | | | | | | | | | | 7,0 |
| 8,0 | 13,3 | 342 | 17,4 | 353 | | | | | | | | | | | | | | 8,0 |
| 9,0 | 10,5 | 330 | 14,6 | 342 | | | | | | | | | | | | | | 9,0 |
| 10,0 | 8,5 | 324 | 12,5 | 335 | | | | | | | | | | | | | | 10,0 |
| 11,0 | 6,9 | 319 | 10,8 | 330 | | | | | | | | | | | | | | 11,0 |
| 12,0 | 5,5 | 314 | 9,4 | 326 | | | | | | | | | | | | | | 12,0 |
| 14,0 | 3,3 | 306 | 7,2 | 319 | | | | | | | | | | | | | | 14,0 |
| 16,0 | | | 5,5 | 313 | | | | | | | | | | | | | | 16,0 |
| 18,0 | | | 4,0 | 303 | | | | | | | | | | | | | | 18,0 |
| 20,0 | | | 2,9 | 298 | | | | | | | | | | | | | | 20,0 |
| 22,0 | | | 2,1 | 295 | | | | | | | | | | | | | | 22,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | Tel. | |
| 1 | 46 | | 0 | | | | | | | | | | | | | | | 1 |
| 2 | 46 | | 0 | | | | | | | | | | | | | | | 2 |
| 3 | 46 | | 0 | | | | | | | | | | | | | | | 3 |
| 4 | 0 | | 93 | | | | | | | | | | | | | | | 4 |
| 5 | 0 | | 93 | | | | | | | | | | | | | | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition,
 dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | | | | | |
|--------------------|------------------------|--|-----|------|----------------------|------------------------------|-----|----------------------|-----|------------------------------|----------------------|------|-----|--------------------|------|------|-----|------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 51,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | |
| | | Boom length 13,2 m | | | | Boom length 13,2 m to 35,0 m | | | | Boom length 13,2 m to 43,7 m | | | | | | | | | |
| | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | | | | | |
| | | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | | | | | |
| 3,0 | 76 | 33,2 | | | | | | | | | | | | | 3,0 | | | | |
| 3,5 | 74 | 31,4 | 80 | 23,7 | | | | | | | | | | | 3,5 | | | | |
| 4,0 | 73 | 30,6 | 78 | 22,5 | | | | | | | | | | | 4,0 | | | | |
| 4,5 | 71 | 29,1 | 77 | 22,2 | 81 | 18,5 | | | | | | | | | 4,5 | | | | |
| 5,0 | 70 | 28,4 | 75 | 21,6 | 79 | 18,2 | 82 | 25,6 | | | | | | | 5,0 | | | | |
| 6,0 | 66 | 26,0 | 72 | 20,5 | 76 | 17,9 | 80 | 25,6 | | | | | | | 6,0 | | | | |
| 7,0 | 63 | 24,5 | 68 | 19,8 | 72 | 17,5 | 79 | 25,6 | 81 | 20,9 | | | 81 | 17,1 | 7,0 | | | | |
| 8,0 | 59 | 22,9 | 64 | 19,0 | 68 | 17,2 | 78 | 25,6 | 80 | 20,3 | | | 80 | 16,3 | 8,0 | | | | |
| 9,0 | 56 | 21,6 | 61 | 18,5 | 64 | 16,9 | 76 | 25,4 | 79 | 19,8 | 80 | 17,2 | 79 | 15,6 | 81 | 13,7 | 9,0 | | |
| 10,0 | 52 | 20,5 | 57 | 18,0 | 60 | 16,8 | 75 | 24,5 | 77 | 19,4 | 79 | 16,9 | 78 | 15,0 | 80 | 13,2 | 82 | 12,1 | 10,0 |
| 11,0 | 48 | 19,6 | 52 | 17,5 | 56 | 16,8 | 74 | 23,8 | 76 | 19,0 | 78 | 16,7 | 77 | 14,5 | 79 | 12,8 | 80 | 11,8 | 11,0 |
| 12,0 | 43 | 18,8 | 48 | 17,2 | 51 | 16,8 | 72 | 23,0 | 74 | 18,5 | 76 | 16,5 | 76 | 14,0 | 78 | 12,4 | 79 | 11,4 | 12,0 |
| 14,0 | 33 | 17,5 | 37 | 16,8 | | | 69 | 20,8 | 71 | 17,8 | 73 | 16,1 | 73 | 13,1 | 75 | 11,7 | 77 | 10,9 | 14,0 |
| 16,0 | 15 | 16,8 | | | | | 66 | 18,9 | 68 | 17,1 | 70 | 15,8 | 71 | 12,3 | 73 | 11,1 | 74 | 10,4 | 16,0 |
| 18,0 | | | | | | | 63 | 17,3 | 65 | 16,6 | 67 | 15,6 | 69 | 11,7 | 70 | 10,6 | 72 | 9,9 | 18,0 |
| 20,0 | | | | | | | 60 | 15,9 | 62 | 15,6 | 63 | 15,4 | 66 | 11,1 | 68 | 10,1 | 69 | 9,6 | 20,0 |
| 22,0 | | | | | | | 56 | 14,7 | 58 | 14,4 | 60 | 14,3 | 64 | 10,6 | 65 | 9,7 | 67 | 9,2 | 22,0 |
| 24,0 | | | | | | | 53 | 13,7 | 55 | 13,5 | 56 | 13,3 | 61 | 10,2 | 63 | 9,4 | 64 | 8,9 | 24,0 |
| 26,0 | | | | | | | 49 | 12,8 | 51 | 12,6 | 52 | 12,5 | 58 | 9,8 | 60 | 9,1 | 61 | 8,7 | 26,0 |
| 28,0 | | | | | | | 45 | 12,0 | 47 | 11,8 | 48 | 11,8 | 56 | 9,4 | 57 | 8,8 | 58 | 8,5 | 28,0 |
| 30,0 | | | | | | | 40 | 11,2 | 42 | 11,2 | 43 | 11,1 | 53 | 9,1 | 54 | 8,6 | 55 | 8,3 | 30,0 |
| 32,0 | | | | | | | 35 | 10,0 | 37 | 10,1 | | | 50 | 8,9 | 51 | 8,3 | 52 | 8,1 | 32,0 |
| 34,0 | | | | | | | 29 | 8,8 | 31 | 8,9 | | | 46 | 8,4 | 48 | 8,2 | 49 | 7,9 | 34,0 |
| 36,0 | | | | | | | 22 | 7,8 | 23 | 7,8 | | | 43 | 7,8 | 44 | 7,8 | 45 | 7,8 | 36,0 |
| 38,0 | | | | | | | | | | | | | 39 | 7,2 | 40 | 7,2 | 41 | 7,3 | 38,0 |
| 40,0 | | | | | | | | | | | | | 35 | 6,6 | 36 | 6,7 | | | 40,0 |
| 44,0 | | | | | | | | | | | | | 23 | 5,2 | 25 | 5,2 | | | 44,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | 48,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | 52,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | 56,0 |
| 60,0 | | | | | | | | | | | | | | | | | | | 60,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | Tel. | | | | |
| 1 | 0 | | | | 93 | | | | 93 | | | | 1 | | | | | | |
| 2 | 0 | | | | 46 | | | | 93 | | | | 2 | | | | | | |
| 3 | 0 | | | | 46 | | | | 46 | | | | 3 | | | | | | |
| 4 | 0 | | | | 46 | | | | 46 | | | | 4 | | | | | | |
| 5 | 0 | | | | 0 | | | | 46 | | | | 5 | | | | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789201


Counterweight 51,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | | | Working radius (m) |
|--------------------|---|-----|------|-----|------|-----|------------------------------|-----|------|-----|------|-----|------------------------------|-----|------|-----|------|-----|--------------------|
| | Boom length 13,2 m | | | | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | |
| | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 3,0 | 33,2 | 489 | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 31,4 | 471 | 23,7 | 483 | | | | | | | | | | | | | | | 3,5 |
| 4,0 | 30,6 | 454 | 22,5 | 470 | | | | | | | | | | | | | | | 4,0 |
| 4,5 | 29,1 | 439 | 22,2 | 456 | 18,5 | 469 | | | | | | | | | | | | | 4,5 |
| 5,0 | 28,4 | 423 | 21,6 | 444 | 18,2 | 458 | 25,6 | 419 | | | | | | | | | | | 5,0 |
| 6,0 | 26,0 | 397 | 20,5 | 420 | 17,9 | 434 | 25,6 | 388 | | | | | | | | | | | 6,0 |
| 7,0 | 24,5 | 372 | 19,8 | 397 | 17,5 | 412 | 25,6 | 366 | 20,9 | 385 | | | 17,1 | 389 | | | | | 7,0 |
| 8,0 | 22,9 | 356 | 19,0 | 375 | 17,2 | 390 | 25,6 | 397 | 20,3 | 361 | | | 16,3 | 369 | | | | | 8,0 |
| 9,0 | 21,6 | 369 | 18,5 | 354 | 16,9 | 368 | 25,4 | 426 | 19,8 | 351 | 17,2 | 361 | 15,6 | 351 | 13,7 | 373 | | | 9,0 |
| 10,0 | 20,5 | 382 | 18,0 | 344 | 16,8 | 346 | 24,5 | 446 | 19,4 | 372 | 16,9 | 339 | 15,0 | 333 | 13,2 | 356 | 12,1 | 372 | 10,0 |
| 11,0 | 19,6 | 395 | 17,5 | 361 | 16,8 | 347 | 23,8 | 467 | 19,0 | 392 | 16,7 | 352 | 14,5 | 341 | 12,8 | 339 | 11,8 | 356 | 11,0 |
| 12,0 | 18,8 | 408 | 17,2 | 380 | 16,8 | 370 | 23,0 | 485 | 18,5 | 411 | 16,5 | 373 | 14,0 | 354 | 12,4 | 323 | 11,4 | 341 | 12,0 |
| 14,0 | 17,5 | 435 | 16,8 | 419 | | | 20,8 | 508 | 17,8 | 449 | 16,1 | 413 | 13,1 | 380 | 11,7 | 347 | 10,9 | 325 | 14,0 |
| 16,0 | 16,8 | 468 | | | | | 18,9 | 528 | 17,1 | 485 | 15,8 | 454 | 12,3 | 405 | 11,1 | 373 | 10,4 | 351 | 16,0 |
| 18,0 | | | | | | | 17,3 | 547 | 16,6 | 523 | 15,6 | 495 | 11,7 | 430 | 10,6 | 398 | 9,9 | 376 | 18,0 |
| 20,0 | | | | | | | 15,9 | 564 | 15,6 | 548 | 15,4 | 536 | 11,1 | 454 | 10,1 | 422 | 9,6 | 403 | 20,0 |
| 22,0 | | | | | | | 14,7 | 581 | 14,4 | 564 | 14,3 | 556 | 10,6 | 477 | 9,7 | 446 | 9,2 | 427 | 22,0 |
| 24,0 | | | | | | | 13,7 | 598 | 13,5 | 584 | 13,3 | 574 | 10,2 | 501 | 9,4 | 472 | 8,9 | 452 | 24,0 |
| 26,0 | | | | | | | 12,8 | 615 | 12,6 | 601 | 12,5 | 594 | 9,8 | 524 | 9,1 | 496 | 8,7 | 479 | 26,0 |
| 28,0 | | | | | | | 12,0 | 631 | 11,8 | 617 | 11,8 | 614 | 9,4 | 545 | 8,8 | 519 | 8,5 | 505 | 28,0 |
| 30,0 | | | | | | | 11,2 | 644 | 11,2 | 637 | 11,1 | 632 | 9,1 | 568 | 8,6 | 544 | 8,3 | 530 | 30,0 |
| 32,0 | | | | | | | 10,0 | 641 | 10,1 | 639 | | | 8,9 | 593 | 8,3 | 565 | 8,1 | 555 | 32,0 |
| 34,0 | | | | | | | 8,8 | 634 | 8,9 | 633 | | | 8,4 | 607 | 8,2 | 592 | 7,9 | 579 | 34,0 |
| 36,0 | | | | | | | 7,8 | 630 | 7,8 | 627 | | | 7,8 | 615 | 7,8 | 609 | 7,8 | 606 | 36,0 |
| 38,0 | | | | | | | | | | | | | 7,2 | 621 | 7,2 | 616 | 7,3 | 618 | 38,0 |
| 40,0 | | | | | | | | | | | | | 6,6 | 626 | 6,7 | 625 | | | 40,0 |
| 44,0 | | | | | | | | | | | | | 5,2 | 619 | 5,2 | 616 | | | 44,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | 48,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | 52,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | 56,0 |
| 60,0 | | | | | | | | | | | | | | | | | | | 60,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | | | | | 93 | | | | | | 93 | | | | | | 1 |
| 2 | 0 | | | | | | 46 | | | | | | 93 | | | | | | 2 |
| 3 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 3 |
| 4 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 4 |
| 5 | 0 | | | | | | 0 | | | | | | 46 | | | | | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition,
 dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 | | | | | | | | | | | | | |
|--|------------------------------|------|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|-----|--------------------|
| Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 51,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | |
| Working radius (m) | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | Working radius (m) |
| | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° |
| 3,0 | | | | | | | | | | | | | 3,0 |
| 3,5 | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | 5,0 |
| 6,0 | | | | | | | | | | | | | 6,0 |
| 7,0 | | | | | | | | | | | | | 7,0 |
| 8,0 | | | | | | | | | | | | | 8,0 |
| 9,0 | | | | | | | | | | | | | 9,0 |
| 10,0 | 81 | 10,7 | | | | | | | | | | | 10,0 |
| 11,0 | 80 | 10,3 | | | | | 81 | 9,6 | | | | | 11,0 |
| 12,0 | 80 | 10,0 | 81 | 9,2 | | | 80 | 9,3 | 82 | 8,6 | | | 12,0 |
| 14,0 | 78 | 9,4 | 79 | 8,7 | 81 | 8,2 | 79 | 8,7 | 80 | 8,1 | 81 | 7,7 | 14,0 |
| 16,0 | 76 | 8,8 | 78 | 8,2 | 79 | 7,8 | 77 | 8,2 | 79 | 7,7 | 80 | 7,3 | 16,0 |
| 18,0 | 74 | 8,4 | 76 | 7,8 | 77 | 7,5 | 75 | 7,8 | 77 | 7,3 | 78 | 7,0 | 18,0 |
| 20,0 | 73 | 7,9 | 74 | 7,5 | 75 | 7,2 | 74 | 7,4 | 75 | 7,0 | 76 | 6,7 | 20,0 |
| 22,0 | 71 | 7,5 | 72 | 7,2 | 73 | 6,9 | 72 | 7,0 | 74 | 6,7 | 75 | 6,4 | 22,0 |
| 24,0 | 69 | 7,2 | 70 | 6,9 | 71 | 6,6 | 70 | 6,7 | 72 | 6,4 | 73 | 6,2 | 24,0 |
| 26,0 | 67 | 6,8 | 69 | 6,6 | 69 | 6,4 | 69 | 6,4 | 70 | 6,1 | 71 | 6,0 | 26,0 |
| 28,0 | 65 | 6,5 | 67 | 6,3 | 67 | 6,2 | 67 | 6,1 | 68 | 5,9 | 69 | 5,8 | 28,0 |
| 30,0 | 63 | 6,3 | 64 | 6,0 | 65 | 5,9 | 65 | 5,8 | 66 | 5,6 | 67 | 5,5 | 30,0 |
| 32,0 | 61 | 6,0 | 62 | 5,8 | 63 | 5,7 | 63 | 5,6 | 64 | 5,4 | 65 | 5,3 | 32,0 |
| 34,0 | 59 | 5,8 | 60 | 5,6 | 61 | 5,5 | 61 | 5,4 | 63 | 5,2 | 63 | 5,1 | 34,0 |
| 36,0 | 57 | 5,6 | 58 | 5,4 | 59 | 5,3 | 59 | 5,2 | 60 | 5,0 | 61 | 5,0 | 36,0 |
| 38,0 | 55 | 5,4 | 56 | 5,2 | 56 | 5,2 | 57 | 5,0 | 58 | 4,9 | 59 | 4,8 | 38,0 |
| 40,0 | 52 | 5,2 | 53 | 5,1 | 54 | 5,0 | 55 | 4,9 | 56 | 4,7 | 57 | 4,7 | 40,0 |
| 44,0 | 47 | 4,9 | 48 | 4,8 | 49 | 4,8 | 51 | 4,6 | 52 | 4,5 | 52 | 4,4 | 44,0 |
| 48,0 | 42 | 4,7 | 43 | 4,6 | 43 | 4,6 | 46 | 4,3 | 47 | 4,2 | 47 | 4,2 | 48,0 |
| 52,0 | 35 | 3,8 | 36 | 3,9 | | | 40 | 3,8 | 41 | 3,9 | 41 | 3,9 | 52,0 |
| 56,0 | 26 | 3,0 | 26 | 2,9 | | | 33 | 3,0 | 34 | 3,0 | | | 56,0 |
| 60,0 | | | | | | | 24 | 2,3 | 24 | 2,3 | | | 60,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | Tel. |
| 1 | 93 | | | | | | 100 | | | | | | 1 |
| 2 | 93 | | | | | | 100 | | | | | | 2 |
| 3 | 93 | | | | | | 100 | | | | | | 3 |
| 4 | 93 | | | | | | 100 | | | | | | 4 |
| 5 | 93 | | | | | | 100 | | | | | | 5 |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789201

Counterweight 51,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length 13,2 m to 56,7 m | | | | | | | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------------|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|------------------------------|---|---|---|---|---|------|--|--|--|--|--|--------------------|
| | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | | | | | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | | | | | | | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | | | | | |
| 3,0 | | | | | | | | | | | | | | | | | | | 3,0 | | | | | | |
| 3,5 | | | | | | | | | | | | | | | | | | | 3,5 | | | | | | |
| 4,0 | | | | | | | | | | | | | | | | | | | 4,0 | | | | | | |
| 4,5 | | | | | | | | | | | | | | | | | | | 4,5 | | | | | | |
| 5,0 | | | | | | | | | | | | | | | | | | | 5,0 | | | | | | |
| 6,0 | | | | | | | | | | | | | | | | | | | 6,0 | | | | | | |
| 7,0 | | | | | | | | | | | | | | | | | | | 7,0 | | | | | | |
| 8,0 | | | | | | | | | | | | | | | | | | | 8,0 | | | | | | |
| 9,0 | | | | | | | | | | | | | | | | | | | 9,0 | | | | | | |
| 10,0 | 10,7 | 367 | | | | | | | | | | | | | | | | | 10,0 | | | | | | |
| 11,0 | 10,3 | 354 | | | | | 9,6 | 358 | | | | | | | | | | | 11,0 | | | | | | |
| 12,0 | 10,0 | 340 | 9,2 | 357 | | | 9,3 | 345 | 8,6 | 362 | | | | | | | | | 12,0 | | | | | | |
| 14,0 | 9,4 | 314 | 8,7 | 332 | 8,2 | 345 | 8,7 | 321 | 8,1 | 337 | 7,7 | 350 | | | | | | | 14,0 | | | | | | |
| 16,0 | 8,8 | 331 | 8,2 | 310 | 7,8 | 321 | 8,2 | 321 | 7,7 | 314 | 7,3 | 327 | | | | | | | 16,0 | | | | | | |
| 18,0 | 8,4 | 353 | 7,8 | 331 | 7,5 | 318 | 7,8 | 342 | 7,3 | 321 | 7,0 | 307 | | | | | | | 18,0 | | | | | | |
| 20,0 | 7,9 | 371 | 7,5 | 353 | 7,2 | 338 | 7,4 | 361 | 7,0 | 342 | 6,7 | 328 | | | | | | | 20,0 | | | | | | |
| 22,0 | 7,5 | 390 | 7,2 | 373 | 6,9 | 359 | 7,0 | 379 | 6,7 | 362 | 6,4 | 347 | | | | | | | 22,0 | | | | | | |
| 24,0 | 7,2 | 410 | 6,9 | 392 | 6,6 | 378 | 6,7 | 397 | 6,4 | 380 | 6,2 | 368 | | | | | | | 24,0 | | | | | | |
| 26,0 | 6,8 | 425 | 6,6 | 411 | 6,4 | 398 | 6,4 | 415 | 6,1 | 397 | 6,0 | 387 | | | | | | | 26,0 | | | | | | |
| 28,0 | 6,5 | 443 | 6,3 | 428 | 6,2 | 418 | 6,1 | 432 | 5,9 | 416 | 5,8 | 407 | | | | | | | 28,0 | | | | | | |
| 30,0 | 6,3 | 462 | 6,0 | 444 | 5,9 | 435 | 5,8 | 447 | 5,6 | 432 | 5,5 | 422 | | | | | | | 30,0 | | | | | | |
| 32,0 | 6,0 | 477 | 5,8 | 462 | 5,7 | 453 | 5,6 | 465 | 5,4 | 449 | 5,3 | 440 | | | | | | | 32,0 | | | | | | |
| 34,0 | 5,8 | 495 | 5,6 | 480 | 5,5 | 471 | 5,4 | 482 | 5,2 | 466 | 5,1 | 457 | | | | | | | 34,0 | | | | | | |
| 36,0 | 5,6 | 512 | 5,4 | 497 | 5,3 | 488 | 5,2 | 498 | 5,0 | 482 | 5,0 | 477 | | | | | | | 36,0 | | | | | | |
| 38,0 | 5,4 | 528 | 5,2 | 513 | 5,2 | 508 | 5,0 | 513 | 4,9 | 501 | 4,8 | 493 | | | | | | | 38,0 | | | | | | |
| 40,0 | 5,2 | 543 | 5,1 | 532 | 5,0 | 524 | 4,9 | 532 | 4,7 | 516 | 4,7 | 512 | | | | | | | 40,0 | | | | | | |
| 44,0 | 4,9 | 576 | 4,8 | 565 | 4,8 | 563 | 4,6 | 564 | 4,5 | 552 | 4,4 | 545 | | | | | | | 44,0 | | | | | | |
| 48,0 | 4,7 | 612 | 4,6 | 602 | 4,6 | 600 | 4,3 | 593 | 4,2 | 583 | 4,2 | 580 | | | | | | | 48,0 | | | | | | |
| 52,0 | 3,8 | 610 | 3,9 | 611 | | | 3,8 | 611 | 3,9 | 611 | 3,9 | 610 | | | | | | | 52,0 | | | | | | |
| 56,0 | 3,0 | 608 | 2,9 | 600 | | | 3,0 | 608 | 3,0 | 605 | | | | | | | | | 56,0 | | | | | | |
| 60,0 | | | | | | | 2,3 | 606 | 2,3 | 604 | | | | | | | | | 60,0 | | | | | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | | | | | |
| 1 | 93 | | | | | | 100 | | | | | | | | | | | | 1 | | | | | | |
| 2 | 93 | | | | | | 100 | | | | | | | | | | | | 2 | | | | | | |
| 3 | 93 | | | | | | 100 | | | | | | | | | | | | 3 | | | | | | |
| 4 | 93 | | | | | | 100 | | | | | | | | | | | | 4 | | | | | | |
| 5 | 93 | | | | | | 100 | | | | | | | | | | | | 5 | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

Counterweight 51,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 56,7 m

Working radius (m)

Working radius (m)

| | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | | |
|------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | |
| 11 | 81 | 7,5 | | | | | | | | | | | | | | |
| 12 | 80 | 7,5 | | | | | 82 | 4,2 | | | | | | | | |
| 14 | 79 | 7,5 | | | | | 81 | 4,2 | | | | | | | | |
| 16 | 77 | 7,1 | 81 | 5,6 | | | 79 | 4,2 | | | | | | | | |
| 18 | 76 | 6,7 | 80 | 5,4 | | | 78 | 4,2 | | | | | | | | |
| 20 | 74 | 6,4 | 78 | 5,2 | 81 | 4,4 | 77 | 4,2 | | | | | | | | |
| 22 | 73 | 6,1 | 76 | 5,1 | 79 | 4,3 | 76 | 4,0 | | | | | | | | |
| 24 | 71 | 5,8 | 75 | 4,9 | 78 | 4,2 | 75 | 3,9 | 81 | 3,2 | | | | | | |
| 26 | 70 | 5,6 | 73 | 4,8 | 76 | 4,2 | 74 | 3,7 | 79 | 3,1 | | | | | | |
| 28 | 68 | 5,3 | 72 | 4,7 | 74 | 4,1 | 73 | 3,6 | 78 | 3,0 | | | | | | |
| 30 | 66 | 5,1 | 70 | 4,5 | 72 | 4,0 | 72 | 3,5 | 77 | 2,9 | | | | | | |
| 32 | 65 | 4,9 | 68 | 4,4 | 71 | 4,0 | 71 | 3,4 | 76 | 2,9 | 81 | 2,5 | | | | |
| 34 | 63 | 4,7 | 66 | 4,3 | 69 | 3,9 | 70 | 3,3 | 75 | 2,9 | 80 | 2,5 | 71 | 2,5 | | |
| 36 | 61 | 4,6 | 65 | 4,1 | 67 | 3,8 | 69 | 3,2 | 74 | 2,8 | 78 | 2,4 | 70 | 2,4 | 77 | 1,9 |
| 38 | 59 | 4,4 | 63 | 4,0 | 65 | 3,8 | 68 | 3,1 | 72 | 2,7 | 77 | 2,4 | 69 | 2,3 | 75 | 1,9 |
| 40 | 58 | 4,2 | 61 | 3,9 | 63 | 3,7 | 67 | 3,0 | 71 | 2,7 | 75 | 2,3 | 67 | 2,3 | 74 | 1,8 |
| 44 | 54 | 4,0 | 57 | 3,7 | 59 | 3,6 | 65 | 2,8 | 69 | 2,6 | 73 | 2,3 | 66 | 2,2 | 73 | 1,8 |
| 48 | 49 | 3,7 | 52 | 3,5 | 54 | 3,4 | 61 | 2,7 | 66 | 2,4 | 70 | 2,2 | 63 | 2,1 | 70 | 1,7 |
| 52 | 45 | 3,5 | 48 | 3,4 | 49 | 3,3 | 56 | 2,6 | 63 | 2,3 | 67 | 2,1 | 61 | 2,0 | 67 | 1,6 |
| 56 | 40 | 3,4 | 42 | 3,2 | 43 | 3,2 | 50 | 2,5 | 59 | 2,2 | 63 | 2,1 | 58 | 1,9 | 64 | 1,6 |
| 60 | 33 | 2,8 | 36 | 2,9 | 36 | 2,8 | 46 | 2,8 | 50 | 2,3 | 56 | 2,1 | 55 | 1,8 | 61 | 1,5 |
| 64 | 25 | 2,2 | 27 | 2,2 | 24 | 2,0 | 41 | 2,7 | 45 | 2,5 | 52 | 2,0 | 54 | 1,9 | 57 | 1,4 |
| 68 | | | | | | | 36 | 2,4 | 39 | 2,4 | 43 | 2,1 | 47 | 1,9 | 54 | 1,4 |
| 72 | | | | | | | 29 | 1,9 | 32 | 1,9 | 38 | 2,0 | 42 | 1,8 | 49 | 1,3 |
| 76 | | | | | | | 19 | 1,4 | 20 | 1,3 | 32 | 1,5 | 36 | 1,7 | 40 | 1,5 |
| Tel. | | | | | | | 24 | 1,1 | 27 | 1,1 | 35 | 1,2 | 40 | 1,3 | 39 | 1,3 |

