



MAST CHARTS

FD/FG15N-35N(3)



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1 Introduction

This document includes the mast charts for the FD/FG15N-35N(3) truck series.

To interpret the mast charts, see the legend below:

- h1 – Overall lowered mast height
- h2 – Standard free lift
- h3 – Standard lifting height
- h4 – Overall raised height including load backrest
- h5 – Full free lift including load backrest
- SD – Single drive
- DD – Dual drive

2 FG15N

2.1 Standard forks

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	3,300	2,140	4,355	80	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	3,500	2,240	4,555	80	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	3,700	2,340	4,755	80	6-6	6-10	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	4,000	2,540	5,055	80	6-6	6-6	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	4,500	2,790	5,555	80	6-6	6-6	1,425	1,300	1,425	1,325	1,425	1,300	1,425	1,325
	5,000	3,050	6,055	80	6-6	6-6	1,000	1,000	1,375	1,250	1,325	1,225	1,375	1,250
	5,500	3,300	6,555	80	6-6	6-6	700	700	850	850	1,250	1,175	1,250	1,175
	6,000	3,550	7,055	80	6-6	6-6	475	475	525	525	1,200	1,125	1,200	1,125
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	3,295	2,140	4,350	1,085	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	3,515	2,260	4,570	1,205	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	4,030	2,585	5,085	1,530	6-6	6-6	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	1,500	1,350	1,500	1,350	1,500	1,350	1,500	1,350
	4,000	1,890	5,055	835	6-6	6-6	1,450	1,325	1,475	1,350	1,450	1,325	1,500	1,350
	4,300	1,990	5,355	935	6-6	6-6	1,425	1,300	1,425	1,325	1,425	1,300	1,425	1,325
	4,700	2,140	5,755	1,085	6-6	6-6	1,225	1,225	1,375	1,275	1,350	1,250	1,375	1,275
	5,000	2,240	6,055	1,185	6-6	6-6	975	975	1,325	1,225	1,300	1,200	1,325	1,225
	5,500	2,430	6,555	1,375	6-6	6-6	700	700	850	850	1,250	1,150	1,250	1,150
	6,000	2,610	7,055	1,555	6-6	6-6	475	475	525	525	1,175	1,100	1,175	1,100
	6,500	2,850	7,555	1,795	6-6	6-6	300	300	350	350	950	950	950	950
	7,000	3,050	8,055	1,995	6-6	6-6	175	175	175	175	650	650	650	650

2.2 Hook-on sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	1,450	1,350	1,450	1,350	1,450	1,350	1,450	1,350
	3,300	2,140	4,355	80	6-10	6-10	1,425	1,325	1,450	1,325	1,425	1,325	1,450	1,325
	3,500	2,240	4,555	80	6-10	6-10	1,400	1,325	1,425	1,300	1,400	1,300	1,425	1,300
	3,700	2,340	4,755	80	6-6	6-10	1,375	1,275	1,400	1,275	1,375	1,275	1,400	1,275
	4,000	2,540	5,055	80	6-6	6-6	1,325	1,225	1,350	1,250	1,325	1,225	1,350	1,250
	4,500	2,790	5,555	80	6-6	6-6	1,250	1,175	1,300	1,200	1,275	1,175	1,300	1,200
	5,000	3,050	6,055	80	6-6	6-6	825	825	1,100	1,100	1,225	1,125	1,225	1,125
	5,500	3,300	6,555	80	6-6	6-6	550	550	625	625	1,150	1,075	1,150	1,075
	6,000	3,550	7,055	80	6-6	6-6	325	325	325	325	1,100	1,025	1,100	1,025
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	1,450	1,350	1,450	1,350	1,450	1,350	1,450	1,350
	3,295	2,140	4,350	1,085	6-10	6-10	1,425	1,325	1,450	1,325	1,425	1,325	1,450	1,325
	3,515	2,260	4,570	1,205	6-10	6-10	1,400	1,325	1,425	1,300	1,400	1,300	1,425	1,300
	4,030	2,585	5,085	1,530	6-6	6-6	1,325	1,225	1,350	1,250	1,325	1,225	1,350	1,250
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	1,350	1,250	1,350	1,250	1,350	1,250	1,350	1,250
	4,000	1,890	5,055	835	6-6	6-6	1,325	1,200	1,325	1,225	1,325	1,225	1,325	1,225
	4,300	1,990	5,355	935	6-6	6-6	1,275	1,175	1,300	1,200	1,275	1,175	1,300	1,200
	4,700	2,140	5,755	1,085	6-6	6-6	1,025	1,025	1,250	1,150	1,225	1,150	1,250	1,150
	5,000	2,240	6,055	1,185	6-6	6-6	775	775	1,025	1,025	1,200	1,100	1,200	1,100
	5,500	2,430	6,555	1,375	6-6	6-6	550	550	625	625	1,150	1,075	1,150	1,075
	6,000	2,610	7,055	1,555	6-6	6-6	325	325	325	325	1,075	1,000	1,075	1,000
	6,500	2,850	7,555	1,795	6-6	6-6	150	150	150	150	800	800	800	800
	7,000	3,050	8,055	1,995	6-6	6-6	---	---	---	---	500	500	500	500

