



# Tiltrotators

TRS10, TRS14, TRS18, TRS23

## Technical Specifications

Not all attachments available in all regions. Consult your Cat® dealer for specific configurations available in your region.

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# Tiltrotators Technical Specifications

## Specifications

Model	Part Number	Top Interface	Bottom Interface	Machine Class, Minimum		Machine Class, Maximum		Weight		Maximum Standard Bucket Capacity		Maximum Bucket Width	
				t	lb	t	lb	kg	lb	m <sup>3</sup>	yd <sup>3</sup>	mm	in
TRS10	516-6765	S60	S60	11	24,250	16	35,274	425	937	0.80	1.05	1600	63
	555-1563	Pin-on	S60	11	24,250	16	35,274	448	988	0.80	1.05	1600	63
	516-6766	Pin-on	S60	11	24,250	16	35,274	470	1036	0.80	1.05	1600	63
	605-4735	HCS60	S60*	11	24,250	16	35,274	491	1082	0.80	1.05	1600	63
	605-4740	Pin-on	HCS60	11	24,250	16	35,274	497	1096	0.80	1.05	1600	63
	605-4732	HCS60	HCS60	11	24,250	16	35,274	500	1102	0.80	1.05	1600	63
	605-4746	Pin-on HF	HCS60	11	24,250	16	35,274	503	1109	0.80	1.05	1600	63
	605-4738	Pin-on	HCS60	11	24,250	16	35,274	520	1146	0.80	1.05	1600	63
	605-4744	Pin-on HF	HCS60	11	24,250	16	35,274	526	1160	0.80	1.05	1600	63
	544-1342	Pin-on	CW-20	11	24,250	16	35,274	545	1201	0.80	1.05	1600	63
	555-1564	Pin-on	CW-20s	11	24,250	16	35,274	556	1226	0.80	1.05	1600	63
	567-0389	CW-20s	CW-20s	11	24,250	16	35,274	566	1248	0.80	1.05	1600	63
	516-6767	Pin-on	CW-20	11	24,250	16	35,274	567	1250	0.80	1.05	1600	63
	516-6768	Pin-on	CW-20s	11	24,250	16	35,274	578	1274	0.80	1.05	1600	63
TRS14	516-6769	S60	S60	14	30,864	19	41,887	540	1190	1.00	1.31	1700	68
	516-6772	Pin-on	S60	14	30,864	19	41,887	575	1268	1.00	1.31	1700	68
	555-1567	Pin-on	S60	14	30,864	19	41,887	575	1268	1.00	1.31	1700	68
	605-4751	HCS60	S60*	14	30,864	19	41,887	611	1347	1.00	1.31	1700	68
	605-4748	HCS60	HCS60	14	30,864	19	41,887	620	1367	1.00	1.31	1700	68
	605-4754	Pin-on	HCS60	14	30,864	19	41,887	623	1373	1.00	1.31	1700	68
	605-4753	Pin-on	HCS60	14	30,864	19	41,887	624	1376	1.00	1.31	1700	68
	605-4755	Pin-on HF	HCS60	14	30,864	19	41,887	629	1387	1.00	1.31	1700	68
	605-4756	Pin-on HF	HCS60	14	30,864	19	41,887	629	1387	1.00	1.31	1700	68
	605-4766	Pin-on	HCS65	14	30,864	19	41,887	664	1464	1.00	1.31	1700	68
	605-4768	Pin-on	HCS65	14	30,864	19	41,887	664	1464	1.00	1.31	1700	68
	567-0391	CW-30s	CW-30s	14	30,864	19	41,887	669	1475	1.00	1.31	1700	68
	605-4770	Pin-on HF	HCS65	14	30,864	19	41,887	669	1475	1.00	1.31	1700	68
	605-4769	Pin-on HF	HCS65	14	30,864	19	41,887	670	1477	1.00	1.31	1700	68
	516-6778	Pin-on	CW-30s	14	30,864	19	41,887	676	1490	1.00	1.31	1700	68
	555-1571	Pin-on	CW-30s	14	30,864	19	41,887	676	1490	1.00	1.31	1700	68
	605-4763	HCS65	S65*	14	30,864	19	41,887	705	1554	1.00	1.31	1700	68
	605-4757	HCS65	HCS65	14	30,864	19	41,887	715	1576	1.00	1.31	1700	68
516-6776	Pin-on	CW-30	14	30,864	19	41,887	722	1592	1.00	1.31	1700	68	
555-1569	Pin-on	CW-30	14	30,864	19	41,887	722	1592	1.00	1.31	1700	68	
567-0390	CW-30	CW-30	14	30,864	19	41,887	736	1623	1.00	1.31	1700	68	

