



Heavy Duty 360°

New Generation Ball Bearing Rotary Fittings



ENGINEERING YOUR SUCCESS.

Customer requirements!

Standard rotary fittings are used to connect a fixed moving machine part via hoses. More and more terrains, hard climate conditions and poor infrastructure last years our customers have new challenging requirements, temperature resistance and general operating for a new standard.

The solution!

Parker HPCE created for these challenging rotary fittings - the new **Heavy Duty 360°** reliable ball bearings together with a new improvements in terms of pressure, as well as durability and flow characteristics.

Heavy Duty 360° can now work at a nominal pressure of 420 bar. The new sealing unit is special designed for long-time best sealing performance in combination with low-temperature suitability so that the function of the rotary fitting is still guaranteed at an ambient and medium temperature between -40°C and up to 95°C. It was possible to decrease the tilt tendency which protects all internal components - especially the extrusion for sealing components is prevented.

The new design and the reduced friction resistance showed in the final approval tests a very good durability of all components without any considerable wear at 420 bar nominal pressure. The new design will replace the current portfolio of Parker ball bearing rotary fittings (DG101, DG102, etc.). The dimensions of the old and the new rotary fittings will remain the same so that they can easily be replaced in their current application. The portfolio of plain bearing rotary fittings (DVGE, DVWE).

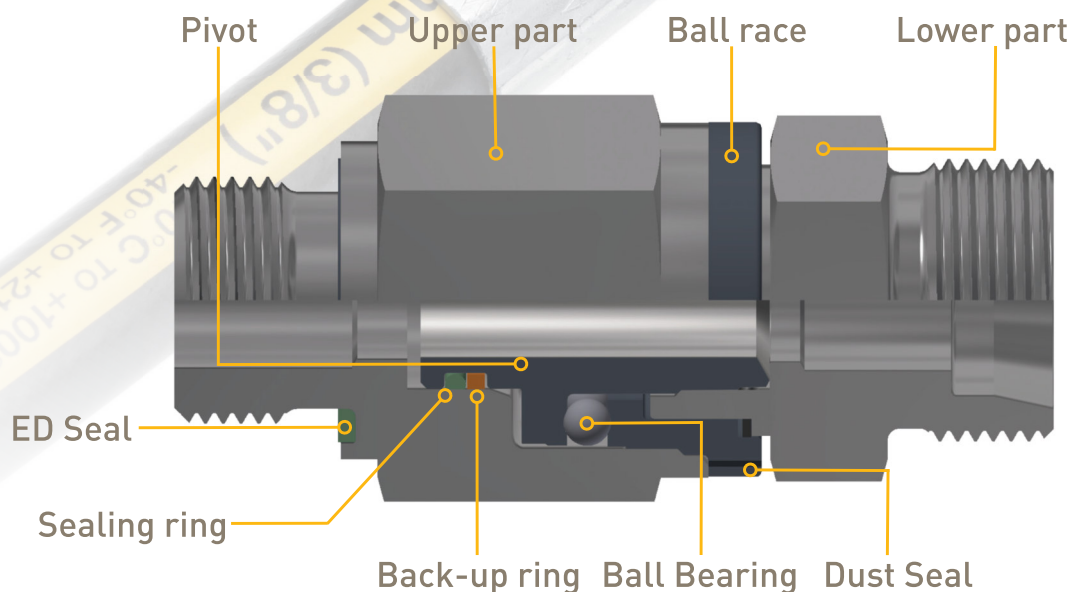
point to a swinging, rotating or customers have to deal with rough structure in some cases. During the requirements in terms of flow capacity conditions so that there was a need

ing conditions a new robust version of series. The combination of the proven design and sealing concept lead to major temperature and corrosion resistance

nominal pressure of 420 bar. for long-time best sealing performance suitability so that at an ambient and medium temperature. By the new design it protects all internal components is prevented.

