

Dual Lip Style

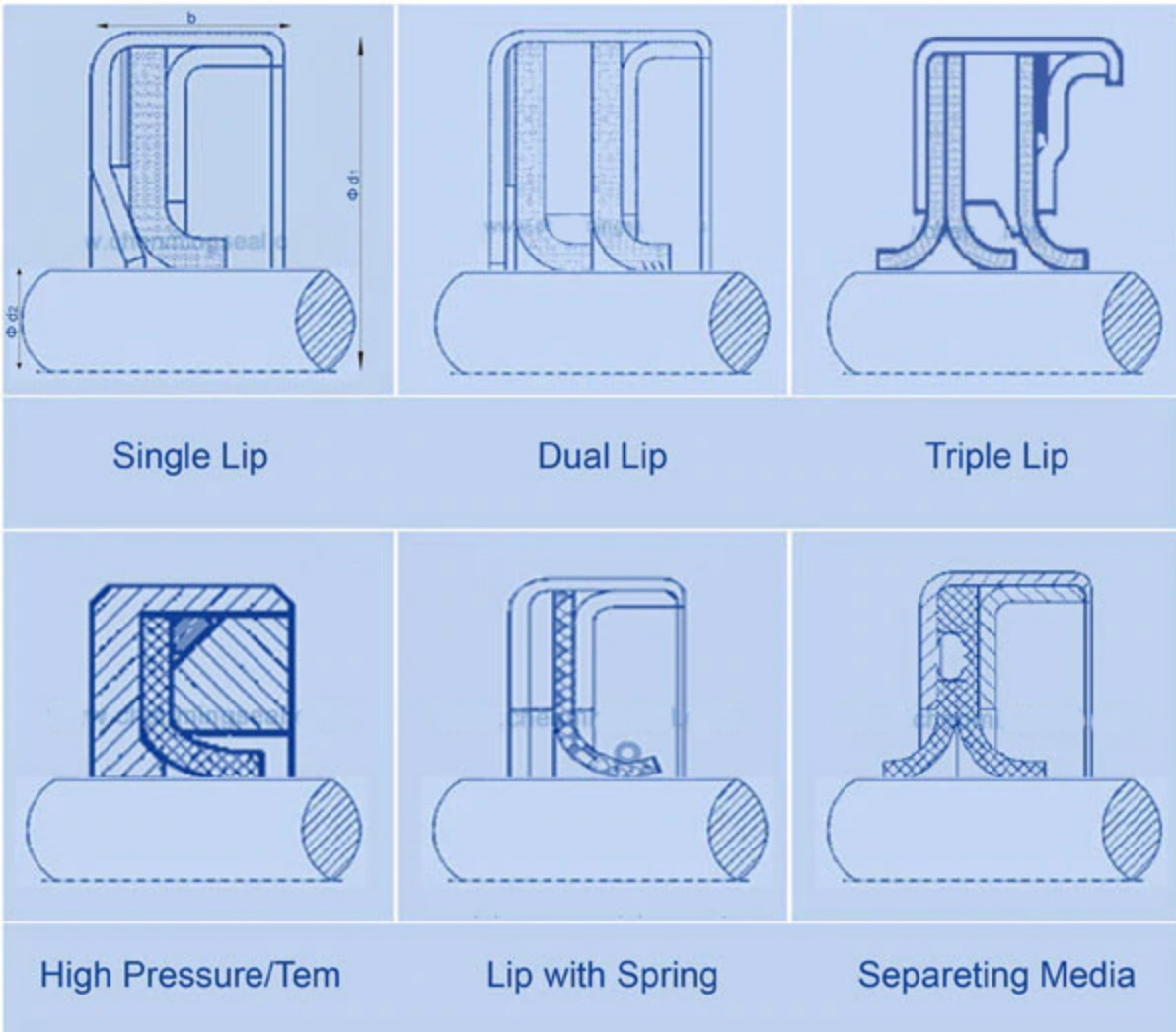
Design Features:

- Reinforced sealing lip
- Resist deformation under more pressure
- Hydrodynamic return feed spiral groove for higher operational reliability
- Suitable for unhardened shafts as well
- Typical Applications: Compressors, Pumps, Mixers Actuators, Blowers, Stirring Systems..