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

HF – Includes High Flow Connection

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# Tiltrotators Technical Specifications

## Specifications (continued)

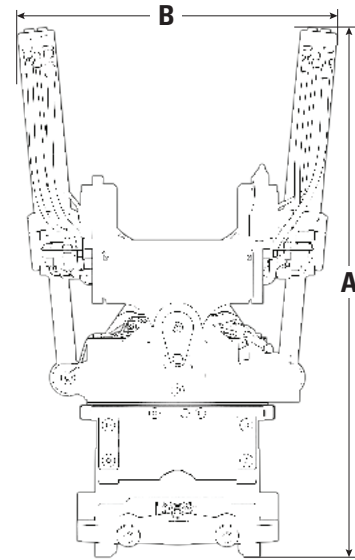
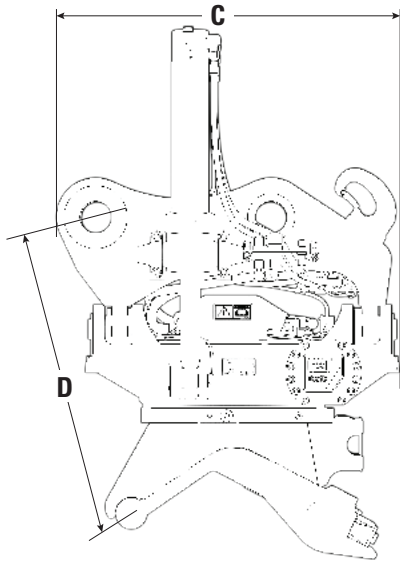
Model	Part Number	Top Interface	Bottom Interface	Machine Class, Minimum		Machine Class, Maximum		Weight		Maximum Standard Bucket Capacity		Maximum Bucket Width	
				t	lb	t	lb	kg	lb	m <sup>3</sup>	yd <sup>3</sup>	mm	in
TRS18	516-6779	S70	S70	18	39,683	24	52,910	666	1468	1.10	1.44	1800	71
	567-0393	CW-30s	CW-30s	18	39,683	24	52,910	681	1501	1.10	1.44	1800	71
	516-6780	Pin-on	S70	18	39,683	24	52,910	682	1503	1.10	1.44	1800	71
	516-6782	Pin-on	CW-30s	18	39,683	24	52,910	715	1576	1.10	1.44	1800	71
	605-4773	Pin-on	HCS70	18	39,683	24	52,910	742	1636	1.10	1.44	1800	71
	567-0392	CW-30	CW-30	18	39,683	24	52,910	748	1649	1.10	1.44	1800	71
	605-4774	Pin-on HF	HCS70	18	39,683	24	52,910	751	1656	1.10	1.44	1800	71
	516-6781	Pin-on	CW-30	18	39,683	24	52,910	761	1678	1.10	1.44	1800	71
	605-4772	HCS70	S70*	18	39,683	24	52,910	774	1706	1.10	1.44	1800	71
	605-4771	HCS70	HCS70	18	39,683	24	52,910	785	1731	1.10	1.44	1800	71
	605-4777	Pin-on	HCS70/55	18	39,683	24	52,910	788	1737	1.10	1.44	1800	71
	605-4778	Pin-on HF	HCS70/55	18	39,683	24	52,910	797	1757	1.10	1.44	1800	71
	605-4776	HCS70/55	S70/55*	18	39,683	24	52,910	843	1858	1.10	1.44	1800	71
	605-4775	HCS70/55	HCS70/55	18	39,683	24	52,910	855	1885	1.10	1.44	1800	71
TRS23	558-8925	S70	S70	23	50,706	32	70,548	800	1764	1.60	2.09	2000	79
	567-6085	Pin-on	S70	23	50,706	32	70,548	862	1900	1.60	2.09	2000	79
	567-6083	CW-40	CW-40	23	50,706	32	70,548	879	1938	1.60	2.09	2000	79
	600-0915	HCS70	S70*	23	50,706	32	70,548	900	1984	1.60	2.09	2000	79
	600-0914	HCS70	HCS70	23	50,706	32	70,548	911	2008	1.60	2.09	2000	79
	567-6087	Pin-on	CW-40	23	50,706	32	70,548	934	2059	1.60	2.09	2000	79
	558-8926	S80	S80	23	50,706	32	70,548	937	2066	1.60	2.09	2000	79
	567-6086	Pin-on	S80	23	50,706	32	70,548	945	2083	1.60	2.09	2000	79
	605-4780	HCS70/55	S70/55*	23	50,706	32	70,548	966	2103	1.60	2.09	2000	79
	605-4779	HCS70/55	HCS70/55	23	50,706	32	70,548	978	2156	1.60	2.09	2000	79
	567-6084	CW-45s	CW-45s	23	50,706	32	70,548	992	2187	1.60	2.09	2000	79
	567-6088	Pin-on	CW-45s	23	50,706	32	70,548	1028	2266	1.60	2.09	2000	79
	605-4782	HCS80	S80*	23	50,706	32	70,548	1102	2456	1.60	2.09	2000	79
	605-4781	HCS80	HCS80	23	50,706	32	70,548	1114	2456	1.60	2.09	2000	79

