SWB505 MultiMount™

Right-the-First-Time Integration

Safe, Accurate, Service-Friendly

No Compromise on Safety

SWB505 weigh modules do not compromise on safety - all safety features are on board. Anti-uplift, down-stop protection and 360° checking are incorporated in the weigh module design, to prevent damage in case of accidents.

Right the First Time

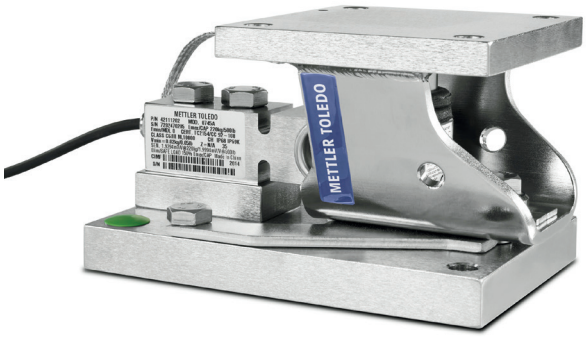
SWB505 MultiMount™ ensures correct scale system installation right from the start, even for dynamic-loading applications such as conveyors, mixers and blenders. Service features, including SafeLock™ provide easy and trouble-free setup.

Accurate Load Cells

The load cells have a rocker-pin design that automatically aligns load forces for accurate weighing. The hermetically sealed load cells are IP68/IP69k rated and can be used in all environments. The load cells are easy to inspect or replace.

Stabilizers

Up to two optional stabilizers can be applied to each weigh module to stabilize a scale subject to heavy vibration, high torque, or in-motion weighing. With stabilizers installed, thermal expansion is still possible, enabling the best weighing performance.



SWB505 MultiMount™
Right the First Time

Key Features:

- Full mechanical safety - anti-uplift protection, down-stop protection and 360° checking
- Ground strap – welding protection
- SafeLock™ – protection during weigh module transportation and installation
- Stainless steel load cells with IP68 / IP69K ratings
- Hazardous approvals with IECEx, ATEX and FM
- OIML C3/NTEP III M n:5 / OIML C6/NTEP III M n:10
- Zinc-plated or stainless steel mounting hardware
- CalFree™: Calibration without test weights
- EN1090 structural safety standard (Europe only)

Content

METTLER TOLEDO

SWB505 MultiMount™ Specifications – Weigh Module

Weigh module		Unit of measure	Specification													
Model No.			SWB505 MultiMount™													
Size			1								2					3
Rated capacity		kg (lb, nominal)	5 (11)	10 (22)	20 (44)	30 (66)	50 (110)	100 (220)	200 (440)	300 (660)	110 (250)	220 (500)	550 (1250)	1100 (2500)	2200 (5000)	4400 (10000)
Max. rated forces [1]																
Max. compressive force, rated		kN (lb)	0.05 (11)	0.1 (22)	0.2 (44)	0.3 (66)	0.5 (110)	1 (220)	2 (440)	3 (660)	1.1 (250)	2.2 (500)	5.6 (1250)	11.1 (2500)	22.2 (5000)	44.5 (10000)
Max. horizontal Force, rated	transverse	kN (lb)	4.5 (1010)								7.5 (1685)					15 (3370)
	longitudinal															
Max. uplift force, rated		kN (lb)	5.5 (1230)								16 (3600)					22.2 (5000)
Max. horizontal force (longitudinal) per stabilizer option, rated [7]		kN (lb)	1.5 (675)								5 (1120)					7.4 (1660)
Max. yield forces [2] [4]																
Max. compressiv force, yield		kN (lb)	0.074 (16.5)	0.15 (33)	0.29 (66)	0.44 (99)	0.74 (165)	1.47 (330)	2.94 (660)	4.4 (990)	1.62 (375)	3.2 (750)	8.1 (1875)	16.2 (3750)	23.3 (5120)	50 (11200)
Max. horizontal Force, yield	transverse	kN (lb)	6.6 (1480)								9.8 (2200)					22 (4950)
	longitudinal															
Max. uplift force, yield		kN (lb)	7.7 (1730)								22 (4950)					34 (7640)
Max. ultimate forces [3] [4]																
Max. compressiv force, ultimate [5]		kN (lb)	65 (14600)								90 (20000)					150 (33000)
Max. horizontal Force, ultimate	transverse	kN (lb)	17 (3800)								42 (9400)					48 (10750)
	longitudinal															
Max. uplift force, ultimate		kN (lb)	22 (4590)								50 (11200)					55 (12350)
Restoring force		%A.L./mm (../in) [6]	7.4 (190)								4.4 (111)					5.5 (140)
Max. top plate travel	transverse	± mm (in)	2.5 (0.10)								3 (0.12)					3.5 (0.14)
	longitudinal [8]															
Weight (including load cell), nominal		kg (lb)	3.8 (8.4)								6.9 (15.2)				7.7 (17)	15.9 (34)
Material			Carbon steel / 304 stainless steel / 316 stainless steel													
Finish			Zinc Plated / electropolished / electropolished													
Shipping dimensions (LxWxH)		cm (in)	28 x 20 x 16.5 (11.02 x 7.87 x 6.50)													37 x 27 x 19 (14.57 x 10.63 x 7.48)
Shipping weight		kg (lb)	4.5 (9.92)								7.5 (16.53)				8.3 (18.30)	17.1 (37.70)

