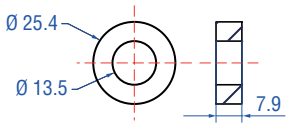
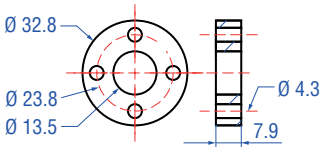
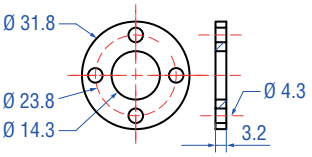
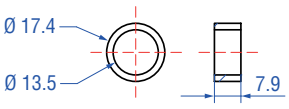
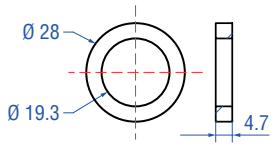
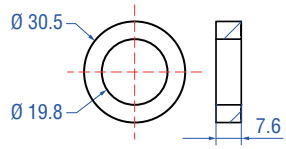
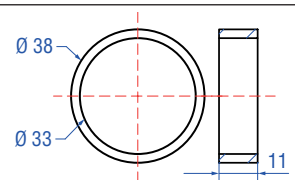
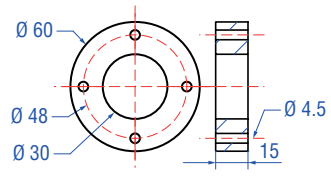
Magnet Selection – Rod Sensors

Magnet must be ordered separately

ID	Technical drawing	Description	Sensor models			
Ring magnet OD25.4 400 533  R		Material: PA ferrite Weight: ca. 10 g Operating temperature: -40…+100 °C Surface pressure: max. 40 N/mm²	RD4 RH	GB GH GT	EE EH	Rod
Standard ring magnet 201 542-2  R		Material: PA ferrite GF20 Weight: ca. 14 g Operating temperature: -40…+100 °C Surface pressure: max. 40 N/mm² Fastening torque for M4 screws: max. 1 Nm	RD4 RH	GB GH GT	EE EH	Rod
Magnet spacer 400 633 		Material: non ferrous Weight: ca. 5 g Surface pressure: 20 N/mm² Fastening torque for M4 screws: max. 1 Nm	RD4 RH	GB GH GT	EE EH	Rod
			Use with ring magnet part no.: 201 542-2			
Ring magnet OD17.4 401 032 		Material: PA neobind Weight: ca. 5 g Operating temperature: -40…+100 °C Surface pressure: max. 20 N/mm²	RD4 RH	GH GT	EE EH	Rod
Large ring magnet 400 424 		Material: composite PA ferrite GF20 Weight: ca. 6 g Operating temperature: -40…+100 °C Surface pressure: 20 N/mm²	RD4 RF RH	GH	EE EH	Rod
Ring magnet 402 316 		Material: PA ferrite coated Weight: ca. 13 g Operating temperature: -40…+100 °C Surface pressure: 20 N/mm²	RD4 RF RH	GH GT	EE EH	Rod
Large ring magnet 401 468 		Material: PA ferrite Weight: ca. 17 g Operating temperature: -40…+100 °C Surface pressure: 20 N/mm²	RD4 RF RH			Rod
			Contact application engineering for handling guidelines			
Ring magnet OD60 MT0162 		Material: Al CuMgPb, Magnets compound-filled; Weight: ca. 90 g Operating temperature: -40…+75 °C Surface pressure: 20 N/mm² Fastening torque for M4 screws: max. 1 Nm	RD4 RF RH			Rod

Recommended accessories are marked with the following sign: R

All dimensions in mm

NOTES

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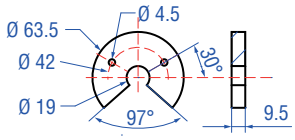
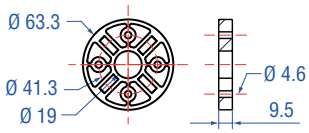
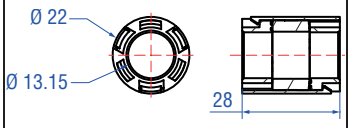
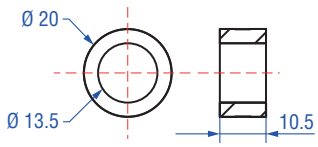
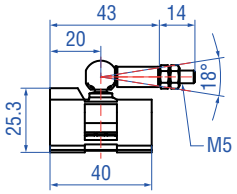
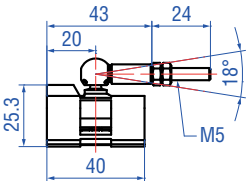
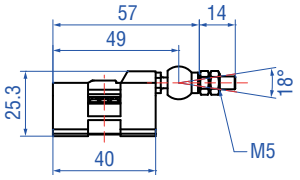
Magnet Selection – Rod Sensors

Magnet must be ordered separately

ID	Technical drawing	Description	Sensor models			
U-magnet OD63.5 201 553 		Material: PA 66-GF30, Magnets compound-filled; Weight: ca. 26 g Operating temperature: -40…+75 °C Surface pressure: 20 N/mm² Fastening torque for M4 screws: max. 1 Nm	RD4 RF RH	GH GT	EE EH	Rod
Large ring magnet 201 554 		Material: PA 66-GF30, Magnet slugs potted with epoxy; Weight: ca. 35 g Operating temperature: -40…+75 °C Surface pressure: 20 N/mm² Fastening torque for M4 screws: max. 1 Nm	RD4 RF RH	GH GT	EE EH	Rod
System magnet 253 928 		Material: composite POM Weight: 14 g Operating temperature: -40…+75 °C Surface pressure: 20 N/mm²	RD4 RH	GH GT	EE EH	Rod
Multipole magnet 254 012 		Material: composite neobonded Weight: 8.5 g Operating temperature: -40…+75 °C Surface pressure: 20 N/mm²	RD4 RH	GH GT	EE EH	Rod