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

HF – Includes High Flow Connection

# Tiltrotators Technical Specifications

## Dimensions



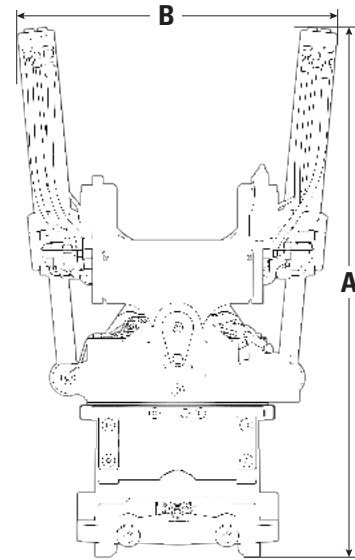
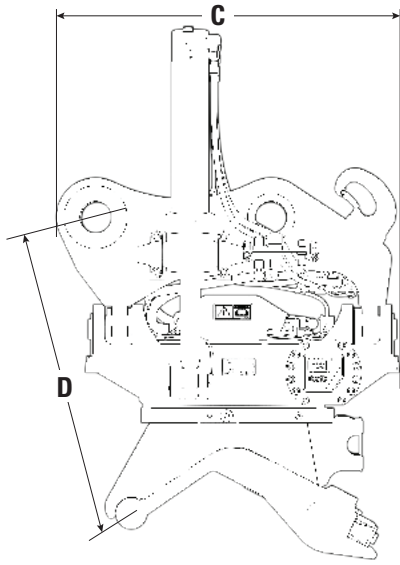
Model	Part Number	Top Interface	Bottom Interface	(A) Total Height		(B) Total Width		(C) Total Length		(D) Building Height	
				mm	in	mm	in	mm	in	mm	in
TRS10	516-6765	S60	S60	1045	41.14	725	28.54	705	27.76	505	19.88
	555-1563	Pin-on	S60	1050	41.34	690	27.17	790	31.10	530	20.87
	516-6766	Pin-on	S60	1030	40.55	895	35.24	805	31.69	540	21.26
	605-4735	HCS60	S60*	1117	43.98	753	29.65	705	27.76	583	22.95
	605-4740	Pin-on	HCS60	1120	44.09	695	27.36	790	31.10	602	23.70
	605-4732	HCS60	HCS60	1117	43.98	753	29.65	705	27.76	583	22.95
	605-4746	Pin-on HF	HCS60	1120	44.09	725	28.54	790	31.10	602	23.70
	605-4738	Pin-on	HCS60	1100	43.31	895	35.24	800	31.50	612	24.09
	605-4744	Pin-on HF	HCS60	1100	43.31	895	35.24	825	32.48	612	24.09
	544-1342	Pin-on	CW-20	1180	46.46	690	27.17	795	31.30	665	26.18
	555-1564	Pin-on	CW-20s	1230	48.43	690	27.17	795	31.30	715	28.15
	567-0389	CW-20s	CW-20s	1209	47.60	892	35.12	801	31.54	695	27.36
	516-6767	Pin-on	CW-20	1160	45.67	895	35.24	805	31.69	675	26.57
	516-6768	Pin-on	CW-20s	1210	47.64	895	35.24	805	31.69	725	28.54

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

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# Tiltrotators Technical Specifications