[1] The weigh module is rated for these forces in normal operation, a factor of safety has been applied by METTLER TOLEDO.
[2] Warning: if loaded statically one time in excess of these forces, the weigh module may yield and need replacing.
The Max. yield forces do not consider fatigue/cyclic loading and should be approached only in exceptional circumstances.
[3] Warning: if loaded statically one time in excess of these forces, the weigh module may break with potential for serious injury and/or property damage.
[4] Warning: apply a factor of safety appropriate to the application.
[5] The top plate will travel downwards by 4.2mm @ size 1 , 4.5mm @ size 2 and 3 before the down-stop engages and this ultimate force can be developed.
[6] % of Applied Load (A.L.) per mm (in) displacement of the top plate (transverse & longitudinal).
[7] 1 or 2 per weigh module. Max. permissible longitudinal force per stabilizer.
[8] 0 with stabilizer.

SWB505 MultiMount™ Specifications – Load Cell

Model No.		Unit of measure	MTB								0745A					
Rated capacity (R.C.)		kg (lb, nominal)	5 (11)	10 (22)	20 (44)	30 (66)	50 (110)	100 (220)	200 (441)	300 (661)	110 (250)	220 (500)	550 (1250)	1100 (2500)	2200 (5000)	4400 (10000)
Rated output		mV/V @R.C.-kg	2 ± 0.1%								0.970 ± 0.2%	1.940 ± 0.1%				
		mV/V @R.C.-lb	–								1.000 ± 0.2%	2.000 ± 0.1%				
Combined error [09] [10]		%R.C.	C3: ≤ 0.018 / C6: ≤ 0.012								≤ 0.03	C3: ≤ 0.018 / C6: ≤ 0.012				
Temperature effect on	Min. dead load output	%R.C./°C (../°F)	C3: ≤ 0.001 (0.0006) / C6: ≤ 0.001 (0.0006)								≤0.0027 (0.0015)	C3: ≤ 0.0013 (0.0007) / C6: ≤ 0.0013 (0.0007)				
	Sensitivity [10]	%A.L./°C (../°F)	C3: ≤ 0.001 (0.0006) / C6: ≤ 0.0005 (0.0003)								≤0.0014 (0.0008)	C3: ≤ 0.001 (0.0006) / C6: ≤ 0.0005 (0.0003)				
Temperature range	Compensated	°C (°F)	-10 ~ +40 (+14 ~ +104)								-10 to +40 (+14 to +104)					
	Operating		-40 ~ +65 (-40 ~ +150)								-40 to +65 (-40 to +150)					
	Safe storage		-40 ~ +80 (-40 ~ +176)								-40 to +80 (-40 to +176)					
OIML / European approval [11]	Class		–	C3		C6	C3 / C6				–	C3 / C6				
	nmax			3000		6000	3000 / 6000					3000 / 6000				
	Y			12000								11000				
NTEP approval [11]	Class		III S / III M								–	III M / III M				
	nmax		3000 / 5000									5000 / 10000				
