

12.2. BDWD/S and BDWD/E for Double Surface Measurement

12.2.1. Mounting

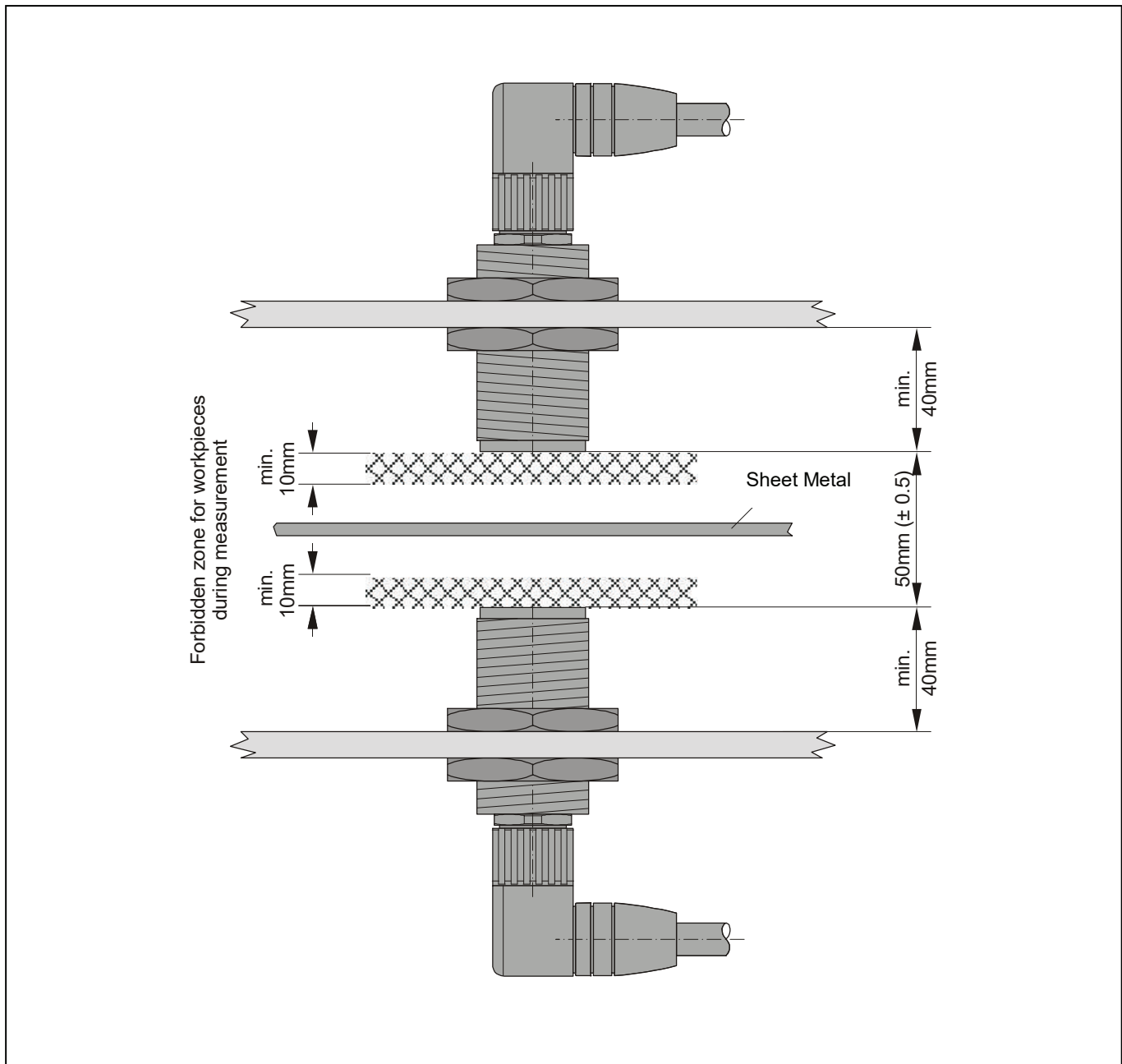
The BDWE/S and BDWD/E sensor pair is to be mounted with a distance of 50 mm between their sensing faces. Mounting must be accomplished so that the workpieces maintain a distance of at least 10 mm from the sensing faces during measurement.

In order to provide maximum measurement accuracy, mounting must be accomplished in such manner that the workpieces will be transported precisely between the transmitter and receiver.

