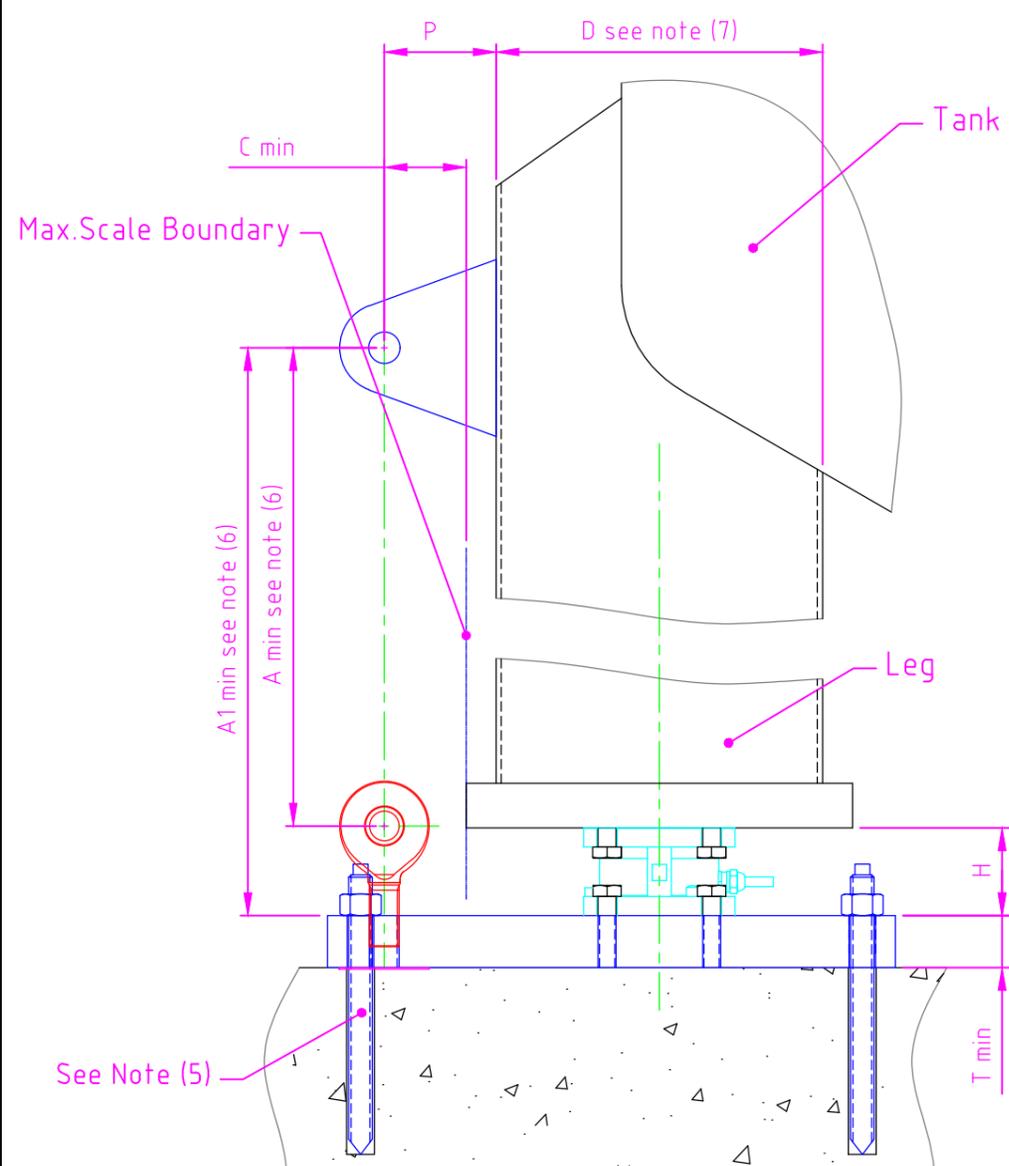


For Models: 0970 / 0970 Redundant RingMount



Dimensions and Locations

Weigh Module Size	RapidCal Capacity	Lug		Leg Outer Dia, see (7)	A1 Min	A Min	C Min	E8	E7	E5	E4	E3	E2	E1	E	T min	B2	B1	B	Anchors see (5)		
		Drawing No.	Dim P																			
Metric, mm																						
1	0.25-5 t	4t	30489501-1	75.0	D	1000	940	55.0	121.0	250.0	22.0	70.0	35.0	=	150.0	=	35.0	M20	18.0	M12	M16	
2	10 t								166.0	350.0	26.0	82.6	35.0									175.0
1	0.25-5 t	8t	30489502-1	85.0		D	1125	1045	65.0	121.0	250.0	22.0	70.0	40.0	P+D/2	150.0	E1+E2+E3	35.0	M30x2 Fine	18.0	M12	M16
2	10 t									166.0	350.0	26.0	82.6	40.0								
Imperial, inches																						
1	0.55-11 klb	4t	30489501-1	2.95	D		39.4	37.0	2.17	4.75	10.00	0.875	2.750	1.375	=	6.00	=	1.38	3/4-10 UNC	0.688	1/2-13 UNC	5/8-11 UNC