	Vmin	kg (lb)	R.C. / 12000									R.C. / 11000				
ATEX approval [11]	Rating		II 2 G Ex ib IIC T4 Gb / II 2 D Ex ib IIIC T135 °C Db								II 2 G Ex ia IIC T4 Gb / II 2 D Ex ia IIIC T100 °C Db					
			II 3 G Ex ic IIC T4 Gc / II 3 G Ex nA IIC T4 Gc / II 3 G Ex ec IIC T4 Gc / II 3 D Ex tc IIIC T135 °C Dc								II 3 G Ex ic IIC T4 Gc / II 3 G Ex nA IIC T4 Gc / II 3 D Ex tc IIIC T100 °C Dc					
IECEx approval [11]	Number		IECEx DEK 16.0031X								IECEx DEK 15.0017					
	Rating		Ex ib IIC T4 Gb / Ex ib IIIC T135 °C Db / Ex ic IIC T4 Gc / Ex nA IIC T4 Gc / Ex tc IIIC T135 °C Dc								Ex ia IIC T4 Gb / Ex ia IIIC T100 °C Db / Ex ic IIC T4 Gc / Ex nA IIC T4 Gc / Ex ec IIC T4 Gc / Ex tc IIIC T100 °C Dc					
	Entity parameters		Ui = 25V, Ii = 600mA, Pi = 1.25W, Ci = 0.2nF/m, Li = 1µH/m / Un = 25V, Pn = 1.1 W								Ui = 25V, Ii = 600mA, Pi =1.25W, Ci = 5nF, Li = 30µH / Un = 25V, Ii = 50 mA					
Factory mutual approval [11]	Rating, USA		IS / I, II, III / 1 / ABCDEFG / T4								IS / I, II, III / 1 / ABCDEFG / T4					
			NI / I / 2 / ABCD / T6 / S / II, III / 2 / FG / T6								NI / I / 2 / ABCD / T6 / S / II, III / 2 / FG / T6					
	Rating, Canada		IS / I, II, III / 1 / ABCDEFG /T4								IS / I, II, III / 1 / ABCDEFG /T4					
			NI / I / 2 / ABCD / T6 / DIP / II, III / 2 / FG / T6								NI / I / 2 / ABCD / T6 / DIP / II, III / 2 / FG / T6					
Excitation voltage	Recommended	V AC/DC	5~15								C3: 5~15 / C6: 5~10					
	Max.		20								15					
Terminal resistance	Excitation	Ω	≥ 383								384 ± 10					
	Output		350 ± 1								350 ± 2					
Material	Spring element		Stainless steel								Stainless steel					
Protection	Type		Welded								Welded					
	IP rating		IP68 , IP69K								IP68 , IP69K					
	NEMA rating		NEMA 6/6P								NEMA 6/6P					
Weight, nominal		kg (lb)	0.6 (1.3)								0.9 (2)			1.3 (2.9)	2 (4.4)	
Cable length	Lenght	m (ft)	3 / 5 (9.8) / (16.4)								PU: 2 (6.6), 3 (9.8), 5 (16.4), 10 (32.8) / FEP: 3 (9.8), 5 (16.4), 10 (32.8)					
	Diameter	mm (in)	5.8 (0.23)								PU: 5.2 (0.2) / FEP: 5.3 (0.21)					

[09] Error due to the combined effect of non-linearity and hysteresis.
[10] Typical values only. The sum of errors due to combined error and temperature effect on sensitivity comply with the requirements of OIML R60 and NIST HB44.
[11] See certificate for complete information.

