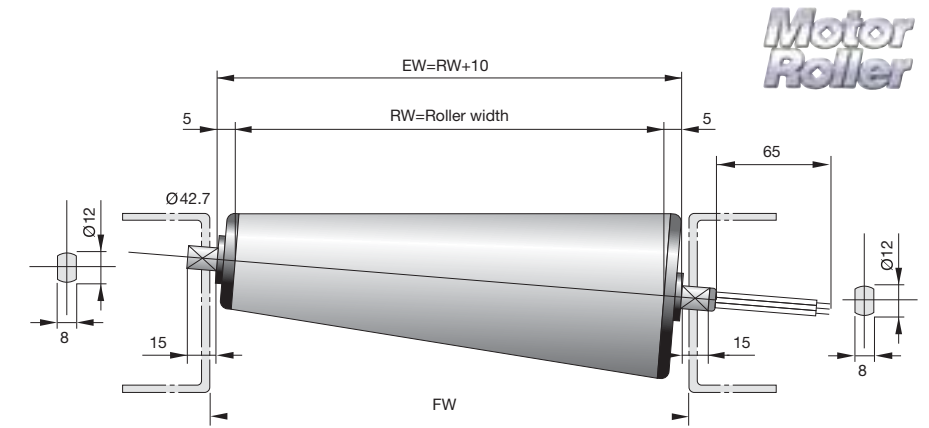


Tapered Rollers 42R12



Tapered roller dimensions/weight

RW=Roller width (FW-12)	800	900	1000	1100	1200
Width inside the frame (FW)	812	912	1012	1112	1212
Weight (kg)	3.9	4.1	4.5	4.9	5.3
Snap-on shaft	○	○	○	○	○



50Hz

42R12SC J-C J-3-200/220/380/415V

Roller width Small dia. 42.7mm R=500	800 (large dia. 65mm center dia. 55mm)		900 (large dia. 70mm center dia. 57mm)		1000 (large dia. 75mm center dia. 59mm)		1100 (large dia. 75mm center dia. 60mm)		1200 (large dia. 80mm center dia. 62mm)		Roller width Small dia. 42.7mm R=1200
	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	
42R12S 4-[]-3-[]	4.3	155	4.5	150	4.7	145	4.7	143	4.9	138	42R12S 4-[]-3-[]
42R12S 6-[]-3-[]	6.3	114	6.5	110	6.7	106	6.8	105	7.1	101	42R12S 6-[]-3-[]
42R12S 8-[]-3-[]	8.2	88	8.5	85	8.8	82	8.9	81	9.2	78	42R12S 8-[]-3-[]
42R12S10-[]-3-[]	10.1	67	10.5	65	10.9	63	11.1	62	11.4	60	42R12S10-[]-3-[]
42R12S13-[]-3-[]	13.9	56	14.5	54	15.0	52	15.2	51	15.7	50	42R12S13-[]-3-[]
42R12S15-[]-3-[]	16.9	47	17.5	45	18.1	43	18.4	43	19.0	41	42R12S15-[]-3-[]
42R12S20-[]-3-[]	20.3	34	21.0	33	21.7	32	22.1	31	22.8	30	42R12S20-[]-3-[]
42R12S25-[]-3-[]	25.1	28	26.0	27	26.9	26	27.4	26	28.3	25	42R12S25-[]-3-[]
42R12S30-[]-3-[]	30.9	23	32.0	22	33.1	21	33.7	21	34.8	20	42R12S30-[]-3-[]
42R12S35-[]-3-[]	33.8	20	35.0	19	36.2	18	36.8	18	38.1	17	42R12S35-[]-3-[]
42R12S45-[]-3-[]	43.4	15	45.0	14	46.6	14	47.4	13	48.9	13	42R12S45-[]-3-[]

motor 57S motor is used. Refer to the relevant page for electric characteristics.
The figures in the above table show data obtained on the basis of roller center diameter and three-phase 220 V motor. motor

Please contact us for the accumulator type.

60Hz

42R12SC J-C J-3-200/220/380/480V

Roller width Small dia. 42.7mm R=1200	800 (large dia. 65mm center dia. 55mm)		900 (large dia. 70mm center dia. 57mm)		1000 (large dia. 75mm center dia. 59mm)		1100 (large dia. 75mm center dia. 60mm)		1200 (large dia. 80mm center dia. 62mm)		Roller width Small dia. 42.7mm R=1200
	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	Speed (m/min.)	Tangential force (N)	
42R12S 4-[]-3-[]	4.8	135	5.0	130	5.2	126	5.3	124	5.4	120	42R12S 4-[]-3-[]
42R12S 6-[]-3-[]	7.2	93	7.5	90	7.8	87	7.9	86	8.2	83	42R12S 6-[]-3-[]
42R12S 8-[]-3-[]	9.6	67	10.0	65	10.4	63	10.5	62	10.9	60	42R12S 8-[]-3-[]
42R12S10-[]-3-[]	11.6	49	12.0	47	12.4	45	12.6	45	13.1	43	42R12S10-[]-3-[]
42R12S13-[]-3-[]	16.8	41	17.5	39	18.1	38	18.4	37	19.0	36	42R12S13-[]-3-[]
42R12S15-[]-3-[]	19.3	35	20.0	34	20.7	33	21.1	32	21.8	31	42R12S15-[]-3-[]
42R12S20-[]-3-[]	23.2	27	24.0	26	24.8	25	25.3	25	26.1	24	42R12S20-[]-3-[]
42R12S25-[]-3-[]	28.9	21	30.0	20	31.1	19	31.6	19	32.6	18	42R12S25-[]-3-[]
42R12S30-[]-3-[]	34.7	17	36.0	16	37.3	15	37.9	15	39.2	15	42R12S30-[]-3-[]
42R12S35-[]-3-[]	40.5	15	42.0	14	43.5	14	44.2	13	45.7	13	42R12S35-[]-3-[]
42R12S45-[]-3-[]	52.1	11	54.0	11	55.9	11	56.8	10	58.7	10	42R12S45-[]-3-[]

motor 57S motor is used. Refer to the relevant page for electric characteristics.
The figures in the above table show data obtained on the basis of roller center diameter and three-phase 220 V motor. motor

Please contact us for the accumulator type.