Appliance selection

- Set the clutch in the drive chain just next to the mechanism to be protected.
- Setting off torque etablished from the nominal torque C Nm:

$C = 9550 \times \frac{P}{N}$ P : engine power (kW), N : clutch rotation speed (rpm)

This value must be put up by 50% to 100% to take the starting overtorque due to the inertia of the dragged mechanism into account.
This value is the starting torque C1. Find in the following table the clutch which accepts this value.

- The maximum torque accepted by the coupling is calculated following the working conditions :

$C_2 = \frac{1,8 \times Cn}{F1.F2.F3}$ Cn : Nominal torque of the coupling(Nm)
F1 : Service factor depends on the load type
F2 : Service factor depends on the temperatur
F3 : Service factor depends on the starting frequency

$C_1 \leq C_2 \rightarrow$ C2 must be at least the same as the starting torque, otherwise look at an higher size.

Service factor F1

Load type	Electric and hydraulic motors	Thermic motors 4 to 6 cylinders	Thermic motors 1 to 3 cylinders
Regular loads With no shocks	1	1,5	2
Average overloads Small Shocks	1,5	2	2,5
High overloads Average loads to accelerate	2	2,5	3
High inertia, high shocks Inversion of torque a rotation	2,5	3	3,5

Service factor F2

Clutch type	Ambient temperature°C								
	30	40	50	60	70	80	90	100	120
G2, F2, S2 G2V, F2V, S2V	1	1	1	1	1	1	1,1	1,2	1,3
G5, F5, S5	1	1,1	1,25	1,4	1,55	1,7	-	-	-

Service factor F3

Clutch type	Number of starts per hour			
	< 10	10 à 60	60 à 120	120 à 240
G2, F2, S2 G2V, F2V, S2V	1	1,25	1,5	2
G5, F5, S5	1	1	1,2	1,3

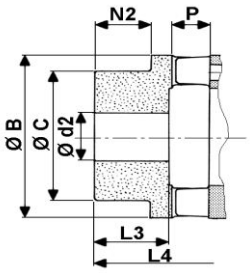
Technical features

	Starting torque in Nm						Box movement in mm (H)		
Clutch type	G			F / S			G	F	S
Pilling-up type	1	2	3	1	2	3			
Size 0	2,5-5	5-10	10-20	5-10	10-20	20-40	1,4	1,2	0,6
Size 1	6-12	12-25	25-60	12-25	25-50	50-100	2,3	1,8	1
Size 2	12-25	25-50	50-120	25-50	50-100	100-200	2,4	2	1,2
Size 3	25-50	50-100	100-250	50-100	100-200	200-400	2,7	2,2	1,2
Size 4	50-100	100-200	200-500	100-200	200-400	400-800	3,7	2,5	1,4

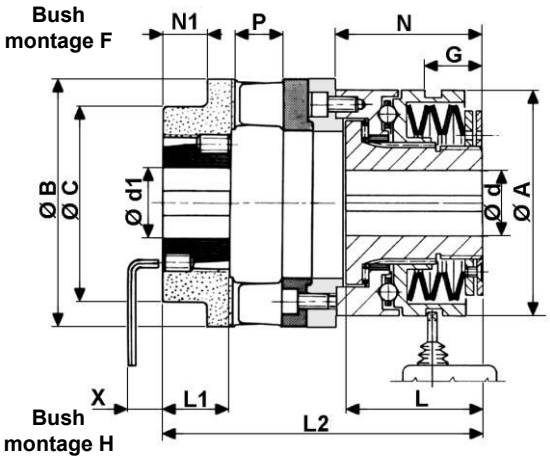
	Rotation speed maxi. in rpm								
Clutch type	G			F			S		
Pilling-up type	1	2	3	1	2	3	1	2	3
Size 0	3300	3300	1800	1000	550	270	4400	4400	3000
Size 1	2890	2890	1450	950	480	240	4300	4300	2900
Size 2	2350	2350	1200	800	400	200	3600	3600	2400
Size 3	2000	2000	1000	650	330	150	3000	3000	1600
Size 4	1650	1650	850	550	270	130	2500	2500	1600

Designation :
SEFCO R2 G53 Size 2 (Type G - 5: option - 3: washer assembly)
SEFCO R2 F21 VH 30.25.32 / Size 1 (Type F - 2: option - 1: washer assembly - V: VECOBLOC bush version)®
H : Type of bush assembly - 30.25: designation VECOBLOC® - 32: ref. COFLEX®)

Prebored version (G2, F2 et S2)



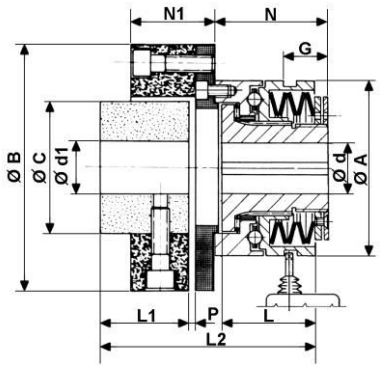
VECOBLOC® version(G2V, F2V et S2V)



COFLEX® Coupling				
Size COFLEX	Misalignment radial mm	angular °	axial mm	Nominal torque Nm
28	0,3	1	±0,5	80
32	0,4	1	±0,5	160
42	0,5	1	±1	240
50	0,6	1	±1	360
65	0,7	1	±1	650

Size	A	B	C	d		d1		Bush		d2	G	L	L1	L2	L3	L4	N	N1	N2	P	X
				prebo.	max.	preb.	max.	Internat.	Veco.	max.											
0	55	74	58	7	20	10	32	1108	28.20	28	16,5	35,4	21	92,5	28	99,5	38,5	13	20	17	25
1	82	92	74	10	25	10	40	1210	30.25	32	20,5	48,9	26	114	35	123	52	16	25	18	35
2	100	114	114	14	35	15	55	1610	40.25	42	21	57,4	26	133	42	149	61	16	32	24	35
3	120	132	132	18	45	18	65	2012	50.30	50	31	73,9	31	165	50	184	78	20	39	30	35
4	146	156	156	24	55	20	75	2517	65.45	65	36	95,9	46	213	65	232	100	30	49	36	40

SEFCO® R2 with high elasticity prebored coupling (G5, F5 et S5)



Size	Misalignment radial mm	angular °	axial mm	Nominal torque Nm
0	1,5	3	± 1,5	20
1	2	3	± 2	80
2	2	3	± 2,5	160
3	2	3	± 2,5	400
4	2	3	± 2,5	900

Size	A	B	C	∅ d		∅ d1		G	L	L1	L2	N	N1	P
0	55	85	40	7	20	10	26	16,5	35,5	21	70,5	38,5	32	4
1	82	120	60	10	25	12	38	20,5	48,9	26	94	52	42	4
2	100	150	70	14	35	15	48	21	57,4	26	115	61	54	6
3	120	200	100	18	45	20	65	31	73,9	31	152	78	74	8
4	146	260	125	24	50	30	85	36	95,9	46	186	100	86	8