Telescoping sequence %

| | |
|------|----|
| 1 | 93 |
| 2 | 93 |
| 3 | 93 |
| 4 | 93 |
| 5 | 93 |
| Tel. | |
| 1 | 93 |
| 2 | 93 |
| 3 | 93 |
| 4 | 93 |
| 5 | 93 |

Outrigger reaction force chart ATF 160G-5

Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789303

Working radius (m)

Working radius (m)

On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m
 Boom length 13,2 m to 56,7 m

| Working radius (m) | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | | | | |
|--------------------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----|-----|-----|
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F |
| 11 | 7,5 | 381 | | | | | | | | | | | | | | | | |
| 12 | 7,5 | 368 | | | | 5,6 | 387 | | | | | | | | | | | |
| 14 | 7,5 | 341 | | | | 5,6 | 365 | | | | | | | | | | | |
| 16 | 7,1 | 320 | 5,6 | 362 | | | | | | | | | | | | | | |
| 18 | 6,7 | 312 | 5,4 | 342 | | | | | | | | | | | | | | |
| 20 | 6,4 | 330 | 5,2 | 322 | 4,4 | 354 | 5,4 | 306 | 4,6 | 347 | | | | | | | | |
| 22 | 6,1 | 348 | 5,1 | 301 | 4,3 | 335 | 5,1 | 321 | 4,4 | 329 | | | | | | | | |
| 24 | 5,8 | 364 | 4,9 | 318 | 4,2 | 315 | 4,9 | 338 | 4,2 | 312 | | | | | | | | |
| 26 | 5,6 | 382 | 4,8 | 337 | 4,2 | 303 | 4,7 | 354 | 4,1 | 305 | 3,7 | 330 | 3,8 | 327 | 3,1 | 328 | | |
| 28 | 5,3 | 396 | 4,7 | 356 | 4,1 | 321 | 4,5 | 369 | 3,9 | 320 | 3,6 | 312 | 3,7 | 344 | 3,0 | 312 | | |
| 30 | 5,1 | 412 | 4,5 | 372 | 4,0 | 339 | 4,3 | 384 | 3,8 | 336 | 3,5 | 301 | 3,6 | 359 | 2,9 | 297 | 2,5 | 342 |
| 32 | 4,9 | 428 | 4,4 | 390 | 4,0 | 361 | 4,1 | 397 | 3,6 | 350 | 3,4 | 318 | 3,5 | 375 | 2,9 | 315 | 2,5 | 324 |
| 34 | 4,7 | 443 | 4,3 | 408 | 3,9 | 378 | 4,0 | 414 | 3,5 | 366 | 3,2 | 331 | 3,3 | 387 | 2,8 | 330 | 2,4 | 309 |
| 36 | 4,6 | 460 | 4,1 | 422 | 3,8 | 396 | 3,8 | 426 | 3,4 | 382 | 3,2 | 351 | 3,2 | 401 | 2,7 | 344 | 2,4 | 300 |
| 38 | 4,4 | 474 | 4,0 | 439 | 3,8 | 417 | 3,7 | 442 | 3,3 | 397 | 3,1 | 367 | 3,1 | 415 | 2,7 | 362 | 2,3 | 314 |
| 40 | 4,2 | 487 | 3,9 | 455 | 3,7 | 434 | 3,6 | 457 | 3,2 | 412 | 3,0 | 382 | 3,0 | 429 | 2,6 | 376 | 2,3 | 333 |
| 44 | 4,0 | 519 | 3,7 | 488 | 3,6 | 472 | 3,3 | 482 | 3,0 | 442 | 2,8 | 413 | 2,8 | 456 | 2,4 | 402 | 2,2 | 365 |
| 48 | 3,7 | 544 | 3,5 | 519 | 3,4 | 505 | 3,2 | 514 | 2,8 | 470 | 2,7 | 448 | 2,6 | 481 | 2,3 | 433 | 2,1 | 397 |
| 52 | 3,5 | 573 | 3,4 | 554 | 3,3 | 542 | 3,0 | 540 | 2,7 | 502 | 2,6 | 482 | 2,4 | 505 | 2,2 | 462 | 2,1 | 434 |
| 56 | 3,4 | 606 | 3,2 | 583 | 3,2 | 579 | 2,8 | 565 | 2,6 | 533 | 2,5 | 516 | 2,3 | 532 | 2,1 | 492 | 2,0 | 466 |
| 60 | 2,8 | 609 | 2,9 | 605 | 2,8 | 600 | 2,7 | 594 | 2,5 | 565 | 2,4 | 551 | 2,2 | 559 | 2,0 | 521 | 1,9 | 498 |
| 64 | 2,2 | 607 | 2,2 | 602 | 2,0 | 597 | 2,4 | 610 | 2,4 | 596 | 2,4 | 593 | 2,1 | 586 | 1,9 | 549 | 1,8 | 531 |
| 68 | | | | | | | 1,9 | 611 | 1,9 | 601 | 1,8 | 599 | 1,8 | 578 | 1,8 | 578 | 1,8 | 571 |
| 72 | | | | | | | 1,4 | 608 | 1,3 | 599 | | | 1,5 | 608 | 1,7 | 606 | 1,5 | 593 |
| 76 | | | | | | | | | | | | | 1,1 | 609 | 1,1 | 600 | 1,2 | 612 |

Telescoping sequence %

| Tel. | 1 | 2 | 3 | 4 | 5 |
|------|----|----|----|----|---|
| 1 | | | | | |
| 2 | 93 | | | | |
| 3 | 93 | 93 | | | |
| 4 | 93 | 93 | 93 | | |
| 5 | 93 | 93 | 93 | 93 | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

Counterweight 51,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 60,0 m

| Working radius (m) | Fly jib 13,2 m offset | | | | Fly jib 19,2 m offset | | | | Fly jib 25,2 m offset | | | | Fly jib 31,2 m offset | | | | Fly jib 37,2 m offset | | | | Working radius (m) | | | | | | |
|--------------------|-----------------------|-----|-----|-----|-----------------------|-----|----|-----|-----------------------|-----|-----|-----|-----------------------|-----|-----|----|-----------------------|-----|----|-----|--------------------|-----|------------------------|----|--|--|------|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | | 40° | 0° | | | | |
| 12 | 81 | 6,3 | | | | | 81 | 4,8 | | | | | | | | | | | | | | | 12 | | | | |
| 14 | 79 | 6,3 | | | | | 80 | 4,8 | | | | | | | | | | | | | | | | 14 | | | |
| 16 | 78 | 6,3 | | | | | 79 | 4,8 | | | | | | | | | | | | | | | | 16 | | | |
| 18 | 77 | 6,3 | 80 | 5,3 | | | 78 | 4,8 | | | | | | | | | | | | | | | | 18 | | | |
| 20 | 75 | 6,0 | 79 | 5,2 | 81 | 4,4 | 77 | 4,8 | 81 | 4,4 | | | | | | | | | | | | | | 20 | | | |
| 22 | 74 | 5,7 | 77 | 5,0 | 80 | 4,3 | 75 | 4,8 | 80 | 4,2 | | | | | | | | | | | | | | 22 | | | |
| 24 | 73 | 5,5 | 76 | 4,9 | 78 | 4,2 | 74 | 4,6 | 79 | 4,0 | | | | | | | | | | | | | | 24 | | | |
| 26 | 71 | 5,2 | 74 | 4,7 | 77 | 4,1 | 73 | 4,4 | 77 | 3,9 | 81 | 3,5 | | | | | | | | | | | | 26 | | | |
| 28 | 69 | 5,0 | 73 | 4,5 | 75 | 4,1 | 71 | 4,2 | 76 | 3,7 | 80 | 3,4 | | | | | | | | | | | | 28 | | | |
| 30 | 68 | 4,8 | 71 | 4,3 | 74 | 4,0 | 70 | 4,1 | 74 | 3,6 | 78 | 3,3 | | | | | | | | | | | | 30 | | | |
| 32 | 66 | 4,6 | 70 | 4,2 | 72 | 3,9 | 69 | 3,9 | 73 | 3,4 | 77 | 3,2 | | | | | | | | | | | | 32 | | | |
| 34 | 65 | 4,5 | 68 | 4,1 | 70 | 3,8 | 67 | 3,8 | 72 | 3,3 | 75 | 3,1 | | | | | | | | | | | | 34 | | | |
| 36 | 63 | 4,3 | 66 | 3,9 | 68 | 3,7 | 66 | 3,6 | 70 | 3,2 | 73 | 3,0 | | | | | | | | | | | | 36 | | | |
| 38 | 61 | 4,1 | 65 | 3,8 | 67 | 3,6 | 64 | 3,5 | 68 | 3,1 | 72 | 2,9 | | | | | | | | | | | | 38 | | | |
| 40 | 60 | 4,0 | 63 | 3,7 | 65 | 3,5 | 63 | 3,4 | 67 | 3,0 | 70 | 2,8 | | | | | | | | | | | | 40 | | | |
| 44 | 56 | 3,7 | 59 | 3,5 | 61 | 3,4 | 60 | 3,2 | 64 | 2,8 | 67 | 2,7 | | | | | | | | | | | | 44 | | | |
| 48 | 52 | 3,5 | 55 | 3,3 | 57 | 3,2 | 56 | 3,0 | 60 | 2,7 | 63 | 2,6 | | | | | | | | | | | | 48 | | | |
| 52 | 48 | 3,3 | 51 | 3,1 | 52 | 3,1 | 53 | 2,8 | 57 | 2,6 | 59 | 2,4 | | | | | | | | | | | | 52 | | | |
| 56 | 44 | 3,1 | 46 | 3,0 | 47 | 2,9 | 49 | 2,6 | 53 | 2,4 | 55 | 2,3 | | | | | | | | | | | | 56 | | | |
| 60 | 38 | 2,7 | 41 | 2,9 | 41 | 2,8 | 45 | 2,5 | 48 | 2,3 | 50 | 2,3 | | | | | | | | | | | | 60 | | | |
| 64 | 32 | 2,1 | 34 | 2,2 | 33 | 2,1 | 40 | 2,3 | 44 | 2,2 | 44 | 2,2 | | | | | | | | | | | | 64 | | | |
| 68 | 23 | 1,6 | 25 | 1,6 | 21 | 1,3 | 34 | 1,8 | 38 | 1,9 | 38 | 1,9 | | | | | | | | | | | | 68 | | | |
| 72 | | | | | | | 27 | 1,3 | 30 | 1,3 | 27 | 1,2 | | | | | | | | | | | | 72 | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | 76 | | | |
| Tel. | | | | | | | | | | | | | | | | | | | | | | | Telescoping sequence % | | | | Tel. |
| 1 | | | | | | | | | | | | | | | | | | | | | | | 100 | | | | 1 |
| 2 | | | | | | | | | | | | | | | | | | | | | | | 100 | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | 100 | | | | 3 |
| 4 | | | | | | | | | | | | | | | | | | | | | | | 100 | | | | 4 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | 100 | | | | 5 |

Outrigger reaction force chart ATF 160G-5

Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789304
 Outrigger reaction force **F** in (kN)
Counterweight 51,0 t

On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m
 Boom length 13,2 m to 60,0 m

| Working radius (m) | Fly jib 13,2 m offset | | | | | | Fly jib 19,2 m offset | | | | | | Fly jib 25,2 m offset | | | | | | Fly jib 31,2 m offset | | | | | | Fly jib 37,2 m offset | | | | | | | |
|--------------------|------------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|---|-----|---|-----|---|--|--|
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | |
| 12 | 6,3 | 377 | | | | | 4,8 | 393 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 6,3 | 353 | | | | | 4,8 | 372 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 6,3 | 328 | | | | | 4,8 | 350 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 6,3 | 305 | 5,3 | 342 | | | 4,8 | 329 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 6,0 | 323 | 5,2 | 321 | 4,4 | 354 | 4,8 | 308 | 4,4 | 349 | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 5,7 | 340 | 5,0 | 302 | 4,3 | 334 | 4,8 | 316 | 4,2 | 331 | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 5,5 | 358 | 4,9 | 319 | 4,2 | 315 | 4,6 | 332 | 4,0 | 315 | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 5,2 | 372 | 4,7 | 336 | 4,1 | 300 | 4,4 | 348 | 3,9 | 301 | 3,5 | 333 | 3,6 | 324 | 3,0 | 329 | | | | | | | | | | | | | | | | |
| 28 | 5,0 | 389 | 4,5 | 352 | 4,1 | 322 | 4,2 | 362 | 3,7 | 315 | 3,4 | 316 | 3,6 | 343 | 2,9 | 313 | | | | | | | | | | | | | | | | |
| 30 | 4,8 | 405 | 4,3 | 367 | 4,0 | 340 | 4,1 | 380 | 3,6 | 332 | 3,3 | 298 | 3,4 | 356 | 2,9 | 299 | 2,5 | 341 | 2,5 | 327 | 2,0 | 330 | 2,0 | 346 | | | | | | | | |
| 32 | 4,6 | 420 | 4,2 | 385 | 3,9 | 358 | 3,9 | 393 | 3,4 | 345 | 3,2 | 312 | 3,3 | 371 | 2,8 | 313 | 2,5 | 323 | 2,4 | 341 | 1,9 | 316 | 1,9 | 316 | | | | | | | | |
| 34 | 4,5 | 437 | 4,1 | 402 | 3,8 | 375 | 3,8 | 409 | 3,3 | 361 | 3,1 | 328 | 3,2 | 386 | 2,7 | 328 | 2,4 | 308 | 2,3 | 354 | 1,9 | 300 | 1,6 | 330 | | | | | | | | |
| 36 | 4,3 | 451 | 3,9 | 416 | 3,7 | 393 | 3,6 | 421 | 3,2 | 376 | 3,0 | 344 | 3,0 | 397 | 2,7 | 346 | 2,4 | 301 | 2,3 | 370 | 1,8 | 303 | 1,5 | 341 | | | | | | | | |
| 38 | 4,1 | 464 | 3,8 | 432 | 3,6 | 410 | 3,5 | 437 | 3,1 | 391 | 2,9 | 360 | 2,9 | 411 | 2,6 | 360 | 2,3 | 316 | 2,2 | 383 | 1,8 | 319 | 1,5 | 356 | | | | | | | | |
| 40 | 4,0 | 481 | 3,7 | 449 | 3,5 | 426 | 3,4 | 452 | 3,0 | 406 | 2,8 | 375 | 2,8 | 425 | 2,5 | 374 | 2,3 | 334 | 2,2 | 399 | 1,8 | 335 | 1,4 | 367 | | | | | | | | |
| 44 | 3,7 | 508 | 3,5 | 480 | 3,4 | 463 | 3,2 | 480 | 2,8 | 435 | 2,7 | 410 | 2,6 | 451 | 2,3 | 400 | 2,2 | 366 | 2,1 | 427 | 1,7 | 364 | 1,4 | 396 | | | | | | | | |
| 48 | 3,5 | 537 | 3,3 | 511 | 3,2 | 495 | 3,0 | 508 | 2,7 | 467 | 2,6 | 444 | 2,5 | 480 | 2,2 | 430 | 2,1 | 398 | 2,0 | 455 | 1,6 | 391 | 1,3 | 421 | | | | | | | | |
| 52 | 3,3 | 565 | 3,1 | 540 | 3,1 | 531 | 2,8 | 533 | 2,6 | 499 | 2,4 | 472 | 2,3 | 504 | 2,1 | 460 | 2,0 | 430 | 1,9 | 481 | 1,5 | 418 | 1,2 | 445 | | | | | | | | |
| 56 | 3,1 | 592 | 3,0 | 573 | 2,9 | 562 | 2,6 | 558 | 2,4 | 524 | 2,3 | 505 | 2,2 | 531 | 2,0 | 489 | 1,9 | 461 | 1,8 | 507 | 1,4 | 445 | 1,2 | 474 | | | | | | | | |
| 60 | 2,7 | 606 | 2,9 | 606 | 2,8 | 597 | 2,5 | 586 | 2,3 | 555 | 2,3 | 545 | 2,1 | 558 | 1,9 | 517 | 1,8 | 493 | 1,7 | 532 | 1,4 | 477 | 1,1 | 497 | | | | | | | | |
| 64 | 2,1 | 604 | 2,2 | 602 | 2,1 | 597 | 2,3 | 608 | 2,2 | 585 | 2,2 | 579 | 1,9 | 578 | 1,7 | 540 | 1,7 | 524 | 1,6 | 557 | 1,3 | 503 | 1,1 | 525 | | | | | | | | |
| 68 | 1,6 | 605 | 1,6 | 601 | 1,3 | 591 | 1,8 | 609 | 1,9 | 602 | 1,9 | 601 | 1,7 | 597 | 1,5 | 561 | 1,6 | 556 | 1,5 | 580 | 1,2 | 528 | 1,0 | 547 | | | | | | | | |
| 72 | | | | | | | 1,3 | 606 | 1,3 | 597 | 1,2 | 598 | 1,4 | 607 | 1,3 | 581 | 1,5 | 590 | 1,4 | 603 | 1,2 | 561 | | | | | | | | | | |
| 76 | | | | | | | | | | | | 1,0 | 608 | 1,1 | 601 | 1,0 | 597 | 1,1 | 611 | 1,1 | 586 | | | | | | | | | | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | FAUN Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 37,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|---|-----|------|----------------------|------|-----|------------------------------|-----|------|----------------------|------|-----|------------------------------|-----|------|----------------------|------|------|--------------------|--|
| | | Boom length 13,2 m | | | | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | | |
| | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | |
| | | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | | | | |
| 3,0 | 76 | 33,2 | | | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | 74 | 31,4 | 80 | 23,7 | | | | | | | | | | | | | | | | 3,5 | |
| 4,0 | 73 | 30,6 | 78 | 22,5 | | | | | | | | | | | | | | | | 4,0 | |
| 4,5 | 71 | 29,1 | 77 | 22,2 | 81 | 18,5 | | | | | | | | | | | | | | 4,5 | |
| 5,0 | 70 | 28,4 | 75 | 21,6 | 79 | 18,2 | 82 | 25,6 | | | | | | | | | | | | 5,0 | |
| 6,0 | 66 | 26,0 | 72 | 20,5 | 76 | 17,9 | 80 | 25,6 | | | | | | | | | | | | 6,0 | |
| 7,0 | 63 | 24,5 | 68 | 19,8 | 72 | 17,5 | 79 | 25,6 | 81 | 20,9 | | | 81 | 17,1 | | | | | | 7,0 | |
| 8,0 | 59 | 22,9 | 64 | 19,0 | 68 | 17,2 | 78 | 25,6 | 80 | 20,3 | | | 80 | 16,3 | | | | | | 8,0 | |
| 9,0 | 56 | 21,6 | 61 | 18,5 | 64 | 16,9 | 76 | 25,4 | 79 | 19,8 | 80 | 17,2 | 79 | 15,6 | 81 | 13,7 | | | | 9,0 | |
| 10,0 | 52 | 20,5 | 57 | 18,0 | 60 | 16,8 | 75 | 24,5 | 77 | 19,4 | 79 | 16,9 | 78 | 15,0 | 80 | 13,2 | 82 | 12,1 | | 10,0 | |
| 11,0 | 48 | 19,6 | 52 | 17,5 | 56 | 16,8 | 74 | 23,8 | 76 | 19,0 | 78 | 16,7 | 77 | 14,5 | 79 | 12,8 | 80 | 11,8 | | 11,0 | |
| 12,0 | 43 | 18,8 | 48 | 17,2 | 51 | 16,8 | 72 | 23,0 | 74 | 18,5 | 76 | 16,5 | 76 | 14,0 | 78 | 12,4 | 79 | 11,4 | | 12,0 | |
| 14,0 | 33 | 17,5 | 37 | 16,8 | | | 69 | 20,8 | 71 | 17,8 | 73 | 16,1 | 73 | 13,1 | 75 | 11,7 | 77 | 10,9 | | 14,0 | |
| 16,0 | 15 | 16,8 | | | | | 66 | 18,9 | 68 | 17,1 | 70 | 15,8 | 71 | 12,3 | 73 | 11,1 | 74 | 10,4 | | 16,0 | |
| 18,0 | | | | | | | 63 | 17,3 | 65 | 16,6 | 67 | 15,6 | 69 | 11,7 | 70 | 10,6 | 72 | 9,9 | | 18,0 | |
| 20,0 | | | | | | | 60 | 15,9 | 62 | 15,6 | 63 | 15,4 | 66 | 11,1 | 68 | 10,1 | 69 | 9,6 | | 20,0 | |
| 22,0 | | | | | | | 56 | 14,7 | 58 | 14,4 | 60 | 14,3 | 64 | 10,6 | 65 | 9,7 | 67 | 9,2 | | 22,0 | |
| 24,0 | | | | | | | 53 | 13,0 | 55 | 13,4 | 56 | 13,3 | 61 | 10,2 | 63 | 9,4 | 64 | 8,9 | | 24,0 | |
| 26,0 | | | | | | | 49 | 11,1 | 51 | 11,4 | 52 | 11,6 | 58 | 9,8 | 60 | 9,1 | 61 | 8,7 | | 26,0 | |
| 28,0 | | | | | | | 45 | 9,5 | 47 | 9,8 | 48 | 9,9 | 56 | 9,4 | 57 | 8,8 | 58 | 8,5 | | 28,0 | |
| 30,0 | | | | | | | 40 | 8,2 | 42 | 8,4 | 43 | 8,5 | 53 | 8,6 | 54 | 8,6 | 55 | 8,3 | | 30,0 | |
| 32,0 | | | | | | | 35 | 7,1 | 37 | 7,2 | | | 50 | 7,5 | 51 | 7,7 | 52 | 7,9 | | 32,0 | |
| 34,0 | | | | | | | 29 | 6,1 | 31 | 6,2 | | | 46 | 6,5 | 48 | 6,7 | 49 | 6,8 | | 34,0 | |
| 36,0 | | | | | | | 22 | 5,2 | 23 | 5,3 | | | 43 | 5,7 | 44 | 5,8 | 45 | 5,9 | | 36,0 | |
| 38,0 | | | | | | | | | | | | | 39 | 4,9 | 40 | 5,0 | 41 | 5,1 | | 38,0 | |
| 40,0 | | | | | | | | | | | | | 35 | 4,3 | 36 | 4,4 | | | | 40,0 | |
| 44,0 | | | | | | | | | | | | | 23 | 3,1 | 25 | 3,1 | | | | 44,0 | |
| 48,0 | | | | | | | | | | | | | | | | | | | | 48,0 | |
| 52,0 | | | | | | | | | | | | | | | | | | | | 52,0 | |
| 56,0 | | | | | | | | | | | | | | | | | | | | 56,0 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 0 | | | | | | 93 | | | | | | 93 | | | | | | 1 | | |
| 2 | 0 | | | | | | 46 | | | | | | 93 | | | | | | 2 | | |
| 3 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 3 | | |
| 4 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 4 | | |
| 5 | 0 | | | | | | 0 | | | | | | 46 | | | | | | 5 | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789202

