

Jack point weighing units for aircraft weighing

JWF 2.0 / 3.0 / 4.0 / 5.0 / 6.0 / 7.0



Factory calibrated
Nominal load per jack point 1000 kg to 50,000 kg
Use of verifiable sensors
Radio transmission and evaluation on the PC

Weighing of
Helicopters
Business and sports aircraft
Commercial and transport aircraft

Designed,
developed and
made in Germany

These portable jack point weighing units allow you to weigh aircraft and helicopters safely and precisely at their jack points.

Jack point weighing units differ in size and load range. They are ideally suited for routine weight and centre of gravity determinations, weight checks after repairs or during modifications of aircraft. All jack point weighing units can be mounted on your jacks with the optional accessories.

By combining several jack point weighing units, you can easily build powerful systems for single load, side load and total aircraft weighing.

A PC connection is used for signal evaluation: This allows up to six weighing units to be networked via a radio link. With the user-friendly aircraft scale software, the measurement data can be displayed, stored and logged or exported into a spreadsheet. This provides you with a simple, efficient and convenient

solution even for the most complex weighing tasks.

Please also note our portable aircraft scales, which weigh your aircraft at the wheels. You can find out more on our website at www.hkm-messtechnik.com.

Technical data

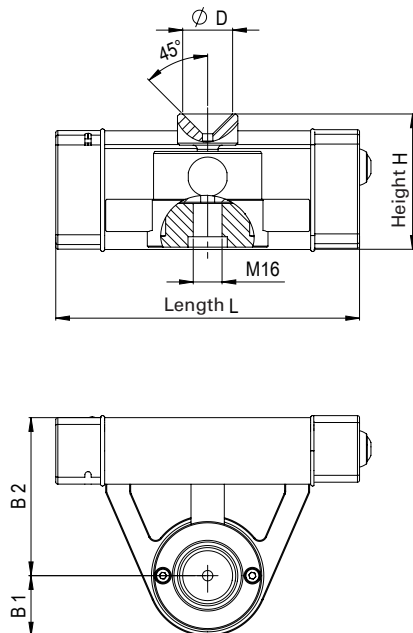
Type	JWF 2.0	JWF 3.0	JWF 4.0	JWF 5.0	JWF 6.0	JWF 7.0
Nominal load	1.000 kg / 2.000 lb	2.000 kg / 4.000 lb	5.000 kg / 10.000 lb	10.000 kg / 20.000 lb	30.000 kg / 60.000 lb	50.000 kg / 100.000 lb
Maximum working load	1.5 x nominal load					
Signal evaluation	PC					
Data transmission	Radio: 2.4 GHz, range up to 50 m					
Sensitivity / display increments*	0.1 kg / 0.1 lb	0.5 kg / 0.5 lb	1 kg / 1 lb	1 kg / 1 lb	5 kg / 5 lb	5 kg / 5 lb
Accuracy	±0.1% f.s.					
Calibration	Factory calibration by HKM-Messtechnik; 1 - 2 annual recalibration recommended					
Operating temperature	-10°C to +40°C					
Storage temperature	-30°C to +70°C					
Supply	integrated batteries (operating time approx. 15 hours), see Accessories					
Weight [kg]	1.1	2.6	4.6	4.6	8.75	14.0
Protection	IP 65					

* other sensitivities on request

Dimensions

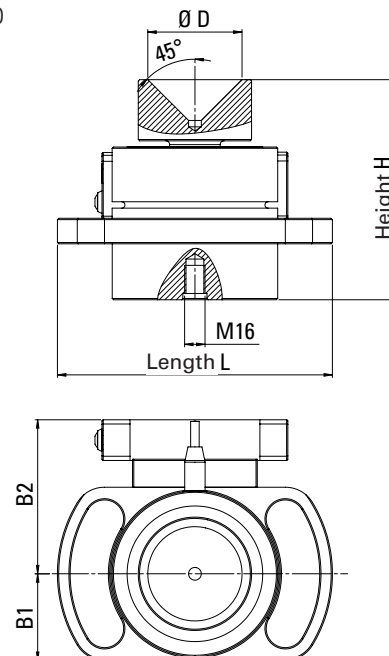
Measurements in mm

JWF 2.0 / 3.0



Type	JWF 2.0	JWF 3.0
Length L [mm]	146	146
Height H [mm]	64	97
B1 [mm]	29	38
B2 [mm]	81	90
D [mm]	24	29

JWF 4.0 - 7.0



Type	JWF 4.0	JWF 5.0	JWF 6.0	JWF 7.0
Length L [mm]	180	180	206	216
Height H [mm]	112	112	135	173
B1 [mm]	49	49	63	68
B2 [mm]	101	101	116	121
D [mm]	53	53	64	74

Overview of accessories for the jack-point-weighing units

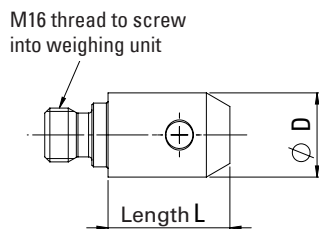
Product		Description	Figure	
Adapter	Cylindrical adapter	used to attach weighing units to the lifting devices	see below	⊙
	Hexagonal adapter			
Signal evaluation	Aircraft scale software 3.0 for PC (evaluation of 1 to 6 jack point weighing units)	Displays all weighing data Preparation of a weighing report › Specification of all loads › Aircraft data › Company data › Date/Time Export to Microsoft Excel Operating systems: Win XP, Vista, 7, 10		●
Power supply		Integrated batteries, charging via plug-in charger power supply for transmitter module RFT 3.0, 110 - 240 V / 12 VDC		●
Radio transmitter module: RFT 3.0, 1x per weighing unit		connected directly to the transducer of the JWF weighing unit		●
Radio receiver: RFR 3.0, 1x per system		USB port		●
Carrying case		for up to 4 JWF weighing units including the adapters and plug-in charger power supplies		○

● requirement | ⊙ requirement / selection | ○ optionally available

Dimensions of adapter

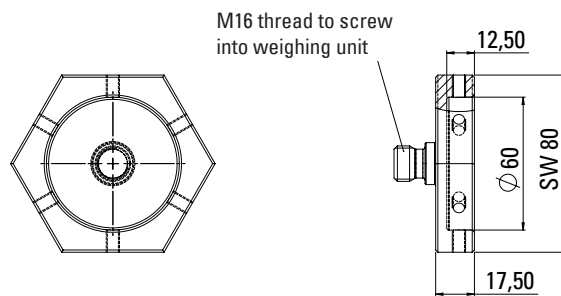
Measurements in mm

Cylindrical adapter



Adapter	1	2	3
Length L [mm]	36.2		
D [mm]	19.0	21.6	25.0

Hexagonal adapter



Application