## Dimensions (continued)



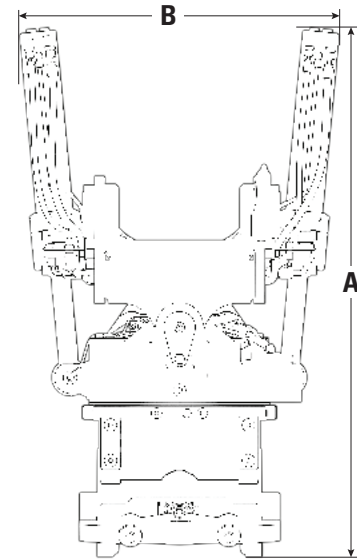
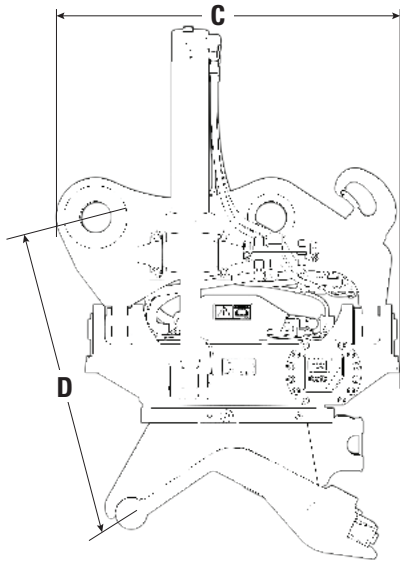
Model	Part Number	Top Interface	Bottom Interface	(A) Total Height		(B) Total Width		(C) Total Length		(D) Building Height	
				mm	in	mm	in	mm	in	mm	in
TRS14	516-6769	S60	S60	1160	45.67	810	31.89	800	31.50	535	21.06
	516-6772	Pin-on	S60	1160	45.67	810	31.89	850	33.46	570	22.44
	555-1567	Pin-on	S60	1160	45.67	810	31.89	850	33.46	570	22.44
	605-4751	HCS60	S60*	1235	48.62	815	32.09	800	31.50	614	24.17
	605-4748	HCS60	HCS60	1235	48.62	815	32.09	800	31.50	614	24.17
	605-4754	Pin-on	HCS60	1235	48.62	815	32.09	850	33.46	643	25.31
	605-4753	Pin-on	HCS60	1235	48.62	815	32.09	850	33.46	643	25.31
	605-4755	Pin-on HF	HCS60	1235	48.62	830	32.68	850	33.46	643	25.31
	605-4756	Pin-on HF	HCS60	1235	48.62	830	32.68	850	33.46	643	25.31
	605-4766	Pin-on	HCS65	1245	49.02	815	32.09	850	33.46	637	25.08
	605-4768	Pin-on	HCS65	1245	49.02	815	32.09	850	33.46	637	25.08
	567-0391	CW-30s	CW-30s	1335	52.56	898	35.35	834	32.83	735	28.94
	605-4770	Pin-on HF	HCS65	1245	49.02	830	32.68	850	33.46	637	25.08
	605-4769	Pin-on HF	HCS65	1245	49.02	830	32.68	850	33.46	637	25.08
	516-6778	Pin-on	CW-30s	1345	52.95	810	31.89	850	33.46	755	29.72
	555-1571	Pin-on	CW-30s	1345	52.95	810	31.89	850	33.46	755	29.72
	605-4763	HCS65	S65*	1235	48.62	975	38.39	800	31.50	626	24.65
	605-4757	HCS65	HCS65	1235	48.62	975	38.39	800	31.50	626	24.65
	516-6776	Pin-on	CW-30	1345	52.95	810	31.89	850	33.46	755	29.72
	555-1569	Pin-on	CW-30	1345	52.95	810	31.89	850	33.46	755	29.72
567-0390	CW-30	CW-30	1322	52.05	1017	40.04	834	32.83	735	28.94	

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

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# Tiltrotators Technical Specifications