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length 13,2 m | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | Working radius (m) | | | |
|--------------------|------------------------|-----|------|------------------------------|------|-----|----------------------|-----|------|------------------------------|------|-----|----------------------|-----|------|--------------------|------|-----|------|
| | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | | F | m | F |
| 3,0 | 33,2 | 401 | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 31,4 | 383 | 23,7 | 394 | | | | | | | | | | | | | | | 3,5 |
| 4,0 | 30,6 | 366 | 22,5 | 381 | | | | | | | | | | | | | | | 4,0 |
| 4,5 | 29,1 | 350 | 22,2 | 368 | 18,5 | 380 | | | | | | | | | | | | | 4,5 |
| 5,0 | 28,4 | 335 | 21,6 | 355 | 18,2 | 369 | 25,6 | 330 | | | | | | | | | | | 5,0 |
| 6,0 | 26,0 | 334 | 20,5 | 331 | 17,9 | 346 | 25,6 | 341 | | | | | | | | | | | 6,0 |
| 7,0 | 24,5 | 350 | 19,8 | 308 | 17,5 | 323 | 25,6 | 372 | 20,9 | 316 | | | 17,1 | 300 | | | | | 7,0 |
| 8,0 | 22,9 | 362 | 19,0 | 313 | 17,2 | 301 | 25,6 | 403 | 20,3 | 336 | | | 16,3 | 304 | | | | | 8,0 |
| 9,0 | 21,6 | 375 | 18,5 | 332 | 16,9 | 308 | 25,4 | 432 | 19,8 | 357 | 17,2 | 318 | 15,6 | 318 | 13,7 | 285 | | | 9,0 |
| 10,0 | 20,5 | 388 | 18,0 | 350 | 16,8 | 330 | 24,5 | 452 | 19,4 | 378 | 16,9 | 338 | 15,0 | 332 | 13,2 | 299 | 12,1 | 284 | 10,0 |
| 11,0 | 19,6 | 401 | 17,5 | 367 | 16,8 | 353 | 23,8 | 473 | 19,0 | 399 | 16,7 | 359 | 14,5 | 347 | 12,8 | 313 | 11,8 | 290 | 11,0 |
| 12,0 | 18,8 | 415 | 17,2 | 386 | 16,8 | 376 | 23,0 | 492 | 18,5 | 417 | 16,5 | 379 | 14,0 | 360 | 12,4 | 326 | 11,4 | 303 | 12,0 |
| 14,0 | 17,5 | 441 | 16,8 | 426 | | | 20,8 | 514 | 17,8 | 455 | 16,1 | 420 | 13,1 | 387 | 11,7 | 353 | 10,9 | 331 | 14,0 |
| 16,0 | 16,8 | 474 | | | | | 18,9 | 534 | 17,1 | 491 | 15,8 | 460 | 12,3 | 411 | 11,1 | 379 | 10,4 | 358 | 16,0 |
| 18,0 | | | | | | | 17,3 | 553 | 16,6 | 529 | 15,6 | 502 | 11,7 | 437 | 10,6 | 404 | 9,9 | 383 | 18,0 |
| 20,0 | | | | | | | 15,9 | 571 | 15,6 | 554 | 15,4 | 543 | 11,1 | 460 | 10,1 | 428 | 9,6 | 410 | 20,0 |
| 22,0 | | | | | | | 14,7 | 587 | 14,4 | 571 | 14,3 | 562 | 10,6 | 483 | 9,7 | 452 | 9,2 | 434 | 22,0 |
| 24,0 | | | | | | | 13,0 | 587 | 13,4 | 588 | 13,3 | 580 | 10,2 | 507 | 9,4 | 478 | 8,9 | 459 | 24,0 |
| 26,0 | | | | | | | 11,1 | 576 | 11,4 | 575 | 11,6 | 576 | 9,8 | 530 | 9,1 | 502 | 8,7 | 485 | 26,0 |
| 28,0 | | | | | | | 9,5 | 566 | 9,8 | 567 | 9,9 | 566 | 9,4 | 551 | 8,8 | 525 | 8,5 | 511 | 28,0 |
| 30,0 | | | | | | | 8,2 | 559 | 8,4 | 558 | 8,5 | 559 | 8,6 | 559 | 8,6 | 550 | 8,3 | 536 | 30,0 |
| 32,0 | | | | | | | 7,1 | 554 | 7,2 | 552 | | | 7,5 | 554 | 7,7 | 552 | 7,9 | 555 | 32,0 |
| 34,0 | | | | | | | 6,1 | 548 | 6,2 | 548 | | | 6,5 | 548 | 6,7 | 548 | 6,8 | 548 | 34,0 |
| 36,0 | | | | | | | 5,2 | 543 | 5,3 | 544 | | | 5,7 | 546 | 5,8 | 543 | 5,9 | 544 | 36,0 |
| 38,0 | | | | | | | | | | | | | 4,9 | 541 | 5,0 | 539 | 5,1 | 541 | 38,0 |
| 40,0 | | | | | | | | | | | | | 4,3 | 541 | 4,4 | 540 | | | 40,0 |
| 44,0 | | | | | | | | | | | | | 3,1 | 534 | 3,1 | 532 | | | 44,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | 48,0 |
| 52,0 | | | | | | | | | | | | | | | | | | | 52,0 |
| 56,0 | | | | | | | | | | | | | | | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | | | | | 93 | | | | | | 93 | | | | | | 1 |
| 2 | 0 | | | | | | 46 | | | | | | 93 | | | | | | 2 |
| 3 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 3 |
| 4 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 4 |
| 5 | 0 | | | | | | 0 | | | | | | 46 | | | | | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|--|-----|-----|----------------------------|-----|-----|------------------------------|-----|-----|----------------------------|-----|--|--------------------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 37,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | |
| | | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | |
| | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | |
| | | 0° | 20° | 40° | | | 0° | 20° | 40° | | | | | | |
| | | ∠ | ∠ | ∠ | | | ∠ | ∠ | ∠ | | | | | | |
| 3,0 | | | | | | | | | | | | | | | 3,0 |
| 3,5 | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | 5,0 |
| 6,0 | | | | | | | | | | | | | | | 6,0 |
| 7,0 | | | | | | | | | | | | | | | 7,0 |
| 8,0 | | | | | | | | | | | | | | | 8,0 |
| 9,0 | | | | | | | | | | | | | | | 9,0 |
| 10,0 | 81 | 10,7 | | | | | | | | | | | | | 10,0 |
| 11,0 | 80 | 10,3 | | | | | 81 | 9,6 | | | | | | | 11,0 |
| 12,0 | 80 | 10,0 | 81 | 9,2 | | | 80 | 9,3 | 82 | 8,6 | | | | | 12,0 |
| 14,0 | 78 | 9,4 | 79 | 8,7 | 81 | 8,2 | 79 | 8,7 | 80 | 8,1 | 81 | 7,7 | | | 14,0 |
| 16,0 | 76 | 8,8 | 78 | 8,2 | 79 | 7,8 | 77 | 8,2 | 79 | 7,7 | 80 | 7,3 | | | 16,0 |
| 18,0 | 74 | 8,4 | 76 | 7,8 | 77 | 7,5 | 75 | 7,8 | 77 | 7,3 | 78 | 7,0 | | | 18,0 |
| 20,0 | 73 | 7,9 | 74 | 7,5 | 75 | 7,2 | 74 | 7,4 | 75 | 7,0 | 76 | 6,7 | | | 20,0 |
| 22,0 | 71 | 7,5 | 72 | 7,2 | 73 | 6,9 | 72 | 7,0 | 74 | 6,7 | 75 | 6,4 | | | 22,0 |
| 24,0 | 69 | 7,2 | 70 | 6,9 | 71 | 6,6 | 70 | 6,7 | 72 | 6,4 | 73 | 6,2 | | | 24,0 |
| 26,0 | 67 | 6,8 | 69 | 6,6 | 69 | 6,4 | 69 | 6,4 | 70 | 6,1 | 71 | 6,0 | | | 26,0 |
| 28,0 | 65 | 6,5 | 67 | 6,3 | 67 | 6,2 | 67 | 6,1 | 68 | 5,9 | 69 | 5,8 | | | 28,0 |
| 30,0 | 63 | 6,3 | 64 | 6,0 | 65 | 5,9 | 65 | 5,8 | 66 | 5,6 | 67 | 5,5 | | | 30,0 |
| 32,0 | 61 | 6,0 | 62 | 5,8 | 63 | 5,7 | 63 | 5,6 | 64 | 5,4 | 65 | 5,3 | | | 32,0 |
| 34,0 | 59 | 5,8 | 60 | 5,6 | 61 | 5,5 | 61 | 5,4 | 63 | 5,2 | 63 | 5,1 | | | 34,0 |
| 36,0 | 57 | 5,6 | 58 | 5,4 | 59 | 5,3 | 59 | 5,2 | 60 | 5,0 | 61 | 5,0 | | | 36,0 |
| 38,0 | 55 | 5,4 | 56 | 5,2 | 56 | 5,2 | 57 | 5,0 | 58 | 4,9 | 59 | 4,8 | | | 38,0 |
| 40,0 | 52 | 5,0 | 53 | 5,1 | 54 | 5,0 | 55 | 4,9 | 56 | 4,7 | 57 | 4,7 | | | 40,0 |
| 44,0 | 47 | 3,8 | 48 | 3,9 | 49 | 4,0 | 51 | 3,8 | 52 | 3,9 | 52 | 4,0 | | | 44,0 |
| 48,0 | 42 | 2,9 | 43 | 3,0 | 43 | 3,0 | 46 | 2,8 | 47 | 3,0 | 47 | 3,0 | | | 48,0 |
| 52,0 | 35 | 2,1 | 36 | 2,1 | | | 40 | 2,1 | 41 | 2,1 | 41 | 2,1 | | | 52,0 |
| 56,0 | 26 | 1,4 | 26 | 1,4 | | | 33 | 1,4 | 34 | 1,4 | | | | | 56,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | Tel. |
| 1 | 93 | | | | | | 100 | | | | | | | | 1 |
| 2 | 93 | | | | | | 100 | | | | | | | | 2 |
| 3 | 93 | | | | | | 100 | | | | | | | | 3 |
| 4 | 93 | | | | | | 100 | | | | | | | | 4 |
| 5 | 93 | | | | | | 100 | | | | | | | | 5 |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789202

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 56,7 m

Boom length 13,2 m to 60,0 m

Working radius (m)

Working radius (m)

**Fly jib
5,4 m
offset**

**Fly jib
5,4 m
offset**

| 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | |
|----|---|-----|---|-----|---|----|---|-----|---|-----|---|--|---|--|---|
| m | F | m | F | m | F | m | F | m | F | m | F | | F | | F |

| | | | | | | | | | | | | | | | | |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|------|
| 3,0 | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | | 5,0 |
| 6,0 | | | | | | | | | | | | | | | | 6,0 |
| 7,0 | | | | | | | | | | | | | | | | 7,0 |
| 8,0 | | | | | | | | | | | | | | | | 8,0 |
| 9,0 | | | | | | | | | | | | | | | | 9,0 |
| 10,0 | 10,7 | 279 | | | | | | | | | | | | | | 10,0 |
| 11,0 | 10,3 | 283 | | | | | 9,6 | 274 | | | | | | | | 11,0 |
| 12,0 | 10,0 | 295 | 9,2 | 273 | | | 9,3 | 286 | 8,6 | 273 | | | | | | 12,0 |
| 14,0 | 9,4 | 318 | 8,7 | 296 | 8,2 | 279 | 8,7 | 307 | 8,1 | 287 | 7,7 | 271 | | | | 14,0 |
| 16,0 | 8,8 | 338 | 8,2 | 317 | 7,8 | 301 | 8,2 | 327 | 7,7 | 308 | 7,3 | 292 | | | | 16,0 |
| 18,0 | 8,4 | 359 | 7,8 | 337 | 7,5 | 323 | 7,8 | 248 | 7,3 | 328 | 7,0 | 314 | | | | 18,0 |
| 20,0 | 7,9 | 379 | 7,5 | 359 | 7,2 | 345 | 7,4 | 367 | 7,0 | 348 | 6,7 | 333 | | | | 20,0 |
| 22,0 | 7,5 | 396 | 7,2 | 379 | 6,9 | 365 | 7,0 | 385 | 6,7 | 368 | 6,4 | 353 | | | | 22,0 |
| 24,0 | 7,2 | 416 | 6,9 | 399 | 6,6 | 384 | 6,7 | 404 | 6,4 | 386 | 6,2 | 374 | | | | 24,0 |
| 26,0 | 6,8 | 432 | 6,6 | 417 | 6,4 | 405 | 6,4 | 421 | 6,1 | 404 | 6,0 | 394 | | | | 26,0 |
| 28,0 | 6,5 | 449 | 6,3 | 434 | 6,2 | 425 | 6,1 | 438 | 5,9 | 424 | 5,8 | 413 | | | | 28,0 |
| 30,0 | 6,3 | 468 | 6,0 | 450 | 5,9 | 441 | 5,8 | 453 | 5,6 | 438 | 5,5 | 429 | | | | 30,0 |
| 32,0 | 6,0 | 484 | 5,8 | 468 | 5,7 | 459 | 5,6 | 471 | 5,4 | 456 | 5,3 | 446 | | | | 32,0 |
| 34,0 | 5,8 | 501 | 5,6 | 486 | 5,5 | 477 | 5,4 | 488 | 5,2 | 472 | 5,1 | 463 | | | | 34,0 |
| 36,0 | 5,6 | 518 | 5,4 | 503 | 5,3 | 494 | 5,2 | 504 | 5,0 | 488 | 5,0 | 483 | | | | 36,0 |
| 38,0 | 5,4 | 534 | 5,2 | 519 | 5,2 | 514 | 5,0 | 519 | 4,9 | 508 | 4,8 | 499 | | | | 38,0 |
| 40,0 | 5,0 | 542 | 5,1 | 538 | 5,0 | 530 | 4,9 | 538 | 4,7 | 522 | 4,7 | 518 | | | | 40,0 |
| 44,0 | 3,8 | 535 | 3,9 | 533 | 4,0 | 534 | 3,8 | 535 | 3,9 | 533 | 4,0 | 534 | | | | 44,0 |
| 48,0 | 2,9 | 534 | 3,0 | 533 | 3,0 | 531 | 2,8 | 529 | 3,0 | 533 | 3,0 | 530 | | | | 48,0 |
| 52,0 | 2,1 | 531 | 2,1 | 527 | | | 2,1 | 531 | 2,1 | 526 | 2,1 | 525 | | | | 52,0 |
| 56,0 | 1,4 | 527 | 1,4 | 525 | | | 1,4 | 528 | 1,4 | 524 | | | | | | 56,0 |

| Tel. | Telescoping sequence % | | | | Tel. |
|------|------------------------|--|-----|--|------|
| 1 | 93 | | 100 | | 1 |
| 2 | 93 | | 100 | | 2 |
| 3 | 93 | | 100 | | 3 |
| 4 | 93 | | 100 | | 4 |
| 5 | 93 | | 100 | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition,
 dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m
Counterweight 37,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 56,7 m

Working radius (m) (left side) / Working radius (m) (right side)

| Working radius (m) | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | | | | | |
|--------------------|------------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----|--|--|--|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | | | |
| | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L | | | | |
| 11 | 81 | 7,5 | | | | | | 82 | 4,2 | | | | | | | | | | |
| 12 | 80 | 7,5 | | | | | | 81 | 4,2 | | | | | | | | | | |
| 14 | 79 | 7,5 | | | | | | 79 | 4,2 | | | | | | 81 | 3,2 | | | |
| 16 | 77 | 7,1 | 81 | 5,6 | | | | 79 | 5,6 | | | | | | 80 | 3,1 | | | |
| 18 | 76 | 6,7 | 79 | 5,4 | | | | 77 | 5,6 | | | | | | 79 | 3,0 | | | |
| 20 | 74 | 6,4 | 78 | 5,2 | 81 | 4,4 | 81 | 4,6 | | | | | | | 78 | 2,9 | | | |
| 22 | 73 | 6,1 | 76 | 5,1 | 79 | 4,3 | 79 | 4,4 | | | | | | | 77 | 2,9 | | | |
| 24 | 71 | 5,8 | 75 | 4,9 | 77 | 4,2 | 73 | 4,9 | 78 | 4,2 | | | | | 76 | 2,8 | | | |
| 26 | 70 | 5,6 | 73 | 4,8 | 76 | 4,2 | 72 | 4,7 | 76 | 4,1 | 80 | 3,7 | | | 74 | 2,7 | | | |
| 28 | 68 | 5,3 | 71 | 4,7 | 74 | 4,1 | 70 | 4,5 | 75 | 3,9 | 79 | 3,6 | | | 73 | 2,6 | | | |
| 30 | 66 | 5,1 | 70 | 4,5 | 72 | 4,0 | 69 | 4,3 | 73 | 3,8 | 77 | 3,5 | | | 72 | 2,6 | | | |
| 32 | 65 | 4,9 | 68 | 4,4 | 71 | 4,0 | 67 | 4,1 | 72 | 3,6 | 75 | 3,4 | | | 71 | 2,5 | | | |
| 34 | 63 | 4,7 | 66 | 4,3 | 69 | 3,9 | 66 | 4,0 | 70 | 3,5 | 74 | 3,2 | | | 70 | 2,4 | | | |
| 36 | 61 | 4,6 | 65 | 4,1 | 67 | 3,8 | 64 | 3,8 | 69 | 3,4 | 72 | 3,2 | | | 68 | 2,3 | | | |
| 38 | 59 | 4,4 | 63 | 4,0 | 65 | 3,8 | 63 | 3,7 | 67 | 3,3 | 70 | 3,1 | | | 67 | 2,3 | | | |
| 40 | 57 | 4,2 | 61 | 3,9 | 63 | 3,7 | 61 | 3,6 | 65 | 3,2 | 69 | 3,0 | | | 66 | 2,2 | | | |
| 44 | 54 | 4,0 | 57 | 3,7 | 59 | 3,6 | 57 | 3,3 | 62 | 3,0 | 65 | 2,8 | | | 64 | 2,1 | | | |
| 48 | 49 | 3,3 | 52 | 3,5 | 54 | 3,4 | 54 | 3,2 | 58 | 2,8 | 61 | 2,7 | | | 63 | 2,1 | | | |
| 52 | 45 | 2,6 | 48 | 2,8 | 49 | 2,9 | 50 | 2,8 | 54 | 2,7 | 56 | 2,6 | | | 59 | 2,2 | | | |
| 56 | 40 | 1,9 | 42 | 2,1 | 43 | 2,1 | 46 | 2,1 | 50 | 2,4 | 52 | 2,5 | | | 55 | 1,8 | | | |
| 60 | 33 | 1,3 | 36 | 1,4 | 36 | 1,3 | 41 | 1,5 | 45 | 1,8 | 46 | 1,8 | | | 51 | 1,7 | | | |
| 64 | | | | | | | 36 | 1,0 | 39 | 1,2 | 40 | 1,1 | | | 48 | 1,2 | | | |
| 68 | | | | | | | | | | | | | | | 49 | 1,2 | | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | |
| 1 | 93 | | | | | | | | | | | | | | | | | | |
| 2 | 93 | | | | | | | | | | | | | | | | | | |
| 3 | 93 | | | | | | | | | | | | | | | | | | |
| 4 | 93 | | | | | | | | | | | | | | | | | | |
| 5 | 93 | | | | | | | | | | | | | | | | | | |



Outrigger reaction force chart ATF 160G-5

Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789305
Outrigger reaction force **F** in (kN)
Counterweight 37,0 t

On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 56,7 m

Working radius (m)

Working radius (m)

| Working radius (m) | Fly jib 13,2 m offset | | | | | | Fly jib 19,2 m offset | | | | | | Fly jib 25,2 m offset | | | | | | Fly jib 31,2 m offset | | | | | | Fly jib 37,2 m offset | | | | | | | | | |
|--------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | | |
| 11 | 7,5 | 292 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 7,5 | 279 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 7,5 | 281 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 7,1 | 300 | 5,6 | 273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 6,7 | 318 | 5,4 | 268 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 6,4 | 337 | 5,2 | 287 | 4,4 | 266 | 5,4 | 312 | 4,6 | 261 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 6,1 | 354 | 5,1 | 307 | 4,3 | 269 | 5,1 | 328 | 4,4 | 278 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 5,8 | 370 | 4,9 | 324 | 4,2 | 288 | 4,9 | 344 | 4,2 | 293 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 5,6 | 388 | 4,8 | 344 | 4,2 | 309 | 4,7 | 360 | 4,1 | 311 | 3,7 | 272 | 3,8 | 334 | 3,1 | 273 | | | | | | | | | | | | | | | | | | |
| 28 | 5,3 | 403 | 4,7 | 363 | 4,1 | 328 | 4,5 | 376 | 3,9 | 326 | 3,6 | 290 | 3,7 | 350 | 3,0 | 288 | | | | | | | | | | | | | | | | | | |
| 30 | 5,1 | 419 | 4,5 | 378 | 4,0 | 346 | 4,3 | 390 | 3,8 | 343 | 3,5 | 307 | 3,6 | 366 | 2,9 | 303 | 2,5 | 255 | 2,6 | 334 | 2,0 | 266 | | | | | | | | | | | | |
| 32 | 4,9 | 434 | 4,4 | 396 | 4,0 | 367 | 4,1 | 404 | 3,6 | 356 | 3,4 | 324 | 3,5 | 381 | 2,9 | 321 | 2,5 | 273 | 2,5 | 347 | 2,0 | 282 | | | | | | | 1,7 | 321 | 1,3 | 256 | | |
| 34 | 4,7 | 449 | 4,3 | 414 | 3,9 | 385 | 4,0 | 420 | 3,5 | 372 | 3,2 | 337 | 3,3 | 393 | 2,8 | 336 | 2,4 | 288 | 2,4 | 360 | 1,9 | 295 | | | | | | | | | | | | |
| 36 | 4,6 | 467 | 4,1 | 428 | 3,8 | 402 | 3,8 | 433 | 3,4 | 388 | 3,2 | 357 | 3,2 | 408 | 2,7 | 350 | 2,4 | 306 | 2,4 | 373 | 1,9 | 311 | 1,7 | 261 | | | | | | 1,6 | 332 | 1,3 | 265 | |
| 38 | 4,4 | 480 | 4,0 | 445 | 3,8 | 423 | 3,7 | 448 | 3,3 | 404 | 3,1 | 373 | 3,1 | 422 | 2,7 | 368 | 2,3 | 321 | 2,3 | 390 | 1,8 | 323 | 1,6 | 274 | 1,5 | 358 | 1,2 | 291 | | | | | | |
| 40 | 4,2 | 493 | 3,9 | 462 | 3,7 | 440 | 3,6 | 463 | 3,2 | 419 | 3,0 | 389 | 3,0 | 436 | 2,6 | 382 | 2,3 | 339 | 2,2 | 402 | 1,8 | 339 | 1,6 | 291 | 1,5 | 373 | 1,1 | 302 | | | | | | |
| 44 | 4,0 | 525 | 3,7 | 494 | 3,6 | 478 | 3,3 | 488 | 3,0 | 448 | 2,8 | 419 | 2,8 | 462 | 2,4 | 409 | 2,2 | 371 | 2,1 | 430 | 1,7 | 367 | 1,5 | 321 | 1,4 | 398 | 1,1 | 332 | | | | | | |
| 48 | 3,3 | 532 | 3,5 | 525 | 3,4 | 511 | 3,2 | 520 | 2,8 | 476 | 2,7 | 454 | 2,6 | 487 | 2,3 | 439 | 2,1 | 403 | 2,0 | 457 | 1,6 | 395 | 1,5 | 354 | 1,3 | 423 | 1,0 | 357 | | | | | | |
| 52 | 2,6 | 534 | 2,8 | 530 | 2,9 | 528 | 2,8 | 536 | 2,7 | 508 | 2,6 | 488 | 2,4 | 511 | 2,2 | 469 | 2,1 | 440 | 1,9 | 483 | 1,6 | 427 | 1,4 | 384 | 1,2 | 446 | 1,0 | 387 | | | | | | |
| 56 | 1,9 | 531 | 2,1 | 530 | 2,1 | 526 | 2,1 | 533 | 2,4 | 529 | 2,5 | 523 | 2,2 | 533 | 2,1 | 498 | 2,0 | 472 | 1,8 | 508 | 1,5 | 453 | 1,4 | 418 | 1,1 | 469 | | | | | | | | |
| 60 | 1,3 | 528 | 1,4 | 525 | 1,3 | 519 | 1,5 | 531 | 1,8 | 530 | 1,8 | 523 | 1,6 | 531 | 2,0 | 527 | 1,9 | 504 | 1,7 | 533 | 1,4 | 480 | 1,3 | 447 | 1,1 | 497 | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tel. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |

Telescoping sequence %

Tel.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 60,0 m

Working radius (m)

Working radius (m)

| Working radius (m) | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | |
|--------------------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 12 | 81 | 6,3 | | 81 | 4,8 | | 81 | 3,6 | | 82 | 2,8 | | 81 | 2,1 | |
| 14 | 79 | 6,3 | | 80 | 4,8 | | 80 | 3,6 | | 81 | 2,8 | | 80 | 2,0 | |
| 16 | 78 | 6,3 | | 79 | 4,8 | | 79 | 3,6 | | 80 | 2,8 | | 79 | 1,9 | |
| 18 | 77 | 6,3 | 80 | 5,3 | 78 | 4,8 | 78 | 3,6 | | 78 | 2,7 | | 77 | 1,8 | |
| 20 | 75 | 6,0 | 79 | 5,2 | 81 | 4,4 | 77 | 4,8 | 81 | 4,4 | | 76 | 2,7 | | |
| 22 | 74 | 5,7 | 77 | 5,0 | 80 | 4,3 | 75 | 4,8 | 80 | 4,2 | | 75 | 2,6 | | |
| 24 | 73 | 5,5 | 76 | 4,9 | 78 | 4,2 | 74 | 4,6 | 79 | 4,0 | | 74 | 2,5 | 81 | |
| 26 | 71 | 5,2 | 74 | 4,7 | 77 | 4,1 | 73 | 4,4 | 77 | 3,9 | 81 | 3,1 | 73 | 1,8 | |
| 28 | 69 | 5,0 | 73 | 4,5 | 75 | 4,1 | 71 | 4,2 | 76 | 3,7 | 80 | 3,0 | 72 | 1,7 | |
| 30 | 68 | 4,8 | 71 | 4,3 | 74 | 4,0 | 70 | 4,1 | 74 | 3,6 | 78 | 2,9 | 71 | 1,6 | |
| 32 | 66 | 4,6 | 70 | 4,2 | 72 | 3,9 | 69 | 3,9 | 73 | 3,4 | 77 | 2,8 | 70 | 1,6 | |
| 34 | 65 | 4,5 | 68 | 4,1 | 70 | 3,8 | 67 | 3,8 | 72 | 3,3 | 75 | 2,7 | 69 | 1,5 | |
| 36 | 63 | 4,3 | 66 | 3,9 | 68 | 3,7 | 66 | 3,6 | 70 | 3,2 | 73 | 2,6 | 68 | 1,5 | |
| 38 | 61 | 4,1 | 65 | 3,8 | 67 | 3,6 | 64 | 3,5 | 68 | 3,1 | 72 | 2,5 | 67 | 1,4 | |
| 40 | 60 | 4,0 | 63 | 3,7 | 65 | 3,5 | 63 | 3,4 | 67 | 3,0 | 70 | 2,4 | 66 | 1,4 | |
| 44 | 56 | 3,7 | 59 | 3,5 | 61 | 3,4 | 60 | 3,2 | 64 | 2,8 | 67 | 2,2 | 65 | 1,3 | |
| 48 | 52 | 3,3 | 55 | 3,3 | 57 | 3,2 | 56 | 3,0 | 60 | 2,7 | 63 | 2,1 | 62 | 1,3 | |
| 52 | 48 | 2,5 | 51 | 2,8 | 52 | 2,9 | 53 | 2,7 | 57 | 2,6 | 59 | 2,0 | 60 | 1,2 | |
| 56 | 44 | 1,8 | 46 | 2,0 | 47 | 2,1 | 49 | 2,0 | 53 | 2,4 | 55 | 1,9 | 57 | 1,2 | |
| 60 | 38 | 1,3 | 41 | 1,4 | 41 | 1,4 | 45 | 1,4 | 48 | 1,7 | 50 | 1,6 | 54 | 1,1 | |
| 64 | | | | | 44 | 1,2 | 44 | 1,2 | 46 | 1,1 | 50 | 1,4 | 53 | 1,1 | |
| 68 | | | | | | | | | 47 | 1,0 | 52 | 1,1 | 54 | 1,1 | |


| Tel. | Telescoping sequence % |
|------|------------------------|
| 1 | 100 |
| 2 | 100 |
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |

