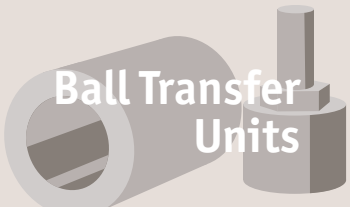


Available materials

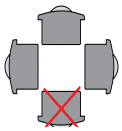
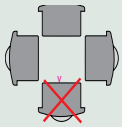
- CC	Chrome steel AISI 52100 Balls. Machined AISI 1016 steel housing, toughened & zinc plated
Solve specific application requirements by upgrading materials. Select option by adding suffix i.e. - CS	
- CS	Stainless Steel Balls (AISI 420) but other materials as Standard. Reduce load by 30%.
- SS	All parts in Stainless Steel - out housing AISI 416, Balls AISI 420. Reduce load by 30%.
- CD	Acetal (POM) main ball option - reduce load. See chart overleaf

Fixing clip selection

Part No.	Ball Size	Minimum Bore ø	Maximum Bore ø
P2730.015	15	24,8	25,0
P2730.022	22	37,0	37,2
P2730.030	30	46,3	46,7

Clip requires a minumum plate thickness of 3mm to grip securely

How to select the correct unit

Ball Type	Max Load (Kg)	Friction (% of load)	Speed m/sec	Shock Loads		Arduous Conditions	Orientation	Instant Change
Medium Duty	20-3500	2%	1,5	✓✓✓	✓✓	✓✓		✓✓✓
Light Duty	7-250	3%	1,0	✓		✓✓		✓✓✓

Variables to consider:

Shock Loads:

Standard material ball units have Rockwell 'C' hardness of 60 minimum

Track Hardness/ Conveyed Item Material:

Standard material ball units have Rockwell 'C' hardness of 60 minimum

Delicate Surfaces:

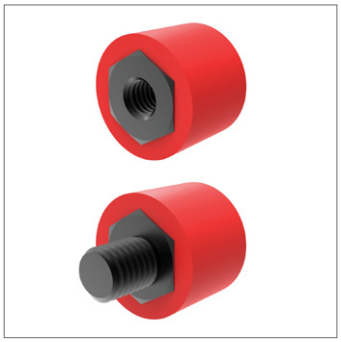
Ball Units - Acetal (POM) & Phenolic Resin

Operating Environment:

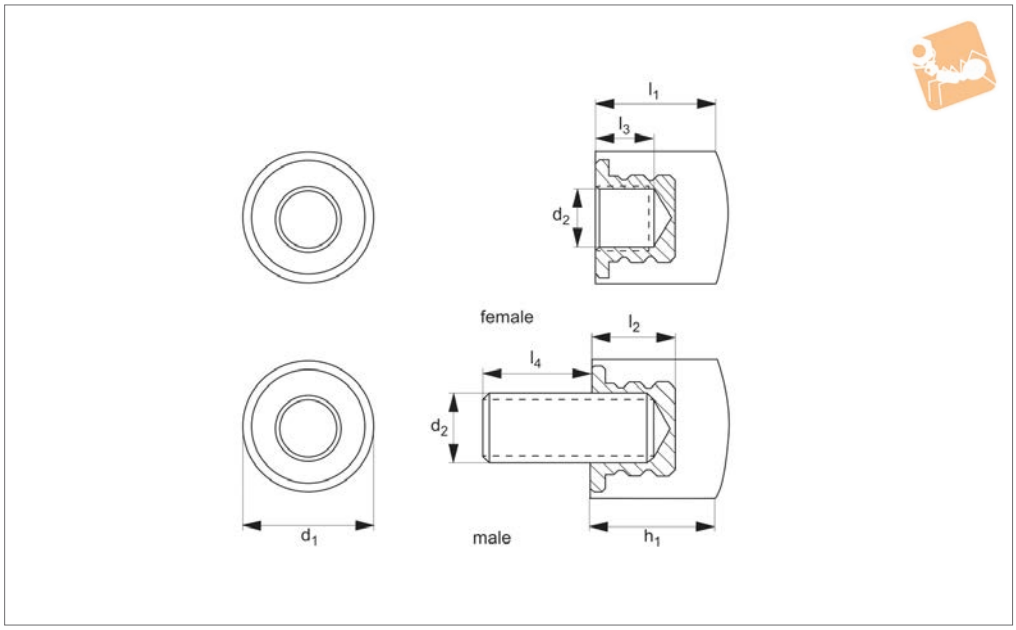
Wet, dirty, outdoor, radioactive

Ball Transfer Units from Automotion Components

Metric Bumpers - Round
male and female



P2794

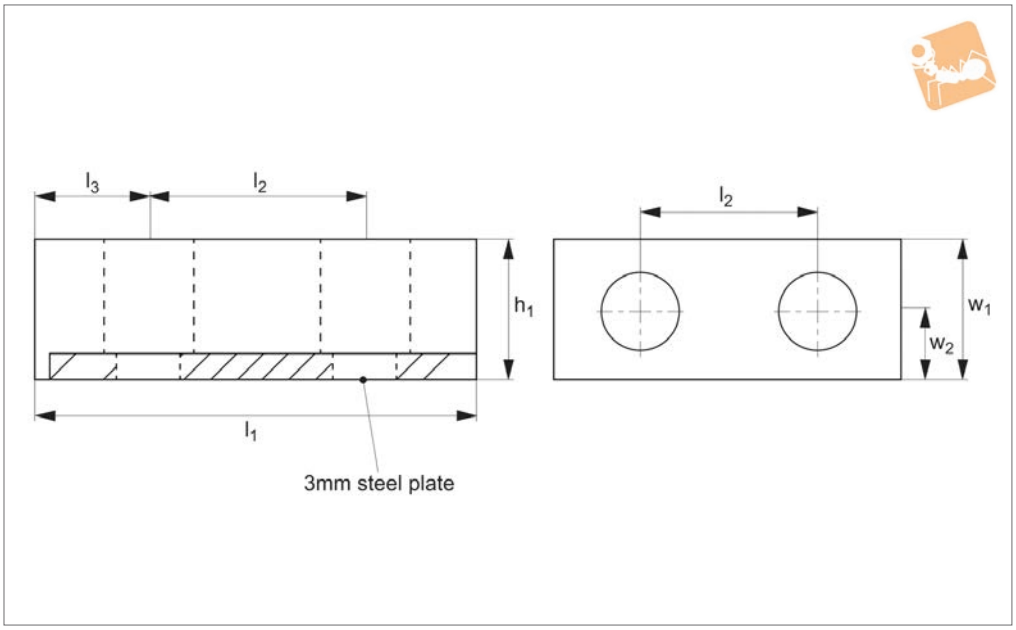


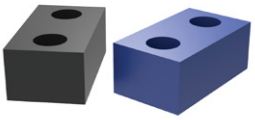
Material
Black Neoprene: flame and weather resistant. Resists: oil, ozone and gasoline. Temperature resistance: -5°C to +93°C (shortly +120°C).
Urethane: highly abrasion resistant, high strength and load bearing. High elongation and hardness. Resists ozone and oxygen. Temperature resistance: -18°C to +93°C (shortly +120°C).

Technical Notes
Bumpers are moulded to solid steel cores. They are used to guard, stop, align, position, or protect parts through stages of manufacturing.

Tips
All dimensions metric.

Order No.	Material	Type	l_1	d_1	d_2	l_2	l_3	l_4	Durometer	Duro. urethane
P2794.M32-10C-N	Neoprene	Male	32	32	M10 x 1,50	19.0	-	15	40	80
P2794.F32-10-U	Urethane	Female	32	32	M10 x 1,50	19.0	13	-	40	80
P2794.M32-10C-U	Urethane	Male	32	32	M10 x 1,50	19.0	-	15	40	80





P2796

Material

Black Neoprene: flame and weather resistant. Resists: oil, ozone and gasoline. Temperature resistance: -5°C to +93°C (shortly +120°C).
Urethane: highly abrasion resistant, high strength and load bearing. High elongation and hardness. Resists ozone and oxygen. Temperature resistance: -18°C to +93°C (shortly +120°C).

Technical Notes

Bumpers bonded to steel plate. They are used to guard, stop, align, position, or protect parts through stages of manufacturing.

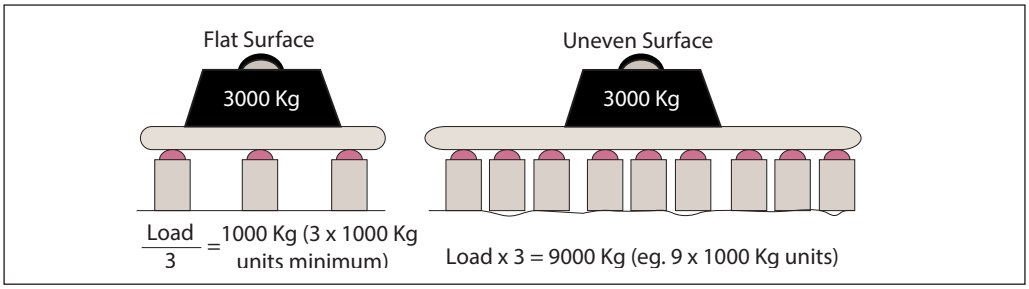
Tips

All dimensions metric. Special cut bumpers available on request.