2	22 klb					6.53				14.00	1.016	3.250	7.00									
1	0.55-11 klb	8t	30489502-1	3.35		D	44.3	41.1	2.56	4.75	10.00	0.875	2.750	1.563	P+D/2	6.00	E1+E2+E3	1.38	M30x2 Fine	0.688	1/2-13 UNC	5/8-11 UNC
2	22 klb									6.53	14.00	1.016	3.250									

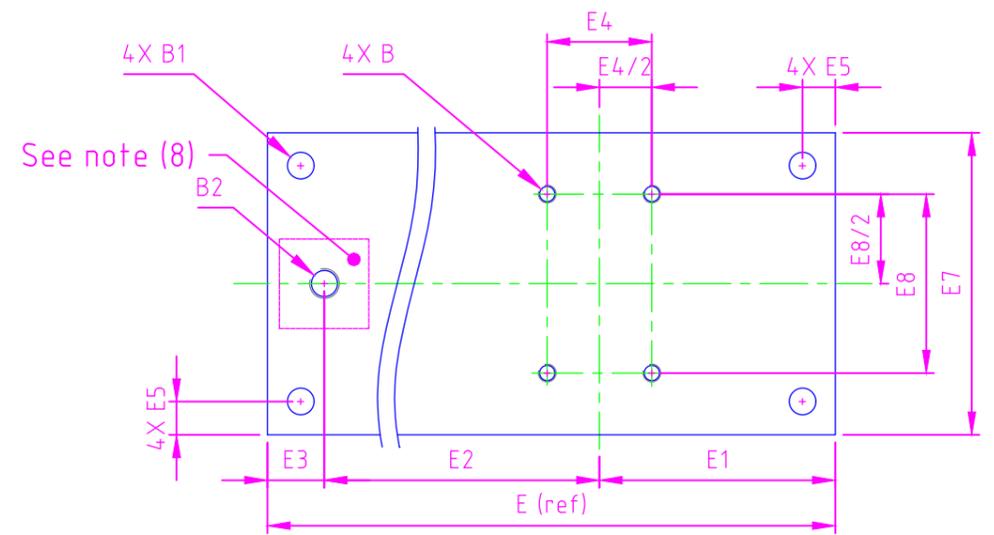
Weigh Module Size	Dimension H (weighing mode)	
	0970	0970 Redundant
1	58.4 [2.30]	89.6 [3.53]
2	99.5 [3.92]	127.8 [5.03]

Notes:

- All information pertaining to METTLER TOLEDO's RapidCal™ shall be treated confidentially.
- RapidCal™ Modules should stand vertically within 0.5 degree when assembled to the tank.
- Sub-plate material is 304/316 stainless steel or material of equivalent strength.
- Sub-plate is subjected to lift-up force during calibration. Refer to Drawings 30489501-5 and 30489502-5 for the forces applied by 4t and 8t RapidCal™ Modules respectively to the sub-plate.