Outrigger reaction force chart ATF 160G-5

Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789306
 Outrigger reaction force F in (kN)
 Counterweight 37,0 t
 On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m
 Boom length 13,2 m to 60,0 m

| Working radius (m) | Fly jib 13,2 m offset | | | | | | Fly jib 19,2 m offset | | | | | | Fly jib 25,2 m offset | | | | | | Fly jib 31,2 m offset | | | | | | Fly jib 37,2 m offset | | | | | | | | |
|--------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|---|-----|---|--|--|--|
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | |
| 12 | 6,3 | 288 | | | 4,8 | 304 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 6,3 | 264 | | | 4,8 | 283 | | | | | | 3,6 | 298 | | | | | | | | | | | 2,8 | 309 | | | | | | | | |
| 16 | 6,3 | 287 | | | 4,8 | 262 | | | | | | 3,6 | 279 | | | | | | | | | | 2,8 | 292 | | | | | | | | | |
| 18 | 6,3 | 311 | 5,3 | 267 | | | | | | | | 3,6 | 260 | | | | | | | | | | 2,8 | 274 | | | | | | | | | |
| 20 | 6,0 | 329 | 5,2 | 288 | 4,4 | 265 | 4,4 | 269 | 4,3 | 282 | 4,2 | 274 | | | | | | | | | | | 2,7 | 271 | | | | | | | | | |
| 22 | 5,7 | 346 | 5,0 | 305 | 4,3 | 269 | 4,3 | 288 | 4,2 | 288 | 4,0 | 289 | | | | | | | | | | | 2,7 | 288 | | | | | | | | | |
| 24 | 5,5 | 364 | 4,9 | 325 | 4,2 | 288 | 4,2 | 307 | 4,1 | 307 | 4,4 | 354 | 3,9 | 307 | 3,5 | 268 | 3,6 | 330 | 3,0 | 271 | | | 2,6 | 303 | | | | | | | | | |
| 26 | 5,2 | 379 | 4,7 | 342 | 4,1 | 307 | 4,1 | 328 | 4,2 | 328 | 4,1 | 358 | 3,7 | 321 | 3,4 | 285 | 3,6 | 349 | 2,9 | 287 | | | 2,5 | 317 | 2,0 | 257 | | | | | | | |
| 28 | 5,0 | 395 | 4,5 | 358 | 4,1 | 328 | 4,1 | 346 | 4,0 | 346 | 4,1 | 386 | 3,6 | 338 | 3,3 | 302 | 3,4 | 362 | 2,9 | 305 | 2,5 | 256 | 2,5 | 333 | 2,0 | 267 | | | | | | | |
| 30 | 4,8 | 411 | 4,3 | 373 | 4,0 | 346 | 4,0 | 364 | 3,9 | 364 | 3,9 | 399 | 3,4 | 351 | 3,2 | 318 | 3,3 | 377 | 2,8 | 320 | 2,5 | 274 | 2,4 | 347 | 1,9 | 280 | | | | | | | |
| 32 | 4,6 | 426 | 4,2 | 391 | 3,9 | 364 | 3,9 | 382 | 3,8 | 382 | 3,8 | 416 | 3,3 | 367 | 3,1 | 335 | 3,2 | 392 | 2,7 | 334 | 2,4 | 289 | 2,3 | 360 | 1,9 | 297 | | | | | | | |
| 34 | 4,5 | 444 | 4,1 | 408 | 3,8 | 382 | 3,8 | 416 | 3,7 | 416 | 3,7 | 448 | 3,2 | 382 | 3,0 | 351 | 3,0 | 403 | 2,7 | 352 | 2,4 | 307 | 2,3 | 377 | 1,8 | 309 | | | | | | | |
| 36 | 4,3 | 458 | 3,9 | 422 | 3,7 | 399 | 3,7 | 439 | 3,6 | 439 | 3,6 | 471 | 3,1 | 398 | 2,9 | 366 | 2,9 | 417 | 2,6 | 366 | 2,3 | 322 | 2,2 | 389 | 1,8 | 326 | | | | | | | |
| 38 | 4,1 | 471 | 3,8 | 439 | 3,6 | 416 | 3,6 | 455 | 3,5 | 455 | 3,5 | 493 | 3,0 | 412 | 2,8 | 382 | 2,8 | 431 | 2,5 | 380 | 2,3 | 340 | 2,2 | 405 | 1,8 | 342 | | | | | | | |
| 40 | 4,0 | 487 | 3,7 | 455 | 3,5 | 433 | 3,4 | 470 | 3,2 | 470 | 3,2 | 514 | 2,8 | 412 | 2,7 | 416 | 2,6 | 457 | 2,3 | 407 | 2,2 | 372 | 2,1 | 433 | 1,7 | 370 | | | | | | | |
| 44 | 3,7 | 514 | 3,5 | 487 | 3,4 | 470 | 3,4 | 502 | 3,0 | 514 | 2,7 | 548 | 2,6 | 437 | 2,6 | 450 | 2,5 | 486 | 2,2 | 437 | 2,1 | 404 | 2,0 | 461 | 1,6 | 398 | | | | | | | |
| 48 | 3,3 | 534 | 3,3 | 517 | 3,2 | 502 | 3,0 | 527 | 2,7 | 535 | 2,6 | 573 | 2,4 | 473 | 2,4 | 479 | 2,3 | 510 | 2,1 | 466 | 2,0 | 436 | 1,9 | 488 | 1,5 | 425 | | | | | | | |
| 52 | 2,5 | 531 | 2,8 | 531 | 2,9 | 527 | 2,7 | 535 | 2,7 | 535 | 2,6 | 565 | 2,4 | 505 | 2,4 | 512 | 2,1 | 532 | 2,0 | 495 | 1,9 | 468 | 1,8 | 513 | 1,4 | 451 | | | | | | | |
| 56 | 1,8 | 528 | 2,0 | 525 | 2,1 | 525 | 2,1 | 525 | 2,0 | 531 | 2,4 | 531 | 2,3 | 512 | 2,3 | 512 | 2,1 | 532 | 2,0 | 495 | 1,9 | 468 | 1,8 | 513 | 1,4 | 451 | | | | | | | |
| 60 | 1,3 | 531 | 1,4 | 526 | 1,4 | 523 | 1,4 | 523 | 1,4 | 529 | 1,7 | 526 | 1,9 | 528 | 1,9 | 528 | 1,6 | 536 | 1,9 | 524 | 1,8 | 499 | 1,6 | 533 | 1,4 | 483 | | | | | | | |
| 64 | | | | | | | | | | | 1,2 | 530 | 1,2 | 523 | 1,2 | 523 | 1,1 | 535 | 1,4 | 527 | 1,6 | 524 | 1,1 | 532 | 1,3 | 509 | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Tel. | Telescoping sequence % |
|------|------------------------|
| 1 | 100 |
| 2 | 100 |
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |

|  Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | |
|---|------------------------|------|-----|------|-----|------------------------------|----|------|-----|------|------------------------------|------|----|------|----|--------------------|-----|------|------|
| Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 37,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | |
| Working radius (m) | Boom length 13,2 m | | | | | Boom length 13,2 m to 35,0 m | | | | | Boom length 13,2 m to 43,7 m | | | | | Working radius (m) | | | |
| | Fly jib 5,4 m offset | | | | | Fly jib 5,4 m offset | | | | | Fly jib 5,4 m offset | | | | | | | | |
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | | | | | | |
| 3,0 | 76 | 33,2 | | | | | | | | | | | | | | 3,0 | | | |
| 3,5 | 74 | 31,4 | 80 | 23,7 | | | | | | | | | | | | 3,5 | | | |
| 4,0 | 73 | 30,6 | 78 | 22,5 | | | | | | | | | | | | 4,0 | | | |
| 4,5 | 71 | 29,1 | 77 | 22,2 | 81 | 18,5 | | | | | | | | | | 4,5 | | | |
| 5,0 | 70 | 28,4 | 75 | 21,6 | 79 | 18,2 | 82 | 25,6 | | | | | | | | 5,0 | | | |
| 6,0 | 66 | 26,0 | 72 | 20,5 | 76 | 17,9 | 80 | 25,6 | | | | | | | | 6,0 | | | |
| 7,0 | 63 | 24,5 | 68 | 19,8 | 72 | 17,5 | 79 | 25,6 | 81 | 20,9 | | | 81 | 17,1 | | 7,0 | | | |
| 8,0 | 59 | 22,9 | 64 | 19,0 | 68 | 17,2 | 78 | 25,6 | 80 | 20,3 | | | 80 | 16,3 | | 8,0 | | | |
| 9,0 | 56 | 21,6 | 61 | 18,5 | 64 | 16,9 | 76 | 25,4 | 79 | 19,8 | 80 | 17,2 | 79 | 15,6 | 81 | 13,7 | 9,0 | | |
| 10,0 | 52 | 20,5 | 57 | 18,0 | 60 | 16,8 | 75 | 24,5 | 77 | 19,4 | 79 | 16,9 | 78 | 15,0 | 80 | 13,2 | 82 | 12,1 | 10,0 |
| 11,0 | 48 | 19,6 | 52 | 17,5 | 56 | 16,8 | 74 | 23,8 | 76 | 19,0 | 78 | 16,7 | 77 | 14,5 | 79 | 12,8 | 80 | 11,8 | 11,0 |
| 12,0 | 43 | 18,8 | 48 | 17,2 | 51 | 16,8 | 72 | 23,0 | 74 | 18,5 | 76 | 16,5 | 76 | 14,0 | 78 | 12,4 | 79 | 11,4 | 12,0 |
| 14,0 | 33 | 17,5 | 37 | 16,8 | | | 69 | 20,2 | 71 | 17,8 | 73 | 16,1 | 73 | 13,1 | 75 | 11,7 | 77 | 10,9 | 14,0 |
| 16,0 | 15 | 16,8 | | | | | 66 | 16,8 | 68 | 17,1 | 70 | 15,8 | 71 | 12,3 | 73 | 11,1 | 74 | 10,4 | 16,0 |
| 18,0 | | | | | | | 63 | 13,6 | 65 | 14,3 | 67 | 14,7 | 69 | 11,7 | 70 | 10,6 | 72 | 9,9 | 18,0 |
| 20,0 | | | | | | | 60 | 11,2 | 62 | 11,7 | 63 | 12,0 | 66 | 11,1 | 68 | 10,1 | 69 | 9,6 | 20,0 |
| 22,0 | | | | | | | 56 | 9,2 | 58 | 9,6 | 60 | 9,9 | 64 | 9,6 | 65 | 9,7 | 67 | 9,2 | 22,0 |
| 24,0 | | | | | | | 53 | 7,6 | 55 | 8,0 | 56 | 8,2 | 61 | 8,0 | 63 | 8,5 | 64 | 8,7 | 24,0 |
| 26,0 | | | | | | | 49 | 6,3 | 51 | 6,6 | 52 | 6,8 | 58 | 6,7 | 60 | 7,1 | 61 | 7,3 | 26,0 |
| 28,0 | | | | | | | 45 | 5,2 | 47 | 5,4 | 48 | 5,5 | 56 | 5,6 | 57 | 5,9 | 58 | 6,1 | 28,0 |
| 30,0 | | | | | | | 40 | 4,2 | 42 | 4,4 | 43 | 4,5 | 53 | 4,7 | 54 | 4,9 | 55 | 5,1 | 30,0 |
| 32,0 | | | | | | | 35 | 3,4 | 37 | 3,6 | | | 50 | 3,9 | 51 | 4,1 | 52 | 4,2 | 32,0 |
| 34,0 | | | | | | | 29 | 2,7 | 31 | 2,8 | | | 46 | 3,1 | 48 | 3,3 | 49 | 3,4 | 34,0 |
| 36,0 | | | | | | | 22 | 2,1 | 23 | 2,1 | | | 43 | 2,5 | 44 | 2,7 | 45 | 2,7 | 36,0 |
| 38,0 | | | | | | | | | | | | | 39 | 2,0 | 40 | 2,1 | 41 | 2,1 | 38,0 |
| 40,0 | | | | | | | | | | | | | 35 | 1,5 | 36 | 1,6 | | | 40,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | 44,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | Tel. | | | |
| 1 | 0 | | | | | 93 | | | | | 93 | | | | | 1 | | | |
| 2 | 0 | | | | | 46 | | | | | 93 | | | | | 2 | | | |
| 3 | 0 | | | | | 46 | | | | | 46 | | | | | 3 | | | |
| 4 | 0 | | | | | 46 | | | | | 46 | | | | | 4 | | | |
| 5 | 0 | | | | | 0 | | | | | 46 | | | | | 5 | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force F in (kN)
Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
load rating chart 99707789203

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers half extended, outrigger base 5,60 m

| Working radius (m) | Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | | | Working radius (m) | |
|--------------------|---|-----|------|-----|------|-----|------------------------------|-----|------|-----|------|-----|------------------------------|-----|------|-----|------|-----|--------------------|------|
| | Boom length 13,2 m | | | | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | | |
| | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | |
| 3,0 | 33,2 | 419 | | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 31,4 | 397 | 23,7 | 420 | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | 30,6 | 376 | 22,5 | 404 | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | 29,1 | 356 | 22,2 | 386 | 18,5 | 407 | | | | | | | | | | | | | | 4,5 |
| 5,0 | 28,4 | 337 | 21,6 | 370 | 18,2 | 392 | 25,6 | 333 | | | | | | | | | | | | 5,0 |
| 6,0 | 26,0 | 338 | 20,5 | 340 | 17,9 | 362 | 25,6 | 348 | | | | | | | | | | | | 6,0 |
| 7,0 | 24,5 | 361 | 19,8 | 310 | 17,5 | 332 | 25,6 | 389 | 20,9 | 319 | | | 17,1 | 302 | | | | | | 7,0 |
| 8,0 | 22,9 | 379 | 19,0 | 318 | 17,2 | 303 | 25,6 | 430 | 20,3 | 347 | | | 16,3 | 307 | | | | | | 8,0 |
| 9,0 | 21,6 | 397 | 18,5 | 343 | 16,9 | 312 | 25,4 | 469 | 19,8 | 375 | 17,2 | 325 | 15,6 | 327 | 13,7 | 285 | | | | 9,0 |
| 10,0 | 20,5 | 415 | 18,0 | 367 | 16,8 | 342 | 24,5 | 496 | 19,4 | 403 | 16,9 | 352 | 15,0 | 347 | 13,2 | 304 | 12,1 | 285 | | 10,0 |
| 11,0 | 19,6 | 434 | 17,5 | 390 | 16,8 | 372 | 23,8 | 525 | 19,0 | 430 | 16,7 | 380 | 14,5 | 366 | 12,8 | 323 | 11,8 | 294 | | 11,0 |
| 12,0 | 18,8 | 452 | 17,2 | 415 | 16,8 | 403 | 23,0 | 550 | 18,5 | 455 | 16,5 | 407 | 14,0 | 385 | 12,4 | 341 | 11,4 | 311 | | 12,0 |
| 14,0 | 17,5 | 489 | 16,8 | 469 | | | 20,2 | 570 | 17,8 | 507 | 16,1 | 461 | 13,1 | 420 | 11,7 | 377 | 10,9 | 349 | | 14,0 |
| 16,0 | 16,8 | 532 | | | | | 16,8 | 563 | 17,1 | 555 | 15,8 | 515 | 12,3 | 453 | 11,1 | 412 | 10,4 | 385 | | 16,0 |
| 18,0 | | | | | | | 13,6 | 545 | 14,3 | 548 | 14,7 | 548 | 11,7 | 488 | 10,6 | 446 | 9,9 | 418 | | 18,0 |
| 20,0 | | | | | | | 11,2 | 533 | 11,7 | 533 | 12,0 | 532 | 11,1 | 519 | 10,1 | 478 | 9,6 | 454 | | 20,0 |
| 22,0 | | | | | | | 9,2 | 522 | 9,6 | 521 | 9,9 | 521 | 9,6 | 521 | 9,7 | 511 | 9,2 | 486 | | 22,0 |
| 24,0 | | | | | | | 7,6 | 513 | 8,0 | 514 | 8,2 | 513 | 8,0 | 513 | 8,5 | 515 | 8,7 | 513 | | 24,0 |
| 26,0 | | | | | | | 6,3 | 507 | 6,6 | 506 | 6,8 | 507 | 6,7 | 507 | 7,1 | 508 | 7,3 | 507 | | 26,0 |
| 28,0 | | | | | | | 5,2 | 502 | 5,4 | 500 | 5,5 | 499 | 5,6 | 502 | 5,9 | 501 | 6,1 | 501 | | 28,0 |
| 30,0 | | | | | | | 4,2 | 496 | 4,4 | 495 | 4,5 | 496 | 4,7 | 499 | 4,9 | 496 | 5,1 | 498 | | 30,0 |
| 32,0 | | | | | | | 3,4 | 493 | 3,6 | 494 | | | 3,9 | 497 | 4,1 | 495 | 4,2 | 494 | | 32,0 |
| 34,0 | | | | | | | 2,7 | 491 | 2,8 | 490 | | | 3,1 | 491 | 3,3 | 490 | 3,4 | 490 | | 34,0 |
| 36,0 | | | | | | | 2,1 | 490 | 2,1 | 487 | | | 2,5 | 490 | 2,7 | 490 | 2,7 | 487 | | 36,0 |
| 38,0 | | | | | | | | | | | | | 2,0 | 491 | 2,1 | 488 | 2,1 | 486 | | 38,0 |
| 40,0 | | | | | | | | | | | | | 1,5 | 489 | 1,6 | 488 | | | | 40,0 |
| 44,0 | | | | | | | | | | | | | | | | | | | | 44,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | | | | | | 93 | | | | | | 93 | | | | | | 1 | |
| 2 | 0 | | | | | | 46 | | | | | | 93 | | | | | | 2 | |
| 3 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 3 | |
| 4 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 4 | |
| 5 | 0 | | | | | | 0 | | | | | | 46 | | | | | | 5 | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|---|----|-----|----|-----|-----|------------------------------|----|-----|----|-----|---|--------------------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 37,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | |
| | | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | |
| | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | |
| | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | |
| | | ° | | ° | | ° | | ° | | ° | | ° | | | |
| | | ∠ | | ∠ | | ∠ | | ∠ | | ∠ | | ∠ | | | |
| 3,0 | | | | | | | | | | | | | | | 3,0 |
| 3,5 | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | 5,0 |
| 6,0 | | | | | | | | | | | | | | | 6,0 |
| 7,0 | | | | | | | | | | | | | | | 7,0 |
| 8,0 | | | | | | | | | | | | | | | 8,0 |
| 9,0 | | | | | | | | | | | | | | | 9,0 |
| 10,0 | 81 | 10,7 | | | | | | | | | | | | | 10,0 |
| 11,0 | 80 | 10,3 | | | | | 81 | 9,6 | | | | | | | 11,0 |
| 12,0 | 80 | 10,0 | 81 | 9,2 | | | 80 | 9,3 | 82 | 8,6 | | | | | 12,0 |
| 14,0 | 78 | 9,4 | 79 | 8,7 | 81 | 8,2 | 79 | 8,7 | 80 | 8,1 | 81 | 7,7 | | | 14,0 |
| 16,0 | 76 | 8,8 | 78 | 8,2 | 79 | 7,8 | 77 | 8,2 | 79 | 7,7 | 80 | 7,3 | | | 16,0 |
| 18,0 | 74 | 8,4 | 76 | 7,8 | 77 | 7,5 | 75 | 7,8 | 77 | 7,3 | 78 | 7,0 | | | 18,0 |
| 20,0 | 73 | 7,9 | 74 | 7,5 | 75 | 7,2 | 74 | 7,4 | 75 | 7,0 | 76 | 6,7 | | | 20,0 |
| 22,0 | 71 | 7,5 | 72 | 7,2 | 73 | 6,9 | 72 | 7,0 | 74 | 6,7 | 75 | 6,4 | | | 22,0 |
| 24,0 | 69 | 7,2 | 70 | 6,9 | 71 | 6,6 | 70 | 6,7 | 72 | 6,4 | 73 | 6,2 | | | 24,0 |
| 26,0 | 67 | 6,8 | 69 | 6,6 | 69 | 6,4 | 69 | 6,4 | 70 | 6,1 | 71 | 6,0 | | | 26,0 |
| 28,0 | 65 | 6,3 | 67 | 6,3 | 67 | 6,2 | 67 | 6,1 | 68 | 5,9 | 69 | 5,8 | | | 28,0 |
| 30,0 | 63 | 5,4 | 64 | 5,7 | 65 | 5,9 | 65 | 5,4 | 66 | 5,6 | 67 | 5,5 | | | 30,0 |
| 32,0 | 61 | 4,6 | 62 | 4,8 | 63 | 5,0 | 63 | 4,6 | 64 | 4,8 | 65 | 5,0 | | | 32,0 |
| 34,0 | 59 | 3,9 | 60 | 4,1 | 61 | 4,2 | 61 | 3,8 | 63 | 4,1 | 63 | 4,2 | | | 34,0 |
| 36,0 | 57 | 3,2 | 58 | 3,4 | 59 | 3,6 | 59 | 3,2 | 60 | 3,4 | 61 | 3,6 | | | 36,0 |
| 38,0 | 55 | 2,7 | 56 | 2,9 | 56 | 3,0 | 57 | 2,7 | 58 | 2,9 | 59 | 3,0 | | | 38,0 |
| 40,0 | 52 | 2,2 | 53 | 2,4 | 54 | 2,4 | 55 | 2,2 | 56 | 2,4 | 57 | 2,5 | | | 40,0 |
| 44,0 | 47 | 1,3 | 48 | 1,5 | 49 | 1,5 | 51 | 1,3 | 52 | 1,5 | 52 | 1,5 | | | 44,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | Tel. |
| 1 | 93 | | | | | | 100 | | | | | | 1 | | |
| 2 | 93 | | | | | | 100 | | | | | | 2 | | |
| 3 | 93 | | | | | | 100 | | | | | | 3 | | |
| 4 | 93 | | | | | | 100 | | | | | | 4 | | |
| 5 | 93 | | | | | | 100 | | | | | | 5 | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789203

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers half extended, outrigger base 5,60 m

| Working radius (m) | Boom length 13,2 m to 56,7 m | | | | | | | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------------|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|------------------------------|---|--|---|--|---|---|--|--|--|-----|------|--------------------|
| | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | | | | | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | | | | | | | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | | F | | F | | F | | | | | | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | | | 3,0 | | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | | | 3,5 | |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | | | 4,0 | |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | | | 4,5 | |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | | | 5,0 | |
| 6,0 | | | | | | | | | | | | | | | | | | | | | | | | 6,0 | |
| 7,0 | | | | | | | | | | | | | | | | | | | | | | | | 7,0 | |
| 8,0 | | | | | | | | | | | | | | | | | | | | | | | | 8,0 | |
| 9,0 | | | | | | | | | | | | | | | | | | | | | | | | 9,0 | |
| 10,0 | 10,7 | 280 | | | | | | | | | | | | | | | | | | | | | | 10,0 | |
| 11,0 | 10,3 | 286 | | | | | | 9,6 | 275 | | | | | | | | | | | | | | | 11,0 | |
| 12,0 | 10,0 | 303 | 9,2 | 274 | | | | 9,3 | 290 | 8,6 | 274 | | | | | | | | | | | | | 12,0 | |
| 14,0 | 9,4 | 333 | 8,7 | 304 | 8,2 | 283 | 8,7 | 319 | 8,1 | 293 | 7,7 | 273 | | | | | | | | | | | | 14,0 | |
| 16,0 | 8,8 | 360 | 8,2 | 332 | 7,8 | 312 | 8,2 | 346 | 7,7 | 321 | 7,3 | 301 | | | | | | | | | | | | 16,0 | |
| 18,0 | 8,4 | 389 | 7,8 | 360 | 7,5 | 342 | 7,8 | 374 | 7,3 | 348 | 7,0 | 330 | | | | | | | | | | | | 18,0 | |
| 20,0 | 7,9 | 413 | 7,5 | 389 | 7,2 | 370 | 7,4 | 400 | 7,0 | 376 | 6,7 | 357 | | | | | | | | | | | | 20,0 | |
| 22,0 | 7,5 | 438 | 7,2 | 416 | 6,9 | 397 | 7,0 | 424 | 6,7 | 402 | 6,4 | 383 | | | | | | | | | | | | 22,0 | |
| 24,0 | 7,2 | 465 | 6,9 | 442 | 6,6 | 423 | 6,7 | 449 | 6,4 | 426 | 6,2 | 410 | | | | | | | | | | | | 24,0 | |
| 26,0 | 6,8 | 486 | 6,6 | 467 | 6,4 | 451 | 6,4 | 473 | 6,1 | 450 | 6,0 | 437 | | | | | | | | | | | | 26,0 | |
| 28,0 | 6,3 | 502 | 6,3 | 490 | 6,2 | 477 | 6,1 | 495 | 5,9 | 475 | 5,8 | 462 | | | | | | | | | | | | 28,0 | |
| 30,0 | 5,4 | 500 | 5,7 | 500 | 5,9 | 499 | 5,4 | 500 | 5,6 | 496 | 5,5 | 483 | | | | | | | | | | | | 30,0 | |
| 32,0 | 4,6 | 497 | 4,8 | 494 | 5,0 | 495 | 4,6 | 498 | 4,8 | 494 | 5,0 | 494 | | | | | | | | | | | | 32,0 | |
| 34,0 | 3,9 | 495 | 4,1 | 493 | 4,2 | 490 | 3,8 | 491 | 4,1 | 493 | 4,2 | 490 | | | | | | | | | | | | 34,0 | |
| 36,0 | 3,2 | 490 | 3,4 | 489 | 3,6 | 491 | 3,2 | 490 | 3,4 | 489 | 3,6 | 491 | | | | | | | | | | | | 36,0 | |
| 38,0 | 2,7 | 491 | 2,9 | 491 | 3,0 | 490 | 2,7 | 491 | 2,9 | 491 | 3,0 | 489 | | | | | | | | | | | | 38,0 | |
| 40,0 | 2,2 | 490 | 2,4 | 490 | 2,4 | 485 | 2,2 | 490 | 2,4 | 490 | 2,5 | 489 | | | | | | | | | | | | 40,0 | |
| 44,0 | 1,3 | 485 | 1,5 | 488 | 1,5 | 484 | 1,3 | 486 | 1,5 | 488 | 1,5 | 483 | | | | | | | | | | | | 44,0 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 93 | | | | | | 100 | | | | | | | | | | | | 1 | | | | | | |
| 2 | 93 | | | | | | 100 | | | | | | | | | | | | 2 | | | | | | |
| 3 | 93 | | | | | | 100 | | | | | | | | | | | | 3 | | | | | | |
| 4 | 93 | | | | | | 100 | | | | | | | | | | | | 4 | | | | | | |
| 5 | 93 | | | | | | 100 | | | | | | | | | | | | 5 | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

Counterweight 37,0 t

On outriggers, 360° working area

Outriggers half extended, outrigger base 5,60 m

Boom length 13,2 m to 56,7 m

| Working radius (m) | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | | Working radius (m) | |
|--------------------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|--------------------|------|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | |
| 11 | 81 | 7,5 | | | | | | | | | | | | | | | 11 |
| 12 | 80 | 7,5 | | | | | | | | | | | | | | | 12 |
| 14 | 79 | 7,5 | | | | | | | | | | | | | | | 14 |
| 16 | 77 | 7,1 | 81 | 5,6 | | | | | | | | | | | | | 16 |
| 18 | 76 | 6,7 | 79 | 5,4 | | | | | | | | | | | | | 18 |
| 20 | 74 | 6,4 | 78 | 5,2 | 81 | 4,4 | 81 | 4,6 | | | | | | | | | 20 |
| 22 | 73 | 6,1 | 76 | 5,1 | 79 | 4,3 | 79 | 4,4 | | | | | | | | | 22 |
| 24 | 71 | 5,8 | 75 | 4,9 | 77 | 4,2 | 73 | 4,9 | 78 | 4,2 | | | | | | | 24 |
| 26 | 70 | 5,6 | 73 | 4,8 | 76 | 4,2 | 72 | 4,7 | 76 | 4,1 | 80 | 3,7 | 73 | 3,8 | 79 | 3,1 | 26 |
| 28 | 68 | 5,3 | 71 | 4,7 | 74 | 4,1 | 70 | 4,5 | 75 | 3,9 | 79 | 3,6 | 72 | 3,7 | 78 | 3,0 | 28 |
| 30 | 66 | 5,1 | 70 | 4,5 | 72 | 4,0 | 69 | 4,3 | 73 | 3,8 | 77 | 3,5 | 71 | 3,6 | 76 | 2,9 | 30 |
| 32 | 65 | 4,9 | 68 | 4,4 | 71 | 4,0 | 67 | 4,1 | 72 | 3,6 | 75 | 3,4 | 69 | 3,5 | 75 | 2,9 | 32 |
| 34 | 63 | 4,4 | 66 | 4,3 | 69 | 3,9 | 66 | 4,0 | 70 | 3,5 | 74 | 3,2 | 68 | 3,3 | 74 | 2,8 | 34 |
| 36 | 61 | 3,7 | 65 | 4,1 | 67 | 3,8 | 64 | 3,8 | 69 | 3,4 | 72 | 3,2 | 67 | 3,2 | 72 | 2,7 | 36 |
| 38 | 59 | 3,2 | 63 | 3,7 | 65 | 3,8 | 63 | 3,4 | 67 | 3,3 | 70 | 3,1 | 65 | 3,1 | 71 | 2,7 | 38 |
| 40 | 57 | 2,7 | 61 | 3,1 | 63 | 3,4 | 61 | 2,9 | 65 | 3,2 | 69 | 3,0 | 64 | 3,0 | 69 | 2,6 | 40 |
| 44 | 54 | 1,8 | 57 | 2,2 | 59 | 2,4 | 57 | 2,0 | 62 | 2,6 | 65 | 2,8 | 61 | 2,2 | 66 | 2,4 | 44 |
| 48 | | | | | 54 | 1,6 | | | 58 | 1,8 | 61 | 2,1 | | | 63 | 2,1 | 48 |
| 52 | | | | | | | | | | | | | | | 63 | 1,8 | 52 |
| Tel. | | | | | | | | | | | | | | | | | Tel. |
| 1 | | | | | | | | | | | | | | | | | 1 |
| 2 | | | | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | 3 |
| 4 | | | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | | | 5 |

Telescoping sequence %

93
93
93
93
93



Outrigger reaction force chart ATF 160G-5

Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789307
 Outrigger reaction force **F** in (kN)
Counterweight 37,0 t

