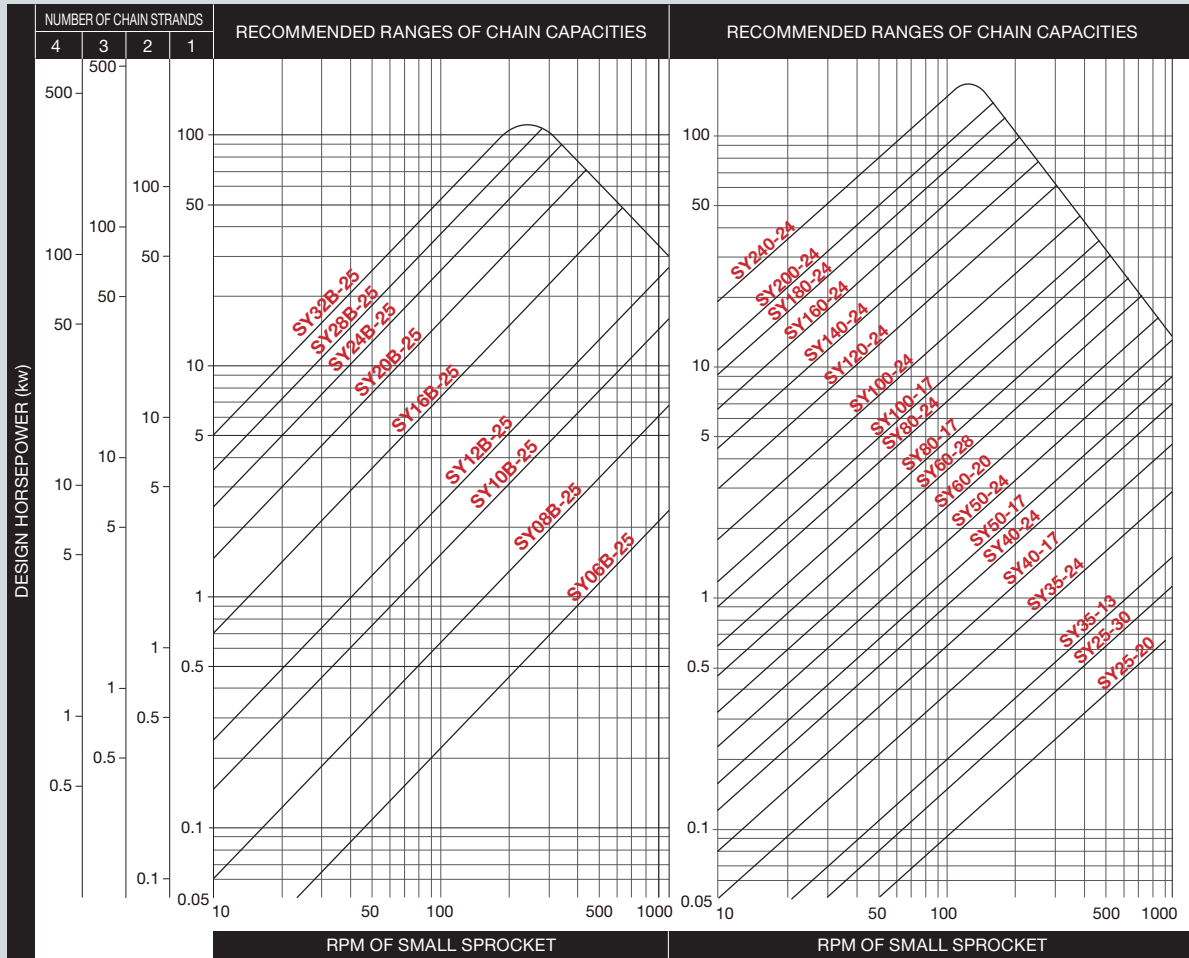


Roller Chain Quick Selection Chart



BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGL. 81X

f1 : SERVICE FACTOR

Driven Load Condition	Interval Combustion Engine		
	Hydraulic Drive	Mechanical Drive	Motor or Turbine
Uniform Smooth	1.1	1.3	1.0
Moderate Shock	1.5	1.7	1.4
Heavy Shock	1.9	2.1	1.8

f2 : MULTI-STRAND FACTOR

Number of roller chain strands	f2
2	1.3
3	1.9
4	2.5
5	3.0
6	3.5
8	4.8

CONCISE SELECTION DATA

SY Chain No.	SY Standard (ANSI)		Each Series				
	Max. Allowable Load	Ave. Tensile Strength	Ave. Ultimate Strength (kN)				
			E	U	H	HE	HU
35	2.48	10.8					
40	4.17	19.1					
50	7.22	31.9					
60	10.7	43.1	47.1		54.9	53.9	
80	19.1	78.5	79.4	84.3	60.2	93.2	98.1
100	29.4	118	119	127	137	142	145
120	39.5	167	174	186	186	191	196
140	52.3	216	227	245	241	252	255
160	69.0	275	294	314	306	319	324
180	79.0	353		412	373		
200	93.0	451		490	520		
240	129.0	677		726	726		

f3 : SPEED COEFFICIENT

Chain Speed	f3
15m/min.	1.0
15 - 30	1.2
30 - 50	1.4

f4 : SAFETY FACTOR

Chain Speed	f4
25m/min.	7 ≤
25 - 50	8 ≤

Technical Information