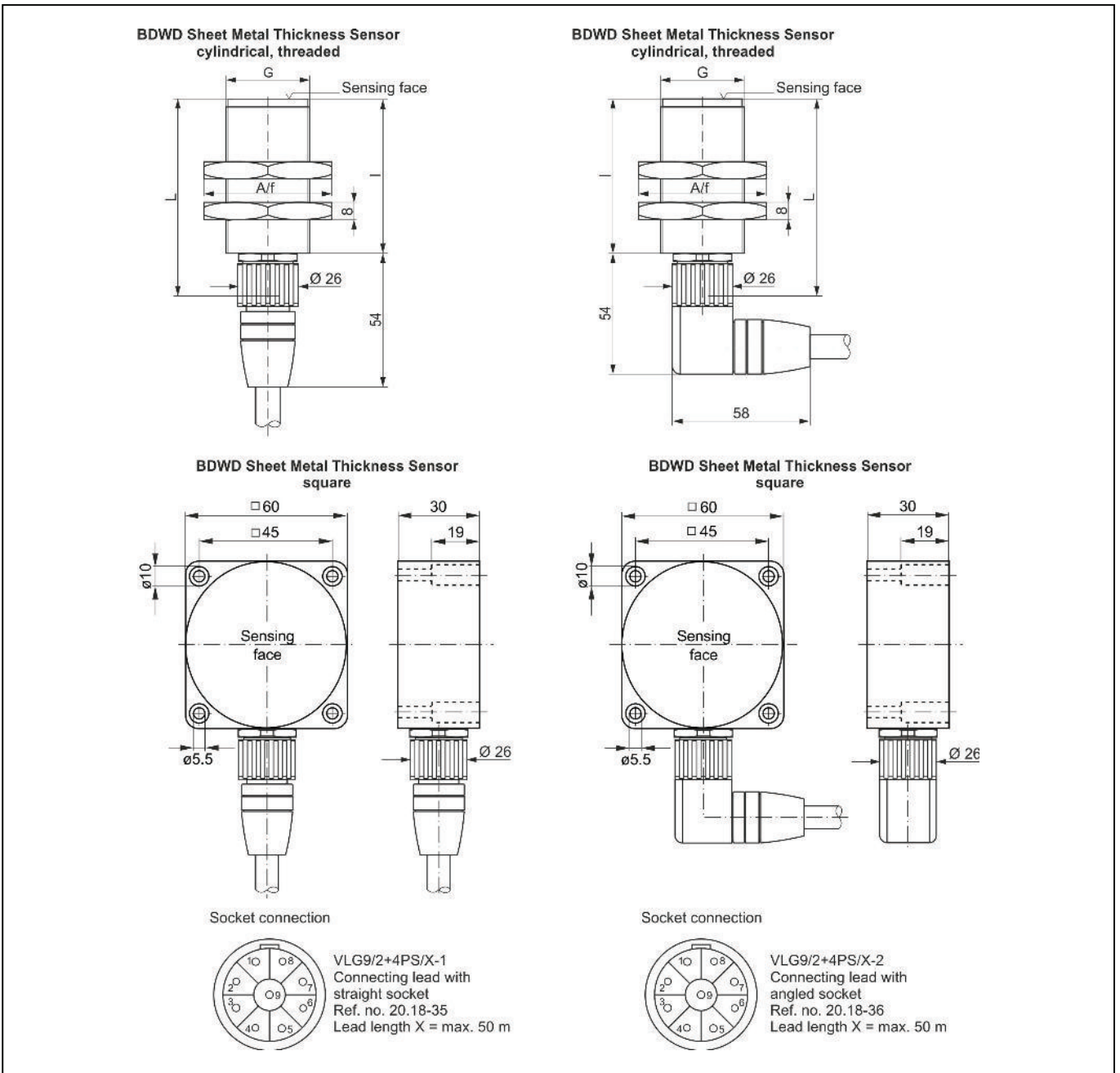
Visual support for the precise mounting procedure is provided in the sensor distance submenu of the Setup Menu. The LC-display informs the operator about the distance between the transmitter and receiver.

The workpieces must be large enough to exceed at least 90 mm over the edges of the sensing faces during the entire measuring interval; otherwise, especially the measurement of thick ferrous workpieces can lead to wrong results or to a reduced measuring range.

>> <<	Indicates that sensor distance is far too large
> <	Indicates that sensor distance is too large
OK	Indicates that sensor distance is correct
<>	Indicates that sensor distance is too small
<< >>	Indicates that sensor distance is far too small



12.2.2. Housing Dimensions BDWD (Fe and NE sheets, double-surface non-contact measurement)



Type	Ref. no.	Meas. range mm		Max. thickness mm		Meas. time ms	L mm	I mm	G Thread	A/f	Weight g
		Ferrous	Non-ferrous	Ferrous	Non-ferrous						
Transmitter BDWD/S-m36rg-1s	13.05-74	0.2 ... 3.5	0.2 ... 20	3.0	6.0	25 ... 200	85	65	M36x1.5	55	250
Receiver BDWD/E-m36rg-1s	13.05-75	0.2 ... 3.5	0.2 ... 20	3.0	6.0	25 ... 200	85	65	M36x1.5	55	250
Transmitter BDWD/S-60aq30-1Y1	13.05-76	0.2 ... 3.5	0.2 ... 20	3.0	6.0	25 ... 200	-	-	-	-	500
Receiver BDWD/E-60aq30-1Y1	13.05-77	0.2 ... 3.5	0.2 ... 20	3.0	6.0	25 ... 200	-	-	-	-	500