On outriggers, 360° working area
 Outriggers half extended, outrigger base 5,60 m
 Boom length 13,2 m to 56,7 m

Working radius (m)

| | 0° | | | 20° | | | 40° | | | 0° | | | 20° | | | 40° | | | 0° | | | 20° | | | 40° | | | 0° | | | 20° | | | 40° | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|--|-----|---|--|----|---|--|-----|---|--|-----|--|--|--|
| | m | F | | m | F | | m | F | | m | F | | m | F | | m | F | | m | F | | m | F | | m | F | | m | F | | m | F | | | | | |
| 11 | 7,5 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 7,5 | 283 | | 5,6 | 310 | | | | | 4,2 | 331 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 7,5 | 286 | | 5,6 | 280 | | | | | 4,2 | 304 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 7,1 | 312 | 5,6 | 277 | | | | | | 4,2 | 278 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 6,7 | 336 | 5,4 | 271 | | | | | | 4,2 | 267 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 6,4 | 360 | 5,2 | 296 | 4,4 | 268 | 4,4 | 268 | 4,4 | 4,2 | 293 | 4,6 | 262 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 6,1 | 384 | 5,1 | 322 | 4,3 | 272 | 4,3 | 272 | 4,3 | 4,0 | 314 | 4,4 | 284 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 5,8 | 406 | 4,9 | 346 | 4,2 | 298 | 4,2 | 298 | 4,2 | 3,9 | 336 | 4,2 | 305 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 5,6 | 429 | 4,8 | 371 | 4,2 | 326 | 4,2 | 326 | 4,2 | 3,8 | 358 | 4,1 | 328 | 3,7 | 277 | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 5,3 | 449 | 4,7 | 396 | 4,1 | 350 | 4,1 | 350 | 4,1 | 3,7 | 380 | 3,0 | 299 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 5,1 | 470 | 4,5 | 417 | 4,0 | 375 | 4,0 | 375 | 4,0 | 3,6 | 401 | 2,9 | 319 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 4,9 | 491 | 4,4 | 441 | 4,0 | 403 | 4,1 | 403 | 4,1 | 3,5 | 421 | 2,9 | 343 | 2,5 | 256 | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 4,4 | 497 | 4,3 | 465 | 3,9 | 426 | 4,0 | 426 | 4,0 | 3,5 | 437 | 2,8 | 362 | 2,4 | 280 | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 3,7 | 492 | 4,1 | 484 | 3,8 | 450 | 3,8 | 450 | 3,8 | 3,2 | 456 | 2,7 | 381 | 2,4 | 299 | 2,4 | 323 | 2,3 | 412 | 1,9 | 329 | | | | | | | | | | | | | | | | |
| 38 | 3,2 | 493 | 3,7 | 491 | 3,8 | 477 | 3,4 | 495 | 3,3 | 3,1 | 475 | 2,7 | 405 | 2,3 | 342 | 2,3 | 342 | 2,3 | 433 | 1,8 | 346 | | | | | | | | | | | | | | | | |
| 40 | 2,7 | 492 | 3,1 | 487 | 3,4 | 485 | 2,9 | 494 | 3,2 | 3,0 | 494 | 2,6 | 423 | 2,3 | 366 | 2,2 | 449 | 1,8 | 367 | | | | | | | | | | | | | | | | | | |
| 44 | 1,8 | 488 | 2,2 | 487 | 2,4 | 483 | 2,0 | 490 | 2,6 | 2,2 | 496 | 2,4 | 456 | 2,2 | 409 | 2,1 | 486 | 1,7 | 404 | | | | | | | | | | | | | | | | | | |
| 48 | | | | | 1,6 | 484 | | | 1,8 | 487 | 2,1 | 482 | | | 1,8 | 481 | | | | | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Telescoping sequence %

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tel. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

05.07.2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m
Counterweight 37,0 t

On outriggers, 360° working area

Outriggers half extended, outrigger base 5,60 m

Boom length 13,2 m to 60,0 m

Working radius (m)

Working radius (m)

| | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | | | |
|----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----|-----|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | |
| 12 | 81 | 6,3 | | | | | | | | | | | | | | | |
| 14 | 79 | 6,3 | | | | | 81 | 3,6 | | | | | | | | | |
| 16 | 78 | 6,3 | | | | | 80 | 3,6 | | | | | | | 81 | 2,1 | |
| 18 | 77 | 6,3 | 80 | 5,3 | | | 79 | 3,6 | | | | | | | 80 | 2,0 | |
| 20 | 75 | 6,0 | 79 | 5,2 | 81 | 4,4 | 78 | 3,6 | | | | | | | 79 | 1,9 | |
| 22 | 74 | 5,7 | 77 | 5,0 | 80 | 4,3 | 77 | 3,6 | | | | | | | 78 | 1,9 | |
| 24 | 73 | 5,5 | 76 | 4,9 | 78 | 4,2 | 74 | 4,6 | 79 | 4,0 | | | | | 77 | 1,8 | |
| 26 | 71 | 5,2 | 74 | 4,7 | 77 | 4,1 | 73 | 4,4 | 77 | 3,9 | 81 | 3,1 | | | 76 | 1,8 | |
| 28 | 69 | 5,0 | 73 | 4,5 | 75 | 4,1 | 71 | 4,2 | 76 | 3,7 | 80 | 3,4 | 73 | 3,6 | 79 | 2,9 | |
| 30 | 68 | 4,8 | 71 | 4,3 | 74 | 4,0 | 70 | 4,1 | 74 | 3,6 | 78 | 3,3 | 72 | 3,4 | 77 | 2,9 | |
| 32 | 66 | 4,6 | 70 | 4,2 | 72 | 3,9 | 69 | 3,9 | 73 | 3,4 | 77 | 3,2 | 71 | 3,3 | 76 | 2,8 | |
| 34 | 65 | 4,3 | 68 | 4,1 | 70 | 3,8 | 67 | 3,8 | 72 | 3,3 | 75 | 3,1 | 69 | 3,2 | 75 | 2,7 | |
| 36 | 63 | 3,7 | 66 | 3,9 | 68 | 3,7 | 66 | 3,6 | 70 | 3,2 | 73 | 3,0 | 68 | 3,0 | 73 | 2,7 | |
| 38 | 61 | 3,1 | 65 | 3,6 | 67 | 3,6 | 64 | 3,3 | 68 | 3,1 | 72 | 2,9 | 67 | 2,9 | 72 | 2,6 | |
| 40 | 60 | 2,6 | 63 | 3,1 | 65 | 3,4 | 63 | 2,8 | 67 | 3,0 | 70 | 2,8 | 65 | 2,8 | 71 | 2,5 | |
| 44 | 56 | 1,8 | 59 | 2,2 | 61 | 2,4 | 60 | 1,9 | 64 | 2,6 | 67 | 2,7 | 62 | 2,1 | 68 | 2,3 | |
| 48 | | | | | 57 | 1,6 | | | 60 | 1,8 | 63 | 2,1 | | 65 | 2,1 | 68 | 2,1 |
| 52 | | | | | | | | | | | | | | 65 | 1,8 | | |

Telescoping sequence %

| Tel. | 1 | 2 | 3 | 4 | 5 |
|------|-----|-----|-----|-----|-----|
| 1 | 100 | | | | |
| 2 | 100 | 100 | | | |
| 3 | 100 | 100 | 100 | | |
| 4 | 100 | 100 | 100 | 100 | |
| 5 | 100 | 100 | 100 | 100 | 100 |

05.07.2004

The operation manual and the notes to the load rating chart have to be observed !

997077899308



Outrigger reaction force chart ATF 160G-5

Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789308

Outrigger reaction force **F** in (kN)

Counterweight **37,0 t**

On outriggers, 360° working area

Outriggers half extended, outrigger base 5,60 m

Boom length 13,2 m to 60,0 m

Working radius (m)

Working radius (m)

| Working radius (m) | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | | |
|--------------------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F |
| 12 | 6,3 | 296 | | | | | | | | | | | | | | |
| 14 | 6,3 | 264 | | | | | | | | | | | | | | |
| 16 | 6,3 | 295 | | | | | | | | | | | | | | |
| 18 | 6,3 | 327 | 5,3 | 269 | | | | | | | | | | | | |
| 20 | 6,0 | 351 | 5,2 | 296 | 4,4 | 268 | 4,8 | 314 | 4,4 | 261 | | | | | | |
| 22 | 5,7 | 373 | 5,0 | 320 | 4,3 | 273 | 4,8 | 342 | 4,2 | 279 | | | | | | |
| 24 | 5,5 | 397 | 4,9 | 347 | 4,2 | 298 | 4,6 | 364 | 4,0 | 300 | | | | | | |
| 26 | 5,2 | 417 | 4,7 | 369 | 4,1 | 323 | 4,4 | 385 | 3,9 | 323 | 3,5 | 271 | | | | |
| 28 | 5,0 | 439 | 4,5 | 390 | 4,1 | 351 | 4,2 | 405 | 3,7 | 342 | 3,4 | 294 | 2,9 | 297 | | |
| 30 | 4,8 | 460 | 4,3 | 411 | 4,0 | 375 | 4,1 | 427 | 3,6 | 364 | 3,3 | 317 | 2,9 | 321 | 2,5 | 257 |
| 32 | 4,6 | 480 | 4,2 | 434 | 3,9 | 399 | 3,9 | 445 | 3,4 | 382 | 3,2 | 339 | 2,8 | 341 | 2,5 | 281 |
| 34 | 4,3 | 495 | 4,1 | 457 | 3,8 | 422 | 3,8 | 467 | 3,3 | 403 | 3,1 | 360 | 2,7 | 360 | 2,4 | 301 |
| 36 | 3,7 | 494 | 3,9 | 476 | 3,7 | 445 | 3,6 | 483 | 3,2 | 424 | 3,0 | 381 | 2,7 | 384 | 2,4 | 325 |
| 38 | 3,1 | 491 | 3,6 | 488 | 3,6 | 468 | 3,3 | 494 | 3,1 | 444 | 2,9 | 402 | 2,6 | 402 | 2,3 | 344 |
| 40 | 2,6 | 489 | 3,1 | 489 | 3,4 | 485 | 2,8 | 492 | 3,0 | 464 | 2,8 | 423 | 2,5 | 421 | 2,3 | 368 |
| 44 | 1,8 | 491 | 2,2 | 488 | 2,4 | 483 | 1,9 | 488 | 2,6 | 490 | 2,7 | 468 | 2,1 | 494 | 2,2 | 411 |
| 48 | | | | | 1,6 | 484 | | | 1,8 | 489 | 2,1 | 483 | | | 2,1 | 490 |
| 52 | | | | | | | | | | | | | | | 1,8 | 482 |

Telescoping sequence %

| | |
|------|-----|
| Tel. | |
| 1 | 100 |
| 2 | 100 |
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |

05.07.2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | FAUN Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 25,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|---|-----|------|----------------------------|------|-----|------------------------------|-----|------|----------------------------|------|-----|------------------------------|------|------|----------------------------|------|------|--------------------|--|
| | | Boom length 13,2 m | | | | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | | |
| | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | |
| | | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | |
| 3,0 | 76 | 33,2 | | | | | | | | | | | | | | | | | 3,0 | | |
| 3,5 | 74 | 31,4 | 80 | 23,7 | | | | | | | | | | | | | | | 3,5 | | |
| 4,0 | 73 | 30,6 | 78 | 22,5 | | | | | | | | | | | | | | | 4,0 | | |
| 4,5 | 71 | 29,1 | 77 | 22,2 | 81 | 18,5 | | | | | | | | | | | | | 4,5 | | |
| 5,0 | 70 | 28,4 | 75 | 21,6 | 79 | 18,2 | 82 | 25,6 | | | | | | | | | | | 5,0 | | |
| 6,0 | 66 | 26,0 | 72 | 20,5 | 76 | 17,9 | 80 | 25,6 | | | | | | | | | | | 6,0 | | |
| 7,0 | 63 | 24,5 | 68 | 19,8 | 72 | 17,5 | 79 | 25,6 | 81 | 20,9 | | | | 81 | 17,1 | | | | 7,0 | | |
| 8,0 | 59 | 22,9 | 64 | 19,0 | 68 | 17,2 | 78 | 25,6 | 80 | 20,3 | | | | 80 | 16,3 | | | | 8,0 | | |
| 9,0 | 56 | 21,6 | 61 | 18,5 | 64 | 16,9 | 76 | 25,4 | 79 | 19,8 | 80 | 17,2 | 79 | 15,6 | 81 | 13,7 | | | 9,0 | | |
| 10,0 | 52 | 20,5 | 57 | 18,0 | 60 | 16,8 | 75 | 24,5 | 77 | 19,4 | 79 | 16,9 | 78 | 15,0 | 80 | 13,2 | 82 | 12,1 | 10,0 | | |
| 11,0 | 48 | 19,6 | 52 | 17,5 | 56 | 16,8 | 74 | 23,8 | 76 | 19,0 | 78 | 16,7 | 77 | 14,5 | 79 | 12,8 | 80 | 11,8 | 11,0 | | |
| 12,0 | 43 | 18,8 | 48 | 17,2 | 51 | 16,8 | 72 | 23,0 | 74 | 18,5 | 76 | 16,5 | 76 | 14,0 | 78 | 12,4 | 79 | 11,4 | 12,0 | | |
| 14,0 | 33 | 17,5 | 37 | 16,8 | | | 69 | 20,8 | 71 | 17,8 | 73 | 16,1 | 73 | 13,1 | 75 | 11,7 | 77 | 10,9 | 14,0 | | |
| 16,0 | 15 | 16,8 | | | | | 66 | 18,9 | 68 | 17,1 | 70 | 15,8 | 71 | 12,3 | 73 | 11,1 | 74 | 10,4 | 16,0 | | |
| 18,0 | | | | | | | 63 | 16,7 | 65 | 16,6 | 67 | 15,6 | 69 | 11,7 | 70 | 10,6 | 72 | 9,9 | 18,0 | | |
| 20,0 | | | | | | | 60 | 13,6 | 62 | 14,2 | 63 | 14,6 | 66 | 11,1 | 68 | 10,1 | 69 | 9,6 | 20,0 | | |
| 22,0 | | | | | | | 56 | 11,2 | 58 | 11,7 | 60 | 12,0 | 64 | 10,6 | 65 | 9,7 | 67 | 9,2 | 22,0 | | |
| 24,0 | | | | | | | 53 | 9,3 | 55 | 9,7 | 56 | 10,0 | 61 | 9,8 | 63 | 9,4 | 64 | 8,9 | 24,0 | | |
| 26,0 | | | | | | | 49 | 7,8 | 51 | 8,1 | 52 | 8,3 | 58 | 8,2 | 60 | 8,6 | 61 | 8,7 | 26,0 | | |
| 28,0 | | | | | | | 45 | 6,5 | 47 | 6,8 | 48 | 6,9 | 56 | 6,9 | 57 | 7,3 | 58 | 7,5 | 28,0 | | |
| 30,0 | | | | | | | 40 | 5,4 | 42 | 5,6 | 43 | 5,7 | 53 | 5,8 | 54 | 6,1 | 55 | 6,3 | 30,0 | | |
| 32,0 | | | | | | | 35 | 4,5 | 37 | 4,6 | | | 50 | 4,9 | 51 | 5,2 | 52 | 5,3 | 32,0 | | |
| 34,0 | | | | | | | 29 | 3,7 | 31 | 3,8 | | | 46 | 4,1 | 48 | 4,3 | 49 | 4,4 | 34,0 | | |
| 36,0 | | | | | | | 22 | 3,0 | 23 | 3,0 | | | 43 | 3,4 | 44 | 3,6 | 45 | 3,6 | 36,0 | | |
| 38,0 | | | | | | | | | | | | | 39 | 2,8 | 40 | 2,9 | 41 | 2,9 | 38,0 | | |
| 40,0 | | | | | | | | | | | | | 35 | 2,2 | 36 | 2,3 | | | 40,0 | | |
| 44,0 | | | | | | | | | | | | | 23 | 1,3 | 25 | 1,3 | | | 44,0 | | |
| 48,0 | | | | | | | | | | | | | | | | | | | 48,0 | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 0 | | | | | | 93 | | | | | | 93 | | | | | | 1 | | |
| 2 | 0 | | | | | | 46 | | | | | | 93 | | | | | | 2 | | |
| 3 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 3 | | |
| 4 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 4 | | |
| 5 | 0 | | | | | | 0 | | | | | | 46 | | | | | | 5 | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789204

Counterweight 25,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length 13,2 m | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | Working radius (m) | | | |
|--------------------|------------------------|-----|------|------------------------------|------|-----|------|-----|------|------------------------------|------|-----|------|-----|------|--------------------|------|-----|------|
| | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | | F | m | F |
| 3,0 | 33,2 | 324 | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 31,4 | 306 | 23,7 | 317 | | | | | | | | | | | | | | | 3,5 |
| 4,0 | 30,6 | 309 | 22,5 | 304 | | | | | | | | | | | | | | | 4,0 |
| 4,5 | 29,1 | 316 | 22,2 | 291 | 18,5 | 303 | | | | | | | | | | | | | 4,5 |
| 5,0 | 28,4 | 327 | 21,6 | 278 | 18,2 | 292 | 25,6 | 316 | | | | | | | | | | | 5,0 |
| 6,0 | 26,0 | 339 | 20,5 | 283 | 17,9 | 269 | 25,6 | 347 | | | | | | | | | | | 6,0 |
| 7,0 | 24,5 | 355 | 19,8 | 302 | 17,5 | 273 | 25,6 | 378 | 20,9 | 321 | | | 17,1 | 294 | | | | | 7,0 |
| 8,0 | 22,9 | 368 | 19,0 | 319 | 17,2 | 293 | 25,6 | 409 | 20,3 | 342 | | | 16,3 | 309 | | | | | 8,0 |
| 9,0 | 21,6 | 381 | 18,5 | 337 | 16,9 | 313 | 25,4 | 438 | 19,8 | 363 | 17,2 | 323 | 15,6 | 323 | 13,7 | 290 | | | 9,0 |
| 10,0 | 20,5 | 393 | 18,0 | 355 | 16,8 | 335 | 24,5 | 458 | 19,4 | 384 | 16,9 | 343 | 15,0 | 338 | 13,2 | 304 | 12,1 | 281 | 10,0 |
| 11,0 | 19,6 | 407 | 17,5 | 372 | 16,8 | 358 | 23,8 | 479 | 19,0 | 404 | 16,7 | 364 | 14,5 | 352 | 12,8 | 318 | 11,8 | 296 | 11,0 |
| 12,0 | 18,8 | 420 | 17,2 | 391 | 16,8 | 382 | 23,0 | 497 | 18,5 | 422 | 16,5 | 385 | 14,0 | 366 | 12,4 | 332 | 11,4 | 309 | 12,0 |
| 14,0 | 17,5 | 447 | 16,8 | 431 | | | 20,8 | 520 | 17,8 | 461 | 16,1 | 425 | 13,1 | 392 | 11,7 | 358 | 10,9 | 337 | 14,0 |
| 16,0 | 16,8 | 480 | | | | | 18,9 | 540 | 17,1 | 497 | 15,8 | 466 | 12,3 | 417 | 11,1 | 384 | 10,4 | 363 | 16,0 |
| 18,0 | | | | | | | 16,7 | 547 | 16,6 | 534 | 15,6 | 507 | 11,7 | 442 | 10,6 | 410 | 9,9 | 388 | 18,0 |
| 20,0 | | | | | | | 13,6 | 527 | 14,2 | 530 | 14,6 | 531 | 11,1 | 465 | 10,1 | 434 | 9,6 | 415 | 20,0 |
| 22,0 | | | | | | | 11,2 | 512 | 11,7 | 514 | 12,0 | 514 | 10,6 | 489 | 9,7 | 458 | 9,2 | 439 | 22,0 |
| 24,0 | | | | | | | 9,3 | 500 | 9,7 | 501 | 10,0 | 503 | 9,8 | 503 | 9,4 | 483 | 8,9 | 464 | 24,0 |
| 26,0 | | | | | | | 7,8 | 493 | 8,1 | 493 | 8,3 | 493 | 8,2 | 493 | 8,6 | 494 | 8,7 | 491 | 26,0 |
| 28,0 | | | | | | | 6,5 | 485 | 6,8 | 486 | 6,9 | 486 | 6,9 | 485 | 7,3 | 488 | 7,5 | 488 | 28,0 |
| 30,0 | | | | | | | 5,4 | 479 | 5,6 | 479 | 5,7 | 479 | 5,8 | 479 | 6,1 | 480 | 6,3 | 482 | 30,0 |
| 32,0 | | | | | | | 4,5 | 476 | 4,6 | 473 | | | 4,9 | 476 | 5,2 | 477 | 5,3 | 476 | 32,0 |
| 34,0 | | | | | | | 3,7 | 472 | 3,8 | 471 | | | 4,1 | 472 | 4,3 | 472 | 4,4 | 471 | 34,0 |
| 36,0 | | | | | | | 3,0 | 469 | 3,0 | 467 | | | 3,4 | 469 | 3,6 | 470 | 3,6 | 467 | 36,0 |
| 38,0 | | | | | | | | | | | | | 2,8 | 467 | 2,9 | 465 | 2,9 | 464 | 38,0 |
| 40,0 | | | | | | | | | | | | | 2,2 | 463 | 2,3 | 463 | | | 40,0 |
| 44,0 | | | | | | | | | | | | | 1,3 | 462 | 1,3 | 460 | | | 44,0 |
| 48,0 | | | | | | | | | | | | | | | | | | | 48,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | | 93 | | | | | | 93 | | | | | | 1 | | | |
| 2 | 0 | | | 46 | | | | | | 93 | | | | | | 2 | | | |
| 3 | 0 | | | 46 | | | | | | 46 | | | | | | 3 | | | |
| 4 | 0 | | | 46 | | | | | | 46 | | | | | | 4 | | | |
| 5 | 0 | | | 0 | | | | | | 46 | | | | | | 5 | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981,
at fly jib 5,4 m
Counterweight 25,0 t
On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length 13,2 m to 56,7 m | | | | | | | | | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------------|------|-----|-----|-----|-----|----|----------------------|----|-----|-----|-----|-----|-----|------------------------------|---|---|---|---|---|---|---|---|---|---|-----|------|--|--------------------|
| | Fly jib 5,4 m offset | | | | | | | Fly jib 5,4 m offset | | | | | | | | | | | | | | | | | | | | | |
| | 0° | | 20° | | 40° | | | 0° | | 20° | | 40° | | | | | | | | | | | | | | | | | |
| | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | |
| 3,0 | | | | | | | | | | | | | | | | | | | | | | | | | | 3,0 | | | |
| 3,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3,5 | | |
| 4,0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4,0 | | |
| 4,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4,5 | | |
| 5,0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5,0 | | |
| 6,0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6,0 | | |
| 7,0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 7,0 | | |
| 8,0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 8,0 | | |
| 9,0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9,0 | | |
| 10,0 | 81 | 10,7 | | | | | | | | | | | | | | | | | | | | | | | | | 10,0 | | |
| 11,0 | 80 | 10,3 | | | | | | | | 81 | 9,6 | | | | | | | | | | | | | | | | 11,0 | | |
| 12,0 | 80 | 10,0 | 81 | 9,2 | | | | | | 80 | 9,3 | 82 | 8,6 | | | | | | | | | | | | | | 12,0 | | |
| 14,0 | 78 | 9,4 | 79 | 8,7 | 81 | 8,2 | 79 | 8,7 | 80 | 8,1 | 81 | 7,7 | | | | | | | | | | | | | | | 14,0 | | |
| 16,0 | 76 | 8,8 | 78 | 8,2 | 79 | 7,8 | 77 | 8,2 | 79 | 7,7 | 80 | 7,3 | | | | | | | | | | | | | | | 16,0 | | |
| 18,0 | 74 | 8,4 | 76 | 7,8 | 77 | 7,5 | 75 | 7,8 | 77 | 7,3 | 78 | 7,0 | | | | | | | | | | | | | | | 18,0 | | |
| 20,0 | 73 | 7,9 | 74 | 7,5 | 75 | 7,2 | 74 | 7,4 | 75 | 7,0 | 76 | 6,7 | | | | | | | | | | | | | | | 20,0 | | |
| 22,0 | 71 | 7,5 | 72 | 7,2 | 73 | 6,9 | 72 | 7,0 | 74 | 6,7 | 75 | 6,4 | | | | | | | | | | | | | | | 22,0 | | |
| 24,0 | 69 | 7,2 | 70 | 6,9 | 71 | 6,6 | 70 | 6,7 | 72 | 6,4 | 73 | 6,2 | | | | | | | | | | | | | | | 24,0 | | |
| 26,0 | 67 | 6,8 | 69 | 6,6 | 69 | 6,4 | 69 | 6,4 | 70 | 6,1 | 71 | 6,0 | | | | | | | | | | | | | | | 26,0 | | |
| 28,0 | 65 | 6,5 | 67 | 6,3 | 67 | 6,2 | 67 | 6,1 | 68 | 5,9 | 69 | 5,8 | | | | | | | | | | | | | | | 28,0 | | |
| 30,0 | 63 | 6,3 | 64 | 6,0 | 65 | 5,9 | 65 | 5,8 | 66 | 5,6 | 67 | 5,5 | | | | | | | | | | | | | | | 30,0 | | |
| 32,0 | 61 | 5,6 | 62 | 5,8 | 63 | 5,7 | 63 | 5,6 | 64 | 5,4 | 65 | 5,3 | | | | | | | | | | | | | | | 32,0 | | |
| 34,0 | 59 | 4,8 | 60 | 5,1 | 61 | 5,2 | 61 | 4,8 | 63 | 5,1 | 63 | 5,1 | | | | | | | | | | | | | | | 34,0 | | |
| 36,0 | 57 | 4,1 | 58 | 4,3 | 59 | 4,5 | 59 | 4,1 | 60 | 4,3 | 61 | 4,5 | | | | | | | | | | | | | | | 36,0 | | |
| 38,0 | 55 | 3,5 | 56 | 3,7 | 56 | 3,8 | 57 | 3,5 | 58 | 3,7 | 59 | 3,8 | | | | | | | | | | | | | | | 38,0 | | |
| 40,0 | 52 | 2,9 | 53 | 3,1 | 54 | 3,2 | 55 | 2,9 | 56 | 3,1 | 57 | 3,2 | | | | | | | | | | | | | | | 40,0 | | |
| 44,0 | 47 | 2,0 | 48 | 2,1 | 49 | 2,2 | 51 | 2,0 | 52 | 2,1 | 52 | 2,2 | | | | | | | | | | | | | | | 44,0 | | |
| 48,0 | 42 | 1,2 | 43 | 1,3 | 43 | 1,3 | 46 | 1,2 | 47 | 1,3 | 47 | 1,4 | | | | | | | | | | | | | | | 48,0 | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 93 | | | | | | | | | | | | | 100 | | | | | | | | | | | | | 1 | | |
| 2 | 93 | | | | | | | | | | | | | 100 | | | | | | | | | | | | | 2 | | |
| 3 | 93 | | | | | | | | | | | | | 100 | | | | | | | | | | | | | 3 | | |
| 4 | 93 | | | | | | | | | | | | | 100 | | | | | | | | | | | | | 4 | | |
| 5 | 93 | | | | | | | | | | | | | 100 | | | | | | | | | | | | | 5 | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789204