2.3 Integral sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	---	---
	3,300	2,140	4,355	80	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	---	---
	3,500	2,240	4,555	80	6-10	6-10	1,450	1,350	1,475	1,350	1,475	1,350	---	---
	3,700	2,340	4,755	80	6-6	6-10	1,425	1,325	1,450	1,325	1,450	1,325	---	---
	4,000	2,540	5,055	80	6-6	6-6	1,375	1,275	1,400	1,300	1,400	1,275	---	---
	4,500	2,790	5,555	80	6-6	6-6	1,350	1,225	1,350	1,250	1,350	1,225	---	---
	5,000	3,050	6,055	80	6-6	6-6	925	900	1,125	1,125	1,275	1,175	---	---
	5,500	3,300	6,555	80	6-6	6-6	600	600	800	800	1,225	1,125	---	---
	6,000	3,550	7,055	80	6-6	6-6	375	375	500	500	1,175	1,075	---	---
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	---	---
	3,295	2,140	4,350	1,085	6-10	6-10	1,500	1,350	1,500	1,350	1,500	1,350	---	---
	3,515	2,260	4,570	1,205	6-10	6-10	1,450	1,350	1,475	1,350	1,475	1,350	---	---
	4,030	2,585	5,085	1,530	6-6	6-6	1,375	1,275	1,400	1,300	1,400	1,275	---	---
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	1,425	1,300	1,425	1,325	1,425	1,300	---	---
	4,000	1,890	5,055	835	6-6	6-6	1,375	1,275	1,400	1,275	1,400	1,275	---	---
	4,300	1,990	5,355	935	6-6	6-6	1,350	1,225	1,350	1,250	1,350	1,225	---	---
	4,700	2,140	5,755	1,085	6-6	6-6	1,150	1,125	1,300	1,200	1,300	1,200	---	---
	5,000	2,240	6,055	1,185	6-6	6-6	875	875	1,075	1,075	1,250	1,150	---	---
	5,500	2,430	6,555	1,375	6-6	6-6	600	600	800	800	1,200	1,100	---	---
	6,000	2,610	7,055	1,555	6-6	6-6	375	375	500	500	1,150	1,050	---	---
	6,500	2,850	7,555	1,795	6-6	6-6	---	---	325	325	900	900	---	---
	7,000	3,050	8,055	1,995	6-6	6-6	---	---	---	---	600	600	---	---

3 FG18N

3.1 Standard forks

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	3,300	2,140	4,355	80	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	3,500	2,240	4,555	80	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	3,700	2,340	4,755	80	6-6	6-10	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	4,000	2,540	5,055	80	6-6	6-6	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	4,500	2,790	5,555	80	6-6	6-6	1,450	1,450	1,700	1,575	1,650	1,525	1,700	1,575
	5,000	3,050	6,055	80	6-6	6-6	1,000	1,000	1,400	1,400	1,600	1,475	1,600	1,475
	5,500	3,300	6,555	80	6-6	6-6	700	700	850	850	1,525	1,400	1,525	1,400
	6,000	3,550	7,055	80	6-6	6-6	475	475	525	525	1,325	1,325	1,325	1,325
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	3,295	2,140	4,350	1,085	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	3,515	2,260	4,570	1,205	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	4,030	2,585	5,085	1,530	6-6	6-6	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	1,750	1,575	1,750	1,575	1,750	1,575	1,750	1,575
	4,000	1,890	5,055	835	6-6	6-6	1,725	1,575	1,750	1,575	1,725	1,575	1,750	1,575
	4,300	1,990	5,355	935	6-6	6-6	1,625	1,550	1,700	1,575	1,675	1,550	1,700	1,575
	4,700	2,140	5,755	1,085	6-6	6-6	1,225	1,225	1,625	1,500	1,625	1,450	1,625	1,500
	5,000	2,240	6,055	1,185	6-6	6-6	975	975	1,325	1,325	1,575	1,400	1,575	1,400
	5,500	2,430	6,555	1,375	6-6	6-6	700	700	850	850	1,500	1,350	1,500	1,350
	6,000	2,610	7,055	1,555	6-6	6-6	475	475	525	525	1,325	1,300	1,325	1,300
	6,500	2,850	7,555	1,795	6-6	6-6	300	300	350	350	950	950	950	950
	7,000	3,050	8,055	1,995	6-6	6-6	175	175	175	175	650	650	650	650

3.2 Hook-on sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	1,650	1,575	1,650	1,575	1,650	1,575	1,650	1,575
	3,300	2,140	4,355	80	6-10	6-10	1,650	1,550	1,650	1,575	1,650	1,575	1,650	1,575
	3,500	2,240	4,555	80	6-10	6-10	1,650	1,550	1,650	1,525	1,650	1,550	1,650	1,550
	3,700	2,340	4,755	80	6-6	6-10	1,625	1,500	1,650	1,525	1,650	1,525	1,650	1,525
	4,000	2,540	5,055	80	6-6	6-6	1,575	1,450	1,600	1,475	1,600	1,475	1,600	1,475
	4,500	2,790	5,555	80	6-6	6-6	1,250	1,250	1,550	1,425	1,525	1,425	1,550	1,425
	5,000	3,050	6,055	80	6-6	6-6	825	825	1,100	1,100	1,475	1,350	1,475	1,350
	5,500	3,300	6,555	80	6-6	6-6	550	550	625	625	1,400	1,300	1,400	1,300
	6,000	3,550	7,055	80	6-6	6-6	325	325	325	325	1,150	1,150	1,150	1,150
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	1,650	1,575	1,650	1,575	1,650	1,575	1,650	1,575
	3,295	2,140	4,350	1,085	6-10	6-10	1,650	1,550	1,650	1,575	1,650	1,575	1,650	1,575
	3,515	2,260	4,570	1,205	6-10	6-10	1,650	1,550	1,650	1,525	1,650	1,550	1,650	1,550
	4,030	2,585	5,085	1,530	6-6	6-6	1,575	1,450	1,600	1,475	1,600	1,475	1,600	1,475
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	1,625	1,475	1,625	1,500	1,625	1,500	1,625	1,500
	4,000	1,890	5,055	835	6-6	6-6	1,575	1,450	1,575	1,475	1,575	1,450	1,575	1,475
	4,300	1,990	5,355	935	6-6	6-6	1,425	1,425	1,550	1,425	1,525	1,425	1,550	1,425
	4,700	2,140	5,755	1,085	6-6	6-6	1,025	1,025	1,475	1,375	1,475	1,375	1,475	1,375
	5,000	2,240	6,055	1,185	6-6	6-6	775	775	1,025	1,025	1,450	1,325	1,450	1,325
	5,500	2,430	6,555	1,375	6-6	6-6	550	550	625	625	1,375	1,275	1,375	1,275
	6,000	2,610	7,055	1,555	6-6	6-6	325	325	325	325	1,150	1,150	1,150	1,150
	6,500	2,850	7,555	1,795	6-6	6-6	150	150	150	150	800	800	800	800
	7,000	3,050	8,055	1,995	6-6	6-6	---	---	---	---	500	500	500	500