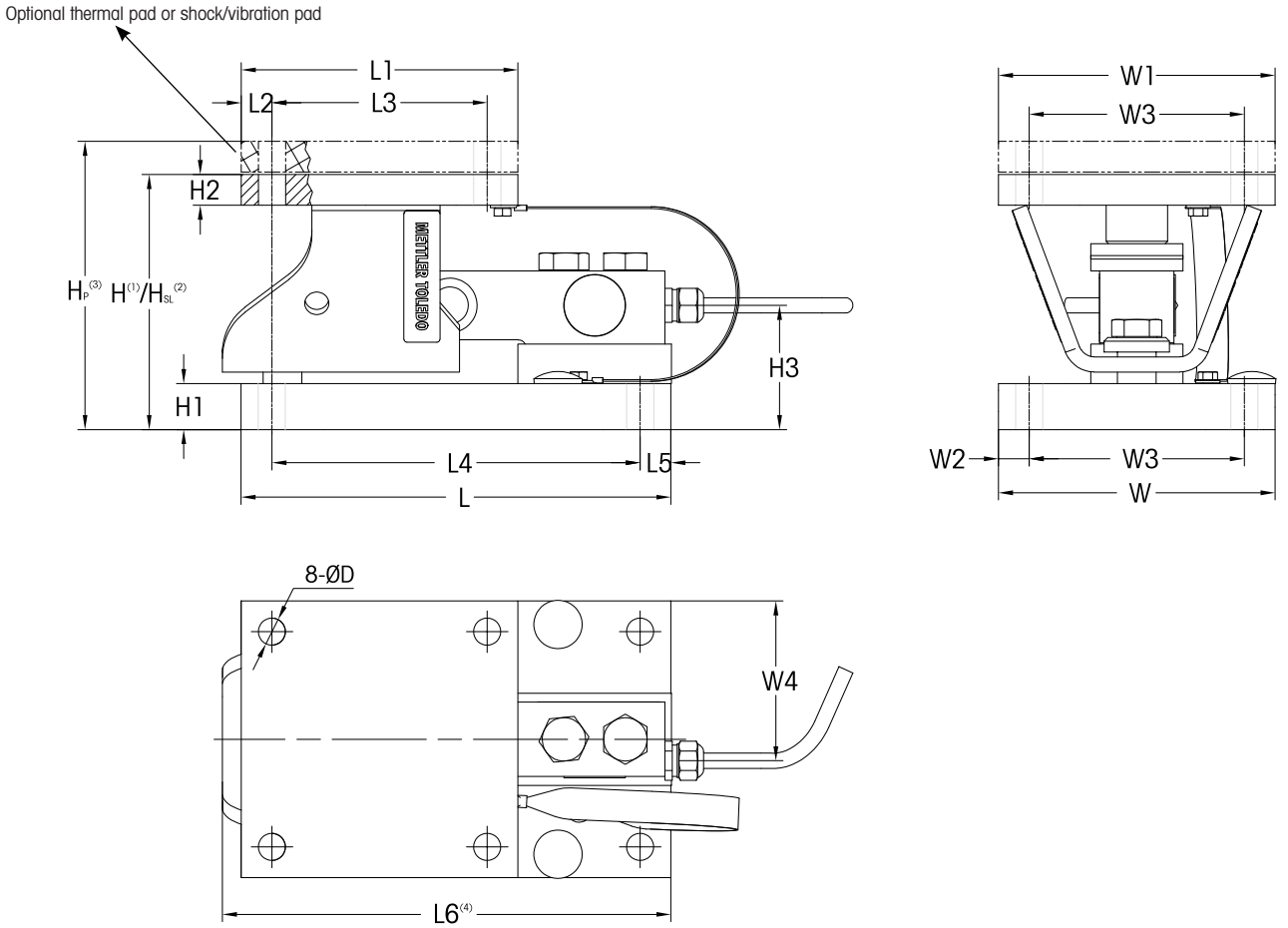
SWB505 MultiMount™ Cable Colour MTB

Colour	Function
Green	+ Excitation
Black	– Excitation
White	+ Signal
Red	– Signal
Yellow	+ Sense
Blue	– Sense
Yellow (long)	Shield

SWB505 MultiMount™ Cable Colour 0745A

Colour	Function
Green	+ Excitation
Black	– Excitation
White	+ Signal
Red	– Signal
Yellow	Shield

SWB505 MultiMount™ Weigh Module Dimensions mm [in]