Operating Limits:

Temperature	Max. Pressure	Max. Speed	Media
-90 to +260 °C	3.0 Mpa	30m/s	Heat transfer fluids(oils),Air, Water, Powder,Foodstuffs, corrosive/fluid/gaseous media

Typical Styles:



Single Lip

Dual Lip

Triple Lip

High Pressure/Tem

Lip with Spring

Separating Media

Typical Sizes:

NO.	d2*d1*b (mm)	NO.	d2*d1*b (mm)	NO.	d2*d1*b (mm)	NO.	d2*d1*b (mm)	NO.	d2*d1*b (mm)
CM1	8*22*7	CM39	20*35*8	CM77	32*50*8	CM115	40*60*8	CM153	48*70*10
CM2	8*25*7	CM40	20*35*10	CM78	35*46*8	CM116	40*60*10	CM154	48*70*12
CM3	10*22*7	CM41	20*40*7	CM79	35*47*7	CM117	40*62*8	CM155	48*72*14
CM4	10*25*7	CM42	20*42*7	CM80	35*47*8	CM118	40*62*10	CM156	49*70*10
CM5	10*30*8	CM43	20*45*7	CM81	35*50*8	CM119	40*65*8	CM157	49*72*10
CM6	12*25*7	CM44	20*45*8	CM82	35*50*10	CM120	40*65*10	CM158	50*65*8