3.3 Integral sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	---	---
	3,300	2,140	4,355	80	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	---	---
	3,500	2,240	4,555	80	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	---	---
	3,700	2,340	4,755	80	6-6	6-10	1,700	1,575	1,725	1,575	1,725	1,575	---	---
	4,000	2,540	5,055	80	6-6	6-6	1,650	1,525	1,650	1,525	1,650	1,525	---	---
	4,500	2,790	5,555	80	6-6	6-6	1,375	1,350	1,600	1,475	1,600	1,475	---	---
	5,000	3,050	6,055	80	6-6	6-6	925	900	1,125	1,125	1,525	1,400	---	---
	5,500	3,300	6,555	80	6-6	6-6	600	600	800	800	1,475	1,350	---	---
	6,000	3,550	7,055	80	6-6	6-6	375	375	500	500	1,275	1,275	---	---
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	---	---
	3,295	2,140	4,350	1,085	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	---	---
	3,515	2,260	4,570	1,205	6-10	6-10	1,750	1,575	1,750	1,575	1,750	1,575	---	---
	4,030	2,585	5,085	1,530	6-6	6-6	1,650	1,525	1,650	1,525	1,650	1,525	---	---
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	1,700	1,550	1,700	1,575	1,700	1,550	---	---
	4,000	1,890	5,055	835	6-6	6-6	1,650	1,500	1,650	1,525	1,650	1,525	---	---
	4,300	1,990	5,355	935	6-6	6-6	1,575	1,475	1,600	1,475	1,625	1,475	---	---
	4,700	2,140	5,755	1,085	6-6	6-6	1,150	1,125	1,550	1,425	1,550	1,425	---	---
	5,000	2,240	6,055	1,185	6-6	6-6	875	875	1,075	1,075	1,500	1,375	---	---
	5,500	2,430	6,555	1,375	6-6	6-6	600	600	800	800	1,450	1,325	---	---
	6,000	2,610	7,055	1,555	6-6	6-6	375	375	500	500	1,275	1,275	---	---
	6,500	2,850	7,555	1,795	6-6	6-6	---	---	325	325	900	900	---	---
	7,000	3,050	8,055	1,995	6-6	6-6	---	---	---	---	600	600	---	---

4 FG20CN

4.1 Standard forks

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,300	2,140	4,355	80	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,500	2,240	4,555	80	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,700	2,340	4,755	80	6-6	6-10	---	---	2,000	1,800	---	---	---	---
	4,000	2,540	5,055	80	6-6	6-6	---	---	2,000	1,800	---	---	---	---
	4,500	2,790	5,555	80	6-6	6-6	---	---	1,950	1,800	---	---	---	---
	5,000	3,050	6,055	80	6-6	6-6	---	---	1,400	1,400	---	---	---	---
	5,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,000	---	---	---	---	---	---	---	---	---	---	---	---	---
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,295	2,140	4,350	1,085	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,515	2,260	4,570	1,205	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	4,030	2,585	5,085	1,530	6-6	6-6	---	---	2,000	1,800	---	---	---	---
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	---	---	2,000	1,800	---	---	---	---
	4,000	1,890	5,055	835	6-6	6-6	---	---	2,000	1,800	---	---	---	---
	4,300	1,990	5,355	935	6-6	6-6	---	---	1,950	1,800	---	---	---	---
	4,700	2,140	5,755	1,085	6-6	6-6	---	---	1,900	1,750	---	---	---	---
	5,000	2,240	6,055	1,185	6-6	6-6	---	---	1,325	1,325	---	---	---	---
	5,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,000	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	7,000	---	---	---	---	---	---	---	---	---	---	---	---	---

4.2 Hook-on sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	---	---	1,950	1,800	---	---	---	---
	3,300	2,140	4,355	80	6-10	6-10	---	---	1,950	1,800	---	---	---	---
	3,500	2,240	4,555	80	6-10	6-10	---	---	1,925	1,775	---	---	---	---
	3,700	2,340	4,755	80	6-6	6-10	---	---	1,900	1,750	---	---	---	---
	4,000	2,540	5,055	80	6-6	6-6	---	---	1,825	1,700	---	---	---	---
	4,500	2,790	5,555	80	6-6	6-6	---	---	1,775	1,650	---	---	---	---
	5,000	3,050	6,055	80	6-6	6-6	---	---	1,100	1,100	---	---	---	---
	5,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,000	---	---	---	---	---	---	---	---	---	---	---	---	---
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	---	---	1,950	1,800	---	---	---	---
	3,295	2,140	4,350	1,085	6-10	6-10	---	---	1,950	1,800	---	---	---	---
	3,515	2,260	4,570	1,205	6-10	6-10	---	---	1,925	1,775	---	---	---	---
	4,030	2,585	5,085	1,530	6-6	6-6	---	---	1,825	1,700	---	---	---	---
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	---	---	1,875	1,725	---	---	---	---
	4,000	1,890	5,055	835	6-6	6-6	---	---	1,825	1,700	---	---	---	---
	4,300	1,990	5,355	935	6-6	6-6	---	---	1,775	1,650	---	---	---	---
	4,700	2,140	5,755	1,085	6-6	6-6	---	---	1,600	1,600	---	---	---	---
	5,000	2,240	6,055	1,185	6-6	6-6	---	---	1,025	1,025	---	---	---	---
	5,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,000	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	7,000	---	---	---	---	---	---	---	---	---	---	---	---	---

