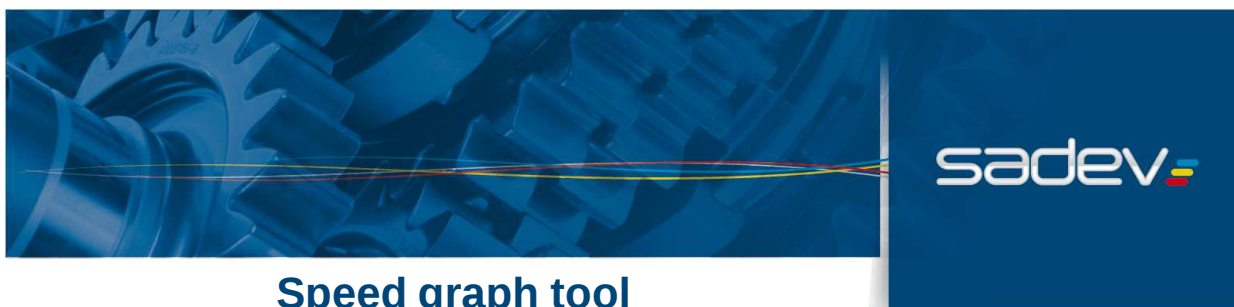




Speed graph tool

Language	English
Units	mm

Customer datas

Customer	K.CHOLAKOV
Date	20/01/2015
Application	RALLY-RAID
Gearbox	SC90-24
Kind of engine	BMW E60 530 D
Horsepower (hp)	300
Engine torque (m.kg)	65

Input datas

Gears number	6		
RPM Max	4000	rpm	
Tyre diameter	81	cm	
Transfer gear	48	x	45
Final drive	10	x	46,25
Speed 1st gear	45	km/h	
Speed last gear	175	km/h	

Output datas

			Optimal ratio	Real ratio	Drop revolution speed (rpm)	Speed (km/h)	Drop speed (km/h)
1 st	12	37	3,1300	3,0833		45,7	
2 nd	18	35	1,9838	1,9444	1477	72,4	26,8
3 rd	22	31	1,4521	1,4091	1101	100,0	27,5
4 th	26	29	1,1451	1,1154	834	126,3	26,3
5 th	28	26	0,9453	0,9286	670	151,7	25,4
6 th	30	24	0,8049	0,8000	554	176,1	24,4

Graph

