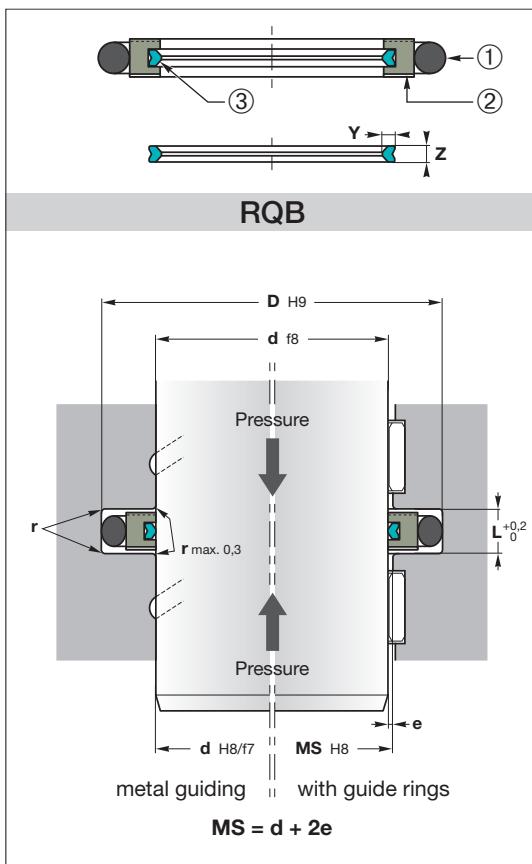




RQB

Turcon® AQ Seal®
with Bean Seal

RQB is a double-acting O-ring energised seal developed for sealing between two media such as fluid and gas. It incorporates a limited footprint polyurethane Bean Seal inset into the dynamic sealing face. Possible installation in grooves according to ISO 7425.

Operating conditions

Pressure	≤ 40 MPa
Temperature	-30°C to 100°C
Speed	≤ 2 m/s

Materials

Energising element ①	NBR 70 Sh A
Dynamic sealing element ②	Turcon® M12
Bean seal ③	Zurcon® Z54

Assembly

O-ring and PTFE-ring may easily be mounted into the grooved housings (above 18 mm)

Advantages

- High sealing effect in applications requiring media separation, e.g. fluid/fluid or fluid/gas
- Low friction
- Double security through the combination of different materials
- No stick-slip
- Long service life
- Small section and simple groove design

Please contact us for applications approaching maximum values.

Serie	d (mm)		L (mm)	D (mm)	r (mm)	e (mm)*			O-ring C/S ①	Bean seal C/S Y	Z
	Standard range	Available range				10 MPa	20 MPa	40 MPa			
RQB20	12 → 37,9	38 → 199,9	4,2	d + 10,7	1	$\leq 0,5$	$\leq 0,3$	$\leq 0,2$	3,53	1,7	1,7
RQB30	38 → 199,9	200 → 255,9	6,3	d + 15,1	1,3	$\leq 0,7$	$\leq 0,4$	$\leq 0,25$	5,33	1,7	1,7
RQB40	200 → 255,9	256 → 649,9	8,1	d + 20,5	1,8	$\leq 0,8$	$\leq 0,6$	$\leq 0,35$	7	2,45	2,45
RQB80	256 → 649,9	650 → 999,9	8,1	d + 24	1,8	$\leq 0,9$	$\leq 0,7$	$\leq 0,4$	7	2,45	2,45
RQB50	650 → 999,9		9,5	d + 27,3	2,5	≤ 1	$\leq 0,8$	$\leq 0,5$	8,4	3,5	3,65
RQB5X		1000 → 1200	9,5	d + 27,3	2,5	≤ 1	$\leq 0,8$	$\leq 0,5$	8,4	3,5	3,65
RQB60**			13,8	d + 38	3	$\leq 1,2$	$\leq 0,9$	$\leq 0,6$	12	5,2	5,05
RQB6X**	≥ 1000		13,8	d + 38	3	$\leq 1,2$	$\leq 0,9$	$\leq 0,6$	12	5,2	5,05

* At pressures ≥ 40 MPa use diameter tolerance H8/f7 (bore/rod) in the area behind seal (metal guiding).

** All O-rings with 12 mm cross section are delivered as a special profile ring