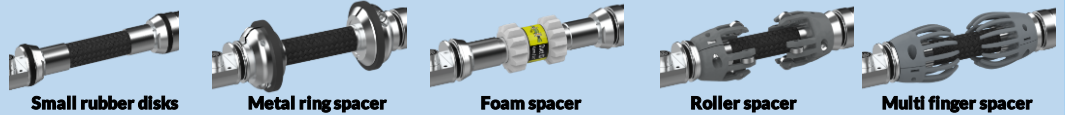
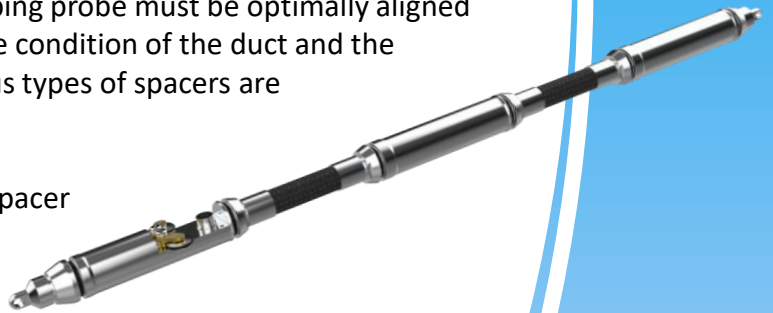


The ABM-40 and DR-2 systems are designed for mapping ducts with an internal diameter range of 40mm / 1.5" up to 75mm / 3". The most common duct trade sizes in this range are the DN-50 / 1.5", the DN-63 / 2", and the DN-90 / 3".

To obtain the best possible result, the mapping probe must be optimally aligned with the duct orientation. Depending on the condition of the duct and the shape of the segment to be mapped, various types of spacers are available.

The table below summarizes the available spacer Types, the operational specifications, and the recommended use.



Applicable trade sizes

Trade Size	Small rubber disks	Metal ring spacer	Foam spacer	Roller spacer	Multi finger spacer
DN50/1.5"	●	-	●	-	-
DN63/2"	-	●	●	●	●
DN90/3"	-	●	-	●	●

Operational features

Operational Feature	Small rubber disks	Metal ring spacer	Foam spacer	Roller spacer	Multi finger spacer
Ease of mounting	Very easy	Time consuming	Very easy	Easy	Easy
Proportional pulling resistance (Ref. values on Reduct DN63 test track)	1kg / 2.2lb	1.5kg / 3.3lb	7.5kg / 16.5lb	0.3kg / 0.7lb	0.55kg / 1.2lb
Durability/Wear	Medium	Medium	High	Low	Medium
Passing poor couplings	Mildly tough	Tough	Possible foam damage	Easy	Easy
Risk of parts lost in duct	Low	Low	Low in smooth ducts. High in other cases.	Low	Low
Negotiating ovality	Low	Low	High	Low	Medium
Alignment stability (= accuracy)	Medium	High	Medium/High	Medium/High	High
Single Entry suitability	High	Low	Low	High	High

Recommended use

Use Case	Small rubber disks	Metal ring spacer	Foam spacer	Roller spacer	Multi finger spacer
New installation (no couplings)	Good	Good	Good	Good	Good
Existing duct with bends	Possible	Possible	Good	Good	Good
Slightly silted ducts	Good	Avoid	Avoid	Avoid	Good

Purchase details

Purchase Detail	Small rubber disks	Metal ring spacer	Foam spacer	Roller spacer	Multi finger spacer
Included in initial system purchase	1 Set of 6 Included	Not included	10 Standard sets	Not included	1 Set for DN63/2"
Set size when purchased as accessory	Set of 6 disks	Sets of 6 spacers + disks	Per size: Box of 25 sets	Set of 8 (2 spare)	Set of 8 (2 spare)