Size	Capacity	Location and Dimensions																		
		H(1)	H_{SL}(2)	H_P(3)	H1	H2	H3	L	L1	L2	L3	L4	L5	L6	W	W1	W2	W3	W4	D
1	5~300kg (11 ~ 661 lb)	83.9 (3.30)	85.7 (3.37)	109.3 (4.30)	12.7 (0.50)	8.0 (0.3)	41.0 (1.63)	165.0 (6.50)	102.0 (4.02)	10.0 (0.39)	82.0 (3.23)	145.0 (5.71)	10.0 (0.39)	–	102.0 (4.02)	102.0 (4.02)	10.0 (0.39)	82.0 (3.23)	61.5 (2.42)	10.0 (0.39)
2	110 kg -1.1 t (250 lb - 2.5 klb)	105.2 (4.14)	106.8 (4.20)	130.6 (5.14)	19.1 (0.75)	12.7 (0.50)	51.4 (2.02)	177.8 (7.00)	114.4 (4.50)	12.7 (0.50)	89.0 (3.5)	152.4 (6.00)	12.7 (0.50)	185.6 (7.31)	114.4 (4.50)	114.4 (4.50)	12.7 (0.50)	89.0 (3.50)	66.1 (2.60)	11.2 (0.44)
	2.2 t (5 klb)						52.1 (2.05)												68.1 (2.68)	
3	4.4t (10 klb)	136.6 (5.38)	138.1 (5.44)	162.0 (6.38)	25.4 (1.00)	19.1 (0.75)	70.2 (2.76)	235.0 (9.25)	152.4 (6.00)	25.4 (1.00)	101.6 (4.00)	184.2 (7.25)	25.4 (1.00)	–	152.4 (6.00)	152.4 (6.00)	25.4 (1.00)	101.6 (4.00)	90.2 (3.55)	17.5 (0.69)

Note:
1) H Height when activating weigh module by removing SafeLock™ plates
2) H_{SL} Height when shipping or mounting weigh module with SafeLock™ plates
3) H_P Height when using thermal pad or shock/vibration pad
4) L6 This dimension of some Weigh Modules is shorter than L.

SWB505 MultiMount download page, including 2D/3D drawings:
▸ **www.mt.com/ind-downloads-swb505**

MTB load cell download page:
▸ **www.mt.com/ind-downloads-mtb**

0745A load cell download page:
▸ **www.mt.com/ind-download-0745a**

Order Information SWB505 MultiMount™ – Weigh Module with Load Cell

SWB505 MultiMount™ – Weigh Module /
SWB505 MultiMount™ EN1090 – Weigh Module (Europe Only)

Order information, weigh module assembly					Item No.		
					Material		
Size	Rated capacity	Description	Class / description	Cable, material/lenght	CS	304	316
1	5kg / 11lb	Weigh module assembly	0.05%	PVC / 3 m (9.8ft)	**30040372** **30263244**	**30040863** **30263245**	**30040920** **30263246**
	10kg / 22lb		C3 / III s n:3 / III M n:5		**30040373** **30263247**	**30040864** **30263248**	**30040921** **30263249**
	20kg / 44lb		C3 / III s n:3 / III M n:5		**30040374** **30263250**	**30040865** **30263251**	**30040922** **30263252**
	30kg / 66lb		C6		**30219963** **30263440**	**30219968** **30263441**	**30219973** **30263442**
	50kg / 110lb		C3 / III s n:3 / III M n:5		**30040375** **30263253**	**30040866** **30263254**	**30040923** **30263255**
			C6		**30219964** **30263443**	**30219969** **30263444**	**30219974** **30263445**
	100kg / 220lb		C3 / III s n:3 / III M n:5		**30040376** **30263256**	**30040867** **30263257**	**30040924** **30263258**
			C6		**30219965** **30265354**	**30219970** **30265355**	**30219975** **30265356**
	200kg / 440lb		C3 / III s n:3 / III M n:5		**30040861** **30263259**	**30040868** **30263260**	**30040925** **30263261**
			C6		**30219966** **30265357**	**30219971** **30265358**	**30219976** **30265359**
	300kg / 661lb		C3 / III s n:3 / III M n:5		**30040862** **30263262**	**30040869** **30263263**	**30040926** **30263264**
			C6		**30219967** **30265360**	**30219972** **30265361**	**30219977** **30265362**
2	110kg / 250lb	Weigh module assembly	0.03%	PU / 5 m (16.4ft)	**61043206** **30263265**	**61043215** **30263266**	**61046391** **30263267**
	220kg / 500lb		C3 / III M n:5		**61043207** **30263268**	**61043216** **30263269**	**61046392** **30263270**
			C6 / III M n:10		**30096895** **30263283**	**30131902** **30263287**	**30131907** **30263291**
	550kg / 1,250lb		C3 / III M n:5		**61043208** **30263271**	**61043217** **30263272**	**61046393** **30263273**
			C6 / III M n:10		**30096896** **30263284**	**30131903** **30263288**	**30131908** **30263292**
	1100kg / 2,500lb		C3 / III M n:5		**61043209** **30263274**	**61043218** **30263275**	**61046394** **30263276**
			C6 / III M n:10		**30096897** **30263285**	**30131904** **30263289**	**30131909** **30263293**
	2200kg / 5,000lb		C3 / III M n:5		**61043210** **30263277**	**61043219** **30263278**	**61046395** **30263279**
			C6 / III M n:10		**30096898** **30263286**	**30131905** **30263290**	**30131910** **30263294**
3	4400kg / 10,000lb	Weigh module assembly	C3 / III M n:5	PU / 10 m (32.8ft)	**61043211** **30263280**	**61043220** **30263281**	**61046396** **30263282**
			C6 / III M n:10	PU / 10 m (32.8ft)	**30131911** **30263307**	**30131912** **30263308**	**30131913** **30263309**