Counterweight 25,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length 13,2 m to 56,7 m | | | | | | | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | | | | | | Working radius (m) |
|--------------------|------------------------------|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|------------------------------|---|--|---|--|---|------|--|--|--|--|--|--------------------|
| | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | | | | | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | | | | | | | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | F | | F | | | | | | | |
| 3,0 | | | | | | | | | | | | | | | | | | | 3,0 | | | | | | |
| 3,5 | | | | | | | | | | | | | | | | | | | 3,5 | | | | | | |
| 4,0 | | | | | | | | | | | | | | | | | | | 4,0 | | | | | | |
| 4,5 | | | | | | | | | | | | | | | | | | | 4,5 | | | | | | |
| 5,0 | | | | | | | | | | | | | | | | | | | 5,0 | | | | | | |
| 6,0 | | | | | | | | | | | | | | | | | | | 6,0 | | | | | | |
| 7,0 | | | | | | | | | | | | | | | | | | | 7,0 | | | | | | |
| 8,0 | | | | | | | | | | | | | | | | | | | 8,0 | | | | | | |
| 9,0 | | | | | | | | | | | | | | | | | | | 9,0 | | | | | | |
| 10,0 | 10,7 | 278 | | | | | | | | | | | | | | | | | 10,0 | | | | | | |
| 11,0 | 10,3 | 289 | | | | | | 9,6 | 280 | | | | | | | | | | 11,0 | | | | | | |
| 12,0 | 10,0 | 301 | 9,2 | 279 | | | | 9,3 | 291 | 8,6 | 271 | | | | | | | | 12,0 | | | | | | |
| 14,0 | 9,4 | 323 | 8,7 | 301 | 8,2 | 285 | 8,7 | 312 | 8,1 | 292 | 7,7 | 277 | | | | | | | 14,0 | | | | | | |
| 16,0 | 8,8 | 343 | 8,2 | 322 | 7,8 | 307 | 8,2 | 333 | 7,7 | 313 | 7,3 | 298 | | | | | | | 16,0 | | | | | | |
| 18,0 | 8,4 | 365 | 7,8 | 343 | 7,5 | 329 | 7,8 | 353 | 7,3 | 333 | 7,0 | 319 | | | | | | | 18,0 | | | | | | |
| 20,0 | 7,9 | 383 | 7,5 | 364 | 7,2 | 350 | 7,4 | 373 | 7,0 | 354 | 6,7 | 339 | | | | | | | 20,0 | | | | | | |
| 22,0 | 7,5 | 402 | 7,2 | 385 | 6,9 | 370 | 7,0 | 390 | 6,7 | 373 | 6,4 | 359 | | | | | | | 22,0 | | | | | | |
| 24,0 | 7,2 | 421 | 6,9 | 404 | 6,6 | 389 | 6,7 | 409 | 6,4 | 392 | 6,2 | 379 | | | | | | | 24,0 | | | | | | |
| 26,0 | 6,8 | 437 | 6,6 | 422 | 6,4 | 410 | 6,4 | 427 | 6,1 | 409 | 6,0 | 399 | | | | | | | 26,0 | | | | | | |
| 28,0 | 6,5 | 455 | 6,3 | 440 | 6,2 | 430 | 6,1 | 443 | 5,9 | 428 | 5,8 | 419 | | | | | | | 28,0 | | | | | | |
| 30,0 | 6,3 | 474 | 6,0 | 456 | 5,9 | 446 | 5,8 | 459 | 5,6 | 444 | 5,5 | 434 | | | | | | | 30,0 | | | | | | |
| 32,0 | 5,6 | 476 | 5,8 | 474 | 5,7 | 465 | 5,6 | 476 | 5,4 | 461 | 5,3 | 452 | | | | | | | 32,0 | | | | | | |
| 34,0 | 4,8 | 473 | 5,1 | 474 | 5,2 | 472 | 4,8 | 473 | 5,1 | 474 | 5,1 | 469 | | | | | | | 34,0 | | | | | | |
| 36,0 | 4,1 | 470 | 4,3 | 469 | 4,5 | 471 | 4,1 | 470 | 4,3 | 469 | 4,5 | 471 | | | | | | | 36,0 | | | | | | |
| 38,0 | 3,5 | 468 | 3,7 | 468 | 3,8 | 467 | 3,5 | 468 | 3,7 | 468 | 3,8 | 467 | | | | | | | 38,0 | | | | | | |
| 40,0 | 2,9 | 464 | 3,1 | 465 | 3,2 | 465 | 2,9 | 465 | 3,1 | 465 | 3,2 | 464 | | | | | | | 40,0 | | | | | | |
| 44,0 | 2,0 | 463 | 2,1 | 461 | 2,2 | 462 | 2,0 | 463 | 2,1 | 461 | 2,2 | 461 | | | | | | | 44,0 | | | | | | |
| 48,0 | 1,2 | 460 | 1,3 | 459 | 1,3 | 457 | 1,2 | 460 | 1,3 | 459 | 1,4 | 461 | | | | | | | 48,0 | | | | | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. | | | | | | |
| 1 | 93 | | | | | | 100 | | | | | | | | | | | | 1 | | | | | | |
| 2 | 93 | | | | | | 100 | | | | | | | | | | | | 2 | | | | | | |
| 3 | 93 | | | | | | 100 | | | | | | | | | | | | 3 | | | | | | |
| 4 | 93 | | | | | | 100 | | | | | | | | | | | | 4 | | | | | | |
| 5 | 93 | | | | | | 100 | | | | | | | | | | | | 5 | | | | | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

Counterweight 25,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 56,7 m

| Working radius (m) | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | | Working radius (m) | | | | | | |
|--------------------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|--------------------|----|-----|----|-----|----|-----|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | | | | | | | |
| 11 | 81 | 7,5 | | | | | | | | | | | | | | | 11 | | | | | |
| 12 | 80 | 7,5 | | | | | | | | | | | | | | | 12 | | | | | |
| 14 | 79 | 7,5 | | | | | | | | | | | | | | | 14 | | | | | |
| 16 | 77 | 7,1 | 81 | 5,6 | | | | | | | | | | | | | 16 | | | | | |
| 18 | 76 | 6,7 | 79 | 5,4 | | | | | | | | | | | | | 18 | | | | | |
| 20 | 74 | 6,4 | 78 | 5,2 | 81 | 4,4 | | | | | | | | | | | 20 | | | | | |
| 22 | 73 | 6,1 | 76 | 5,1 | 79 | 4,3 | 75 | 5,1 | 79 | 4,4 | | | | | | | 22 | | | | | |
| 24 | 71 | 5,8 | 75 | 4,9 | 77 | 4,2 | 73 | 4,9 | 78 | 4,2 | | | | | | | 24 | | | | | |
| 26 | 70 | 5,6 | 73 | 4,8 | 76 | 4,2 | 72 | 4,7 | 76 | 4,1 | 80 | 3,7 | | | | | 26 | | | | | |
| 28 | 68 | 5,3 | 71 | 4,7 | 74 | 4,1 | 70 | 4,5 | 75 | 3,9 | 79 | 3,6 | | | | | 28 | | | | | |
| 30 | 66 | 5,1 | 70 | 4,5 | 72 | 4,0 | 69 | 4,3 | 73 | 3,8 | 77 | 3,5 | 71 | 3,6 | 76 | 2,9 | 81 | 2,5 | 72 | 2,6 | 79 | 2,0 |
| 32 | 65 | 4,9 | 68 | 4,4 | 71 | 4,0 | 67 | 4,1 | 72 | 3,6 | 75 | 3,4 | 69 | 3,5 | 75 | 2,9 | 80 | 2,5 | 71 | 2,5 | 77 | 2,0 |
| 34 | 63 | 4,7 | 66 | 4,3 | 69 | 3,9 | 66 | 4,0 | 70 | 3,5 | 74 | 3,2 | 68 | 3,3 | 74 | 2,8 | 78 | 2,4 | 70 | 2,4 | 76 | 1,9 |
| 36 | 61 | 4,6 | 65 | 4,1 | 67 | 3,8 | 64 | 3,8 | 69 | 3,4 | 72 | 3,2 | 67 | 3,2 | 72 | 2,7 | 77 | 2,4 | 68 | 2,3 | 75 | 1,9 |
| 38 | 59 | 4,0 | 63 | 4,0 | 65 | 3,8 | 63 | 3,7 | 67 | 3,3 | 70 | 3,1 | 65 | 3,1 | 71 | 2,7 | 75 | 2,3 | 67 | 2,3 | 74 | 1,8 |
| 40 | 57 | 3,5 | 61 | 3,9 | 63 | 3,7 | 61 | 3,6 | 65 | 3,2 | 69 | 3,0 | 64 | 3,0 | 69 | 2,6 | 73 | 2,3 | 66 | 2,2 | 72 | 1,8 |
| 44 | 54 | 2,5 | 57 | 2,9 | 59 | 3,1 | 57 | 2,7 | 62 | 3,0 | 65 | 2,8 | 61 | 2,8 | 66 | 2,4 | 70 | 2,2 | 63 | 2,1 | 70 | 1,7 |
| 48 | 49 | 1,7 | 52 | 2,0 | 54 | 2,2 | 54 | 1,9 | 58 | 2,4 | 61 | 2,7 | 58 | 2,1 | 63 | 2,3 | 66 | 2,1 | 61 | 2,0 | 67 | 1,6 |
| 52 | 45 | 1,0 | 48 | 1,3 | 49 | 1,4 | 50 | 1,2 | 54 | 1,7 | 56 | 1,9 | 54 | 1,4 | 59 | 2,0 | 63 | 2,1 | 58 | 1,5 | 64 | 1,6 |
| 56 | | | | | | | | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | | | | |
| Tel. | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | |

Telescoping sequence %

| |
|------|
| 93 |
| 93 |
| 93 |
| 93 |
| 93 |
| Tel. |
| 1 |
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| 3 |
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| 5 |



Outrigger reaction force chart ATF 160G-5

Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789309
 Outrigger reaction force **F** in (kN)
 Counterweight **25,0 t**

On outriggers, 360° working area
Outriggers fully extended, outrigger base 8,30 m
 Boom length 13,2 m to 56,7 m

| Working radius (m) | Fly jib 13,2 m offset | | | | | | Fly jib 19,2 m offset | | | | | | Fly jib 25,2 m offset | | | | | | Fly jib 31,2 m offset | | | | | | Fly jib 37,2 m offset | | | | | | | | |
|--------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|---|-----|---|-----|---|--|--|--|
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | | |
| 11 | 7,5 | 247 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 7,5 | 260 | | | | | 5,6 | 232 | | | | | 4,2 | 236 | | | | | | | | | | | | | | | | | | | |
| 14 | 7,5 | 287 | | | | | 5,6 | 254 | | | | | 4,2 | 231 | | | | | | | | | | | | | | | | | | | |
| 16 | 7,1 | 306 | 5,6 | 255 | | | 5,6 | 277 | | | | | 4,2 | 251 | | | | | | | | | | | | | | | | | | | |
| 18 | 6,7 | 324 | 5,4 | 274 | | | 5,6 | 300 | | | | | 4,2 | 271 | | | | | | | | | | | | | | | | | | | |
| 20 | 6,4 | 342 | 5,2 | 292 | 4,4 | 255 | 5,4 | 318 | 4,6 | 267 | | | 4,2 | 290 | | | | | | | | | | | | | | | | | | | |
| 22 | 6,1 | 360 | 5,1 | 313 | 4,3 | 274 | 5,1 | 333 | 4,4 | 283 | | | 4,0 | 306 | | | | | | | | | | | | | | | | | | | |
| 24 | 5,8 | 376 | 4,9 | 330 | 4,2 | 293 | 4,9 | 350 | 4,2 | 299 | | | 3,9 | 323 | 3,2 | 262 | | | | | | | | | | | | | | | | | |
| 26 | 5,6 | 394 | 4,8 | 349 | 4,2 | 315 | 4,7 | 366 | 4,1 | 317 | 3,7 | 278 | 3,8 | 339 | 3,1 | 278 | | | | | | | | | | | | | | | | | |
| 28 | 5,3 | 408 | 4,7 | 368 | 4,1 | 333 | 4,5 | 381 | 3,9 | 331 | 3,6 | 295 | 3,7 | 355 | 3,0 | 294 | | | | | | | | | | | | | | | | | |
| 30 | 5,1 | 424 | 4,5 | 384 | 4,0 | 351 | 4,3 | 395 | 3,8 | 348 | 3,5 | 313 | 3,6 | 371 | 2,9 | 309 | 2,5 | 261 | 2,6 | 339 | 2,0 | 271 | | | | | | | | | | | |
| 32 | 4,9 | 440 | 4,4 | 402 | 4,0 | 372 | 4,1 | 409 | 3,6 | 362 | 3,4 | 329 | 3,5 | 387 | 2,9 | 327 | 2,5 | 279 | 2,5 | 353 | 2,0 | 287 | | | | | | | | | | | |
| 34 | 4,7 | 455 | 4,3 | 420 | 3,9 | 390 | 4,0 | 426 | 3,5 | 378 | 3,2 | 343 | 3,3 | 398 | 2,8 | 341 | 2,4 | 294 | 2,4 | 366 | 1,9 | 300 | | | | | | | | | | | |
| 36 | 4,6 | 472 | 4,1 | 434 | 3,8 | 408 | 3,8 | 438 | 3,4 | 394 | 3,2 | 362 | 3,2 | 413 | 2,7 | 356 | 2,4 | 312 | 2,3 | 379 | 1,9 | 316 | 1,7 | 267 | | | | | | | | | |
| 38 | 4,0 | 471 | 4,0 | 451 | 3,8 | 429 | 3,7 | 454 | 3,3 | 409 | 3,1 | 378 | 3,1 | 427 | 2,7 | 374 | 2,3 | 326 | 2,3 | 395 | 1,8 | 329 | 1,6 | 280 | | | | | | | | | |
| 40 | 3,5 | 471 | 3,9 | 467 | 3,7 | 446 | 3,6 | 469 | 3,2 | 424 | 3,0 | 394 | 3,0 | 441 | 2,6 | 387 | 2,3 | 344 | 2,2 | 407 | 1,8 | 345 | 1,6 | 297 | | | | | | | | | |
| 44 | 2,5 | 466 | 2,9 | 465 | 3,1 | 462 | 2,7 | 468 | 3,0 | 453 | 2,8 | 425 | 2,8 | 468 | 2,4 | 414 | 2,2 | 377 | 2,1 | 435 | 1,7 | 373 | 1,5 | 326 | | | | | | | | | |
| 48 | 1,7 | 463 | 2,0 | 460 | 2,2 | 460 | 1,9 | 465 | 2,4 | 463 | 2,7 | 459 | 2,1 | 469 | 2,3 | 444 | 2,1 | 409 | 2,0 | 462 | 1,6 | 400 | 1,5 | 360 | | | | | | | | | |
| 52 | 1,0 | 459 | 1,3 | 460 | 1,4 | 458 | 1,2 | 461 | 1,7 | 463 | 1,9 | 458 | 1,4 | 466 | 2,0 | 464 | 2,1 | 445 | 1,5 | 468 | 1,6 | 432 | 1,4 | 389 | | | | | | | | | |
| 56 | | | | | | | | | 1,0 | 458 | 1,2 | 458 | | | 1,3 | 460 | 1,6 | 456 | | | 1,5 | 459 | 1,4 | 423 | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | | | 1,0 | 462 | 1,3 | 453 | | | | | | | | | |

Telescoping sequence %

| Tel. | 1 | 2 | 3 | 4 | 5 |
|------|----|----|----|----|----|
| 1 | 93 | | | | |
| 2 | | 93 | | | |
| 3 | | | 93 | | |
| 4 | | | | 93 | |
| 5 | | | | | 93 |

05.07.2004 The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m
Counterweight 25,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 60,0 m

Working radius (m)

Working radius (m)

| Working radius (m) | Fly jib 13,2 m offset | | | Fly jib 19,2 m offset | | | Fly jib 25,2 m offset | | | Fly jib 31,2 m offset | | | Fly jib 37,2 m offset | | |
|--------------------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|-----------------------|-----|-----|
| | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° | 0° | 20° | 40° |
| 12 | 81 | 6,3 | | | | | | | | | | | | | |
| 14 | 79 | 6,3 | | | | | 81 | 3,6 | | | | | | | |
| 16 | 78 | 6,3 | | | | | 80 | 3,6 | | | | | | | |
| 18 | 77 | 6,3 | 80 | 5,3 | | | 79 | 3,6 | | | | | | | |
| 20 | 75 | 6,0 | 79 | 5,2 | 81 | 4,4 | 77 | 4,8 | 81 | 4,4 | | | | | |
| 22 | 74 | 5,7 | 77 | 5,0 | 80 | 4,3 | 75 | 4,8 | 80 | 4,2 | | | | | |
| 24 | 73 | 5,5 | 76 | 4,9 | 78 | 4,2 | 74 | 4,6 | 79 | 4,0 | | | | | |
| 26 | 71 | 5,2 | 74 | 4,7 | 77 | 4,1 | 73 | 4,4 | 77 | 3,9 | 81 | 3,1 | | | |
| 28 | 69 | 5,0 | 73 | 4,5 | 75 | 4,1 | 71 | 4,2 | 76 | 3,7 | 80 | 3,0 | | | |
| 30 | 68 | 4,8 | 71 | 4,3 | 74 | 4,0 | 70 | 4,1 | 74 | 3,6 | 78 | 2,9 | | | |
| 32 | 66 | 4,6 | 70 | 4,2 | 72 | 3,9 | 69 | 3,9 | 73 | 3,4 | 77 | 2,8 | 82 | 2,5 | |
| 34 | 65 | 4,5 | 68 | 4,1 | 70 | 3,8 | 67 | 3,8 | 72 | 3,3 | 75 | 2,7 | 79 | 2,4 | |
| 36 | 63 | 4,3 | 66 | 3,9 | 68 | 3,7 | 66 | 3,6 | 70 | 3,2 | 73 | 2,7 | 78 | 2,4 | |
| 38 | 61 | 4,0 | 65 | 3,8 | 67 | 3,6 | 64 | 3,5 | 68 | 3,1 | 72 | 2,6 | 76 | 2,3 | |
| 40 | 60 | 3,4 | 63 | 3,7 | 65 | 3,5 | 63 | 3,4 | 67 | 3,0 | 70 | 2,8 | 75 | 2,3 | |
| 44 | 56 | 2,4 | 59 | 2,9 | 61 | 3,1 | 60 | 2,6 | 64 | 2,8 | 67 | 2,7 | 62 | 2,2 | |
| 48 | 52 | 1,7 | 55 | 2,0 | 57 | 2,2 | 56 | 1,8 | 60 | 2,4 | 63 | 2,6 | 60 | 2,0 | |
| 52 | 48 | 1,0 | 51 | 1,3 | 52 | 1,4 | 53 | 1,2 | 57 | 1,6 | 59 | 1,9 | 56 | 1,4 | |
| 56 | | | | | | | | | 53 | 1,0 | 55 | 1,2 | | | |
| 60 | | | | | | | | | | | | | 58 | 1,3 | |
| Tel. | | | | | | | | | | | | | 57 | 1,0 | |

Telescoping sequence %

| | |
|------|-----|
| 1 | 100 |
| 2 | 100 |
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |
| Tel. | |



Outrigger reaction force chart ATF 160G-5

Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m, load rating chart 99707789310
 Outrigger reaction force **F** in (kN)
 Counterweight **25,0 t**

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

Boom length 13,2 m to 60,0 m

Working radius (m)

Working radius (m)

| Working radius (m) | Fly jib 13,2 m offset | | | | | | Fly jib 19,2 m offset | | | | | | Fly jib 25,2 m offset | | | | | | Fly jib 31,2 m offset | | | | | | Fly jib 37,2 m offset | | | | | | |
|--------------------|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|---|-----------------------|---|-----|---|-----|---|--|
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | |
| 12 | 6,3 | 244 | | | | | 4,8 | 227 | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 6,3 | 268 | | | | | 4,8 | 243 | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 6,3 | 293 | | | | | 4,8 | 264 | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 6,3 | 317 | 5,3 | 272 | | | 4,8 | 285 | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 6,0 | 335 | 5,2 | 293 | 4,4 | 255 | 4,8 | 306 | 4,4 | 263 | | | | | | | | | | | | | | | | | | | | | |
| 22 | 5,7 | 351 | 5,0 | 311 | 4,3 | 275 | 4,8 | 328 | 4,2 | 279 | | | | | | | | | | | | | | | | | | | | | |
| 24 | 5,5 | 370 | 4,9 | 331 | 4,2 | 294 | 4,6 | 344 | 4,0 | 295 | | | | | | | | | | | | | | | | | | | | | |
| 26 | 5,2 | 384 | 4,7 | 347 | 4,1 | 312 | 4,4 | 359 | 3,9 | 312 | 3,5 | 273 | | | | | | | | | | | | | | | | | | | |
| 28 | 5,0 | 401 | 4,5 | 363 | 4,1 | 333 | 4,2 | 374 | 3,7 | 327 | 3,4 | 290 | 3,6 | 336 | 3,0 | 277 | | | | | | | | | | | | | | | |
| 30 | 4,8 | 417 | 4,3 | 379 | 4,0 | 352 | 4,1 | 391 | 3,6 | 343 | 3,3 | 307 | 3,4 | 368 | 2,9 | 292 | 2,5 | 262 | 2,5 | 322 | 2,0 | 256 | | | | | | | | | |
| 32 | 4,6 | 432 | 4,2 | 396 | 3,9 | 370 | 3,9 | 405 | 3,4 | 357 | 3,2 | 234 | 3,3 | 383 | 2,8 | 310 | 2,5 | 280 | 2,4 | 352 | 2,0 | 273 | | | | | | | | | |
| 34 | 4,5 | 449 | 4,1 | 414 | 3,8 | 387 | 3,8 | 421 | 3,3 | 372 | 3,1 | 234 | 3,3 | 398 | 2,7 | 340 | 2,4 | 295 | 2,3 | 366 | 1,9 | 286 | | | | | | | | | |
| 36 | 4,3 | 463 | 3,9 | 427 | 3,7 | 405 | 3,6 | 433 | 3,2 | 388 | 3,0 | 234 | 3,3 | 409 | 2,7 | 358 | 2,4 | 313 | 2,3 | 382 | 1,8 | 315 | | | | | | | | | |
| 38 | 4,0 | 472 | 3,8 | 444 | 3,6 | 422 | 3,5 | 448 | 3,1 | 403 | 2,9 | 234 | 3,3 | 423 | 2,6 | 372 | 2,3 | 327 | 2,2 | 395 | 1,8 | 331 | | | | | | | | | |
| 40 | 3,4 | 469 | 3,7 | 460 | 3,5 | 438 | 3,4 | 463 | 3,0 | 418 | 2,8 | 234 | 3,3 | 436 | 2,5 | 386 | 2,3 | 346 | 2,2 | 411 | 1,8 | 347 | | | | | | | | | |
| 44 | 2,4 | 463 | 2,9 | 466 | 3,1 | 462 | 2,6 | 466 | 2,8 | 447 | 2,7 | 234 | 3,3 | 463 | 2,3 | 412 | 2,2 | 378 | 2,1 | 439 | 1,7 | 375 | | | | | | | | | |
| 48 | 1,7 | 465 | 2,0 | 461 | 2,2 | 460 | 1,8 | 463 | 2,4 | 465 | 2,6 | 234 | 3,3 | 469 | 2,2 | 442 | 2,1 | 410 | 2,0 | 466 | 1,6 | 403 | | | | | | | | | |
| 52 | 1,0 | 461 | 1,3 | 461 | 1,4 | 457 | 1,2 | 464 | 1,6 | 460 | 1,9 | 234 | 3,3 | 465 | 1,9 | 462 | 2,0 | 441 | 1,4 | 468 | 1,5 | 430 | | | | | | | | | |
| 56 | | | | | | | | | 1,0 | 460 | 1,2 | 234 | 3,3 | 463 | 1,6 | 457 | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Telescoping sequence %

| Tel. | 1 | 2 | 3 | 4 | 5 |
|------|-----|-----|-----|-----|-----|
| 1 | 100 | | | | |
| 2 | 100 | 100 | | | |
| 3 | 100 | 100 | 100 | | |
| 4 | 100 | 100 | 100 | 100 | |
| 5 | 100 | 100 | 100 | 100 | 100 |

05.07.2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | | | | | | | | | | Working radius (m) | |
|--------------------|----|---|----|------|----|------|----|------|------------------------------|------|----|------|----|------|----|------------------------------|----|------|---|--|------|--|--------------------|--|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | | | | |
| | | Boom length 13,2 m | | | | | | | Boom length 13,2 m to 35,0 m | | | | | | | Boom length 13,2 m to 43,7 m | | | | | | | | |
| | | Fly jib 5,4 m offset | | | | | | | Fly jib 5,4 m offset | | | | | | | Fly jib 5,4 m offset | | | | | | | | |
| | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | | |
| | | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | | | | |
| 3,0 | 76 | 33,2 | | | | | | | | | | | | | | | | | | | 3,0 | | | |
| 3,5 | 74 | 31,4 | 80 | 23,7 | | | | | | | | | | | | | | | | | 3,5 | | | |
| 4,0 | 73 | 30,6 | 78 | 22,5 | | | | | | | | | | | | | | | | | 4,0 | | | |
| 4,5 | 71 | 29,1 | 77 | 22,2 | 81 | 18,5 | | | | | | | | | | | | | | | 4,5 | | | |
| 5,0 | 70 | 28,4 | 75 | 21,6 | 79 | 18,2 | 82 | 25,6 | | | | | | | | | | | | | 5,0 | | | |
| 6,0 | 66 | 26,0 | 72 | 20,5 | 76 | 17,9 | 80 | 25,6 | | | | | | | | | | | | | 6,0 | | | |
| 7,0 | 63 | 24,5 | 68 | 19,8 | 72 | 17,5 | 79 | 25,6 | 81 | 20,9 | | | | | | | | | | | 7,0 | | | |
| 8,0 | 59 | 22,9 | 64 | 19,0 | 68 | 17,2 | 78 | 25,6 | 80 | 20,3 | | | | | | | | | | | 8,0 | | | |
| 9,0 | 56 | 21,6 | 61 | 18,5 | 64 | 16,9 | 76 | 25,4 | 79 | 19,8 | 80 | 17,2 | 79 | 15,6 | 81 | 13,7 | | | | | 9,0 | | | |
| 10,0 | 52 | 20,5 | 57 | 18,0 | 60 | 16,8 | 75 | 23,7 | 77 | 19,4 | 79 | 16,9 | 78 | 15,0 | 80 | 13,2 | 82 | 12,1 | | | 10,0 | | | |
| 11,0 | 48 | 19,6 | 52 | 17,5 | 56 | 16,8 | 74 | 20,9 | 76 | 19,0 | 78 | 16,7 | 77 | 14,5 | 79 | 12,8 | 80 | 11,8 | | | 11,0 | | | |
| 12,0 | 43 | 18,8 | 48 | 17,2 | 51 | 16,8 | 72 | 18,6 | 74 | 18,5 | 76 | 16,5 | 76 | 14,0 | 78 | 12,4 | 79 | 11,4 | | | 12,0 | | | |
| 14,0 | 33 | 17,5 | 37 | 16,8 | | | 69 | 14,8 | 71 | 15,8 | 73 | 16,1 | 73 | 13,1 | 75 | 11,7 | 77 | 10,9 | | | 14,0 | | | |
| 16,0 | 15 | 13,9 | | | | | 66 | 12,0 | 68 | 12,8 | 70 | 13,5 | 71 | 11,7 | 73 | 11,1 | 74 | 10,4 | | | 16,0 | | | |
| 18,0 | | | | | | | 63 | 9,7 | 65 | 10,3 | 67 | 10,7 | 69 | 9,6 | 70 | 10,3 | 72 | 9,9 | | | 18,0 | | | |
| 20,0 | | | | | | | 60 | 7,6 | 62 | 8,2 | 63 | 8,5 | 66 | 8,0 | 68 | 8,6 | 69 | 9,1 | | | 20,0 | | | |
| 22,0 | | | | | | | 56 | 6,0 | 58 | 6,5 | 60 | 6,8 | 64 | 6,5 | 65 | 7,0 | 67 | 7,3 | | | 22,0 | | | |
| 24,0 | | | | | | | 53 | 4,8 | 55 | 5,1 | 56 | 5,4 | 61 | 5,2 | 63 | 5,6 | 64 | 5,9 | | | 24,0 | | | |
| 26,0 | | | | | | | 49 | 3,7 | 51 | 4,0 | 52 | 4,2 | 58 | 4,1 | 60 | 4,5 | 61 | 4,7 | | | 26,0 | | | |
| 28,0 | | | | | | | 45 | 2,8 | 47 | 3,0 | 48 | 3,2 | 56 | 3,2 | 57 | 3,5 | 58 | 3,7 | | | 28,0 | | | |
| 30,0 | | | | | | | 40 | 2,0 | 42 | 2,2 | 43 | 2,3 | 53 | 2,5 | 54 | 2,7 | 55 | 2,9 | | | 30,0 | | | |
| 32,0 | | | | | | | 35 | 1,4 | 37 | 1,5 | | | 50 | 1,8 | 51 | 2,0 | 52 | 2,1 | | | 32,0 | | | |
| 34,0 | | | | | | | | | | | | | 46 | 1,2 | 48 | 1,4 | 49 | 1,5 | | | 34,0 | | | |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 | | | |
| Tel. | | Telescoping sequence % | | | | | | | | | | | | | | | | | | | Tel. | | | |
| 1 | | 0 | | | | | | | 93 | | | | | | | 93 | | | | | | | 1 | |
| 2 | | 0 | | | | | | | 46 | | | | | | | 93 | | | | | | | 2 | |
| 3 | | 0 | | | | | | | 46 | | | | | | | 46 | | | | | | | 3 | |
| 4 | | 0 | | | | | | | 46 | | | | | | | 46 | | | | | | | 4 | |
| 5 | | 0 | | | | | | | 0 | | | | | | | 46 | | | | | | | 5 | |