## Dimensions (continued)



Model	Part Number	Top Interface	Bottom Interface	(A) Total Height		(B) Total Width		(C) Total Length		(D) Building Height	
				mm	in	mm	in	mm	in	mm	in
TRS18	516-6779	S70	S70	1190	46.85	960	37.80	800	31.50	575	22.64
	567-0393	CW-30s	CW-30s	1339	52.72	903	35.55	834	32.83	735	28.94
	516-6780	Pin-on	S70	1200	47.24	870	34.25	875	34.45	570	22.44
	516-6782	Pin-on	CW-30s	1350	53.15	870	34.25	875	34.45	755	29.72
	605-4773	Pin-on	HCS70	1260	49.61	860	33.86	875	34.45	632	24.88
	567-0392	CW-30	CW-30	1327	52.24	1028	40.47	834	32.83	735	28.94
	605-4774	Pin-on HF	HCS70	1265	49.80	865	34.06	875	34.45	632	24.88
	516-6781	Pin-on	CW-30	1350	53.15	870	34.25	875	34.45	755	29.72
	605-4772	HCS70	S70*	1255	49.41	990	38.98	830	32.68	640	25.20
	605-4771	HCS70	HCS70	1255	49.41	990	38.98	830	32.68	640	25.20
	605-4777	Pin-on	HCS70/55	1260	49.61	860	33.86	880	34.65	632	24.88
	605-4778	Pin-on HF	HCS70/55	1265	49.80	865	34.06	875	34.45	632	24.88
	605-4776	HCS70/55	S70/55*	1230	48.43	1190	46.85	840	33.07	645	25.39
	605-4775	HCS70/55	HCS70/55	1230	48.43	1190	46.85	840	33.07	645	25.39
TRS23	558-8925	S70	S70	1290	50.79	948	37.32	920	36.22	625	24.61
	567-6085	Pin-on	S70	1288	50.71	970	38.19	989	38.94	670	26.38
	567-6083	CW-40	CW-40	1427	56.18	1110	43.70	947	37.28	835	32.87
	600-0915	HCS70	S70*	1360	53.54	950	37.40	920	36.22	697	27.44
	600-0914	HCS70	HCS70	1358	53.46	947	37.28	920	36.22	697	27.44
	567-6087	Pin-on	CW-40	1439	56.65	970	38.19	989	38.94	855	33.66
	558-8926	S80	S80	1310	51.57	1223	48.15	920	36.22	665	26.18
	567-6086	Pin-on	S80	1335	52.56	970	38.19	989	38.94	680	26.77
	605-4780	HCS70/55	S70/55*	1335	52.56	1220	48.03	920	36.22	702	27.64
	605-4779	HCS70/55	HCS70/55	1340	52.76	1220	48.03	920	36.22	702	27.64
	567-6084	CW-45s	CW-45s	1500	59.06	1110	43.70	993	39.09	870	34.25
	567-6088	Pin-on	CW-45s	1512	59.53	970	38.19	989	38.94	885	34.84
	605-4782	HCS80	S80*	1345	52.95	1220	48.03	960	37.80	702	27.64
	605-4781	HCS80	HCS80	1342	52.83	1220	48.03	960	37.80	702	27.64

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

# Tiltrotators Technical Specifications

## Hydraulic Specifications

Model	Turning Torque at 25 Mpa	Turning Torque at 3626 psi	Tilt Torque at 25 Mpa	Turning Torque at 3626 psi	Flow for Rotation Speed	
	N·m	ft·lb	N·m	ft·lb	L/min	gpm
TRS10	7640	5635	38 600	28,470	58	15.32
TRS14	9550	7044	45 100	33,264	72	19.02
TRS18	9550	7044	56 600	41,746	72	19.02
TRS23	11 940	8806	64 700	47,720	79	20.87

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# Tiltrotators Technical Specifications

