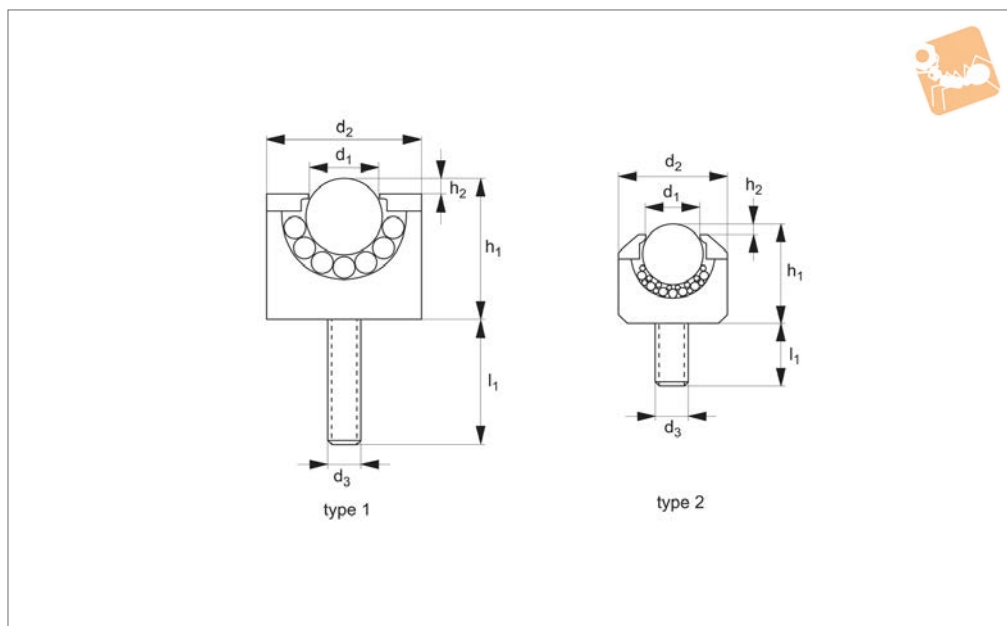




P2705

Material

Carbon steel, aluminium or stainless steel housing. Carbon steel or stainless steel balls.

Technical Notes

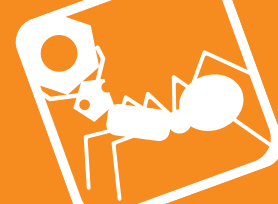
All steel parts are supplied with a small

amount of oil, to protect from oxidation.

Tips

Normally used in measuring equipment, small linear motion systems (e.g photocopyier slides) and miniature mechanisms.

Order No.	Type	d ₁	d ₂	h ₁	h ₂	d ₃	l ₁	Housing	Ball	Load kg max.
P2705.050-CC	Type 1	4.8	13	9	1	M6	15	Steel	Steel	10
P2705.150-CC	Type 1	15.8	24	20.5	4	M6	12	Steel	Steel	70
P2705.150-SS	Type 1	15.8	24	20.5	4	M6	12	Stainless	Stainless	70
P2705.160-CC	Type 1	15.8	24	20.5	4	M6	12	Steel	Steel	70
P2705.160-SS	Type 1	15.8	24	20.5	4	M6	12	Stainless	Stainless	70
P2705.050-SS	Type 1	4.8	13	9	1	M6	15	Stainless	Stainless	10
P2705.050-AS	Type 2	4.8	8	6	1	M2	2.5	Aluminium	Stainless	5
P2705.060-SS	Type 1	6.4	17	11	2	M6	15	Steel	Steel	20
P2705.070-SS	Type 1	6.4	17	11	2	M6	15	Stainless	Stainless	20
P2705.060-AS	Type 2	6.4	13	10.5	2	M3	6	Aluminium	Stainless	15
P2705.080-CC	Type 1	7.9	18	14	2	M8	18	Steel	Steel	30
P2705.080-SS	Type 1	7.9	18	14	2	M8	18	Stainless	Stainless	30
P2705.090-AS	Type 2	7.9	15	12.5	2	M4	8	Aluminium	Stainless	20
P2705.100-CC	Type 1	9.6	23	20	2	M8	20	Steel	Steel	40
P2705.100-SS	Type 1	9.6	23	20	2	M8	20	Stainless	Stainless	40
P2705.130-CC	Type 1	12.7	28	25	3.5	M8	23	Steel	Steel	50
P2705.130-SS	Type 1	12.7	28	25	3.5	M8	23	Stainless	Stainless	50



Product selection

Available materials

Housing	Ball	Load Factor	
Steel	Steel	1,0	Housing: AISI 1040 steel, machined, toughened & zinc plated. Ball: AISI 52100 chrome steel
Steel	Stainless	0,7	Housing: AISI 1040 steel, machined, toughened & zinc plated. Ball: AISI 420 stainless steel
Stainless	Stainless	0,7	Housing: AISI 416 stainless steel. Ball: AISI 420 stainless steel
Steel	Acetal		Housing: AISI 1040 steel, machined, toughened & zinc plated. Ball: POM acetal
Aluminium	Stainless		Housing: aluminium. Ball: AISI 420 stainless steel
Acetal	Acetal		Housing: POM acetal. Ball: POM acetal
Acetal	Stainless		Housing: POM acetal. Ball: AISI 420 stainless steel

Fixing clip selection

Part No.	Ball Size	Minimum Bore ø	Maximum Bore ø
67202.W9015	15	24,8	25,0
67202.W9022	22	37,0	37,2
67202.W9030	30	46,3	46,7

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

How to select the correct unit

Ball Type	Max Load (Kg)	Friction (% of load)	Speed (m/s)	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: Specify High Capacity series & spring loaded units	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

Operation temperature

