

Three-bearing D gearboxes								
DS19 and ID19 until 9/59								
Gear	Teeth	Ratio	Final Drive	Overall Ratio	speed km/h 1000rpm	speed km/h 3500rpm	Step-up	
1	11/39	0.282		0.072	9.20	32.2		
2	18/34	0.529	9/35=	0.136	17.26	60.42	1.889	
3	22/27	0.815	0.257	0.209	26.59	93.07	1.537	
4	27/23	1.174		0.302	38.30	134.03	1.445	
DS19 9/59-9/65, ID19 9/59-9/66, Break until 9/65								
Gear	Teeth	Ratio	Final Drive	Overall Ratio		speed km/h 3500rpm	Step-up	Step-up
1	11/39	0.282		0.073	9.22	32.29		
2	18/34	0.529	8/31=	0.136	17.31	60.58	1.863	
2*	17/33	0.515	0.258	0.133	16.84	58.96	1.822	
3	22/27	0.815		0.210	26.66	93.31	1.544	1.579
4	27/23	1.174		0.303	38.39	134.38	1.443	
ratio after 1/61 (DS) and 2/61 (ID)								
DS19and ID19 "Mountain" (not listed for Break)								
Gear	Teeth	Ratio	Final Drive	Overall Ratio	speed km/h 1000rpm	speed km/h 3500rpm	Step-up	Step-up
1	11/39	0.282		0.064	8.08	28.28		
2	18/34	0.529	7/31=	0.120	15.16	53.06	1.875	
2*	17/33	0.515	0.226	0.116	14.75	51.64	1.813	
3	22/27	0.815		0.184	23.35	81.73	1.533	1.586
4	27/23	1.174		0.265	28.65	117.7	1.440	
*revised second gear ratio after 1/61 (DS) and 2/61 (ID)								