4.3 Integral sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,990	4,055	80	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,300	2,140	4,355	80	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,500	2,240	4,555	80	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,700	2,340	4,755	80	6-6	6-10	---	---	2,000	1,800	---	---	---	---
	4,000	2,540	5,055	80	6-6	6-6	---	---	1,950	1,800	---	---	---	---
	4,500	2,790	5,555	80	6-6	6-6	---	---	1,900	1,750	---	---	---	---
	5,000	3,050	6,055	80	6-6	6-6	---	---	1,125	1,125	---	---	---	---
	5,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,000	---	---	---	---	---	---	---	---	---	---	---	---	---
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,295	2,140	4,350	1,085	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	3,515	2,260	4,570	1,205	6-10	6-10	---	---	2,000	1,800	---	---	---	---
	4,030	2,585	5,085	1,530	6-6	6-6	---	---	1,950	1,800	---	---	---	---
Triplex mast (3FP)	3,700	1,790	4,755	735	6-6	6-6	---	---	2,000	1,800	---	---	---	---
	4,000	1,890	5,055	835	6-6	6-6	---	---	1,950	1,800	---	---	---	---
	4,300	1,990	5,355	935	6-6	6-6	---	---	1,900	1,750	---	---	---	---
	4,700	2,140	5,755	1,085	6-6	6-6	---	---	1,600	1,600	---	---	---	---
	5,000	2,240	6,055	1,185	6-6	6-6	---	---	1,075	1,075	---	---	---	---
	5,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,000	---	---	---	---	---	---	---	---	---	---	---	---	---
	6,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	7,000	---	---	---	---	---	---	---	---	---	---	---	---	---

5 FD/FG20N(3)

5.1 Standard forks

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,995	4,055	100	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,300	2,145	4,355	100	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,500	2,245	4,555	100	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,700	2,345	4,755	100	6-6	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,000	2,545	5,055	100	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,500	2,795	5,555	100	6-6	6-6	1,950	1,800	2,000	1,800	1,950	1,800	2,000	1,800
	5,000	3,065	6,055	100	6-6	6-6	1,750	1,750	1,950	1,750	1,900	1,750	1,950	1,750
	5,500	3,315	6,555	100	6-6	6-6	1,350	1,350	1,800	1,700	1,850	1,700	1,850	1,700
	6,000	3,565	7,055	100	6-6	6-6	950	950	1,250	1,250	1,800	1,650	1,800	1,650
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,295	2,145	4,350	1,090	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,515	2,265	4,585	1,210	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,030	2,590	5,075	1,535	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
Triplex mast (3FP)	3,700	1,795	4,755	740	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,000	1,895	5,055	840	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,300	1,995	5,355	940	6-6	6-6	1,950	1,800	2,000	1,800	1,950	1,800	2,000	1,800
	4,700	2,145	5,755	1,090	6-6	6-6	1,900	1,750	1,950	1,800	1,900	1,750	1,950	1,800
	5,000	2,245	6,055	1,190	6-6	6-6	1,750	1,700	1,900	1,750	1,850	1,700	1,900	1,750
	5,500	2,415	6,555	1,360	6-6	6-6	1,300	1,300	1,800	1,700	1,800	1,650	1,800	1,700
	6,000	2,585	7,055	1,530	6-6	6-6	950	950	1,250	1,250	1,750	1,600	1,750	1,600
	6,500	2,795	7,555	1,740	6-6	6-6	650	650	900	900	1,650	1,500	1,650	1,500
	7,000	3,065	8,055	2,010	6-6	6-6	400	400	600	600	1,250	1,250	1,250	1,250

5.2 Hook-on sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
							500	600	500	600	500	600	500	600
					SD	DD	[kg]							
Simplex mast (2SP)	3,000	1,995	4,055	100	6-10	6-10	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	3,300	2,145	4,355	100	6-10	6-10	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	3,500	2,245	4,555	100	6-10	6-10	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	3,700	2,345	4,755	100	6-6	6-10	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	4,000	2,545	5,055	100	6-6	6-6	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	4,500	2,795	5,555	100	6-6	6-6	1,850	1,750	1,900	1,750	1,900	1,750	1,900	1,750
	5,000	3,065	6,055	100	6-6	6-6	1,600	1,600	1,850	1,700	1,800	1,650	1,850	1,700
	5,500	3,315	6,555	100	6-6	6-6	1,100	1,100	1,550	1,550	1,700	1,600	1,700	1,600
	6,000	3,565	7,055	100	6-6	6-6	750	750	1,050	1,050	1,650	1,550	1,650	1,550
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	3,295	2,145	4,350	1,090	6-10	6-10	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	3,515	2,265	4,585	1,210	6-10	6-10	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	4,030	2,590	5,075	1,535	6-6	6-6	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
Triplex mast (3FP)	3,700	1,795	4,755	740	6-6	6-6	1,950	1,800	1,950	1,800	1,950	1,800	1,950	1,800
	4,000	1,895	5,055	840	6-6	6-6	1,900	1,750	1,950	1,800	1,900	1,750	1,950	1,800
	4,300	1,995	5,355	940	6-6	6-6	1,850	1,750	1,900	1,750	1,850	1,750	1,900	1,750
	4,700	2,145	5,755	1,090	6-6	6-6	1,800	1,650	1,850	1,700	1,800	1,650	1,850	1,700
	5,000	2,245	6,055	1,190	6-6	6-6	1,500	1,500	1,800	1,650	1,750	1,650	1,800	1,650
	5,500	2,415	6,555	1,360	6-6	6-6	1,100	1,100	1,550	1,550	1,700	1,550	1,700	1,550
	6,000	2,585	7,055	1,530	6-6	6-6	750	750	1,050	1,050	1,600	1,500	1,600	1,500
	6,500	2,795	7,555	1,740	6-6	6-6	500	500	650	650	1,400	1,400	1,400	1,400
	7,000	3,065	8,055	2,010	6-6	6-6	250	250	400	400	950	950	950	950