## Hydraulic Specifications *(continued)*

Model	Part Number	Top Interface	Bottom Interface	Tilt Angle, Left and Right	Rotation Speed, 1 Full Rotation	Working Pressure		Recommended Maximum Oil Flow	
				degrees	seconds	Mpa	psi	L/min	gpm
TRS10	516-6765	S60	S60	40	7	25	3626	95	25.10
	555-1563	Pin-on	S60	40	7	25	3626	95	25.10
	516-6766	Pin-on	S60	40	7	25	3626	95	25.10
	605-4735	HCS60	S60*	40	7	25	3626	91	24.04
	605-4740	Pin-on	HCS60	40	7	25	3626	91	24.04
	605-4732	HCS60	HCS60	40	7	25	3626	91	24.04
	605-4746	Pin-on HF	HCS60	40	7	25	3626	91	24.04
	605-4738	Pin-on	HCS60	40	7	25	3626	91	24.04
	605-4744	Pin-on HF	HCS60	40	7	25	3626	91	24.04
	544-1342	Pin-on	CW-20	40	7	25	3626	95	25.10
	555-1564	Pin-on	CW-20s	40	7	25	3626	95	25.10
	567-0389	CW-20s	CW-20s	40	7	25	3626	95	25.10
	516-6767	Pin-on	CW-20	40	7	25	3626	95	25.10
	516-6768	Pin-on	CW-20s	40	7	25	3626	95	25.10
TRS14	516-6769	S60	S60	40	7	25	3626	104	27.50
	516-6772	Pin-on	S60	40	7	25	3626	104	27.50
	555-1567	Pin-on	S60	40	7	25	3626	104	27.50
	605-4751	HCS60	S60*	40	7	25	3626	111	29.32
	605-4748	HCS60	HCS60	40	7	25	3626	111	29.32
	605-4754	Pin-on	HCS60	40	7	25	3626	111	29.32
	605-4753	Pin-on	HCS60	40	7	25	3626	111	29.32
	605-4755	Pin-on HF	HCS60	40	7	25	3626	111	29.32
	605-4756	Pin-on HF	HCS60	40	7	25	3626	111	29.32
	605-4766	Pin-on	HCS65	40	7	25	3626	111	29.32
	605-4768	Pin-on	HCS65	40	7	25	3626	111	29.32
	567-0391	CW-30s	CW-30s	40	7	25	3626	104	27.50
	605-4770	Pin-on HF	HCS65	40	7	25	3626	111	29.32
	605-4769	Pin-on HF	HCS65	40	7	25	3626	111	29.32
	516-6778	Pin-on	CW-30s	40	7	25	3626	104	27.50
	555-1571	Pin-on	CW-30s	40	7	25	3626	104	27.50
	605-4763	HCS65	S65*	40	7	25	3626	111	29.32
	605-4757	HCS65	HCS65	40	7	25	3626	111	29.32
	516-6776	Pin-on	CW-30	40	7	25	3626	104	27.50
	555-1569	Pin-on	CW-30	40	7	25	3626	104	27.50
567-0390	CW-30	CW-30	40	7	25	3626	104	27.50	

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

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# Tiltrotators Technical Specifications

## Hydraulic Specifications *(continued)*

Model	Part Number	Top Interface	Bottom Interface	Tilt Angle, Left and Right	Rotation Speed, 1 Full Rotation	Working Pressure		Recommended Maximum Oil Flow	
				degrees	seconds	Mpa	psi	L/min	gpm
TRS18	516-6779	S70	S70	40	7	25	3626	114	30.12
	567-0393	CW-30s	CW-30s	40	7	25	3626	114	30.12
	516-6780	Pin-on	S70	40	7	25	3626	114	30.12
	516-6782	Pin-on	CW-30s	40	7	25	3626	114	30.12
	605-4773	Pin-on	HCS70	40	7	25	3626	121	31.96
	567-0392	CW-30	CW-30	40	7	25	3626	114	30.12
	605-4774	Pin-on HF	HCS70	40	7	25	3626	121	31.96
	516-6781	Pin-on	CW-30	40	7	25	3626	114	30.12
	605-4772	HCS70	S70*	40	7	25	3626	121	31.96
	605-4771	HCS70	HCS70	40	7	25	3626	121	31.96
	605-4777	Pin-on	HCS70/55	40	7	25	3626	121	31.96
	605-4778	Pin-on HF	HCS70/55	40	7	25	3626	121	31.96
	605-4776	HCS70/55	S70/55*	40	7	25	3626	121	31.96
	605-4775	HCS70/55	HCS70/55	40	7	25	3626	121	31.96
	TRS23	558-8925	S70	S70	40	7	25	3626	125
567-6085		Pin-on	S70	40	7	25	3626	125	33.02
567-6083		CW-40	CW-40	40	7	25	3626	125	33.02
600-0915		HCS70	S70*	40	8	25	3626	134	35.40
600-0914		HCS70	HCS70	40	8	25	3626	134	35.40
567-6087		Pin-on	CW-40	40	8	25	3626	125	33.02
558-8926		S80	S80	40	8	25	3626	125	33.02
567-6086		Pin-on	S80	40	8	25	3626	125	33.02
605-4780		HCS70/55	S70/55*	40	8	25	3626	134	35.40
605-4779		HCS70/55	HCS70/55	40	8	25	3626	134	35.40
567-6084		CW-45s	CW-45s	40	8	25	3626	125	33.02
567-6088		Pin-on	CW-45s	40	8	25	3626	125	33.02
605-4782		HCS80	S80*	40	8	25	3626	134	35.40
605-4781		HCS80	HCS80	40	8	25	3626	134	35.40