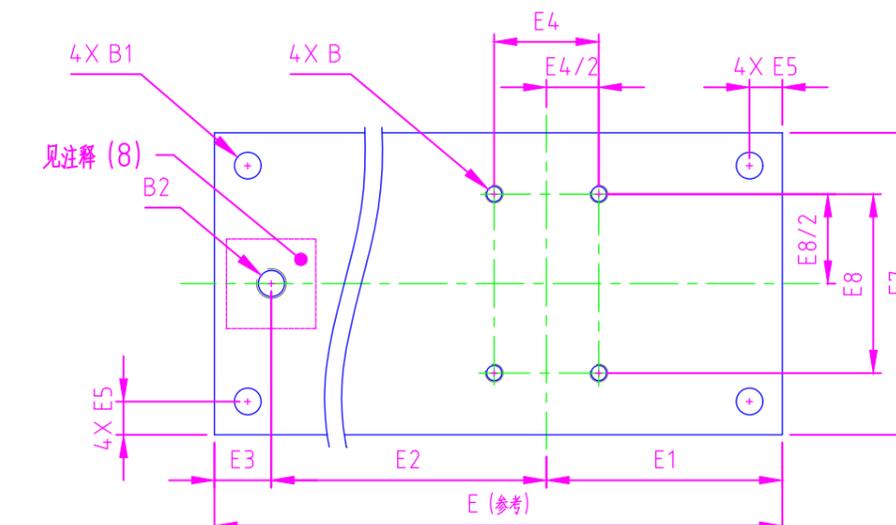
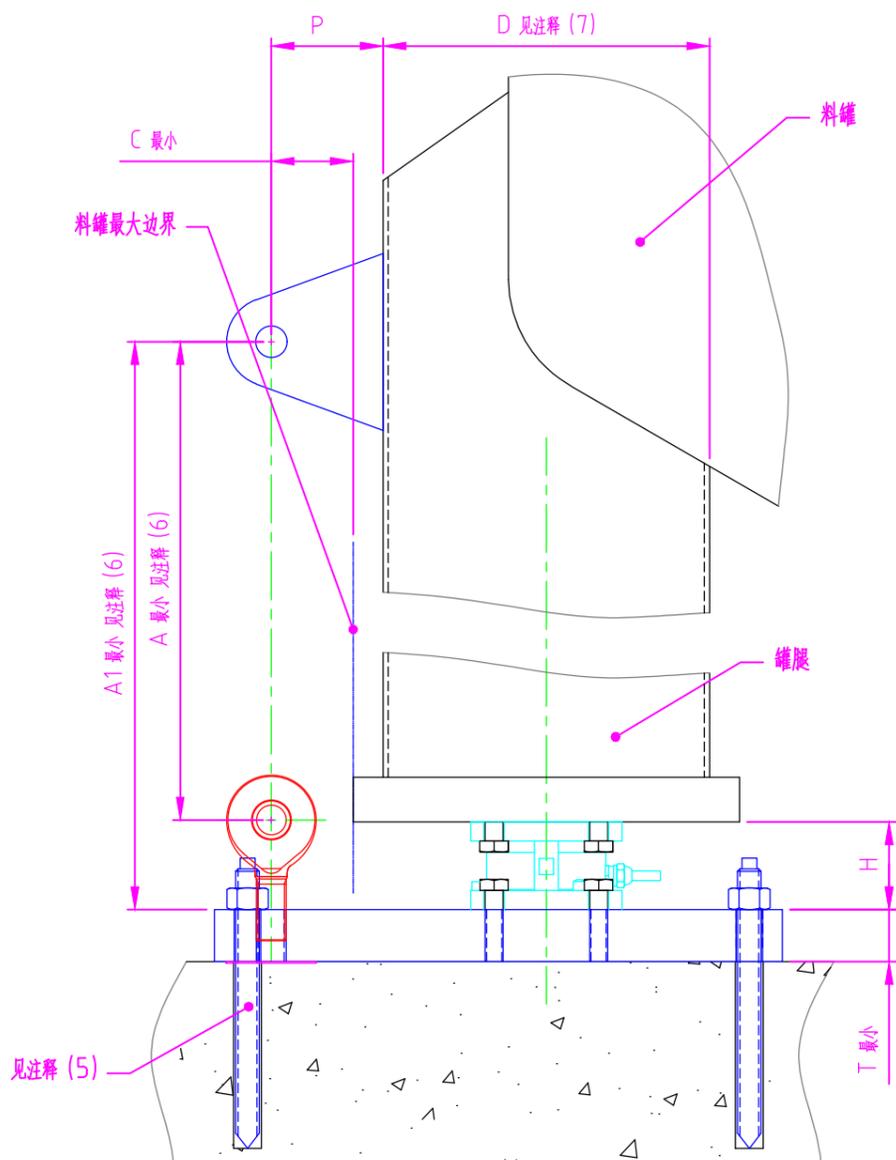
- Use Hilti HAS + HVU2 anchoring system (or equivalent) in accordance with the manufacturer's requirements.
- Consult METTLER TOLEDO for shorter arrangements.
- D is the actual outer diameter of the tank leg.
- Tack-weld a piece of sheet metal, e.g., 50 x 50 x 1 mm [2 x 2 x 1/16 in], to the plate's underside to stop grout welling up in the threaded hole.