Bolded entries are stocked

Order Information SWB505 MultiMount™ – Weigh Module without Load Cell

SWB505 MultiMount™ – Weigh Module without Load Cell / SWB505 MultiMount™ EN1090 – Weigh Module without Load Cell (Europe Only)

- SafeLock™ allows installation of weigh module hardware without the load cell to avoid sensor damage
- Combine weigh module with special cable length and cable material
- Use weigh module with dummy load cell for level detection systems

Order information, weigh module kit		Item No.			Suitable load cells							
Size	Rated capacity	Material			Class	Item No.						
						Cable, material/length						Dummy load cell
		CS	304	316			PVC / 3 m (9.8ft)	PVC / 5 m (16.4ft)				
1	5kg / 11lb	**30040927** **30263232**	**30040928** **30263233**	**30040929** **30263234**	0.05%	-	**71209934**	72208033	-	-	-	-	**30025910**
	10kg / 22lb				C3 / III S n:3 / III M n:5		**71209642**	72208034					
	20kg / 44lb				C3 / III S n:3 / III M n:5		**71201556**	72208035					
	30kg / 66lb				C6		**30212721**	30226939					
	50kg / 110lb				C3 / III S n:3 / III M n:5		**71201557**	72208036					
					C6		**30212722**	30226940					
	100kg / 220lb				C3 / III S n:3 / III M n:5		**71201558**	72208037					
					C6		**30212723**	30226941					
	200kg / 440lb				C3 / III S n:3 / III M n:5		**71201559**	72208038					
					C6		**30212724**	30226942					
	300kg / 661lb				C3 / III S n:3 / III M n:5		**71201560**	72208039					
					C6		**30212725**	30226943					
						PU / 2 m (6.6ft)	**PU / 3 m (9.8ft)**	**PU / 5 m (16.4ft)**	**PU / 10 m (32.8ft)**	**FEP / 3 m (9.8ft)**	**FEP / 5 m (16.4ft)**	**FEP / 10 m (32.8ft)**	
2	110kg / 250lb	**61043213** **30263235**	**61043222** **30263236**	**61046397** **30263237**	0.03%	30129790	30129729	**30129791**	30129792	30129793	30129794	30129795	**68000714**
	220kg / 500lb				C3 / III M n:5	30091034	30129604	**30091046**	30094384	42111204	30094412	30094432	
					C6 / III M n:10	30091035	30129605	**30091047**	30094385	42111205	30094413	30094433	
	550kg / 1250lb				C3 / III M n:5	30091038	30129606	**30091050**	30094388	42111224	30094416	30094436	
					C6 / III M n:10	30091039	30129607	**30091051**	30094389	42111225	30094417	30094437	
	1100kg / 2500lb				C3 / III M n:5	30091042	30129608	**30091054**	30094392	42111244	30094420	30094440	
					C6 / III M n:10	30091043	30129609	**30091055**	30094393	42111245	30094421	30094441	
	2200kg / 5000lb	**61046636** **30263238**	**61046637** **30263239**	**61046638** **30263240**	C3 / III M n:5	30091026	30039031	**30039033**	30094396	30094404	30094424	30094444	**61005963**
					C6 / III M n:10	30091027	30039032	**30039034**	30094397	30094405	30094425	30094445	
3	4400kg / 10000lb	**61043214** **30263241**	**61043223** **30263242**	**61046398** **30263243**	C3 / III M n:5	30091030	30039041	30039043	**30094400**	30094408	30094428	30094448	**61005964**
					C6 / III M n:10	30091031	30039042	30039044	**30094401**	30094409	30094429	30094449	

