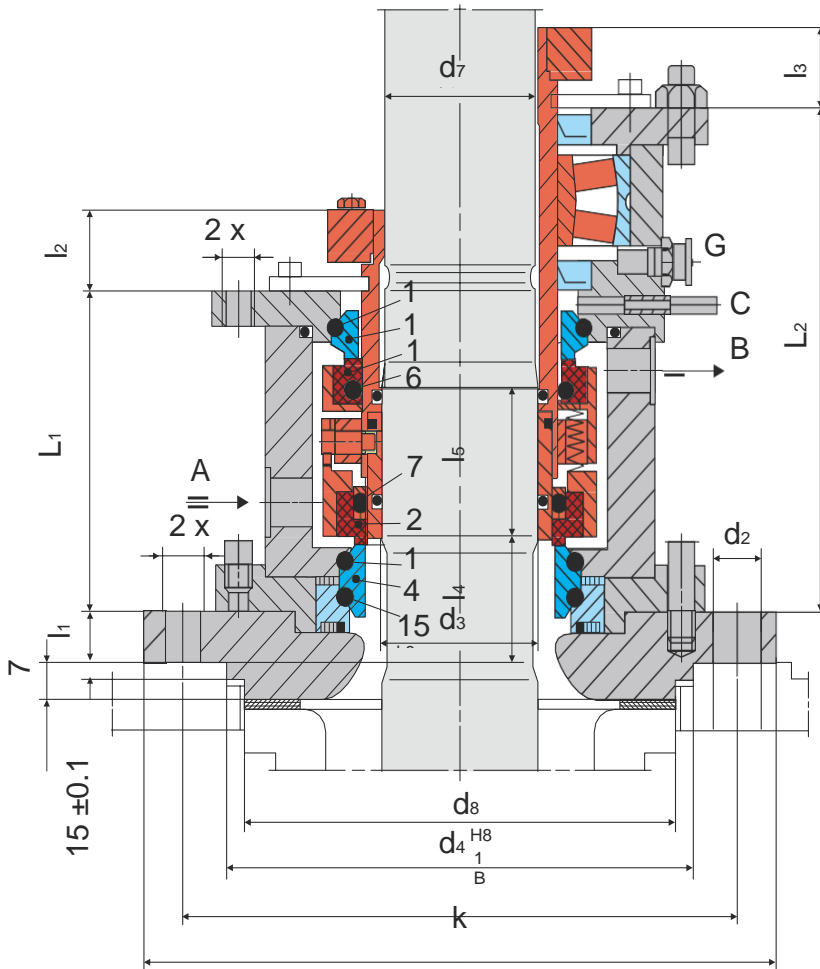
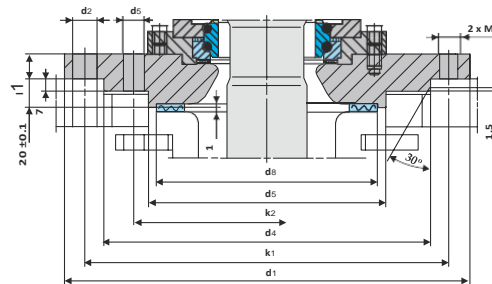


S164



Item	Description
1	Seal face, atmosphere side
2	Seal face, product side
6,7,13 14,15	O-Ring
11	Seat, product side
12	Seat, atmosphere side



Flange connections acc. to DIN diameters T2 for nominal 125 ... 161.

Description

Cartridge unit
 Double seal, single seal on request For glass-lined vessels, acc. to DIN 28138 T2
 For top entry drives
 independent of direction of rotation
 Multiple springs rotating Unbalanced
 Available with or without floating

Technical Features

bearing
 Double seals can be applied at higher pressure and rotating speed
 Ready-to-fit and factory-tested unit
 Suitable for standardizations

Typical Industrial Applications

Chemical industry
 Non-toxic media with single seal
 Pharmaceutical industry
 Toxic media with double seal
 Agitators
 Reactors

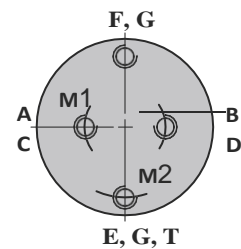
Materials

According to application and customer's specification.

Performance Capabilities

Sizes: $d_3 =$ Upto 160 mm (Upto 6.500'')
 Pressure: $p_1 =$ vacuum ... 16 bar (232 PSI),
 $p_3 =$ max. 18 bar (261 PSI)
 Temperature: $t_1 = -40$ °C ... +200 (250) °C (-40 °F ... +392 (482) °F)
 Speed = 0 ... 5 m/s (0 ... 16 ft/s)