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

# Tiltrotators Technical Specifications

## Machine Matching

Match

No Match

	TRS10	TRS14	TRS18	TRS23
<b>Small Excavators</b>				
313F	✓			
313	✓			
315F	✓			
315	✓			
316F		✓		
317		✓		
318F		✓		
<b>Medium Excavators</b>				
320F			✓	
320			✓	
323F			✓	
323			✓	
325F			✓	
325			✓	
326F				✓
326				✓
330F				✓
330				✓
335F				✓
335				✓
<b>Wheeled Excavators</b>				
M314F	✓			
M314	✓			
M315F	✓			
M315	✓			
M316F		✓		
M316		✓		
M317F		✓		
M317		✓		
M318F		✓		
M318		✓		
M319		✓		
M320F			✓	
M320			✓	
M322F			✓	
M322			✓	

# Tiltrotators Technical Specifications

## Hydromechanical Matching

Match

No Match

Family	Model	TRS10	TRS14	TRS18	TRS23
Demolition and Sorting Grapples	G212 GC	✓	✓		
	G212 GC Fixed CAN	✓	✓		
	G213 GC	✓	✓		
	G213 GC Fixed CAN	✓	✓		
	G217 GC		✓	✓	
	G217 GC Fixed CAN		✓	✓	
Compactors (Vibratory Plate)	CVP75	✓	✓	✓	
	CVP110			✓	✓

# Tiltrotators Technical Specifications

## Bucket Matching and Specifications

Buckets listed below are designed primarily for use with tiltrotators.

Standard style buckets with the correct coupler interface can also be utilized with tiltrotators.

### TRS10

Maximum bucket width: 1,600 mm (63 in)

Part Number	Bucket Interface	Width		Capacity		Weight	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb
<b>Grading</b>							
512-8396	CW-20s	1,500	60	0.65	0.79	512	1129
512-8410	CW-20	1,600	63	0.75	0.98	550	1213
512-8393	S60	1,500	60	0.5	0.65	494	1089
512-8394	S60	1,500	60	0.65	0.79	517	1140
512-8395	S60	1,600	63	0.75	0.98	556	1226
<b>Trenching</b>							
512-8411	CW-20s	540	21	0.35	0.46	327	721
512-8399	CW-20	660	26	0.42	0.55	380	838
512-8397	S60	540	21	0.35	0.46	309	681

### TRS14

Recommended maximum bucket width: 1,700 mm (68 in)

Part Number	Bucket Interface	Width		Capacity		Weight	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb
<b>Grading</b>							
512-8401	CW-30s	1,600	63	0.75	0.98	574	1266
512-8414	CW-30	1,700	68	0.8	1.05	612	1349
512-8395	S60	1,600	63	0.75	0.98	560	1235
<b>Trenching</b>							
512-8411	CW-30s	540	21	0.35	0.46	327	721
512-8399	CW-30	660	26	0.42	0.55	380	838
512-8397	S60	540	21	0.35	0.46	298	657

### TRS18

Maximum bucket width: 1,800 mm (71 in)

Part Number	Bucket Interface	Width		Capacity		Weight	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb
<b>Grading</b>							
514-7843	CW-30	1,800	71	1.1	1.44	785	1731
514-7844	CW-30s	1,800	71	1.1	1.44	774	1707
512-8404	S70	1,800	71	1.1	1.44	798	1760
<b>Trenching</b>							
514-7845	CW-30	660	26	0.55	0.72	506	1116
514-7846	CW-30s	600	24	0.55	0.72	494	1089
512-8406	S70	600	24	0.55	0.72	516	1138

# Tiltrotators Technical Specifications

## Grapple Modules

Grapple modules are optional and do not impact the tiltrotator's machine matches.