Bolded entries are stocked

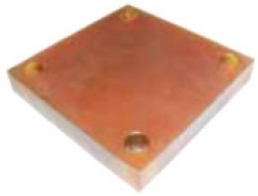
SWB505 MultiMount™ – Weigh Module Accessories

METTLER TOLEDO offers an extensive range of accessories for weighing modules and load cells. Correct installation is thus simplified and the consequences of harmful environmental influences reduced.

Stabilizers

Stabilizers are used to stabilize a scale subject to heavy vibration, high torque, or in-motion weighing. Each weigh module can host one or two stabilizers. With stabilizers installed, thermal expansion is still possible, guaranteeing the best weighing performance. Stabilizers (and weigh modules) shall be installed perpendicular to the direction of thermal expansion/ contraction, for details see the Installation Guide on the product download page.

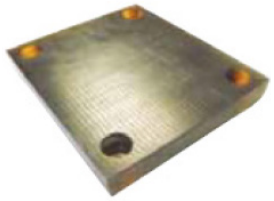
Rated capacity	Item Nr.		
-	Carbon Steel (CS)	304 Stainless Steel	316 Stainless Steel
5-300 kg / 11-661 lb	30040930		30040931
110-2200 kg / 250-5,000 lb	61046399	61046400	61046401
4400 kg / 10,000 lb	61046404	61046405	61046406



Thermal Pads

Thermal pads are used in the case of hot tanks. They protect the load cell from temperature load caused by convection, thereby increasing accuracy and the lifespan of the system.

Rated capacity		Item Nr.
80°C	5-300 kg / 11-661 lb	30040933
	110-2200 kg / 250-5,000 lb	61010620
	4400 kg / 10,000 lb	61010621
170°C	5-300 kg / 11-661 lb	30040935
	110-2200 kg / 250-5,000 lb	61024642
	4400 kg / 10,000 lb	61037510



Shock/Vibration Pad

Shock/vibration pad are used for reducing load peaks in the case of decreasing loads or vibrations. This effect is achieved through the installation of a relatively soft material with high internal damping.

Rated capacity	Item Nr.		
-	Carbon Steel (CS)	304 Stainless Steel	316 Stainless Steel
5-300 kg / 11-661 lb	30040932		
110-2200 kg / 250-5,000 lb	61005965		
4400 kg / 10,000 lb	61005938		

SWB505 MultiMount™ – Weigh Module Accessories

Shim Kit

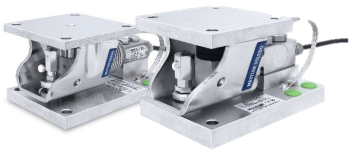
For optimal weigh module alignment thin plates of metal can be used to level the tank scale and evenly distribute the load.
Each Shim Set contains 3x 0.5mm and 3x 1mm plates.

Rated capacity	Item Nr.		
-	Carbon Steel (CS)	304 Stainless Steel	316 Stainless Steel
5-300 kg / 11-661 lb	30693511		
110-2200 kg / 250-5,000 lb	30693512		
4400 kg / 10,000 lb	30693513		

Fixed bearings, dummy weighing cell

Fixed bearings are mechanical clones of weighing modules without movable or active parts. Fixed bearings can be used when monitoring the filling level of liquids. Dummy weighing cells are mechanical clones of the weighing cell without metrological features, therefore also excluding cables. They are used to protect the weighing cells during the installation stage.

Rated capacity	Item Nr.			
-	Carbon Steel (CS)	304 Stainless Steel	316 Stainless Steel	Dummy Cell
5-300 kg / 11-661 lb	30025909	30025913	30025913	30025910
110-1100 kg / 250-2,500 lb	61010624	61046402	61046403	68000714
2200 kg / 5,000 lb	61010625	61046407	61046408	61005963
4400 kg / 10,000 lb				61005964



Mobility Kit

Mobility Kit is designed to protect the load cell during movement of mobile vessels which are common in many industries. The weigh module top plate is lifted with the load cell unloaded for safe movement of mobile tank vessels or reactors. It protects the load cell from shock loads and maintains a consistent weighing performance before and after movement

Mobility Kit can also be used as a service tool to lift top plate and unload the load cell for load cell installation or replacement.