Installation, Details, Options



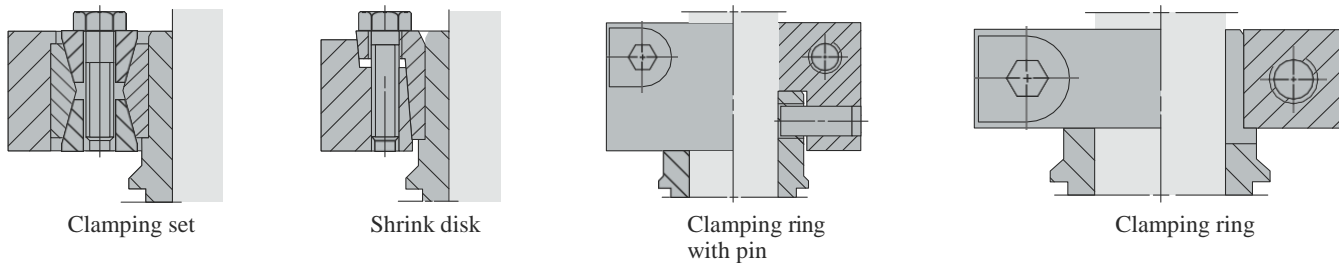
Designation and positions of screwed connections, pull-off and jacket threads acc. to DIN 28138 T3.

Supply Connections

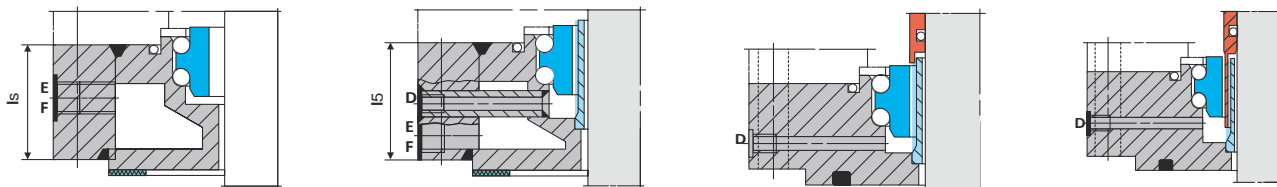
A	Barrier fluid resp. quench IN
B	Barrier fluid resp. quench OUT
C	Drainage
D	Leakage drain G1/8"
E	Cooling IN G3/8"
F	Cooling OUT G3/8"
G	Grease
H	Temperature metering

Standards	Notes
FDA DIN 28136 T3 (for glass-lined vessels) DIN 28137 T2 (flange connection for glasslined vessels) DIN 28159 (shaft end for glass-lined vessels)	Options: Cooling or heating flange Leakage drain, flush or heating flange Leakage drain or flush Polymerization barrier, leakage drain or flush

Torque Transmissions



Installation, Details, Options



Option Cooling flange, can be used alternatively as a heating flange (tmax. = 350°C (662 °F)).

Option Leakage drain, can be used alternatively as a flush or as a heating flange.

Option Leakage drain, can be used alternatively as a flush

Option Polymerization barrier, can be used alternatively as a leakage drain or a flush.

Design Variations

- Double Seals Variants Double
- S164K-D**
seal
- S164KL-D**
Double seal with integrated floating bearing
- S156K(L)-D**
Double seal with/without floating bearing for PN25

Dimensional Data

Dimensions in millimeter

d ₃ ¹⁾	d ₇ ¹⁾	Nominal size	Flange size ²⁾	d ₁	nxd ²⁾	d ₄	nxd ₅	d ₆	d ₇	[k ₁]	[k ₂]	L ₁	L ₂	l ₁	l ₂	l ₃	l ₄	l ₅	M ₁	M ₂	A,B
40	38	40	E125	175	4X18	110	-	-	102	145	-	142	184	25	35	28	50	50	M12	M16	G3/8
50	48	50	E200	240	8X18	176	-	-	138	210	-	147	195	25	40	28	50	50	M12	M16	G3/8
60	58	60	E250	275	8X22	204	-	-	188	240	-	158	203	30	42	28	50	60	M12	M20	G3/8
80	78	80	E300	305	8X22	234	-	-	212	270	-	170	240	30	45	34	60	60	M16	M20	G1/2
100	98	100	E400	395	12X22	313	-	-	268	350	-	177	240	30	52	34	60	60	M16	M20	G1/2
100	98	100	E500	395	12X22	313	-	-	268	350	-	177	240	30	52	34	60	60	M16	M20	G1/2
125	120	125	E700	505	4X22	422	12X22	320	306	460	350	208	266	30	75	40	60	80	M20	M20	G1/2
140	135	140	E700	505	4X22	422	12X22	320	306	460	350	223	282	30	79	40	60	80	M20	M20	G1/2
160	150	160	E700	505	4X22	422	12X22	320	306	460	350	228	282	30	77	40	60	85	M20	M20	G1/2
160	150	160	E900	505	4X22	422	12X22	320	306	460	350	228	282	30	77	40	60	85	M20	M20	G1/2
160	150	161	E901	565	4X26	474	12X22	370	356	515	400	228	282	30	77	40	60	85	M20	M20	G1/2

1) Shaft diameters d₃ and d₇ to DIN 28159

2) Flange size to DIN 28137T2

inch size available from size 1.575 to 6.500

Note: Additional technical & dimensional information will be provided on request.