

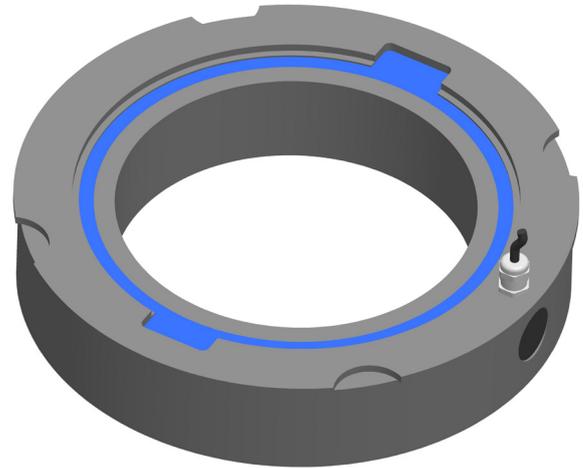
KAR-E Radial Force Transducer

Applications

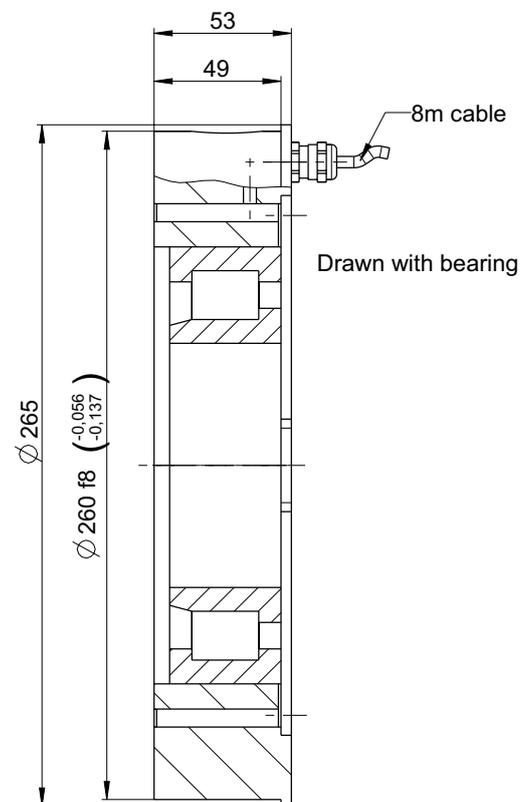
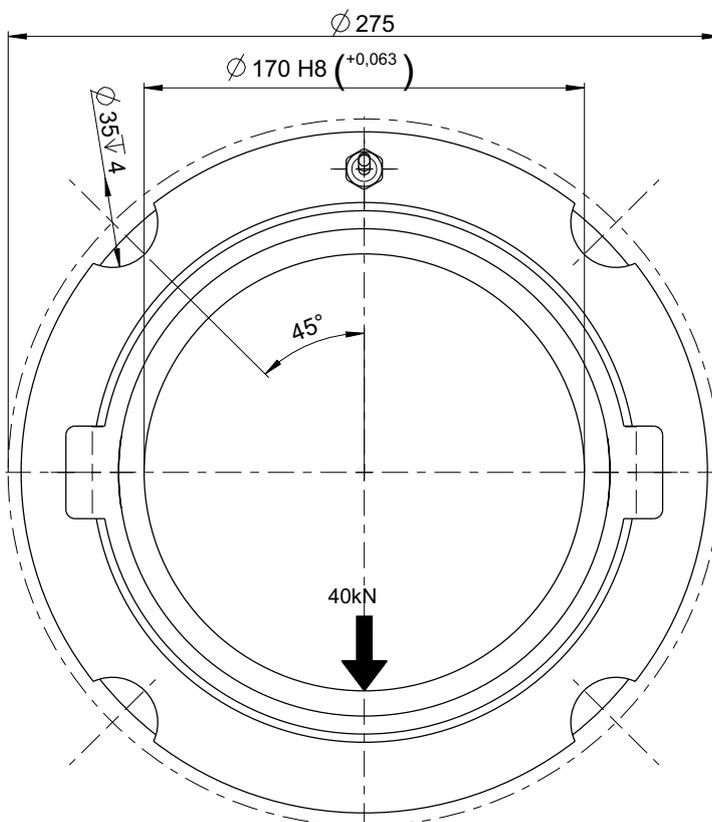
- For measuring tensile and compressive forces
- Bearing locations for load pins

Features

- 40kN
- Accuracy class <0,5%
- Output 4 ... 20mA
- Power supply 10 ... 30V DC
- Limit load 150%
- Fracture load >400%
- With integrated amplifier
- Environmental protection IP 67
- Made of stainless steel

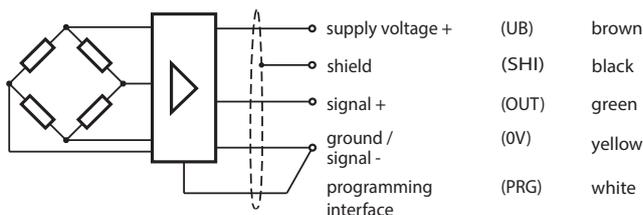


Dimensions (mm)



Wiring code

Cable length 8m



Specifications

Accuracy class	% F_{nom}	0.5
Rated (nominal) force (F_{nom})	kN	40
Maximum operating force (F_G)	% F_{nom}	150
Breaking force (F_B)	% F_{nom}	> 400
Lateral force limit (F_Q)	% F_{nom}	100
Relative linearity error (d_{lin})	%	≤ 0.5
Temperature effect on zero signal (TK_0)	%/10K	≤ 0.5
Relative creep over 30 minutes ($d_{cr, F+E}$)	%	≤ 0.5
Reference temperature (T_{ref})	$^{\circ}C$	+23
Rated temperature range ($B_{T, nom}$)	$^{\circ}C$	-20 ... +60
Operating temperature range ($B_{T, G}$)	$^{\circ}C$	-20 ... +60
Storage temperature range ($B_{T, S}$)	$^{\circ}C$	-30 ... +70
Environmental protection (EN 60529)		IP 67
Power supply	VDC	10 ... 30
Current output signal	mA	4 ... 20

All data according to VDI/VDE/DKD 2638

Order Example

Type code	Description
KAR-E/40kN/0.5	Force transducer 40kN with 0.5% accuracy
	Accuracy class
	Rated load
	Model