



Mounting kit 2S-EBS(B)/150 - 2S-EBS(B)/750

AKIM gear technology – Swiss Made.

Double wheel reducers 2S-EBS(B)/150 – 2S-EBS(B)/750

Double wheel reducers are the first choice where high power, high torque and great ratio is needed. The hollow shaft allows a short mounting length. The ratios of 28 : 1 to 130 : achievable in single stage, are all integer and mathematic precise. Due to the operational principle, the input shaft turns in opposite direction as the output shaft.

General informations.

- Low backlash: <1 min at the output shaft
- Achieve efficiency rates well over 90%, depending from ratio, load, speed
- Low moment of inertia
- Low weight by compact design
- Smooth operation
- High overload safety
- Good uniformity of movement
- Easy installation
- Lifetime lubricated
- No oil fittings
- Maintenance free

Technical data.

Type	150	250	350	450	650	750
Reduction ratio	41 52 69 83	34 41 51 64 86	33 38 44 53 66 83 113	28 34 42 48 57 67 86 108	29 34 40 45 51 59 69 83 104 130	29 34 39 47 52 59 67 79 95 119
Max. starting torque T _{2A} [Nm]	235	560	1400	2610	4890	7330
Mass moment of inertia J [kgcm ²]	0.27	1.15	3.85	13.8	31.8	71.7
Weight 2S-EBS [Kg]	3.2	5.5	10.5	18.5	31.5	47.5
Weight 2S-EBSB [Kg]	8.7	15.5	27	45.5	90.5	126.5

Output nominal torque T_{2n} [Nm] at drive speed n₁

Drive speed n ₁ [min ⁻¹]	150	250	350	450	650	750
4000	* 100	* 235				
3500	* 105	* 244	* 610			
3000	* 110	* 256	* 640	* 1110		
2500	* 116	* 270	* 680	* 1175		
2250	120	* 279	* 700	* 1210	* 2435	
2000	124	289	* 725	* 1255	* 2525	* 3780
1750	129	301	755	* 1310	* 2625	* 3935
1500	135	315	790	1370	* 2750	* 4125
1250	143	332	835	1445	2905	* 4355
152	152	356	890	1545	3105	4655
750	166	388	975	1685	3390	5075
≤ 600	177	415	1040	1800	3620	5430
	* Max. 50% of permissible power on time					

Detailed technical documentation is available on our website www.akim.ch.