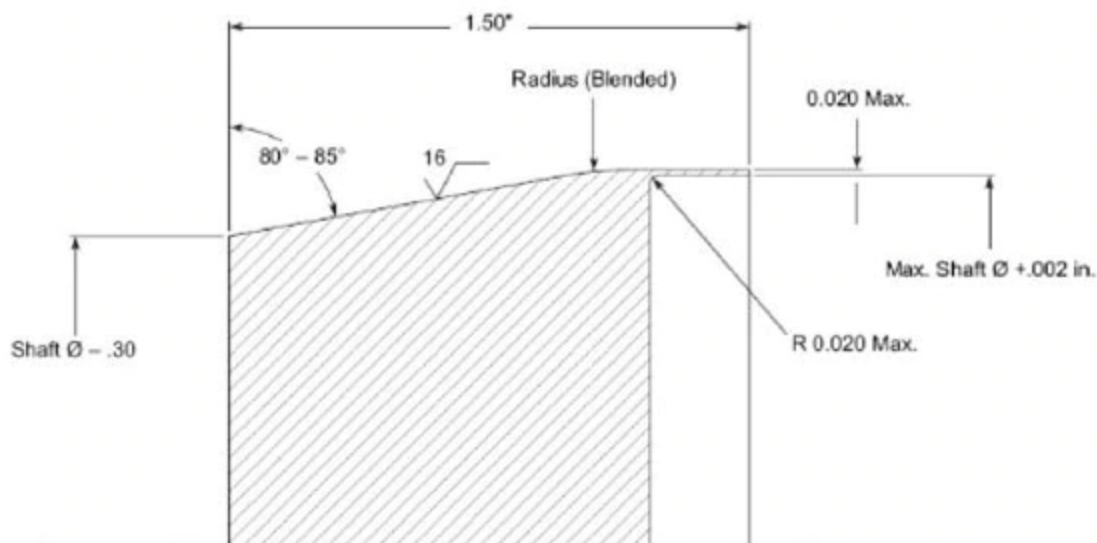
CM7	12*28*6	CM45	22*35*7	CM83	35*50*12	CM121	40*70*10	CM159	50*65*10
CM8	12*30*7	CM46	22*40*7	CM84	35*52*7	CM122	40*72*12	CM160	50*68*8
CM9	12*35*7	CM47	22*42*7	CM85	35*52*8	CM123	41*54*8	CM161	50*68*10
CM10	13*25*7	CM48	24*40*7	CM86	35*52*10	CM124	42*52*12	CM162	50*70*8
CM11	13*30*6	CM49	25*35*7	CM87	35*53*10	CM125	42*60*8	CM163	50*70*10
CM12	13*30*7	CM50	25*40*7	CM88	35*55*7	CM126	42*62*8	CM164	50*70*12
CM13	13*30*8	CM51	25*40*8	CM89	35*55*8	CM127	42*68*17	CM165	50*72*8
CM14	13*35*8	CM52	25*42*7	CM90	35*55*10	CM128	42*80*12	CM166	50*72*10
CM15	15*30*6	CM53	25*42*8	CM91	35*55*11	CM129	44.2*70*10	CM167	50*72*12
CM16	15*30*7	CM54	25*42*10	CM92	35*55*12	CM130	44.5*58.74*11	CM168	50*75*8
CM17	15*30*8	CM55	25*45*7	CM93	35*55*15	CM131	44.5*62*10	CM169	50*75*10
CM18	15*30*10	CM56	25*45*8	CM94	35*56*10	CM132	45*55*8	CM170	50*75*12
CM19	15*34*7	CM57	25*50*7	CM95	35*56*12	CM133	45*55*12	CM171	50*80*10
CM20	15*35*7	CM58	25*50*8	CM96	35*60*8	CM134	45*60*8	CM172	50.8*63.7*7.8
CM21	15*42*7	CM59	25*50*10	CM97	35*62*8	CM135	45*60*10	CM173	50.8*71.5*10
CM22	16*28.5*7	CM60	25*52*8	CM98	35*65*12	CM136	45*62*8	CM174	51*71*10
CM23	16*30*7	CM61	25*54*8	CM99	35*65*14	CM137	45*62*10	CM175	52*72*10
CM24	16*35*7	CM62	25*62*8	CM100	37*51*10	CM138	45*62*15	CM176	53*68*8
CM25	17*30*7	CM63	28*47*7	CM101	38*50*10	CM139	45*65*8	CM177	54*73*10
CM26	17*30*8	CM64	30*45*7	CM102	38*52*10	CM140	45*65*10	CM178	55*65*12
CM27	17*32*7	CM65	30*45*8	CM103	38*55*8	CM141	45*65*12	CM179	55*70*8
CM28	17*35*7	CM66	30*45*10	CM104	38*58*8	CM142	45*68*8	CM180	55*70*10
CM29	17*35*8	CM67	30*47*7	CM105	38*58*10	CM143	45*68*10	CM181	55*70*12
CM30	18*30*7	CM68	30*47*8	CM106	40*50*8	CM144	45*68*12	CM182	55*70*15
CM31	18*30*8	CM69	30*47*10	CM107	40*52*7	CM145	45*70*10	CM183	55*72*8
CM32	18*35*7	CM70	30*50*7	CM108	40*52*8	CM146	45*70*12	CM184	55*72*10
CM33	18*40*7	CM71	30*50*8	CM109	40*52*10	CM147	45*72*8	CM185	55*72*12
CM34	20*30*6	CM72	30*50*10	CM110	40*52*12	CM148	45*72*14	CM186	55*72*15
CM35	20*30*7	CM73	30*55*8	CM111	40*55*8	CM149	45*80*10	CM187	55*75*8
CM36	20*30*10	CM74	30*75*8	CM112	40*55*10	CM150	47.6*62*14.5	CM188	55*75*10
CM37	20*32*7	CM75	31.7*50.8*10	CM113	40*56*10	CM151	48*65*10	CM189	55*75*12
CM38	20*35*7	CM76	32*46*11	CM114	40*56*12	CM152	48*65*15	CM190	55*80*8
CM191	55*80*10	CM232	65*90*12	CM273	80*100*12	CM314	100*130*15	CM355	145*170*15
CM192	55*80*12	CM233	65*100*10	CM274	80*100*15	CM315	105*140*12	CM356	145*175*15
CM193	55*85*10	CM234	65*100*12	CM275	80*105*10	CM316	105*140*15	CM357	145*180*15
CM194	55*85*12	CM235	66.6*90*12	CM276	80*105*12	CM317	105*150*12	CM358	150*180*12
CM195	57*72*8	CM236	66.7*92*9.5	CM277	80*109.5*19	CM318	107.95*130*11	CM359	150*180*15
CM196	58*73*10	CM237	66.7*92*10	CM278	80*110*8	CM319	108*133*10	CM360	150*180*16
CM197	58*80*10	CM238	67*92*10	CM279	80*110*10	CM320	110*130*10	CM361	150*185*15
CM198	58*80*12	CM239	68*83*12	CM280	80*110*12	CM321	110*130*12	CM362	150*190*15
CM199	58.74*85.73*10	CM240	68*90*10	CM281	82.5*110*12	CM322	110*135*19	CM363	150*190*16
CM200	60*70*8	CM241	68*90*12	CM282	85*100*10	CM323	110*140*12	CM364	150*200*15
CM201	60*75*8	CM242	68*100*12	CM283	85*105*12	CM324	110*140*15	CM365	150*200*16
CM202	60*75*10	CM243	69*89*12.5	CM284	85*110*8	CM325	110*140*22	CM366	150*200*18
CM203	60*75*15	CM244	70*85*10	CM285	85*110*10	CM326	110*150*12	CM367	155*190*15
CM204	60*78*10	CM245	70*85*12	CM286	85*110*12	CM327	110*150*15	CM368	155*200*16
CM205	60*80*8	CM246	70*90*8	CM287	85*110*15	CM328	115*140*12	CM369	160*190*15
CM206	60*80*10	CM247	70*90*10	CM288	85*112*10	CM329	115*150*12	CM370	160*190*16
CM207	60*80*12	CM248	70*90*12	CM289	85*120*12	CM330	115*150*15	CM371	160*190*18
CM208	60*82.995.8	CM249	70*95*10	CM290	87*112*12	CM331	120*140*12	CM372	160*200*12
CM209	60*82.4*5.6	CM250	70*95*15	CM291	90*110*8	CM332	120*150*10	CM373	160*200*15
CM210	60*85*10	CM251	70*95.22*15	CM292	90*110*10	CM333	120*150*12	CM374	160*200*16
CM211	60*85*12	CM252	70*100*10	CM293	90*110*12	CM334	120*150*15	CM375	175*200*15
CM212	60*90*10	CM253	70*100*12	CM294	90*115*10	CM335	120*180*12	CM376	180*210*12
CM213	62*78*8	CM254	70*115*10	CM295	90*115*12	CM336	125*150*10	CM377	180*210*15
CM214	62*84*10	CM255	72*90*10	CM296	90*117.5*12	CM337	125*150*12	CM378	180*210*16
CM215	62*85*10	CM256	72*100*10	CM297	90*120*10	CM338	125*150*15	CM379	180*210*18
CM216	62*89.5*16	CM257	73*95*10	CM298	90*120*12	CM339	125*160*15	CM380	180*220*15
CM217	63*75*7	CM258	73*95*12.5	CM299	95*109*8	CM340	130*150*10	CM381	180*220*18
CM218	63*76*11	CM259	75*95*10	CM300	95*120*10	CM341	130*1150*12	CM382	185*220*15
CM219	63*85.6*11	CM260	75*100*10	CM301	95*120*12	CM342	130*150*15	CM383	190*220*15
CM220	63.5*85*12.3	CM261	75*100*12	CM302	95*120*15	CM343	130*160*12	CM384	190*220*18
CM221	63.5*84.7*11	CM262	75*110*10	CM303	95*120*16	CM344	130*160*15	CM385	190*230*15
CM222	65*75*8	CM263	76*97*10	CM304	95*130*12	CM345	130*170*12	CM386	195*220*18