The operation manual and the notes to the load rating chart have to be observed !

| Working radius (m) | | FAUN Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|------------------------|--|------|-----|------|-----|------|------------------------------|------|-----|------|-----|------|------------------------------|------|-----|------|--------------------|-----|--|------|
| | | Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m, load rating chart 99707789205 Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | | | |
| | | Boom length 13,2 m | | | | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | | |
| | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | |
| | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | |
| | | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | F | | |
| 3,0 | 33,2 | 329 | | | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 31,4 | 307 | 23,7 | 330 | | | | | | | | | | | | | | | | | 3,5 |
| 4,0 | 30,6 | 313 | 22,5 | 313 | | | | | | | | | | | | | | | | | 4,0 |
| 4,5 | 29,1 | 323 | 22,2 | 296 | 18,5 | 317 | | | | | | | | | | | | | | | 4,5 |
| 5,0 | 28,4 | 338 | 21,6 | 280 | 18,2 | 302 | 25,6 | 326 | | | | | | | | | | | | | 5,0 |
| 6,0 | 26,0 | 357 | 20,5 | 288 | 17,9 | 271 | 25,6 | 367 | | | | | | | | | | | | | 6,0 |
| 7,0 | 24,5 | 380 | 19,8 | 314 | 17,5 | 277 | 25,6 | 408 | 20,9 | 337 | | | | 17,1 | 306 | | | | | | 7,0 |
| 8,0 | 22,9 | 397 | 19,0 | 336 | 17,2 | 304 | 25,6 | 449 | 20,3 | 365 | | | | 16,3 | 326 | | | | | | 8,0 |
| 9,0 | 21,6 | 416 | 18,5 | 362 | 16,9 | 331 | 25,4 | 488 | 19,8 | 393 | 17,2 | 344 | 15,6 | 346 | 13,7 | 304 | | | | | 9,0 |
| 10,0 | 20,5 | 434 | 18,0 | 386 | 16,8 | 360 | 23,7 | 503 | 19,4 | 422 | 16,9 | 371 | 15,0 | 365 | 13,2 | 323 | 12,1 | 293 | | | 10,0 |
| 11,0 | 19,6 | 452 | 17,5 | 409 | 16,8 | 391 | 20,9 | 496 | 19,0 | 449 | 16,7 | 399 | 14,5 | 385 | 12,8 | 342 | 11,8 | 313 | | | 11,0 |
| 12,0 | 18,8 | 471 | 17,2 | 434 | 16,8 | 422 | 18,6 | 491 | 18,5 | 474 | 16,5 | 426 | 14,0 | 404 | 12,4 | 360 | 11,4 | 330 | | | 12,0 |
| 14,0 | 17,5 | 507 | 16,8 | 487 | | | 14,8 | 481 | 15,8 | 486 | 16,1 | 480 | 13,1 | 439 | 11,7 | 396 | 10,9 | 368 | | | 14,0 |
| 16,0 | 13,9 | 486 | | | | | 12,0 | 475 | 12,8 | 478 | 13,5 | 482 | 11,7 | 459 | 11,1 | 431 | 10,4 | 404 | | | 16,0 |
| 18,0 | | | | | | | 9,7 | 467 | 10,3 | 468 | 10,7 | 468 | 9,6 | 455 | 10,3 | 458 | 9,9 | 437 | | | 18,0 |
| 20,0 | | | | | | | 7,6 | 454 | 8,2 | 457 | 8,5 | 456 | 8,0 | 454 | 8,6 | 456 | 9,1 | 459 | | | 20,0 |
| 22,0 | | | | | | | 6,0 | 446 | 6,5 | 448 | 6,8 | 448 | 6,5 | 448 | 7,0 | 450 | 7,3 | 449 | | | 22,0 |
| 24,0 | | | | | | | 4,8 | 442 | 5,1 | 440 | 5,4 | 442 | 5,2 | 442 | 5,6 | 442 | 5,9 | 442 | | | 24,0 |
| 26,0 | | | | | | | 3,7 | 437 | 4,0 | 436 | 4,2 | 437 | 4,1 | 436 | 4,5 | 437 | 4,7 | 437 | | | 26,0 |
| 28,0 | | | | | | | 2,8 | 433 | 3,0 | 430 | 3,2 | 433 | 3,2 | 432 | 3,5 | 432 | 3,7 | 431 | | | 28,0 |
| 30,0 | | | | | | | 2,0 | 429 | 2,2 | 428 | 2,3 | 428 | 2,5 | 432 | 2,7 | 429 | 2,9 | 430 | | | 30,0 |
| 32,0 | | | | | | | 1,4 | 429 | 1,5 | 426 | | | | 1,8 | 428 | 2,0 | 426 | 2,1 | 425 | | 32,0 |
| 34,0 | | | | | | | | | | | | | | 1,2 | 426 | 1,4 | 425 | 1,5 | 425 | | 34,0 |
| 36,0 | | | | | | | | | | | | | | | | | | | | | 36,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | Tel. | | | | |
| 1 | 0 | | | | | | 93 | | | | | | 93 | | | | | | 1 | | |
| 2 | 0 | | | | | | 46 | | | | | | 93 | | | | | | 2 | | |
| 3 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 3 | | |
| 4 | 0 | | | | | | 46 | | | | | | 46 | | | | | | 4 | | |
| 5 | 0 | | | | | | 0 | | | | | | 46 | | | | | | 5 | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | |
|------------------------------|----|---|----|-----|----|------------------------------|----|-----|-----|-----|-----|-----|--|--------------------|--|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | |
| Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | | | |
| Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | |
| 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | |
| ∠ | | ∠ | | ∠ | | ∠ | | ∠ | | ∠ | | | | | |
| 3,0 | | | | | | | | | | | | | | 3,0 | |
| 3,5 | | | | | | | | | | | | | | 3,5 | |
| 4,0 | | | | | | | | | | | | | | 4,0 | |
| 4,5 | | | | | | | | | | | | | | 4,5 | |
| 5,0 | | | | | | | | | | | | | | 5,0 | |
| 6,0 | | | | | | | | | | | | | | 6,0 | |
| 7,0 | | | | | | | | | | | | | | 7,0 | |
| 8,0 | | | | | | | | | | | | | | 8,0 | |
| 9,0 | | | | | | | | | | | | | | 9,0 | |
| 10,0 | 81 | 10,7 | | | | | | | | | | | | 10,0 | |
| 11,0 | 80 | 10,3 | | | | | 81 | 9,6 | | | | | | 11,0 | |
| 12,0 | 80 | 10,0 | 81 | 9,2 | | | 80 | 9,3 | 82 | 8,6 | | | | 12,0 | |
| 14,0 | 78 | 9,4 | 79 | 8,7 | 81 | 8,2 | 79 | 8,7 | 80 | 8,1 | 81 | 7,7 | | 14,0 | |
| 16,0 | 76 | 8,8 | 78 | 8,2 | 79 | 7,8 | 77 | 8,2 | 79 | 7,7 | 80 | 7,3 | | 16,0 | |
| 18,0 | 74 | 8,4 | 76 | 7,8 | 77 | 7,5 | 75 | 7,8 | 77 | 7,3 | 78 | 7,0 | | 18,0 | |
| 20,0 | 73 | 7,9 | 74 | 7,5 | 75 | 7,2 | 74 | 7,4 | 75 | 7,0 | 76 | 6,7 | | 20,0 | |
| 22,0 | 71 | 6,8 | 72 | 7,2 | 73 | 6,9 | 72 | 6,6 | 74 | 6,7 | 75 | 6,4 | | 22,0 | |
| 24,0 | 69 | 5,7 | 70 | 6,1 | 71 | 6,5 | 70 | 5,6 | 72 | 6,0 | 73 | 6,2 | | 24,0 | |
| 26,0 | 67 | 4,8 | 69 | 5,2 | 69 | 5,5 | 69 | 4,7 | 70 | 5,1 | 71 | 5,4 | | 26,0 | |
| 28,0 | 65 | 4,0 | 67 | 4,3 | 67 | 4,5 | 67 | 3,9 | 68 | 4,2 | 69 | 4,5 | | 28,0 | |
| 30,0 | 63 | 3,2 | 64 | 3,5 | 65 | 3,7 | 65 | 3,2 | 66 | 3,5 | 67 | 3,7 | | 30,0 | |
| 32,0 | 61 | 2,5 | 62 | 2,8 | 63 | 2,9 | 63 | 2,5 | 64 | 2,8 | 65 | 3,0 | | 32,0 | |
| 34,0 | 59 | 1,9 | 60 | 2,2 | 61 | 2,3 | 61 | 1,9 | 63 | 2,2 | 63 | 2,3 | | 34,0 | |
| 36,0 | | | 58 | 1,6 | 59 | 1,7 | | 60 | 1,6 | 61 | 1,8 | | | 36,0 | |
| Tel. | | Telescoping sequence % | | | | | | | | | | | | Tel. | |
| 1 | | 93 | | | | | | 100 | | | | | | 1 | |
| 2 | | 93 | | | | | | 100 | | | | | | 2 | |
| 3 | | 93 | | | | | | 100 | | | | | | 3 | |
| 4 | | 93 | | | | | | 100 | | | | | | 4 | |
| 5 | | 93 | | | | | | 100 | | | | | | 5 | |

The operation manual and the notes to the load rating chart have to be observed !

| Working radius (m) | | Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|--|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|-----|--|--|--|------|--------------------|--|
| | | Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m, load rating chart 99707789205 Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | | | | |
| | | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | | | | | |
| | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | | | |
| | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | | | |
| | | m | F | m | F | m | F | m | F | m | F | m | F | | | | | | |
| 3,0 | | | | | | | | | | | | | | | | | 3,0 | | |
| 3,5 | | | | | | | | | | | | | | | | | 3,5 | | |
| 4,0 | | | | | | | | | | | | | | | | | 4,0 | | |
| 4,5 | | | | | | | | | | | | | | | | | 4,5 | | |
| 5,0 | | | | | | | | | | | | | | | | | 5,0 | | |
| 6,0 | | | | | | | | | | | | | | | | | 6,0 | | |
| 7,0 | | | | | | | | | | | | | | | | | 7,0 | | |
| 8,0 | | | | | | | | | | | | | | | | | 8,0 | | |
| 9,0 | | | | | | | | | | | | | | | | | 9,0 | | |
| 10,0 | 10,7 | 290 | | | | | | | | | | | | | | | 10,0 | | |
| 11,0 | 10,3 | 305 | | | | | | 9,6 | 294 | | | | | | | | 11,0 | | |
| 12,0 | 10,0 | 321 | | | | | | 9,3 | 309 | 8,6 | 283 | | | | | | 12,0 | | |
| 14,0 | 9,4 | 351 | 8,7 | 293 | | | | 8,7 | 338 | 8,1 | 311 | 7,7 | 292 | | | | 14,0 | | |
| 16,0 | 8,8 | 378 | 8,2 | 351 | 7,8 | 331 | 8,2 | 365 | 7,7 | 340 | 7,3 | 320 | | | | | 16,0 | | |
| 18,0 | 8,4 | 408 | 7,8 | 379 | 7,5 | 361 | 7,8 | 393 | 7,3 | 367 | 7,0 | 348 | | | | | 18,0 | | |
| 20,0 | 7,9 | 432 | 7,5 | 408 | 7,2 | 389 | 7,4 | 419 | 7,0 | 394 | 6,7 | 376 | | | | | 20,0 | | |
| 22,0 | 6,8 | 437 | 7,2 | 435 | 6,9 | 416 | 6,6 | 431 | 6,7 | 420 | 6,4 | 401 | | | | | 22,0 | | |
| 24,0 | 5,7 | 436 | 6,1 | 435 | 6,5 | 439 | 5,6 | 433 | 6,0 | 432 | 6,2 | 429 | | | | | 24,0 | | |
| 26,0 | 4,8 | 436 | 5,2 | 437 | 5,5 | 438 | 4,7 | 433 | 5,1 | 434 | 5,4 | 435 | | | | | 26,0 | | |
| 28,0 | 4,0 | 436 | 4,3 | 435 | 4,5 | 434 | 3,9 | 433 | 4,2 | 431 | 4,5 | 433 | | | | | 28,0 | | |
| 30,0 | 3,2 | 432 | 3,5 | 432 | 3,7 | 432 | 3,2 | 432 | 3,5 | 432 | 3,7 | 431 | | | | | 30,0 | | |
| 32,0 | 2,5 | 429 | 2,8 | 430 | 2,9 | 426 | 2,5 | 429 | 2,8 | 430 | 3,0 | 430 | | | | | 32,0 | | |
| 34,0 | 1,9 | 426 | 2,2 | 428 | 2,3 | 425 | 1,9 | 426 | 2,2 | 428 | 2,3 | 425 | | | | | 34,0 | | |
| 36,0 | | | 1,6 | 424 | 1,7 | 422 | | | 1,6 | 424 | 1,8 | 426 | | | | | 36,0 | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | Tel. | | |
| 1 | 93 | | | | | | 100 | | | | | | | | | | 1 | | |
| 2 | 93 | | | | | | 100 | | | | | | | | | | 2 | | |
| 3 | 93 | | | | | | 100 | | | | | | | | | | 3 | | |
| 4 | 93 | | | | | | 100 | | | | | | | | | | 4 | | |
| 5 | 93 | | | | | | 100 | | | | | | | | | | 5 | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

| Working radius (m) | | FAUN Load rating chart ATF 160G-5 Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m Boom length 13,2 m to 56,7 m Boom length 13,2 m to 60,0 m | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|--|----|-----|----|-----|-----|-----------------------|-----|-----|-----|-----|---|--------------------|------|
| | | Fly jib 13,2 m offset | | | | | | Fly jib 13,2 m offset | | | | | | | |
| | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | |
| | | ∠ | ° | ∠ | ° | ∠ | ° | ∠ | ° | ∠ | ° | ∠ | ° | | |
| 11 | 81 | 7,5 | | | | | | 81 | 6,3 | | | | | | 11 |
| 12 | 80 | 7,5 | | | | | | 79 | 6,3 | | | | | | 12 |
| 14 | 79 | 7,5 | | | | | | 78 | 6,3 | | | | | | 14 |
| 16 | 77 | 7,1 | 81 | 5,6 | | | | 77 | 6,3 | 80 | 5,3 | | | | 16 |
| 18 | 76 | 6,7 | 79 | 5,4 | | | | 77 | 6,3 | 80 | 5,3 | | | | 18 |
| 20 | 74 | 6,4 | 78 | 5,2 | 81 | 4,4 | 75 | 6,0 | 79 | 5,2 | 81 | 4,4 | | 20 | |
| 22 | 73 | 6,1 | 76 | 5,1 | 79 | 4,3 | 74 | 5,7 | 77 | 5,0 | 80 | 4,3 | | 22 | |
| 24 | 71 | 5,8 | 75 | 4,9 | 77 | 4,2 | 73 | 5,5 | 76 | 4,9 | 78 | 4,2 | | 24 | |
| 26 | 70 | 4,9 | 73 | 4,8 | 76 | 4,2 | 71 | 4,7 | 74 | 4,7 | 77 | 4,1 | | 26 | |
| 28 | 68 | 4,1 | 71 | 4,7 | 74 | 4,1 | 69 | 4,0 | 73 | 4,5 | 75 | 4,1 | | 28 | |
| 30 | 66 | 3,5 | 70 | 4,2 | 72 | 4,0 | 68 | 3,3 | 71 | 4,1 | 74 | 4,0 | | 30 | |
| 32 | 65 | 2,9 | 68 | 3,6 | 71 | 4,0 | 66 | 2,7 | 70 | 3,5 | 72 | 3,9 | | 32 | |
| 34 | 63 | 2,3 | 66 | 3,0 | 69 | 3,5 | 65 | 2,2 | 68 | 2,9 | 70 | 3,5 | | 34 | |
| 36 | 61 | 1,9 | 65 | 2,5 | 67 | 2,9 | 63 | 1,7 | 66 | 2,4 | 68 | 2,9 | | 36 | |
| 38 | 59 | 1,4 | 63 | 2,0 | 65 | 2,3 | 61 | 1,3 | 65 | 1,9 | 67 | 2,3 | | 38 | |
| 40 | | | 61 | 1,5 | 63 | 1,8 | | | 63 | 1,5 | 65 | 1,8 | | 40 | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | Tel. |
| 1 | 93 | | | | | | 100 | | | | | | 1 | | |
| 2 | 93 | | | | | | 100 | | | | | | 2 | | |
| 3 | 93 | | | | | | 100 | | | | | | 3 | | |
| 4 | 93 | | | | | | 100 | | | | | | 4 | | |
| 5 | 93 | | | | | | 100 | | | | | | 5 | | |

The operation manual and the notes to the load rating chart have to be observed !

| FAUN Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | | |
|---|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|------|
| Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m, load rating chart 99707789311 Counterweight 25,0 t On outriggers, 360° working area Outriggers half extended, outrigger base 5,60 m | | | | | | | | | | | | | | |
| Boom length 13,2 m to 56,7 m Boom length 13,2 m to 60,0 m | | | | | | | | | | | | | | |
| Fly jib 13,2 m offset Fly jib 13,2 m offset | | | | | | | | | | | | | | |
| 0° 20° 40° 0° 20° 40° | | | | | | | | | | | | | | |
| m F m F m F m F m F m F | | | | | | | | | | | | | | |
| 11 | 7,5 | 252 | | | | | | | | | | | | 11 |
| 12 | 7,5 | 270 | | | | | 6,3 | 250 | | | | | | 12 |
| 14 | 7,5 | 305 | | | | | 6,3 | 282 | | | | | | 14 |
| 16 | 7,1 | 330 | 5,6 | 264 | | | 6,3 | 314 | | | | | | 16 |
| 18 | 6,7 | 354 | 5,4 | 290 | | | 6,3 | 346 | 5,3 | 288 | | | | 18 |
| 20 | 6,4 | 379 | 5,2 | 314 | 4,4 | 266 | 6,0 | 370 | 5,2 | 315 | 4,4 | 266 | | 20 |
| 22 | 6,1 | 402 | 5,1 | 341 | 4,3 | 291 | 5,7 | 392 | 5,0 | 339 | 4,3 | 292 | | 22 |
| 24 | 5,8 | 424 | 4,9 | 364 | 4,2 | 316 | 5,5 | 416 | 4,9 | 365 | 4,2 | 317 | | 24 |
| 26 | 4,9 | 424 | 4,8 | 390 | 4,2 | 345 | 4,7 | 419 | 4,7 | 388 | 4,1 | 342 | | 26 |
| 28 | 4,1 | 423 | 4,7 | 415 | 4,1 | 369 | 4,0 | 421 | 4,5 | 409 | 4,1 | 370 | | 28 |
| 30 | 3,5 | 426 | 4,2 | 424 | 4,0 | 393 | 3,3 | 420 | 4,1 | 422 | 4,0 | 394 | | 30 |
| 32 | 2,9 | 426 | 3,6 | 427 | 4,0 | 421 | 2,7 | 420 | 3,5 | 424 | 3,9 | 418 | | 32 |
| 34 | 2,3 | 424 | 3,0 | 427 | 3,5 | 428 | 2,2 | 421 | 2,9 | 423 | 3,5 | 428 | | 34 |
| 36 | 1,9 | 427 | 2,5 | 428 | 2,9 | 427 | 1,7 | 420 | 2,4 | 425 | 2,9 | 427 | | 36 |
| 38 | 1,4 | 424 | 2,0 | 427 | 2,3 | 423 | 1,3 | 422 | 1,9 | 424 | 2,3 | 423 | | 38 |
| 40 | | | 1,5 | 424 | 1,8 | 422 | | | 1,5 | 425 | 1,8 | 421 | | 40 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | Tel. |
| 1 | | | 93 | | | | | | 100 | | | | | 1 |
| 2 | | | 93 | | | | | | 100 | | | | | 2 |
| 3 | | | 93 | | | | | | 100 | | | | | 3 |
| 4 | | | 93 | | | | | | 100 | | | | | 4 |
| 5 | | | 93 | | | | | | 100 | | | | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

05.07.2004



Load rating chart ATF 160G-5

Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981,
at fly jib 5,4 m

Counterweight 13,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length 13,2 m | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | Working radius (m) | | | |
|--------------------|------------------------|------|----|------------------------------|----|------|----|------|----|------------------------------|----|------|-----|------|------|--------------------|-----|------|------|
| | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | |
| | 0° | | | 0° | | 20° | | 40° | | 0° | | | 20° | | | | 40° | | |
| | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | ∠ | ∠ | |
| 3,0 | 76 | 33,2 | | | | | | | | | | | | | | | | 3,0 | |
| 3,5 | 74 | 31,4 | 80 | 23,7 | | | | | | | | | | | | | | 3,5 | |
| 4,0 | 73 | 30,6 | 78 | 22,5 | | | | | | | | | | | | | | 4,0 | |
| 4,5 | 71 | 29,1 | 77 | 22,2 | 81 | 18,5 | | | | | | | | | | | | 4,5 | |
| 5,0 | 70 | 28,4 | 75 | 21,6 | 79 | 18,2 | 82 | 25,6 | | | | | | | | | | 5,0 | |
| 6,0 | 66 | 26,0 | 72 | 20,5 | 76 | 17,9 | 80 | 25,6 | | | | | | | | | | 6,0 | |
| 7,0 | 63 | 24,5 | 68 | 19,8 | 72 | 17,5 | 79 | 25,6 | 81 | 20,9 | | | | 81 | 17,1 | | | 7,0 | |
| 8,0 | 59 | 22,9 | 64 | 19,0 | 68 | 17,2 | 78 | 25,6 | 80 | 20,3 | | | | 80 | 16,3 | | | 8,0 | |
| 9,0 | 56 | 21,6 | 61 | 18,5 | 64 | 16,9 | 76 | 25,4 | 79 | 19,8 | 80 | 17,2 | 79 | 15,6 | 81 | 13,7 | | 9,0 | |
| 10,0 | 52 | 20,5 | 57 | 18,0 | 60 | 16,8 | 75 | 24,5 | 77 | 19,4 | 79 | 16,9 | 78 | 15,0 | 80 | 13,2 | 82 | 12,1 | 10,0 |
| 11,0 | 48 | 19,6 | 52 | 17,5 | 56 | 16,8 | 74 | 23,8 | 76 | 19,0 | 78 | 16,7 | 77 | 14,5 | 79 | 12,8 | 80 | 11,8 | 11,0 |
| 12,0 | 43 | 18,8 | 48 | 17,2 | 51 | 16,8 | 72 | 23,0 | 74 | 18,5 | 76 | 16,5 | 76 | 14,0 | 78 | 12,4 | 79 | 11,4 | 12,0 |
| 14,0 | 33 | 17,5 | 37 | 16,8 | | | 69 | 19,2 | 71 | 17,8 | 73 | 16,1 | 73 | 13,1 | 75 | 11,7 | 77 | 10,9 | 14,0 |
| 16,0 | 15 | 16,4 | | | | | 66 | 14,7 | 68 | 15,5 | 70 | 15,8 | 71 | 12,3 | 73 | 11,1 | 74 | 10,4 | 16,0 |
| 18,0 | | | | | | | 63 | 11,4 | 65 | 12,1 | 67 | 12,6 | 69 | 11,7 | 70 | 10,6 | 72 | 9,9 | 18,0 |
| 20,0 | | | | | | | 60 | 9,0 | 62 | 9,6 | 63 | 10,0 | 66 | 9,5 | 68 | 10,1 | 69 | 9,6 | 20,0 |
| 22,0 | | | | | | | 56 | 7,2 | 58 | 7,6 | 60 | 7,9 | 64 | 7,6 | 65 | 8,2 | 67 | 8,5 | 22,0 |
| 24,0 | | | | | | | 53 | 5,7 | 55 | 6,1 | 56 | 6,3 | 61 | 6,1 | 63 | 6,6 | 64 | 6,9 | 24,0 |
| 26,0 | | | | | | | 49 | 4,5 | 51 | 4,8 | 52 | 5,0 | 58 | 4,9 | 60 | 5,3 | 61 | 5,5 | 26,0 |
| 28,0 | | | | | | | 45 | 3,5 | 47 | 3,7 | 48 | 3,8 | 56 | 3,9 | 57 | 4,2 | 58 | 4,4 | 28,0 |
| 30,0 | | | | | | | 40 | 2,6 | 42 | 2,8 | 43 | 2,9 | 53 | 3,0 | 54 | 3,3 | 55 | 3,5 | 30,0 |
| 32,0 | | | | | | | 35 | 1,9 | 37 | 2,0 | | | 50 | 2,3 | 51 | 2,6 | 52 | 2,7 | 32,0 |
| 34,0 | | | | | | | 29 | 1,2 | 31 | 1,3 | | | 46 | 1,7 | 48 | 1,9 | 49 | 2,0 | 34,0 |
| 36,0 | | | | | | | | | | | | | 43 | 1,1 | 44 | 1,3 | 45 | 1,3 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | 40,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | Tel. | |
| 1 | 0 | | | 93 | | | | | | 93 | | | | | | 1 | | | |
| 2 | 0 | | | 46 | | | | | | 93 | | | | | | 2 | | | |
| 3 | 0 | | | 46 | | | | | | 46 | | | | | | 3 | | | |
| 4 | 0 | | | 46 | | | | | | 46 | | | | | | 4 | | | |
| 5 | 0 | | | 0 | | | | | | 46 | | | | | | 5 | | | |

The operation manual and the notes to the load rating chart have to be observed !



