

**67200**

TRANSFER ROLLERS

### Material

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

### Technical Notes

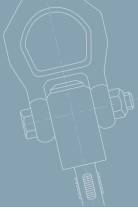
All steel parts are supplied with a small

amount of oil, to protect from oxidation.

### Tips

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

Order No.	Type	d <sub>1</sub>	d <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	d <sub>3</sub>	h <sub>3</sub>	Housing	Ball	Load kg max.
67200.W0051	type 1	4.8	13	9	1	M6	15	Steel	Steel	10
67200.W0151	type 1	15.8	28	20.5	4	M6	12	Steel	Steel	70
67200.W0152	type 1	15.8	24	20.5	4	M6	12	Stainless	Stainless	70
67200.W0162	type 1	15.8	24	20.5	4	M6	12	Stainless	Stainless	70
67200.W0052	type 1	4.8	13	9	1	M6	15	Stainless	Stainless	10
67200.W0053	type 2	4.8	8	6	1	M2	2.5	Aluminium	Stainless	5
67200.W0072	type 1	6.4	17	11	2	M6	15	Stainless	Stainless	20
67200.W0065	type 2	6.4	13	10.5	2	M3	6	Aluminium	Stainless	10
67200.W0082	type 1	8	18	12	2	M6	15	Stainless	Stainless	30
67200.W0093	type 2	7.9	15	12.5	2	M4	8	Aluminium	Stainless	15
67200.W0101	type 1	9.6	23	20	2	M8	20	Steel	Steel	40
67200.W0102	type 1	9.6	23	20	2	M8	20	Stainless	Stainless	40
67200.W0131	type 1	12.7	28	25	3.5	M8	23	Steel	Steel	50
67200.W0132	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