CM223	65*80*8	CM264	76*101*8	CM305	95*130*15	CM346	130*170*15	CM387	200*240*18
CM224	65*80*10	CM265	76.16*96.9*10	CM306	100*120*10	CM347	135*160*12	CM388	200*250*18
CM225	65*80*12	CM266	76.2*100*12	CM307	100*120*12	CM348	135*160*15	CM389	210*250*18
CM226	65*84*11.4	CM267	76.2*101.5*10	CM308	100*120*14	CM349	135*170*15	CM390	220*160*18
CM227	65*85*8	CM268	76.5*97*10	CM309	100*125*10	CM350	140*160*12	CM391	230*270*18
CM228	65*85*10	CM269	80*90*10	CM310	100*125*12	CM351	140*160*15	CM392	240*280*18
CM229	65*85*12	CM270	80*95*8	CM311	100*125*15	CM352	140*170*15	CM393	250*290*18
CM230	65*85*14	CM271	80*95*10	CM312	100*130*10	CM353	140*180*15	CM394	260*300*18
CM231	65*90*10	CM272	80*100*10	CM313	100*130*12	CM354	145*165*12	CM395	270*300*18

Fitting Tips:

- PTFE shaft seals are press fitted into receiving hole. Recommend that the sealing rings be glued into receiving hole. Use of a sealing compound (e.g. Loctite 601,641)
- Use conical fitting tool to protect sealing lip
- Before seal-fitting process, sealing lip must be inspected for cleanliness/damage
- The sealing lips must not be deformed
- Seals may be fitted without lubrication

Fitting Tool Design:



Installation Steps:

