

Classification of Yarn Faults and Possible Source of Origin

7.00	N4	high RF speed, loose or spun in fly, foreign matter, type of spacers	A4	high RF speed, loose or spun in fly, floating fibers and narrow cage length and tight cage settings	B4	high RF speed, drafting faults, long fibers and narrow cage length and tight cage settings loose fly	C4	drafting faults, excessive fluff in spinning department	D4				
5.00	N3	raw material, high RF speed, fly at traveler, spun in fly, neps, foreign matter	A3	high RF speed, loose or spun in fly, piecing faults, unsuitable travellers	B3	high RF speed, drafting faults, ring piecing, spun in fly	C3	drafting faults, excessive fluff in spinning department cage settings	D3	incorrect settings in draw frame, more piecing in draw frames			
3.90									E				
3.20	N2	low micronaire, immature fibers, bad carding, insufficient nep removal at combing, trash in yarn	A2	high RF speed, loose or spun in fly, settings of spacers, piecing faults, damaged aprons	B2	high RF speed, spacers settings, drafting faults, piecing faults, damaged aprons, excessive trash	C2	speed frame gauge, ringspinn drafting faults, spacer, aprons, long piecing	D2				
2.70													
2.30	N1	low micronaire, immature fibers, bad carding, insufficient nep removal at combing, trash in yarn	A1	raw material, fiber damage in process	B1	excessive trash, drafting faults	C1	raw material, drafting faults, floating fibers	D1				
2.10													
1.80							C0		D0	worn out rings in RF, incorrect settings DF, very high hairiness, piecing in DF, incorrect settings and more sliver breaks in SF, Improper maintenance of spinning machines, insufficient house keeping, insufficient air conditioning, humidity control and return air	F	worn out rings in RF, incorrect settings in DF, high breakages in DF and SF, very high hairiness, Improper maintenance of spinning machines, insufficient air conditioning, humidity control and return air	G
1.60													
1.45													
1.30													
1.20							C00		D00			F00	G00
0.83													
0.80							-C0		-D0			H0	I0
0.75							-C1		-D1	stretch of roving at SF, eccentric bobbins at SF, draw frame settings and maintenance, high breakages at DF and SF, ring hanger jam		H1	I1
0.65													
							-C2		-D2	sliver splitting at SF, creel stretch at RF, settings and maintenance of SF, RF		H2	I2

- Legend:
- RF Ring Frame
 - DF Draw Frame
 - SF Speed Frame (Flyer)