5.3 Integral sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,995	4,055	100	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,300	2,145	4,355	100	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,500	2,245	4,555	100	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,700	2,345	4,755	100	6-6	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,000	2,545	5,055	100	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,500	2,795	5,555	100	6-6	6-6	1,950	1,750	1,950	1,800	1,900	1,750	1,950	1,800
	5,000	3,065	6,055	100	6-6	6-6	1,600	1,600	1,900	1,750	1,850	1,700	1,900	1,750
	5,500	3,315	6,555	100	6-6	6-6	1,150	1,100	1,550	1,550	1,800	1,650	1,800	1,650
	6,000	3,565	7,055	100	6-6	6-6	800	750	1,050	1,050	1,700	1,600	1,700	1,600
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,295	2,145	4,350	1,090	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	3,515	2,265	4,585	1,210	6-10	6-10	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,030	2,590	5,075	1,535	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
Triplex mast (3FP)	3,700	1,795	4,755	740	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,000	1,895	5,055	840	6-6	6-6	2,000	1,800	2,000	1,800	2,000	1,800	2,000	1,800
	4,300	1,995	5,355	940	6-6	6-6	1,950	1,750	1,950	1,800	1,900	1,750	1,950	1,800
	4,700	2,145	5,755	1,090	6-6	6-6	1,900	1,700	1,900	1,750	1,850	1,700	1,900	1,750
	5,000	2,245	6,055	1,190	6-6	6-6	1,550	1,550	1,850	1,700	1,800	1,650	1,850	1,700
	5,500	2,415	6,555	1,360	6-6	6-6	1,150	1,100	1,550	1,550	1,750	1,600	1,750	1,600
	6,000	2,585	7,055	1,530	6-6	6-6	800	750	1,050	1,050	1,700	1,550	1,700	1,550
	6,500	2,795	7,555	1,740	6-6	6-6	550	550	700	700	1,550	1,500	1,550	1,500
	7,000	3,065	8,055	2,010	6-6	6-6	350	300	450	450	1,150	1,150	1,150	1,150

6 FD/FG25N(3)

6.1 Standard forks

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,995	4,055	100	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,300	2,145	4,355	100	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,500	2,245	4,555	100	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,700	2,345	4,755	100	6-6	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,000	2,545	5,055	100	6-6	6-6	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,500	2,795	5,555	100	6-6	6-6	2,250	2,250	2,500	2,250	2,450	2,250	2,500	2,250
	5,000	3,065	6,055	100	6-6	6-6	1,750	1,750	2,400	2,200	2,350	2,150	2,400	2,200
	5,500	3,315	6,555	100	6-6	6-6	1,350	1,350	1,800	1,800	2,250	2,100	2,250	2,100
	6,000	3,565	7,055	100	6-6	6-6	950	950	1,250	1,250	2,150	2,000	2,150	2,000
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,295	2,145	4,355	1,090	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,515	2,265	4,585	1,210	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,030	2,590	5,075	1,535	6-6	6-6	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
Triplex mast (3FP)	3,700	1,795	4,755	740	6-6	6-6	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,000	1,895	5,055	840	6-6	6-6	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,300	1,995	5,355	940	6-6	6-6	2,450	2,250	2,500	2,250	2,450	2,250	2,500	2,250
	4,700	2,145	5,755	1,090	6-6	6-6	2,150	2,150	2,400	2,250	2,350	2,150	2,400	2,250
	5,000	2,245	6,055	1,190	6-6	6-6	1,750	1,750	2,350	2,200	2,300	2,100	2,350	2,200
	5,500	2,415	6,555	1,360	6-6	6-6	1,300	1,300	1,800	1,800	2,200	2,000	2,200	2,000
	6,000	2,585	7,055	1,530	6-6	6-6	950	950	1,250	1,250	2,100	1,950	2,100	1,950
	6,500	2,795	7,555	1,740	6-6	6-6	650	650	900	900	1,750	1,750	1,750	1,750
	7,000	3,065	8,055	2,010	6-6	6-6	400	400	600	600	1,250	1,250	1,250	1,250

6.2 Hook-on sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,995	4,055	100	6-10	6-10	2,400	2,250	2,400	2,250	2,400	2,250	2,400	2,250
	3,300	2,145	4,355	100	6-10	6-10	2,400	2,250	2,400	2,250	2,400	2,250	2,400	2,250
	3,500	2,245	4,555	100	6-10	6-10	2,400	2,250	2,400	2,250	2,400	2,250	2,400	2,250
	3,700	2,345	4,755	100	6-6	6-10	2,400	2,200	2,400	2,250	2,400	2,200	2,400	2,250
	4,000	2,545	5,055	100	6-6	6-6	2,300	2,150	2,350	2,200	2,300	2,150	2,350	2,200
	4,500	2,795	5,555	100	6-6	6-6	2,250	2,100	2,300	2,100	2,250	2,100	2,300	2,100
	5,000	3,065	6,055	100	6-6	6-6	1,600	1,600	2,200	2,050	2,150	2,000	2,200	2,050
	5,500	3,315	6,555	100	6-6	6-6	1,100	1,100	1,550	1,550	2,050	1,950	2,050	1,950
	6,000	3,565	7,055	100	6-6	6-6	750	750	1,050	1,050	2,000	1,850	2,000	1,850
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	2,400	2,250	2,400	2,250	2,400	2,250	2,400	2,250
	3,295	2,145	4,355	1,090	6-10	6-10	2,400	2,250	2,400	2,250	2,400	2,250	2,400	2,250
	3,515	2,265	4,585	1,210	6-10	6-10	2,400	2,250	2,400	2,250	2,400	2,250	2,400	2,250
	4,030	2,590	5,075	1,535	6-6	6-6	2,300	2,150	2,350	2,200	2,300	2,150	2,350	2,200
Triplex mast (3FP)	3,700	1,795	4,755	740	6-6	6-6	2,350	2,150	2,350	2,200	2,350	2,200	2,350	2,200
	4,000	1,895	5,055	840	6-6	6-6	2,300	2,150	2,350	2,150	2,300	2,150	2,350	2,150
	4,300	1,995	5,355	940	6-6	6-6	2,250	2,100	2,300	2,100	2,250	2,100	2,300	2,100
	4,700	2,145	5,755	1,090	6-6	6-6	1,900	1,900	2,200	2,050	2,150	2,000	2,200	2,050
	5,000	2,245	6,055	1,190	6-6	6-6	1,500	1,500	2,150	2,000	2,100	1,950	2,150	2,000
	5,500	2,415	6,555	1,360	6-6	6-6	1,100	1,100	1,550	1,550	2,050	1,900	2,050	1,900
	6,000	2,585	7,055	1,530	6-6	6-6	750	750	1,050	1,050	1,950	1,800	1,950	1,800
	6,500	2,795	7,555	1,740	6-6	6-6	500	500	650	650	1,400	1,400	1,400	1,400
	7,000	3,065	8,055	2,010	6-6	6-6	250	250	400	400	950	950	950	950