Outrigger reaction force chart ATF 160G-5

Outrigger reaction force **F** in (kN)
 Lifting capacities **m** in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m,
 load rating chart 99707789206

Counterweight 13,0 t

On outriggers, 360° working area

Outriggers fully extended, outrigger base 8,30 m

| Working radius (m) | Boom length 13,2 m | | | Boom length 13,2 m to 35,0 m | | | | | | Boom length 13,2 m to 43,7 m | | | | | | Working radius (m) | | | |
|--------------------|------------------------|-----|------|------------------------------|------|-----|------|-----|------|------------------------------|------|-----|------|-----|------|--------------------|------|-----|------|
| | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | m | F | m | | F | m | F |
| 3,0 | 33,2 | 295 | | | | | | | | | | | | | | | | | 3,0 |
| 3,5 | 31,4 | 303 | 23,7 | 245 | | | | | | | | | | | | | | | 3,5 |
| 4,0 | 30,6 | 315 | 22,5 | 251 | | | | | | | | | | | | | | | 4,0 |
| 4,5 | 29,1 | 321 | 22,2 | 262 | 18,5 | 227 | | | | | | | | | | | | | 4,5 |
| 5,0 | 28,4 | 333 | 21,6 | 271 | 18,2 | 237 | 25,6 | 321 | | | | | | | | | | | 5,0 |
| 6,0 | 26,0 | 345 | 20,5 | 289 | 17,9 | 258 | 25,6 | 352 | | | | | | | | | | | 6,0 |
| 7,0 | 24,5 | 361 | 19,8 | 307 | 17,5 | 278 | 25,6 | 383 | 20,9 | 326 | | | 17,1 | 300 | | | | | 7,0 |
| 8,0 | 22,9 | 373 | 19,0 | 324 | 17,2 | 299 | 25,6 | 414 | 20,3 | 347 | | | 16,3 | 315 | | | | | 8,0 |
| 9,0 | 21,6 | 386 | 18,5 | 343 | 16,9 | 319 | 25,4 | 443 | 19,8 | 368 | 17,2 | 329 | 15,6 | 329 | 13,7 | 296 | | | 9,0 |
| 10,0 | 20,5 | 399 | 18,0 | 361 | 16,8 | 341 | 24,5 | 463 | 19,4 | 389 | 16,9 | 349 | 15,0 | 343 | 13,2 | 310 | 12,1 | 286 | 10,0 |
| 11,0 | 19,6 | 412 | 17,5 | 378 | 16,8 | 364 | 23,8 | 484 | 19,0 | 409 | 16,7 | 370 | 14,5 | 358 | 12,8 | 324 | 11,8 | 301 | 11,0 |
| 12,0 | 18,8 | 425 | 17,2 | 397 | 16,8 | 387 | 23,0 | 502 | 18,5 | 428 | 16,5 | 390 | 14,0 | 371 | 12,4 | 337 | 11,4 | 314 | 12,0 |
| 14,0 | 17,5 | 452 | 16,8 | 437 | | | 19,2 | 500 | 17,8 | 466 | 16,1 | 430 | 13,1 | 398 | 11,7 | 364 | 10,9 | 342 | 14,0 |
| 16,0 | 16,4 | 478 | | | | | 14,7 | 471 | 15,5 | 474 | 15,8 | 471 | 12,3 | 422 | 11,1 | 390 | 10,4 | 369 | 16,0 |
| 18,0 | | | | | | | 11,4 | 449 | 12,1 | 452 | 12,6 | 454 | 11,7 | 448 | 10,6 | 415 | 9,9 | 393 | 18,0 |
| 20,0 | | | | | | | 9,0 | 435 | 9,6 | 437 | 10,0 | 439 | 9,5 | 437 | 10,1 | 439 | 9,6 | 421 | 20,0 |
| 22,0 | | | | | | | 7,2 | 425 | 7,6 | 425 | 7,9 | 425 | 7,6 | 425 | 8,2 | 429 | 8,5 | 428 | 22,0 |
| 24,0 | | | | | | | 5,7 | 416 | 6,1 | 417 | 6,3 | 417 | 6,1 | 416 | 6,6 | 419 | 6,9 | 420 | 24,0 |
| 26,0 | | | | | | | 4,5 | 410 | 4,8 | 410 | 5,0 | 411 | 4,9 | 410 | 5,3 | 411 | 5,5 | 410 | 26,0 |
| 28,0 | | | | | | | 3,5 | 405 | 3,7 | 403 | 3,8 | 403 | 3,9 | 405 | 4,2 | 405 | 4,4 | 405 | 28,0 |
| 30,0 | | | | | | | 2,6 | 400 | 2,8 | 400 | 2,9 | 400 | 3,0 | 400 | 3,3 | 400 | 3,5 | 401 | 30,0 |
| 32,0 | | | | | | | 1,9 | 397 | 2,0 | 395 | | | 2,3 | 397 | 2,6 | 399 | 2,7 | 398 | 32,0 |
| 34,0 | | | | | | | 1,2 | 393 | 1,3 | 392 | | | 1,7 | 396 | 1,9 | 395 | 2,0 | 395 | 34,0 |
| 36,0 | | | | | | | | | | | | | 1,1 | 392 | 1,3 | 393 | 1,3 | 390 | 36,0 |
| 38,0 | | | | | | | | | | | | | | | | | | | 38,0 |
| 40,0 | | | | | | | | | | | | | | | | | | | 40,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | | | | | Tel. |
| 1 | 0 | | | 93 | | | | | | 93 | | | | | | 1 | | | |
| 2 | 0 | | | 46 | | | | | | 93 | | | | | | 2 | | | |
| 3 | 0 | | | 46 | | | | | | 46 | | | | | | 3 | | | |
| 4 | 0 | | | 46 | | | | | | 46 | | | | | | 4 | | | |
| 5 | 0 | | | 0 | | | | | | 46 | | | | | | 5 | | | |


The chart shows the maximum existing outrigger reaction forces in the worst condition,
 dynamic influences are not being taken into account.

| Working radius (m) | | Load rating chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | |
|--------------------|------------------------|--|----|-----|----------------------------|-----|-----|------------------------------|----|-----|----------------------------|-----|--|--------------------|------|
| | | Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | |
| | | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | |
| | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | Fly jib 5,4 m offset | | | | |
| | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | |
| | | ° | | ° | | ° | | ° | | ° | | ° | | | |
| | | ∠ | | ∠ | | ∠ | | ∠ | | ∠ | | ∠ | | | |
| 3,0 | | | | | | | | | | | | | | | 3,0 |
| 3,5 | | | | | | | | | | | | | | | 3,5 |
| 4,0 | | | | | | | | | | | | | | | 4,0 |
| 4,5 | | | | | | | | | | | | | | | 4,5 |
| 5,0 | | | | | | | | | | | | | | | 5,0 |
| 6,0 | | | | | | | | | | | | | | | 6,0 |
| 7,0 | | | | | | | | | | | | | | | 7,0 |
| 8,0 | | | | | | | | | | | | | | | 8,0 |
| 9,0 | | | | | | | | | | | | | | | 9,0 |
| 10,0 | 81 | 10,7 | | | | | | | | | | | | | 10,0 |
| 11,0 | 80 | 10,3 | | | | | 81 | 9,6 | | | | | | | 11,0 |
| 12,0 | 80 | 10,0 | 81 | 9,2 | | | 80 | 9,3 | 82 | 8,6 | | | | | 12,0 |
| 14,0 | 78 | 9,4 | 79 | 8,7 | 81 | 8,2 | 79 | 8,7 | 80 | 8,1 | 81 | 7,7 | | | 14,0 |
| 16,0 | 76 | 8,8 | 78 | 8,2 | 79 | 7,8 | 77 | 8,2 | 79 | 7,7 | 80 | 7,3 | | | 16,0 |
| 18,0 | 74 | 8,4 | 76 | 7,8 | 77 | 7,5 | 75 | 7,8 | 77 | 7,3 | 78 | 7,0 | | | 18,0 |
| 20,0 | 73 | 7,9 | 74 | 7,5 | 75 | 7,2 | 74 | 7,4 | 75 | 7,0 | 76 | 6,7 | | | 20,0 |
| 22,0 | 71 | 7,5 | 72 | 7,2 | 73 | 6,9 | 72 | 7,0 | 74 | 6,7 | 75 | 6,4 | | | 22,0 |
| 24,0 | 69 | 6,9 | 70 | 6,9 | 71 | 6,6 | 70 | 6,7 | 72 | 6,4 | 73 | 6,2 | | | 24,0 |
| 26,0 | 67 | 5,7 | 69 | 6,1 | 69 | 6,4 | 69 | 5,7 | 70 | 6,1 | 71 | 6,0 | | | 26,0 |
| 28,0 | 65 | 4,7 | 67 | 5,0 | 67 | 5,3 | 67 | 4,7 | 68 | 5,0 | 69 | 5,3 | | | 28,0 |
| 30,0 | 63 | 3,8 | 64 | 4,1 | 65 | 4,3 | 65 | 3,8 | 66 | 4,1 | 67 | 4,3 | | | 30,0 |
| 32,0 | 61 | 3,1 | 62 | 3,3 | 63 | 3,5 | 63 | 3,0 | 64 | 3,3 | 65 | 3,5 | | | 32,0 |
| 34,0 | 59 | 2,4 | 60 | 2,7 | 61 | 2,8 | 61 | 2,4 | 63 | 2,7 | 63 | 2,8 | | | 34,0 |
| 36,0 | 57 | 1,8 | 58 | 2,1 | 59 | 2,2 | 59 | 1,8 | 60 | 2,1 | 61 | 2,2 | | | 36,0 |
| 38,0 | 55 | 1,3 | 56 | 1,5 | 56 | 1,7 | 57 | 1,3 | 58 | 1,5 | 59 | 1,7 | | | 38,0 |
| 40,0 | | | 53 | 1,1 | 54 | 1,2 | | | 56 | 1,1 | 57 | 1,2 | | | 40,0 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | Tel. |
| 1 | 93 | | | | | | 100 | | | | | | | | 1 |
| 2 | 93 | | | | | | 100 | | | | | | | | 2 |
| 3 | 93 | | | | | | 100 | | | | | | | | 3 |
| 4 | 93 | | | | | | 100 | | | | | | | | 4 |
| 5 | 93 | | | | | | 100 | | | | | | | | 5 |

The operation manual and the notes to the load rating chart have to be observed !

| Working radius (m) | | Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | Working radius (m) | | | |
|--------------------|------------------------|---|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|---|--------------------|------|--|--|
| | | Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 5,4 m, load rating chart 99707789206 Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | | | |
| | | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | | | | |
| | | Fly jib 5,4 m offset | | | | | | Fly jib 5,4 m offset | | | | | | | | | |
| | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | | | | |
| | | m | F | m | F | m | F | m | F | m | F | m | F | | | | |
| 3,0 | | | | | | | | | | | | | | | 3,0 | | |
| 3,5 | | | | | | | | | | | | | | | 3,5 | | |
| 4,0 | | | | | | | | | | | | | | | 4,0 | | |
| 4,5 | | | | | | | | | | | | | | | 4,5 | | |
| 5,0 | | | | | | | | | | | | | | | 5,0 | | |
| 6,0 | | | | | | | | | | | | | | | 6,0 | | |
| 7,0 | | | | | | | | | | | | | | | 7,0 | | |
| 8,0 | | | | | | | | | | | | | | | 8,0 | | |
| 9,0 | | | | | | | | | | | | | | | 9,0 | | |
| 10,0 | 10,7 | 283 | | | | | | | | | | | | | 10,0 | | |
| 11,0 | 10,3 | 294 | | | | | 9,6 | 285 | | | | | | | 11,0 | | |
| 12,0 | 10,0 | 306 | 9,2 | 284 | | | 9,3 | 297 | 8,6 | 276 | | | | | 12,0 | | |
| 14,0 | 9,4 | 329 | 8,7 | 307 | 8,2 | 290 | 8,7 | 318 | 8,1 | 297 | 7,7 | 282 | | | 14,0 | | |
| 16,0 | 8,8 | 349 | 8,2 | 328 | 7,8 | 312 | 8,2 | 338 | 7,7 | 319 | 7,3 | 303 | | | 16,0 | | |
| 18,0 | 8,4 | 370 | 7,8 | 348 | 7,5 | 334 | 7,8 | 359 | 7,3 | 339 | 7,0 | 325 | | | 18,0 | | |
| 20,0 | 7,9 | 388 | 7,5 | 370 | 7,2 | 356 | 7,4 | 378 | 7,0 | 359 | 6,7 | 345 | | | 20,0 | | |
| 22,0 | 7,5 | 407 | 7,2 | 390 | 6,9 | 376 | 7,0 | 396 | 6,7 | 379 | 6,4 | 364 | | | 22,0 | | |
| 24,0 | 6,9 | 419 | 6,9 | 410 | 6,6 | 395 | 6,7 | 415 | 6,4 | 397 | 6,2 | 385 | | | 24,0 | | |
| 26,0 | 5,7 | 413 | 6,1 | 414 | 6,4 | 416 | 5,7 | 414 | 6,1 | 415 | 6,0 | 405 | | | 26,0 | | |
| 28,0 | 4,7 | 409 | 5,0 | 408 | 5,3 | 410 | 4,7 | 409 | 5,0 | 408 | 5,3 | 410 | | | 28,0 | | |
| 30,0 | 3,8 | 403 | 4,1 | 403 | 4,3 | 403 | 3,8 | 404 | 4,1 | 403 | 4,3 | 403 | | | 30,0 | | |
| 32,0 | 3,1 | 401 | 3,3 | 399 | 3,5 | 400 | 3,0 | 398 | 3,3 | 399 | 3,5 | 399 | | | 32,0 | | |
| 34,0 | 2,4 | 396 | 2,7 | 398 | 2,8 | 396 | 2,4 | 397 | 2,7 | 398 | 2,8 | 396 | | | 34,0 | | |
| 36,0 | 1,8 | 393 | 2,1 | 395 | 2,2 | 394 | 1,8 | 393 | 2,1 | 395 | 2,2 | 394 | | | 36,0 | | |
| 38,0 | 1,3 | 391 | 1,5 | 390 | 1,7 | 394 | 1,3 | 391 | 1,5 | 390 | 1,7 | 393 | | | 38,0 | | |
| 40,0 | | | 1,1 | 391 | 1,2 | 391 | | | 1,1 | 391 | 1,2 | 391 | | | 40,0 | | |
| Tel. | Telescoping sequence % | | | | | | | | | | | | | | Tel. | | |
| 1 | 93 | | | | | | 100 | | | | | | | | 1 | | |
| 2 | 93 | | | | | | 100 | | | | | | | | 2 | | |
| 3 | 93 | | | | | | 100 | | | | | | | | 3 | | |
| 4 | 93 | | | | | | 100 | | | | | | | | 4 | | |
| 5 | 93 | | | | | | 100 | | | | | | | | 5 | | |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

|  Load rating chart ATF 160G-5 | | | | | | | | | | | | | |
|---|------------------------------|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|------|--------------------|
| Lifting capacities in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | |
| Working radius (m) | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | Working radius (m) |
| | Fly jib 13,2 m offset | | | | | | Fly jib 13,2 m offset | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | ∠ | | |
| 11 | 81 | 7,5 | | | | | | | | | | 11 | |
| 12 | 80 | 7,5 | | | | | 81 | 6,3 | | | | 12 | |
| 14 | 79 | 7,5 | | | | | 79 | 6,3 | | | | 14 | |
| 16 | 77 | 7,1 | 81 | 5,6 | | | 78 | 6,3 | | | | 16 | |
| 18 | 76 | 6,7 | 79 | 5,4 | | | 77 | 6,3 | 80 | 5,3 | | 18 | |
| 20 | 74 | 6,4 | 78 | 5,2 | 81 | 4,4 | 75 | 6,0 | 79 | 5,2 | 81 | 4,4 | 20 |
| 22 | 73 | 6,1 | 76 | 5,1 | 79 | 4,3 | 74 | 5,7 | 77 | 5,0 | 80 | 4,3 | 22 |
| 24 | 71 | 5,8 | 75 | 4,9 | 77 | 4,2 | 73 | 5,5 | 76 | 4,9 | 78 | 4,2 | 24 |
| 26 | 70 | 5,6 | 73 | 4,8 | 76 | 4,2 | 71 | 5,2 | 74 | 4,7 | 77 | 4,1 | 26 |
| 28 | 68 | 5,2 | 71 | 4,7 | 74 | 4,1 | 69 | 5,0 | 73 | 4,5 | 75 | 4,1 | 28 |
| 30 | 66 | 4,4 | 70 | 4,5 | 72 | 4,0 | 68 | 4,3 | 71 | 4,3 | 74 | 4,0 | 30 |
| 32 | 65 | 3,6 | 68 | 4,3 | 71 | 4,0 | 66 | 3,6 | 70 | 4,2 | 72 | 3,9 | 32 |
| 34 | 63 | 2,9 | 66 | 3,6 | 69 | 3,9 | 65 | 2,9 | 68 | 3,5 | 70 | 3,8 | 34 |
| 36 | 61 | 2,4 | 65 | 2,9 | 67 | 3,4 | 63 | 2,3 | 66 | 2,9 | 68 | 3,3 | 36 |
| 38 | 59 | 1,9 | 63 | 2,4 | 65 | 2,8 | 61 | 1,8 | 65 | 2,4 | 67 | 2,7 | 38 |
| 40 | 57 | 1,4 | 61 | 1,9 | 63 | 2,2 | 60 | 1,4 | 63 | 1,9 | 65 | 2,2 | 40 |
| 44 | | | 57 | 1,1 | 59 | 1,3 | | | | | 61 | 1,3 | 44 |
| Tel. | Telescoping sequence % | | | | | | | | | | | Tel. | |
| 1 | 93 | | | | | | 100 | | | | | | 1 |
| 2 | 93 | | | | | | 100 | | | | | | 2 |
| 3 | 93 | | | | | | 100 | | | | | | 3 |
| 4 | 93 | | | | | | 100 | | | | | | 4 |
| 5 | 93 | | | | | | 100 | | | | | | 5 |

The operation manual and the notes to the load rating chart have to be observed !

| FAUN Outrigger reaction force chart ATF 160G-5 | | | | | | | | | | | | | |
|--|------------------------------|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|-----|--------------------|
| Outrigger reaction force F in (kN) Lifting capacities m in metric tons acc. to DIN 15019, part 2 / ISO 4305 / BS 1757 ed. 1981, at fly jib 13,2 m, load rating chart 99707789312 Counterweight 13,0 t On outriggers, 360° working area Outriggers fully extended, outrigger base 8,30 m | | | | | | | | | | | | | |
| Working radius (m) | Boom length 13,2 m to 56,7 m | | | | | | Boom length 13,2 m to 60,0 m | | | | | | Working radius (m) |
| | Fly jib 13,2 m offset | | | | | | Fly jib 13,2 m offset | | | | | | |
| | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| | m | F | m | F | m | F | m | F | m | F | m | F | |
| 11 | 7,5 | 253 | | | | | | | | | | | 11 |
| 12 | 7,5 | 266 | | | | | 6,3 | 250 | | | | | 12 |
| 14 | 7,5 | 292 | | | | | 6,3 | 274 | | | | | 14 |
| 16 | 7,1 | 311 | 5,6 | 260 | | | 6,3 | 298 | | | | | 16 |
| 18 | 6,7 | 329 | 5,4 | 279 | | | 6,3 | 322 | 5,3 | 278 | | | 18 |
| 20 | 6,4 | 348 | 5,2 | 298 | 4,4 | 260 | 6,0 | 340 | 5,2 | 298 | 4,4 | 261 | 20 |
| 22 | 6,1 | 365 | 5,1 | 318 | 4,3 | 280 | 5,7 | 357 | 5,0 | 316 | 4,3 | 280 | 22 |
| 24 | 5,8 | 381 | 4,9 | 335 | 4,2 | 299 | 5,5 | 375 | 4,9 | 336 | 4,2 | 299 | 24 |
| 26 | 5,6 | 399 | 4,8 | 355 | 4,2 | 320 | 5,2 | 390 | 4,7 | 353 | 4,1 | 318 | 26 |
| 28 | 5,2 | 411 | 4,7 | 374 | 4,1 | 338 | 5,0 | 406 | 4,5 | 369 | 4,1 | 339 | 28 |
| 30 | 4,4 | 408 | 4,5 | 389 | 4,0 | 357 | 4,3 | 407 | 4,3 | 384 | 4,0 | 357 | 30 |
| 32 | 3,6 | 403 | 4,3 | 404 | 4,0 | 378 | 3,6 | 405 | 4,2 | 402 | 3,9 | 375 | 32 |
| 34 | 2,9 | 399 | 3,6 | 401 | 3,9 | 396 | 2,9 | 400 | 3,5 | 399 | 3,8 | 393 | 34 |
| 36 | 2,4 | 399 | 2,9 | 396 | 3,4 | 399 | 2,3 | 397 | 2,9 | 397 | 3,3 | 396 | 36 |
| 38 | 1,9 | 397 | 2,4 | 396 | 2,8 | 397 | 1,8 | 395 | 2,4 | 397 | 2,7 | 393 | 38 |
| 40 | 1,4 | 393 | 1,9 | 394 | 2,2 | 392 | 1,4 | 395 | 1,9 | 395 | 2,2 | 392 | 40 |
| 44 | | | 1,1 | 393 | 1,3 | 390 | | | | | 1,3 | 390 | 44 |
| Tel. | Telescoping sequence % | | | | | | | | | | | | Tel. |
| 1 | 93 | | | | | | 100 | | | | | | 1 |
| 2 | 93 | | | | | | 100 | | | | | | 2 |
| 3 | 93 | | | | | | 100 | | | | | | 3 |
| 4 | 93 | | | | | | 100 | | | | | | 4 |
| 5 | 93 | | | | | | 100 | | | | | | 5 |

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

05.07.2004

- 1- The operation manual is to be observed !
 Note: If counterweight goes down (warning light comes on), slewing is disconnected.
 Counterweight must be lifted.
- 2- The lifting capacity ratings above the separating line are based on the strength of the components and below on tipping stability. The lifting capacities are applicable only when the crane is positioned horizontally on a solid ground.
- 3- The working radius is the horizontal distance between the centre of the rotation and the centre of the hook block or the load, the deflection of the boom due to its deadweight and the rated load being are taken into account.
- 4- The outriggers floats must be placed on large-sized supports of resistant material, if this is required by the ground conditions.
- 5- The outrigger beams must be extended to the dimension written on the load rating chart and secured by pins.
- 6- The supporting cylinders must be extended so, that all wheels are clear of the ground.
- 7- Slewing of the superstructure is admissible only when the crane is supported by outriggers.
- 8- Working on wheels and travelling with load is not allowed.
- 9- Maximum admissible wind velocity for all duties at telescopic boom is 10 m/sec. and at fly jib is 7 m/sec. with a load surface sail area not exceeded 1,2 m² per metric ton lifting capacity.
- 10- Exact dead weights of hook blocks, hooks, sling ropes, crossbeams etc., given at the type plates of these parts, are part of the load and must be deducted from the lifting capacities.

| | | | | | | | | | | | | | | |
|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|
| Hook ball / hook block (t) | 10,0 | 25,0 | 63,0 | | | | 80,0 | | | 125,0 | | | | |
| Number of sheaves | - | 1 | 3 | | | | 5 | | | 7 | | | | |
| Number of rope lines | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14* |
| Load capacity (t) | 8,5 | 16,9 | 25,0 | 33,1 | 40,8 | 48,7 | 56,0 | 63,7 | 70,6 | 78,0 | 84,6 | 91,8 | 98,0 | 105,0 |
| Weight (kg) | 300 | 450 | 850 | | | | 1150 | | | 1350 | | | | |

*For more than 15 rope lines additional lifting equipment is necessary, see operation manual.

- 11- The lifting capacity ratings specified in the load rating charts apply to the telescopic boom without fly jib fixed in transport- or working position. If the fly jib is secured to the telescopic boom in transport- or working position, the lifting capacities at the telescopic boom are reduced according to the values specified below. The weight of the fly jib is detected in terms of a load, and the automatic safe load indicator will shut off earlier. The working radii specified in the load rating charts for the fly jib apply only if the telescopic boom is extended to the length given at load rating chart. If one or more elements of the telescopic boom are retracted completely or partially, the specified boom angles will be decisive.

| Load rating reduction for the telescopic boom with mounted fly jib | | | | | | | | | | |
|--|---------------------------|------|------|------|------|------|------|------|------|--|
| Position of the fly jib | Boom length (m) | | | | | | | | | |
| | 13,2 | 21,9 | 30,6 | 35,0 | 43,7 | 48,0 | 52,4 | 56,7 | 60,0 | |
| | Load rating reduction (t) | | | | | | | | | |
| 5,4 m/13,2 m fly jib, mounted in transport position | 0,60 | 0,30 | 0,22 | 0,18 | 0,18 | 0,15 | 0,15 | 0,12 | 0,10 | |
| 5,4 m fly jib, mounted to the boom head | 1,94 | 1,68 | 1,49 | 1,38 | 1,33 | 1,29 | 1,26 | 1,24 | 1,22 | |
| 13,2 m fly jib, mounted to the boom head | 2,65 | 2,15 | 1,85 | 1,65 | 1,58 | 1,53 | 1,50 | 1,50 | 1,48 | |
| 19,2 m fly jib, mounted to the boom head | 3,43 | 2,62 | 2,24 | 2,11 | 2,04 | 1,98 | 1,93 | 1,89 | 1,86 | |
| 25,2 m fly jib, mounted to the boom head | 4,12 | 2,97 | 2,62 | 2,50 | 2,41 | 2,33 | 2,26 | 2,21 | 2,17 | |
| 31,2 m fly jib, mounted to the boom head | 5,95 | 4,03 | 3,54 | 3,29 | 3,08 | 2,91 | 2,79 | 2,69 | 2,62 | |
| 37,2 m fly jib, mounted to the boom head | 7,70 | 5,85 | 4,84 | 4,16 | 3,78 | 3,50 | 3,26 | 3,06 | 2,98 | |

- 12- Working with Single Top
 The maximum allowed line pull for single top operation is 80 kN. For operations with the single top mounted, use the load rating chart for the telescopic boom in accordance with existing counterweight and outrigger base to find the total rated lifting capacity and also select the correct A.S.L.I. code with single line. The radius and load indication at A.S.L.I. display are not absolutely exact, because geometrical data for the single top are not taken into account by A.S.L.I. system.
- 13- Working with auxiliary winch
 The weight of the auxiliary winch is taken into account as a part of counterweight. Therefore the auxiliary winch must be always attached to the superstructure for crane working. In case that the auxiliary winch is disassembled from superstructure, the counterweight piece with 1,0 t have to be attached to the superstructure instead of auxiliary winch.

mit der Auslegerverlängerung 5,4 m / 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

Hook height

with fly jib 5,4 m / 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

Hauteur sous crochet

avec fléchette 5,4 m / 13,2 m / 19,2 m / 25,2 m / 31,2 m / 37,2 m