Magnet Selection – Profile Sensors

Magnet must be ordered separately

ID	Technical drawing	Description	Sensor models			
Magnet slider S 252 182  R		Material: GFK, magnet hard ferrite Weight: ca. 35 g Operating temperature: -40…+75 °C	RP	GP	EL EP	Profile
Magnet slider N, longer ball-jointed arm 252 183 		Material: GFK, magnet hard ferrite Weight: ca. 35 g Operating temperature: -40…+75 °C	RP	GP	EL EP	Profile
Magnet slider V 252 184 		Material: GFK, magnet hard ferrite Weight: ca. 35 g Operating temperature: -40…+75 °C	RP	GP	EL EP	Profile

Recommended accessories are marked with the following sign: R

All dimensions in mm

NOTES

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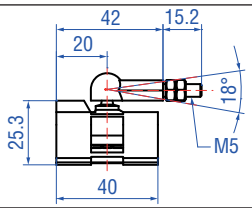
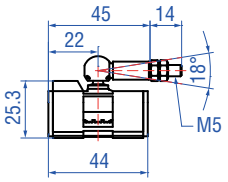
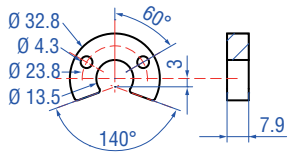
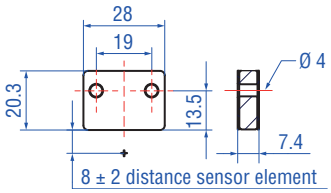
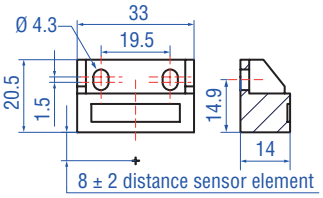
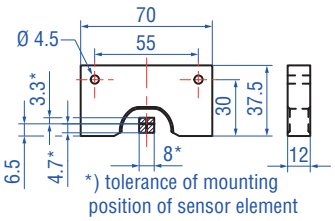
Magnet Selection – Profile Sensors

Magnet must be ordered separately

ID	Technical drawing	Description	Sensor models			
Magnet slider G 253 421 		Material: GFK, magnet hard ferrite Weight: ca. 25 g Operating temperature: -40…+75 °C	RP	GP	EL EP	Profile
Magnet slider P 253 673 		Material: GFK, magnet hard ferrite Weight: ca. 38 g Operating temperature: -40…+75 °C	RP	GP	EL EP	Profile

Magnet Selection – Rod and Profile Sensors

Magnet must be ordered separately

ID	Technical drawing	Description	Sensor models			
U-magnet OD33 251 416-2  R		Material: PA ferrite GF20 Weight: ca. 11 g Operating temperature: -40…+100 °C Surface pressure: max. 40 N/mm² Fastening torque for M4 screws: max. 1 Nm	RD4 RF RH RP	GB GH GP GT	EE EH EP	Profile Rod
Bar magnet 251 298-2 		Material: stainless-steel plate Plates bonded to both magnet sides. Magnet installs on a mounting plate (customer supplied) or flat surface of the machine's moving part. Weight: ca. 22 g Surface pressure: 20 N/mm² Fastening torque for M4 screws: max. 1 Nm	RF RH RP	GH GP	EH EL EP	Profile Rod
			This magnet may influence the sensor performance specifications for some applications.			
Block magnet L 403 448 		Material: hard ferrite Weight: ca. 20 g Operating temperature: -40…+75 °C Fastening torque for M4 screws: max. 1 Nm	RF RH RP	GP GH	EH EL EP	Profile Rod
			This magnet may influence the sensor performance specifications for some applications.			
U-magnet 252 185 		Material: AlMg4.5Mn, black anodised; magnets compound-filled Weight: ca. 125 g Operating temperature: -40…+75 °C Surface pressure: 20 N/mm² Fastening torque for M4 screws: max. 4 Nm	RF RH RP	GH GP	EH EP	Profile Rod
			This magnet may influence the sensor performance specifications for some applications.			

Recommended accessories are marked with the following sign: R

All dimensions in mm

NOTES

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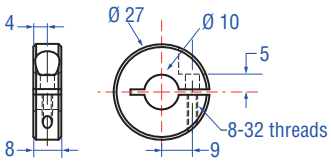
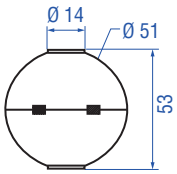
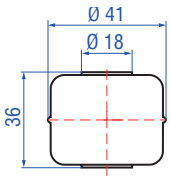
Magnet Selection – Level Sensing Applications

Magnet must be ordered separately

ID	Technical drawing	Description	Sensor model			
Collar 560 777 		Material: 304 SST Provides end of stroke stops for magnet float (part no.: 251447) Weight: ca. 30 g Hex key 7/64 required	RD4 RH	GH GT	EE EH Ø 10	Rod
Magnet float 251 447 		Material: stainless steel Weight: ca. 42 ± 3 g Density: 720 kg/m³ Pressure: max. 60 bar	RD4 RH	GH GT	EE EH	Rod
			This float is used with rod style sensors for hydraulic fluid or fresh water applications only.			
Float 41 mm 200 938-2 		Material: 1.4404 stainless steel Weight: 20 ± 2 g Density: 740 kg/m³ Pressure: max. ≤ 8 bar	RD4 RH	GH GT	EE EH	Rod
			This float is used with rod style sensors for hydraulic fluid or fresh water applications only.			

All dimensions in mm

NOTES

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