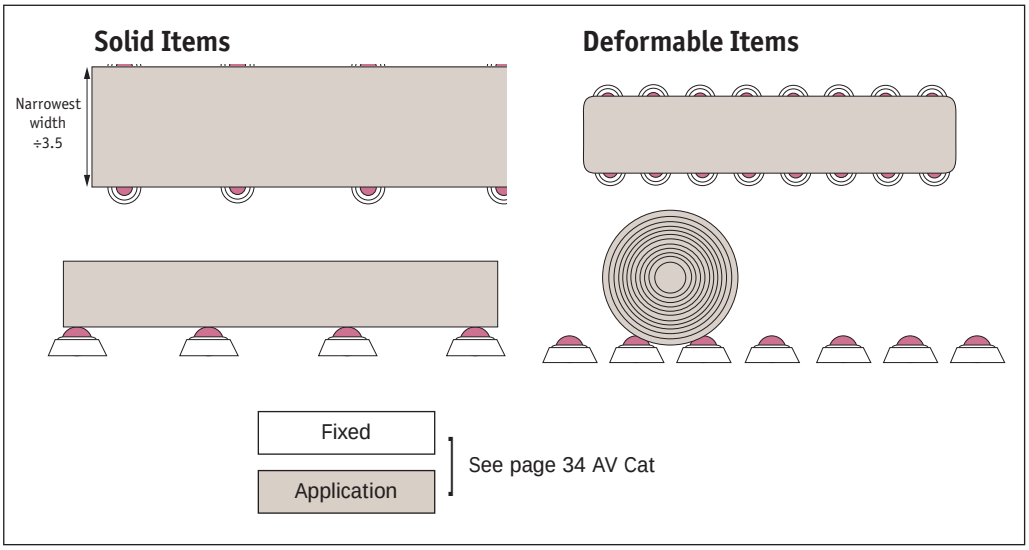
Order No.	Material	l_1	d_1	h_1	w_1	l_2	l_3	w_2	Duro.	No. of holes
P2796.510	Neoprene	44.45	6	19.0	25.4	25.4	9.5	12.7	35	2
P2796.511	Neoprene	19.0	6	16.0	19.0	-	9.5	9.5	80	1
P2796.512	Neoprene	63.5	6	16.0	16.0	38.1	12.7	7.9	80	2
P2796.515	Neoprene	44.45	6	19.0	25.4	25.4	9.5	12.7	80	2
P2796.516	Neoprene	50.8	-	50.8	50.8	-	-	-	80	-
P2796.001	Urethane	19.0	6	16.0	19.0	-	9.5	9.5	60	1
P2796.002	Urethane	63.5	6	16.0	16.0	38.1	12.7	7.9	60	2
P2796.003	Urethane	44.45	6	9.5	25.4	25.4	9.5	12.7	60	2
P2796.004	Urethane	44.45	6	12.7	25.4	25.4	9.5	12.7	60	2
P2796.005	Urethane	44.45	6	19.0	25.4	25.4	9.5	12.7	60	2
P2796.011	Urethane	19.0	6	16.0	19.0	-	9.5	9.5	80	1
P2796.012	Urethane	63.5	6	16.0	16.0	38.1	12.7	7.9	80	2
P2796.013	Urethane	44.45	6	9.5	25.4	25.4	9.5	12.7	80	2
P2796.014	Urethane	44.45	6	12.7	25.4	25.4	9.5	12.7	80	2
P2796.015	Urethane	44.45	6	19.0	25.4	25.4	9.5	12.7	80	2
P2796.016	Urethane	50.8	-	50.8	50.8	-	-	-	80	-

Ball Transfer Units

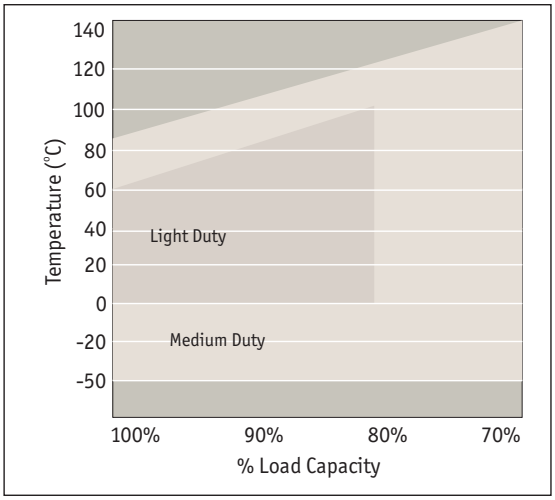
Load & Stability



Pitch & Spacing



Operating Temperature



Ball Transfer Units from Automotion Components

ov-ball-transfer-units-load-stability-lnh - Updated - 10-01-2023