Color Key:
 Red: RapidCal™ Equipment
 Black: Tank and foundation
 Blue: Customer Provided
 Cyan: Weigh Module



Metric Tolerance, mm	Length	0.5...3	>3...6	>6...30	>30...120	>120...400	>400	Imperial Tolerance, inches	.X	.XX	.XXX	fraction	
	medium	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8		±0.04	±0.02	±0.010	±1/16	
METTLER TOLEDO								Drawn	wang-722	12/17/2020	Scale		
MTCZ CN-213125 ChangZhou								Change			Format	mt_A3	
Refer to protection notice ISO 16016 / Schutzvermerk ISO 16016 beachten								Note			Replaces		
Description RapidCal-锚固垫板-0990								ERP NO.	RapidCal™ Sub-Plate, 0970 Weigh Module 30650134-1			ERP Rev	A
External Design No.: 30650134-1				External Design Rev.: A				Status: Approved	Mass:	Units:	1/1		

适用于: 0970 / 0970 Redundant RingMount型称 重模块



称重模块		RapidCal	支耳		罐腿直径, 见注释 (7)	A1 最小	A 最小	C 最小	E8	E7	E5	E4	E3	E2	E1	E	T 最小	B2	B1	B	锚栓 见注释 (5)	
Size	额定容量	容量	图纸代号	尺寸 P																		
公制, mm																						
1	0.25-5 t	4t	30489501-1	75.0	D	1000	940	55.0	121.0	250.0	22.0	70.0	35.0	=	150.0	=	35.0	M20	18.0	M12	M16	
2	10 t								166.0	350.0	26.0	82.6	35.0		175.0				22.0	M16	M20	
1	0.25-5 t	8t	30489502-1	85.0		D	1125	1045	65.0	121.0	250.0	22.0	70.0	40.0	P+D/2	150.0	E1+E2+E3	35.0	M30x2 细牙	18.0	M12	M16
2	10 t									166.0	350.0	26.0	82.6	40.0		175.0				22.0	M16	M20
英制, inches																						
1	0.55-11 klb	4t	30489501-1	2.95	D		39.4	37.0	2.17	4.75	10.00	0.875	2.750	1.375	=	6.00	=	1.38	3/4-10 粗牙	0.688	1/2-13 UNC	5/8-11 UNC
2	22 klb					6.53				14.00	1.016	3.250	7.00			1.38				0.813	5/8-11 UNC	3/4-10 UNC
1	0.55-11 klb	8t	30489502-1	3.35		D	44.3	41.1	2.56	4.75	10.00	0.875	2.750	1.563	P+D/2	6.00	E1+E2+E3	1.38	M30x2 细牙	0.688	1/2-13 UNC	5/8-11 UNC
2	22 klb									6.53	14.00	1.016	3.250			7.00				1.50	0.813	5/8-11 UNC

称重模块	尺寸 H (称重状态)	
	0970	0970 Redundant
Size	mm [in]	mm [in]
1	58.4 [2.30]	89.6 [3.53]
2	99.5 [3.92]	127.8 [5.03]

- 注释:
1. 所有与梅特勒-托利多 RapidCal™ 的相关信息均应保密。
 2. RapidCal™ 模块安装到料罐时, 垂直度需在0.5度以内。
 3. 锚固板材料为304/316不锈钢, 或具有同等强度的其他材料。
 4. 锚固板在标定中将承受向上拉力。参考图纸 30489501-5与30489502-5分别获取4t与8t RapidCal™ 模块对锚固板产生的力的信息。
 - (5) 使用喜利得 HAS+HVU2 锚栓系统或类似产品并且遵从制造商要求。
 - (6) 如需获得更短配置的标定模块方案, 请咨询梅特勒-托利多相关人员。
 - (7) D是料罐腿的实际外直径。
 - (8) 为防止水泥灌进锚固板螺孔, 点焊一块金属板, 例如 50x50x1mm [2x2x1/16 in],在锚固板底部。

颜色说明:
 红色: RapidCal™ 设备
 蓝色: 用户提供
 黑色: 料罐和基础
 青色: 称重模块

Metric Tolerance, mm	Length	0.5...3	>3...6	>6...30	>30...120	>120...400	>400	Imperial Tolerance, inches	.X	.XX	.XXX	fraction	
	medium	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8		±0.04	±0.02	±0.010	±1/16	
METTLER TOLEDO								MTCZ		Drawn	wang-722	12/17/2020	Scale
								CN-213125 ChangZhou		Change			Format mt_A3
Refer to protection notice ISO 16016 / Schutzvermerk ISO 16016 beachten								Note				Replaces	
Description RapidCal-锚固垫板-0990								ERP NO.				ERP Rev	
RapidCal™ Sub-Plate, 0970 Weigh Module								30650134-1				A	
External Design No.: 30650134-1				External Design Rev.: A				Status: Approved		Mass:		Units: 1/1	