Rated capacity	Item Nr.
5-300 kg/11-661 lb	30801037
110-2,200 kg / 250-5,000 lb	30801038

SWB505 MultiMount™ – Related Products

Precision Junction Boxes

Precision junction boxes connect the load cells and transfer the indicator or transmitter.

Junction Box:
- **www.mt.com/ind-downloads-precision-junctionbox**

Weighing Indicators and Transmitters

METTLER TOLEDO offers a complete family of weighing indicators, controllers and transmitters for applications from simple weighing to filling, stock control, batching, formulation, counting, or checkweighing.

ACT350 Weight Transmitter:
- **www.mt.com/ind-act350**

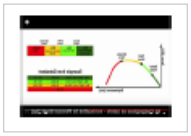
IND360 Automation Indicator:
- **www.mt.com/ind360**

IND570 Industrial Indicator:
- **www.mt.com/ind570**

IND780 Industrial Indicator:
- **www.mt.com/ind780**

Weigh Module Knowledge Base

Weigh Module Proven Safety Video
Watch the video to understand how force ratings are tested and mechanical safety of weigh modules are ensured.
▸ **https://www.youtube.com/watch?v=jmOzLrB9HdA**



Weigh Module Buying Guide
Ensure that you make the proper weigh module selection with the support of our free Weigh Module Buying Guide.
▸ **www.mt.com/ind-wm-buying-guide**

Dos and Don'ts
Discover best practices for weigh module installation and integration in custom scales with straightforward, real-world examples.
▸ **www.mt.com/ind-wm-dos-donts**

Tank Scale Calibration Methods
In this document, we discuss the six common methods to calibrate tank scales and then illustrate each method with practical use cases.

▸ **www.mt.com/ind-tankscalecalibration**

MultiMount Installation Video
Watch the short how-to video for a weigh module installation overview. Details of the SafeLock™ plates and optional stabilizers.
▸ **https://www.youtube.com/watch?v=7a5eJLxWZ2s**

Further Readings

Safety-Related Force Ratings:	**www.mt.com/ind-wp-safety**
Weighing Accuracy in Tank Scales:	**www.mt.com/ind-weighing-accuracy-brochure**
Analog and PowerMount™ Weigh Modules:	**www.mt.com/ind-modern-weigh-modules-WP**
Weigh Module Systems Handbook:	**www.mt.com/ind-system-handbook**
Weightless Tank Scale Calibration:	**www.mt.com/ind-weightless-tank-scale-calibration-WP**
RapidCal™ Tank Scale Calibration:	**www.mt.com/ind-rapidcal**

Service Offering

Explore Our Service Solutions

Maximize the Value of Your Tank Weighing Systems

METTLER TOLEDO helps to increase the value of your tank scales, maximize your equipment lifetime, and protect your investment. Leverage our unique RapidCal™ calibration technology to improve your efficiency, performance, and productivity.

Designing and installing tank weighing systems

RapidCal™ is a fast, hassle-free calibration method for most tank, reactor, hopper, and silo scales. Design your tanks readyfor RapidCal to increase your efficiency during site acceptance tests, and win more business by offering unique benefits to your customer, including minimized downtime for calibration, simplified compliance, and less material waste.

With minimal implementation effort, step-by-step guidance, and technical drawings, you can take your systems to the next level and strengthen your customer relationships.

Operating tank weighing systems

Tank weighing systems in production must be calibrated for quality and compliance at regular intervals.
METTLER TOLEDO's RapidCal™ calibration takes only about one hour to complete and helps you to achieve your sustainability goals because it does not require expensive substitution materials. RapidCal is also available as ISO17025 accredited calibration service in select countries.

Learn more about RapidCal™:
www.mt.com/IND-rapidcal

METTLER TOLEDO Service

Our extensive service network is among the best in the world and ensures maximum availability and service life of your product.

www.mt.com
For more information

METTLER TOLEDO Group
Industrial Division
Local contact: www.mt.com/contacts

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