

Straight Bevel Gearboxes For Heavy Belt Conveyors Type K2SH-450

Manufacturer: Wolfgang Preinfalk GmbH

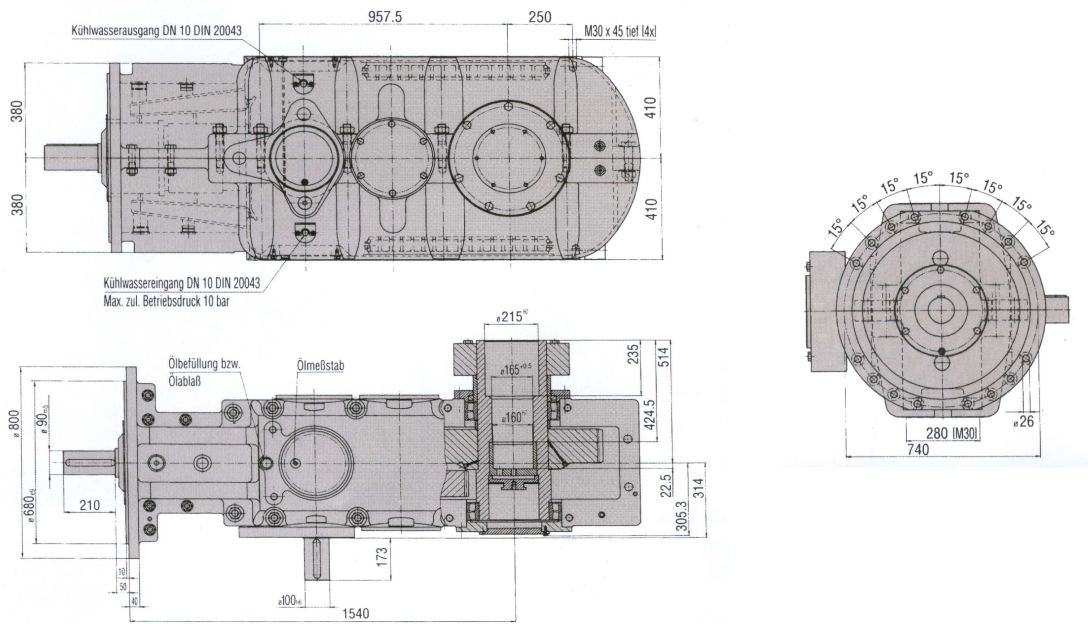
The gearboxes are dedicated for heavy belt conveyors with transferred power up to 500 kW at nominal speed 1470 r.p.m.

The gearboxes have an outlet for the brake wheel or for the equipment to prevent the reverse run.

The gearboxes are manufactured in the explosion-proof version.

Table of Transferred Power by Input Speed 1470 r.p.m.

Gear Ratio i	Transferred Power in kW											
	15 : 1	16 : 1	17 : 1	19 : 1	21 : 1	24 : 1	25 : 1	28 : 1	31 : 1	33 : 1	39 : 1	45 : 1
			500	500	450	400	380	350	300	300	250	200



Technical Parameters:

Gear Ratio	Maximum Permitted Output in kW r.p.m. = 1470 ¹	Maximum Torsion Moment Nm	Output Revolutions r.p.m.	Speed of Belt v=m/s at drum diameter			
				500	630	800	1000
17 : 1	500	3248	86.5	2.35	2.94	3.71	4.64
19 : 1	500	3248	77.4	2.11	2.63	3.32	4.15
21 : 1	450	2923	70	1.91	2.38	3.01	3.75
24 : 1	400	2598	61.2	1.67	2.08	2.63	3.28
25 : 1	380	2468	58.8	1.60	2.00	2.52	3.15
28 : 1	350	2273	52.5	1.43	1.79	2.25	2.81
31 : 1	300	1949	47.4	1.29	1.61	2.04	2.54
33 : 1	300	1949	44.5	1.21	1.51	1.91	2.38
39 : 1	250	1624	37.7	1.03	1.28	1.62	2.02
45 : 1	200	1300	32.7	0.89	1.11	1.40	1.75