

## Flexible, heavy goods scales DRF and DSF, for loads up to 12000 kg. You can implement large weighing surfaces by coupling up to 3 modules together.

DRF and DSF Floor/Pit Scales with these clear benefits for you:

- **Economical**  
Favorably priced METTLER TOLEDO quality for every budget thanks to optimized components and efficient production.

- **Rugged with minimal maintenance**  
DRF and DSF scales with strain gauge technology are particularly rugged and durable, exactly right for weighing stations in a harsh industrial environment. You can choose between black enameled or stainless steel versions. Regular cleaning is the only maintenance required.

- **Compatible**  
With ID terminals of the MultiRange line, DRF and DSF scales leave none of your expansion wishes unfulfilled.

- **Plug in and Weigh**  
DRF/DSF scales are partially certified and can be attached to any ID terminal without the need for additional weights.

- **Low overall height**  
DRF 120 mm, DSF 150 mm

- **Easy to service**  
Thanks to the modular construction, the individual modules can be lifted out of the pit for servicing.

- **Variable platform sizes**  
One module: from 1500 x 1500 mm up to 2000 x 2000 mm  
Several modules:  
Width: from 1500 up to 2000 mm  
Length: from > 2000 up to 6000 mm

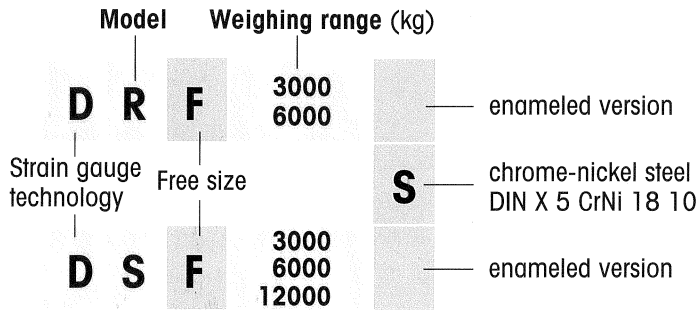
- **Ex versions**  
Standard: Ex or hazard zones 2 and 11, Ex zone 1 can be supplied

A graphic consisting of numerous parallel diagonal lines that create a sense of depth and movement, positioned behind the company name.

**METTLER TOLEDO**

**Order designations**

**Floor/pit scales**



Scale material: black enameled or stainless steel  
 Load plate material: bulb plate or smooth  
 Surfaces: enameled, hot galvanized or stainless steel  
 Degree of protection of load cell: IP67  
 Degree of protection of platform electronics: IP65

Combination versions	1 module		2 modules		3 modules	
	1.5 to 2 m x 1.5 to 2 m		1.5 to 2 m x >2 to 4 m		1.5 to 2 m x >4 to 6 m	
	3000e	Ex	6000e	Ex	3000e	6000e
3000 kg	●	●	●	●	○	○
6000 kg	●	●	●	●	●	○
12000 kg	●	●	●	●	●	●

● possible versions  
 ○ version not possible

		DRF/DSF3000	DRF/DSF6000	DSF12000
<b>Weighing data</b>	Weighing range	3000 kg	6000 kg	12000 kg
	Readability/verific. scale interval	1 kg	2 kg	5 kg
	Readability (not verifiable)	0.2 kg	0.5 kg	1 kg
	Zero setting range (±2%)	60 kg	120 kg	250 kg
	Preload range	600 kg	1200 kg	2400 kg
<b>Taring range</b>	(by subtraction)	from 0 to 3000 kg	from 0 to 6000 kg	from 0 to 12000 kg
<b>Max. safe load</b>	with evenly distributed load	7500/15000 kg	7500/15000 kg	15000 kg
	<b>max. static</b> with side load	5000/10000 kg	5000/10000 kg	10000 kg
	with corner load	2500/5000 kg	2500/5000 kg	5000 kg
<b>Certification data</b>	Accuracy class	III	III	III
	<b>OIML</b> Temperature range	- 10 to + 40 °C	- 10 to + 40 °C	- 10 to + 40 °C
<b>Weigh. accuracy</b>	Repeatability (s)	0.3 kg +/-	0.6 kg +/-	1.2 kg +/-
	Linearity (typ.)	0.4 kg +/-	0.8 kg +/-	1.6 kg +/-

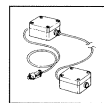
**Measured value generation with ID display unit**

The load is measured with 4, 8 or 12 precision strain gauge weighing cells. The analog-digital electronics are integrated in the platform scale. Connection to terminal via bidirectional data interface IDNet. Connection cable of length 5 m as standard.

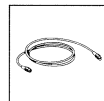
**Measured value processing**

Basic unit: either kg or lb  
 Stabilization time (typ.) less than 2 s  
 Measured value update: 6/s  
 Vibration adapter: choice of 3 settings  
 Weighing process adapter: choice of 4 settings  
 Stability detector: choice of 4 settings

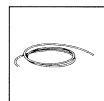
**Optional equipment**



**Cable adapter kit**, comprising two junction boxes for extending connection cable up to 100 m. Box at terminal end with connection cable of length 2.5 m. Order No. 504133



**Connection cable extension** length 10 m, connectors at both ends. For remote location of terminal. Order No. 504134

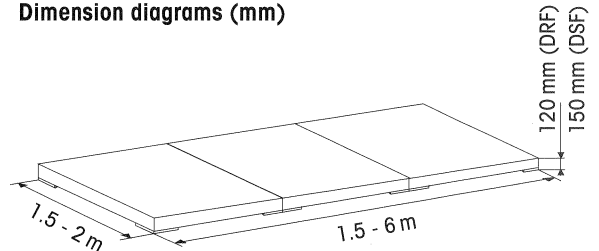


**Special cable on reel**, used with cable adapter kit for extension of connection cable to required length. Order No. 504177

**Load plates and pit frames**

	smooth	bulb plate	
<b>Load plate* enameled</b>	507501	507502	
<b>Load plate* hot galvanized</b>	507503	507504	
<b>Load plate* stainless steel</b>	507505	507506	* 1 module!
	<b>1 module</b>	<b>2 modules</b>	<b>3 modules</b>
<b>Pit frame, hot galvanized</b>	507628	507247	507248
<b>Pit frame, stainless steel</b>	507652	507249	507250

**Dimension diagrams (mm)**



**Quality certificate**

Development, production and testing following ISO9001 (DQS/SQS certificate)



**«Conformité Européenne»**

This symbol offers the assurance that this scale conforms to the latest EU directives and can be supplied ready-certified.

**Sales and service:**

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