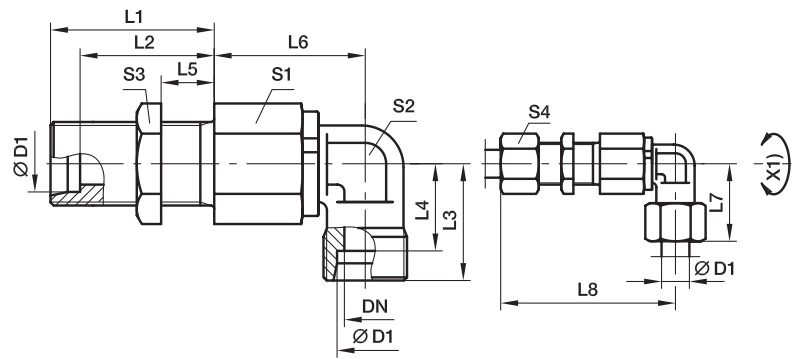
showed in the final without any consider-

of Parker ball bearing dimensions of the old and the new rotary fittings will remain the same



DG 108 Elbow bulkhead ball bearing rotary union

EO 24° cone end / EO 24° cone end

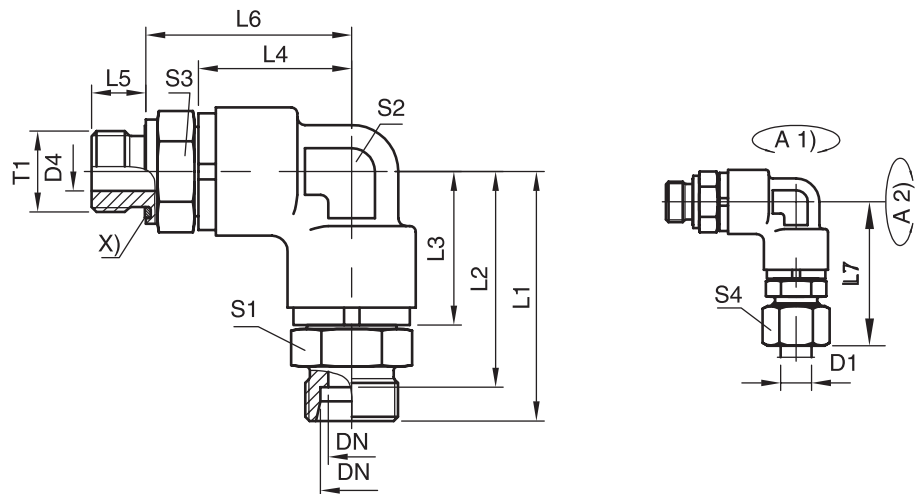


X1) Axis

D1	DN	T1	L1	L2	L3	L4	L5	L6	L7	L8	S1	S2	S3	S4	Weight g/1 piece	Order code	PN bar
06	5.0	M 14x1.5	23	16.0	23	16.0	05	39.5	31	70.0	22	17	19	17	154	DG108/06SHDOMDCF	420
08	5.0	M 16x1.5	23	16.0	23	17.0	05	39.5	32	70.0	22	17	22	19	166	DG108/08SHDOMDCF	420
12	9.5	M 20x1.5	23	15.5	29	21.5	05	51.0	38	83.0	30	22	27	24	333	DG108/12SHDOMDCF	420
16	9.5	M 24x1.5	26	17.5	33	24.5	05	49.0	43	85.0	30	22	32	30	354	DG108/16SHDOMDCF	420
20	16.0	M 30x2.0	39	28.5	37	26.5	15	67.0	48	117.5	41	36	41	36	904	DG108/20SHDOMDCF	420
25	16.0	M 36x2.0	42	30.0	42	30.0	15	65.0	54	119.5	41	36	46	45	999	DG108/25SHDOMDCF	420
30	26.0	M 42x2.0	44	30.5	49	35.5	15	82.5	62	140.0	60	50	50	50	1935	DG108/30SHDOMDCF	420
38	26.0	M 52x2.0	47	31.0	57	41.0	15	80.5	72	142.0	60	50	65	60	2351	DG108/38SHDOMDCF	420

DG 208-R Double elbow male stud ball bearing rotary union

Male BSPB thread - ED-seal (ISO 1179) / EO 24° cone end



A1) Axis
A2) Axis
X) ED-Eolastic

D1	T1	DN	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	S4	Order code	PN bar
12	G 3/8 A	08	61.8	54.3	39.8	39.8	12	52.5	70.3	24	24	24	24	DG208/12SRHDOMDCF	420
16	G 1/2 A	12	64.5	56.5	39.8	39.8	14	53.0	73.5	27	24	27	30	DG208/16SRHDOMDCF	420
20	G 3/4 A	16	84.5	74.5	56.5	56.5	16	71.5	95.5	36	32	36	36	DG208/20SRHDOMDCF	420
25	G 1 A	16	89.5	77.5	56.5	56.5	18	74.5	100.5	41	32	41	46	DG208/25SRHDOMDCF	420
38	G 1 1/2 A	32	104.0	88.0	65.3	65.3	22	85.3	121.5	55	50	55	60	DG208/38SRHDOMDCF	420