



PATENTED: Rotacaster Wheels are patented and/or patent pending.

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SPECIFICATIONS

Wheel Parameters	Unit	R2-0354	R2-0504	R2-0905	R2-1258	R3-1258	R4-1258
Primary Diameter	mm	5	50	90	125	125	125
Hub Width	mm	18.5	27.5	43	43	62	86
Wheel Rim/Rows	ea	2 (dual)	2 (dual)	2 (dual)	2 (dual)	3 (Triple)	4 (2xR2) (Quad)
Number of Rollers/rim	ea	4	4	5	8	8	8
Total number of Rollers	ea	8	8	10	16	24	32
Roller Diameter	mm	—	—	—	—	—	—
Radial head Clearance	mm	0.05	1.5	—	—	—	—
Roller hardness	Material	Max. Load Capacity (kg - dynamic primary)					
35A	TPE	2	5	—	—	—	—
60A	PU	—	15	—	—	—	—
85A	PU	—	—	—	115	125	—
95A	PU	—	25	125	130	160	—
99 (Solid)	TCP	5	30	—	—	—	—
Roller hardness	Material	Wheel Weight (grams)					
35A	TPE	12	34	—	—	—	—
60A	PU	—	38	—	—	—	—
85A	PU	—	—	—	308	470	616
95A	PU	—	38	—	308	470	616
99 (Solid)	TCP	13.5	43	—	—	—	—
Roller hardness	Material	Co-Efficient Of Static Friction (friction on steel)					
35A	TPE	0.691	1.139	—	0.831	—	—
60A	PU	—	0.380	—	0.516	—	—
85A	PU	—	—	—	0.231	—	—
95A	PU	—	0.212	TBC	0.198	—	—
99 (Solid)	TCP	0.114	0.086	—	—	—	—
Roller hardness	Material	Co-Efficient Of Kinetic Friction (secondary roller movement)					
35A	TPE	0.154	0.116	—	0.073	—	—
60A	PU	—	0.098	—	0.079	—	—
85A	PU	—	—	—	0.067	—	—
95A	PU	—	0.092	TBC	0.075	—	—
99 (Solid)	TCP	0.094	0.062	—	—	—	—

LEGEND

REF	Roller Materials	REF	Bearing Bush Type	REF	ID Sizing	REF	Mount Type
35	TPE	A	ABS	05	3/16"	CH	Channel Holed
60	PU	D	Acetal	06	6mm	MC	Cup
85	PU	H	Hex	07	1/4"	MF	Formed
95	PU	HR	Rotating Hex	08	8mm	MM2	Multi-mount 2x R4
99*	PBT	LX	Lego	09	3/8"	MM3	Multi-mount 3x R4
*solid		N	Nylon	10	10mm	MW	Welded
		S	Sealed	11	7/16"	MX	Formed
		VX	Vex	12	12mm	MXT	Formed
		Z	Shielded	13	1/2"		
				13+	1/2"+		
				14	14mm		
			15	15mm			
			17	17mm			
			18	18mm			
			19+	3/4" 19mm			

PART NUMBERING

Wheel Part/SKU Numbering								
Rims/Rows	-	Wheel Diameter (mm)	No. of Rollers/Rim	-	Rollers Hardness (Shore A)	/	Bearings/Insert	
R	X	- XXX	X	-	XX	/	XX	
		- 035	4	-	35	/	D06	

Load capacity may vary dependent on roller hardness, bearing and/or bushing selection. **PATENTED:** Rotacaster Wheels are patented and/or patent pending.

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