6.3 Integral sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	1,995	4,055	100	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,300	2,145	4,355	100	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,500	2,245	4,555	100	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,700	2,345	4,755	100	6-6	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,000	2,545	5,055	100	6-6	6-6	2,450	2,250	2,500	2,250	2,450	2,250	2,500	2,250
	4,500	2,795	5,555	100	6-6	6-6	2,250	2,200	2,400	2,250	2,400	2,200	2,400	2,250
	5,000	3,065	6,055	100	6-6	6-6	1,600	1,600	2,250	2,150	2,300	2,100	2,300	2,150
	5,500	3,315	6,555	100	6-6	6-6	1,150	1,100	1,550	1,550	2,200	2,050	2,200	2,050
	6,000	3,565	7,055	100	6-6	6-6	800	750	1,050	1,050	2,100	1,950	2,100	1,950
Duplex mast (2FP)	3,000	1,995	4,055	940	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,295	2,145	4,355	1,090	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	3,515	2,265	4,585	1,210	6-10	6-10	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,030	2,590	5,075	1,535	6-6	6-6	2,450	2,250	2,500	2,250	2,450	2,250	2,500	2,250
Triplex mast (3FP)	3,700	1,795	4,755	740	6-6	6-6	2,500	2,250	2,500	2,250	2,500	2,250	2,500	2,250
	4,000	1,895	5,055	840	6-6	6-6	2,450	2,250	2,450	2,250	2,450	2,250	2,450	2,250
	4,300	1,995	5,355	940	6-6	6-6	2,400	2,200	2,400	2,250	2,400	2,200	2,400	2,250
	4,700	2,145	5,755	1,090	6-6	6-6	1,900	1,900	2,350	2,150	2,300	2,150	2,350	2,150
	5,000	2,245	6,055	1,190	6-6	6-6	1,550	1,550	2,200	2,100	2,250	2,100	2,250	2,100
	5,500	2,415	6,555	1,360	6-6	6-6	1,150	1,100	1,550	1,550	2,150	2,000	2,150	2,000
	6,000	2,585	7,055	1,530	6-6	6-6	800	750	1,050	1,050	2,050	1,950	2,050	1,950
	6,500	2,795	7,555	1,740	6-6	6-6	550	550	700	700	1,600	1,600	1,600	1,600
	7,000	3,065	8,055	2,010	6-6	6-6	350	300	450	450	1,150	1,150	1,150	1,150

7 FD/FG30N(3)

7.1 Standard forks

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h 5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					S D	D D	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	2,015	4,055	95	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,300	2,165	4,355	95	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,500	2,265	4,555	95	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,700	2,365	4,755	95	6-6	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,000	2,565	5,055	95	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,500	2,815	5,555	95	6-6	6-6	2,950	2,700	3,000	2,700	2,950	2,700	3,000	2,700
	5,000	3,115	6,055	95	6-6	6-6	2,850	2,650	2,900	2,700	2,850	2,650	2,900	2,700
	5,500	3,365	6,555	95	6-6	6-6	2,750	2,550	2,800	2,650	2,750	2,550	2,800	2,650
	6,000	3,615	7,055	95	6-6	6-6	2,050	2,050	2,700	2,550	2,400	2,400	2,700	2,550
Duplex mast (2FP)	3,000	2,045	4,055	990	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,295	2,165	4,305	1,110	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,515	2,285	4,545	1,230	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,030	2,610	5,065	1,555	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
Triplex mast (3FP)	3,700	1,815	4,755	760	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,000	1,915	5,055	860	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,300	2,015	5,355	960	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,700	2,165	5,755	1,110	6-6	6-6	2,900	2,700	3,000	2,700	2,900	2,700	3,000	2,700
	5,000	2,265	6,055	1,210	6-6	6-6	2,800	2,600	2,900	2,700	2,800	2,600	2,900	2,700
	5,500	2,435	6,555	1,380	6-6	6-6	2,750	2,550	2,800	2,600	2,750	2,550	2,800	2,600
	6,000	2,605	7,055	1,550	6-6	6-6	2,050	2,050	2,700	2,500	2,400	2,350	2,700	2,500
	6,500	2,815	7,555	1,760	6-6	6-6	1,500	1,500	2,350	2,350	1,750	1,750	2,350	2,350

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h 5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					S D	D D	500	60 0	500	600	500	600	500	600
							[kg]							
	7,000	3,115	8,055	2,060	6-6	6-6	1,050	1,050	1,600	1,600	1,250	1,250	1,600	1,600

7.2 Hook-on sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	2,015	4,055	95	6-10	6-10	2,900	2,700	2,900	2,700	2,900	2,700	2,900	2,700
	3,300	2,165	4,355	95	6-10	6-10	2,900	2,700	2,900	2,700	2,900	2,700	2,900	2,700
	3,500	2,265	4,555	95	6-10	6-10	2,850	2,650	2,900	2,700	2,850	2,650	2,900	2,700
	3,700	2,365	4,755	95	6-6	6-10	2,800	2,600	2,900	2,650	2,800	2,600	2,900	2,650
	4,000	2,565	5,055	95	6-6	6-6	2,750	2,550	2,800	2,600	2,750	2,550	2,800	2,600
	4,500	2,815	5,555	95	6-6	6-6	2,650	2,450	2,700	2,500	2,650	2,450	2,700	2,500
	5,000	3,115	6,055	95	6-6	6-6	2,550	2,350	2,600	2,400	2,550	2,350	2,600	2,400
	5,500	3,365	6,555	95	6-6	6-6	2,400	2,250	2,500	2,350	2,450	2,250	2,500	2,350
Duplex mast (2FP)	6,000	3,615	7,055	95	6-6	6-6	1,600	1,600	2,400	2,250	2,000	2,000	2,400	2,250
	3,000	2,045	4,055	990	6-10	6-10	2,900	2,700	2,900	2,700	2,900	2,700	2,900	2,700
	3,295	2,165	4,305	1,110	6-10	6-10	2,900	2,700	2,900	2,700	2,900	2,700	2,900	2,700
	3,515	2,285	4,545	1,230	6-10	6-10	2,850	2,650	2,900	2,700	2,850	2,650	2,900	2,700
	4,030	2,610	5,065	1,555	6-6	6-6	2,750	2,550	2,800	2,600	2,750	2,550	2,800	2,600
	3,700	1,815	4,755	760	6-6	6-6	2,800	2,600	2,850	2,650	2,800	2,600	2,850	2,650

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Triplex mast (3FP)	4,000	1,915	5,055	860	6-6	6-6	2,700	2,500	2,800	2,600	2,700	2,500	2,800	2,600
	4,300	2,015	5,355	960	6-6	6-6	2,650	2,450	2,700	2,550	2,650	2,450	2,700	2,550
	4,700	2,165	5,755	1,110	6-6	6-6	2,550	2,400	2,650	2,450	2,550	2,400	2,650	2,450
	5,000	2,265	6,055	1,210	6-6	6-6	2,500	2,350	2,600	2,400	2,500	2,350	2,600	2,400
	5,500	2,435	6,555	1,380	6-6	6-6	2,350	2,250	2,500	2,300	2,400	2,250	2,500	2,300
	6,000	2,605	7,055	1,550	6-6	6-6	1,600	1,600	2,400	2,250	2,000	2,000	2,400	2,250
	6,500	2,815	7,555	1,760	6-6	6-6	1,100	1,100	1,850	1,850	1,400	1,400	1,850	1,850
	7,000	3,115	8,055	2,060	6-6	6-6	700	700	1,150	1,150	950	950	1,150	1,150

7.3 Integral sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	2,015	4,055	95	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,300	2,165	4,355	95	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,500	2,265	4,555	95	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,700	2,365	4,755	95	6-6	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,000	2,565	5,055	95	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,500	2,815	5,555	95	6-6	6-6	2,900	2,650	2,900	2,700	2,900	2,650	2,900	2,700
	5,000	3,115	6,055	95	6-6	6-6	2,750	2,550	2,800	2,650	2,800	2,550	2,800	2,650
	5,500	3,365	6,555	95	6-6	6-6	2,300	2,300	2,700	2,550	2,700	2,450	2,700	2,550
	6,000	3,615	7,055	95	6-6	6-6	1,650	1,650	2,600	2,450	2,200	2,200	2,600	2,450
Duplex mast (2FP)	3,000	2,045	4,055	990	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,295	2,165	4,305	1,110	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	3,515	2,285	4,545	1,230	6-10	6-10	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
	4,030	2,610	5,065	1,555	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
Triplex mast (3FP)	3,700	1,815	4,755	760	6-6	6-6	3,000	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,000	1,915	5,055	860	6-6	6-6	2,950	2,700	3,000	2,700	3,000	2,700	3,000	2,700
	4,300	2,015	5,355	960	6-6	6-6	2,900	2,700	2,950	2,700	2,900	2,700	2,950	2,700
	4,700	2,165	5,755	1,110	6-6	6-6	2,800	2,600	2,900	2,650	2,800	2,600	2,900	2,650
	5,000	2,265	6,055	1,210	6-6	6-6	2,750	2,550	2,800	2,600	2,750	2,550	2,800	2,600
	5,500	2,435	6,555	1,380	6-6	6-6	2,300	2,300	2,700	2,500	2,650	2,450	2,700	2,500
	6,000	2,605	7,055	1,550	6-6	6-6	1,650	1,650	2,600	2,400	2,200	2,200	2,600	2,400
	6,500	2,815	7,555	1,760	6-6	6-6	1,250	1,250	1,900	1,900	1,600	1,600	1,900	1,900
	7,000	3,115	8,055	2,060	6-6	6-6	850	850	1,300	1,200	1,150	1,150	1,300	1,200

8 FD/FG35N(3)

8.1 Standard forks

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	2,130	4,055	95	6-10	6-10	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	3,300	2,280	4,355	95	6-10	6-10	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	3,500	2,380	4,555	95	6-10	6-10	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	3,700	2,480	4,755	95	6-6	6-10	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	4,000	2,680	5,055	95	6-6	6-6	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	4,500	2,930	5,555	95	6-6	6-6	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	5,000	3,230	6,055	95	6-6	6-6	3,400	3,100	3,500	3,150	3,400	3,100	3,500	3,150
	5,500	3,480	6,555	95	6-6	6-6	2,850	2,850	3,350	3,100	3,200	3,000	3,350	3,100

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
	6,000	3,730	7,055	95	6-6	6-6	2,050	2,050	3,250	3,000	2,400	2,400	3,250	3,000
Duplex mast (2FP)	3,000	2,180	4,065	1,125	6-10	6-10	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	3,295	2,300	4,355	1,245	6-10	6-10	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	3,515	2,445	4,555	1,390	6-10	6-10	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	4,030	2,765	5,055	1,710	6-6	6-6	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
Triplex mast (3FP)	3,700	1,930	4,755	875	6-6	6-6	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	4,000	2,030	5,055	975	6-6	6-6	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	4,300	2,130	5,355	1,075	6-6	6-6	3,500	3,150	3,500	3,150	3,500	3,150	3,500	3,150
	4,700	2,280	5,755	1,225	6-6	6-6	3,450	3,150	3,500	3,150	3,450	3,150	3,500	3,150
	5,000	2,380	6,055	1,325	6-6	6-6	3,350	3,100	3,450	3,150	3,350	3,100	3,450	3,150
	5,500	2,550	6,555	1,495	6-6	6-6	2,800	2,800	3,300	3,050	3,200	2,900	3,300	3,050
	6,000	2,720	7,055	1,665	6-6	6-6	2,050	2,050	3,200	3,000	2,400	2,400	3,200	3,000
	6,500	2,930	7,555	1,875	6-6	6-6	1,500	1,500	2,350	2,350	1,750	1,750	2,350	2,350
	7,000	3,230	8,055	2,175	6-6	6-6	1,050	1,050	1,600	1,600	1,250	1,250	1,600	1,600

8.2 Hook-on sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	2,130	4,055	95	6-10	6-10	3,400	3,150	3,400	3,150	3,400	3,150	3,400	3,150
	3,300	2,280	4,355	95	6-10	6-10	3,400	3,150	3,400	3,150	3,400	3,150	3,400	3,150
	3,500	2,380	4,555	95	6-10	6-10	3,400	3,150	3,400	3,150	3,400	3,150	3,400	3,150
	3,700	2,480	4,755	95	6-6	6-10	3,350	3,100	3,400	3,150	3,350	3,100	3,400	3,150
	4,000	2,680	5,055	95	6-6	6-6	3,300	3,050	3,350	3,100	3,300	3,050	3,350	3,100
	4,500	2,930	5,555	95	6-6	6-6	3,150	2,950	3,250	3,000	3,150	2,950	3,250	3,000

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
	5,000	3,230	6,055	95	6-6	6-6	3,050	2,850	3,150	2,900	3,050	2,850	3,150	2,900
	5,500	3,480	6,555	95	6-6	6-6	2,400	2,400	3,000	2,800	2,900	2,750	3,000	2,800
	6,000	3,730	7,055	95	6-6	6-6	1,600	1,600	2,800	2,700	2,000	2,000	2,800	2,700
Duplex mast (2FP)	3,000	2,180	4,065	1,125	6-10	6-10	3,400	3,150	3,400	3,150	3,400	3,150	3,400	3,150
	3,295	2,300	4,355	1,245	6-10	6-10	3,400	3,150	3,400	3,150	3,400	3,150	3,400	3,150
	3,515	2,445	4,555	1,390	6-10	6-10	3,400	3,150	3,400	3,150	3,400	3,150	3,400	3,150
	4,030	2,765	5,055	1,710	6-6	6-6	3,300	3,050	3,350	3,100	3,300	3,050	3,350	3,100
Triplex mast (3FP)	3,700	1,930	4,755	875	6-6	6-6	3,350	3,100	3,400	3,150	3,350	3,100	3,400	3,150
	4,000	2,030	5,055	975	6-6	6-6	3,250	3,050	3,350	3,100	3,250	3,050	3,350	3,100
	4,300	2,130	5,355	1,075	6-6	6-6	3,150	2,950	3,250	3,000	3,150	2,950	3,250	3,000
	4,700	2,280	5,755	1,225	6-6	6-6	3,100	2,900	3,150	2,950	3,100	2,900	3,150	2,950
	5,000	2,380	6,055	1,325	6-6	6-6	3,000	2,800	3,100	2,900	3,000	2,800	3,100	2,900
	5,500	2,550	6,555	1,495	6-6	6-6	2,350	2,350	2,950	2,750	2,850	2,700	2,950	2,750
	6,000	2,720	7,055	1,665	6-6	6-6	1,600	1,600	2,800	2,700	2,000	2,000	2,800	2,700
	6,500	2,930	7,555	1,875	6-6	6-6	1,100	1,100	1,850	1,850	1,400	1,400	1,850	1,850
	7,000	3,230	8,055	2,175	6-6	6-6	700	700	1,150	1,150	950	950	1,150	1,150

8.3 Integral sideshifter

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
Simplex mast (2SP)	3,000	2,130	4,055	95	6-10	6-10	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	3,300	2,280	4,355	95	6-10	6-10	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	3,500	2,380	4,555	95	6-10	6-10	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	3,700	2,480	4,755	95	6-6	6-10	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000

	h3 [mm]	h1 [mm]	h4 [mm]	h2/h5 [mm]	Tilt angle F/B [°]		Single drive				Dual drive			
							Pneumatic		Solid		Pneumatic		Solid	
					SD	DD	500	600	500	600	500	600	500	600
							[kg]							
	4,000	2,680	5,055	95	6-6	6-6	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	4,500	2,930	5,555	95	6-6	6-6	3,450	3,000	3,450	3,000	3,450	3,000	3,450	3,000
	5,000	3,230	6,055	95	6-6	6-6	3,300	3,000	3,350	3,000	3,350	3,000	3,350	3,000
	5,500	3,480	6,555	95	6-6	6-6	2,550	2,550	3,200	3,000	3,050	2,950	3,200	3,000
	6,000	3,730	7,055	95	6-6	6-6	1,800	1,750	2,750	2,750	2,200	2,200	2,750	2,750
Duplex mast (2FP)	3,000	2,180	4,065	1,125	6-10	6-10	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	3,295	2,300	4,355	1,245	6-10	6-10	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	3,515	2,445	4,555	1,390	6-10	6-10	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	4,030	2,765	5,055	1,710	6-6	6-6	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
Triplex mast (3FP)	3,700	1,930	4,755	875	6-6	6-6	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	4,000	2,030	5,055	975	6-6	6-6	3,500	3,000	3,500	3,000	3,500	3,000	3,500	3,000
	4,300	2,130	5,355	1,075	6-6	6-6	3,450	3,000	3,450	3,000	3,450	3,000	3,450	3,000
	4,700	2,280	5,755	1,225	6-6	6-6	3,350	3,000	3,400	3,000	3,400	3,000	3,400	3,000
	5,000	2,380	6,055	1,325	6-6	6-6	3,250	3,000	3,350	3,000	3,300	3,000	3,350	3,000
	5,500	2,550	6,555	1,495	6-6	6-6	2,500	2,450	3,200	2,900	3,150	2,900	3,200	2,900
	6,000	2,720	7,055	1,665	6-6	6-6	1,800	1,750	2,750	2,700	2,200	2,200	2,750	2,700
	6,500	2,930	7,555	1,875	6-6	6-6	1,250	1,250	1,900	1,900	1,600	1,600	1,900	1,900
	7,000	3,230	8,055	2,175	6-6	6-6	850	850	1,300	1,200	1,150	1,150	1,300	1,200



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