Model	Part Number	Top Interface	Bottom Interface	Optional Grapple Module	Retrofit Positioning System Kit (RPS)
TRS10	516-6765	S60	S60	512-3108	540-2979
	555-1563	Pin-on	S60	512-3108	540-2979
	516-6766	Pin-on	S60	512-3108	540-2979
	605-4735	HCS60	S60*	512-3108	540-2979
	605-4740	Pin-on	HCS60	607-1190	540-2979
	605-4732	HCS60	HCS60	607-1190	540-2979
	605-4746	Pin-on HF	HCS60	607-1190	540-2979
	605-4738	Pin-on	HCS60	607-1190	540-2979
	605-4744	Pin-on HF	HCS60	607-1190	540-2979
	544-1342	Pin-on	CW-20		540-2979
	555-1564	Pin-on	CW-20s	518-1507	540-2979
	567-0389	CW-20s	CW-20s	518-1507	540-2979
	516-6767	Pin-on	CW-20		540-2979
	516-6768	Pin-on	CW-20s	518-1507	540-2979
	TRS14	516-6769	S60	S60	512-3108
516-6772		Pin-on	S60	512-3108	540-2979
555-1567		Pin-on	S60	512-3108	540-2979
605-4751		HCS60	S60*	512-3108	540-2979
605-4748		HCS60	HCS60	607-1190	540-2979
605-4754		Pin-on	HCS60	607-1190	540-2979
605-4753		Pin-on	HCS60	607-1190	540-2979
605-4755		Pin-on HF	HCS60	607-1190	540-2979
605-4756		Pin-on HF	HCS60	607-1190	540-2979
605-4766		Pin-on	HCS65	512-3107	540-2979
605-4768		Pin-on	HCS65	512-3107	540-2979
567-0391		CW-30s	CW-30s	518-1507	540-2979
605-4770		Pin-on HF	HCS65	512-3107	540-2979
605-4769		Pin-on HF	HCS65	512-3107	540-2979
516-6778		Pin-on	CW-30s	518-1507	540-2979
555-1571		Pin-on	CW-30s	518-1507	540-2979
605-4763		HCS65	S65*	512-3107	540-2979
605-4757		HCS65	HCS65	512-3107	540-2979
516-6776		Pin-on	CW-30		540-2979
555-1569		Pin-on	CW-30		540-2979
567-0390	CW-30	CW-30		540-2979	

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

(continued on next page)

# Tiltrotators Technical Specifications

## Grapple Modules *(continued)*

Grapple modules are optional and do not impact the tiltrotator's machine matches.

Model	Part Number	Top Interface	Bottom Interface	Optional Grapple Module	Retrofit Positioning System Kit (RPS)
TRS18	516-6779	S70	S70	512-3107	540-2979
	567-0393	CW-30s	CW-30s	518-1507	540-2979
	516-6780	Pin-on	S70	512-3107	540-2979
	516-6782	Pin-on	CW-30s	518-1507	540-2979
	605-4773	Pin-on	HCS70	512-3107	540-2979
	567-0392	CW-30	CW-30	573-5333	540-2979
	605-4774	Pin-on HF	HCS70	512-3107	540-2979
	516-6781	Pin-on	CW-30	573-5333	540-2979
	605-4772	HCS70	S70*	512-3107	540-2979
	605-4771	HCS70	HCS70	512-3107	540-2979
	605-4777	Pin-on	HCS70/55	567-7344	540-2979
	605-4778	Pin-on HF	HCS70/55	567-7344	540-2979
	605-4776	HCS70/55	S70/55*	567-7344	540-2979
	605-4775	HCS70/55	HCS70/55	567-7344	540-2979
TRS23	558-8925	S70	S70	567-7343	540-2979
	567-6085	Pin-on	S70	567-7343	540-2979
	567-6083	CW-40	CW-40	573-5333	540-2979
	600-0915	HCS70	S70*	567-7343	540-2979
	600-0914	HCS70	HCS70	567-7343	540-2979
	567-6087	Pin-on	CW-40	573-5333	540-2979
	558-8926	S80	S80	567-7344	540-2979
	567-6086	Pin-on	S80	567-7344	540-2979
	605-4780	HCS70/55	S70/55*	567-7344	540-2979
	605-4779	HCS70/55	HCS70/55	567-7344	540-2979
	567-6084	CW-45s	CW-45s	567-7245	540-2979
	567-6088	Pin-on	CW-45s	567-7245	540-2979
	605-4782	HCS80	S80*	567-7344	540-2979
	605-4781	HCS80	HCS80	567-7344	540-2979

\* – Bare HCS Bottom (without Valves, Plugs, Cover, etc.)

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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(EU)

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