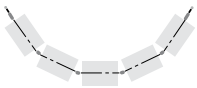
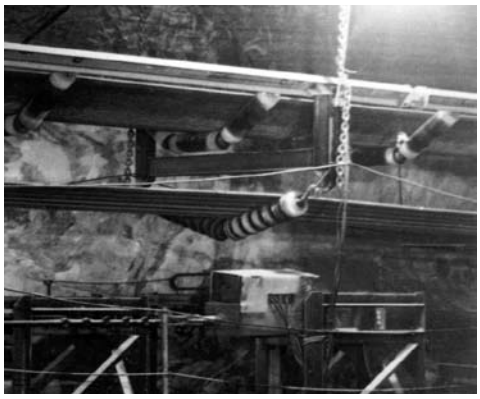
3.6.3 - Programme

Garland type	arrangements	description
GS 2		for upper and return set with two rollers
GS 3		for upper and impact set with three rollers
GS 5		for upper and impact set with five rollers
Suspension brackets and connections		for upper and return sets

3 Troughing sets

"garland" series

GS2



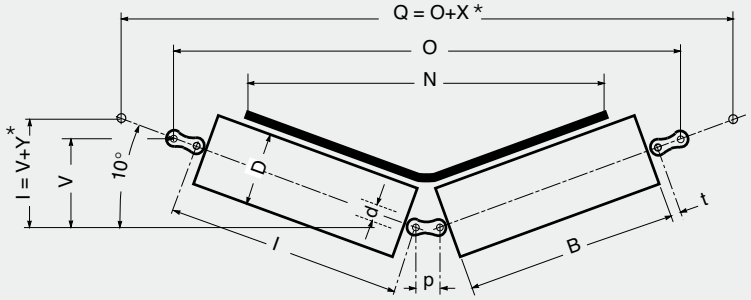
The diameters and types of rollers in the table are those advised for suspended sets with two rollers, for different widths of belt.
The diameter of the roller is chosen from those possible for the type of roller considered (see chapter 2 rollers) and must be suitable for the speed and load capacity of the belt (see chapter 2 para. 2.3 selection method).

Rollers that may be utilised to comprise the "garland" GS2 must be from the series PSV, PL, PLF, and where needed, with return rings (see chapter 2, rollers with rings).

belt width mm	roller D mm	B	I	A	type	bearing	V	O	spindle d	spindle p	form of suspensions
500	63-89 108-133	315	343	363	PSV 1	6204	64	751	20	25.40	A-C-F
		315	347	371	PSV 2	6205	66	778	25	31.75	A-C-F
		315	347	371	PSV 3	6305	66	778	25	31.75	A-C-F
650	63-89 108-133	380	408	428	PSV 1	6204	75	879	20	25.40	A-C-F
		380	412	436	PSV 2	6205	77	906	25	31.75	A-C-F
		380	412	436	PSV 3	6305	77	906	25	31.75	A-C-F
		380	420	452	PSV 4	6206	80	940	30	38.10	B-C-F
800	63-89-108 133-159	465	493	513	PSV 1	6204	90	1046	20	25.40	A-C-F
		465	497	521	PSV 2	6205	92	1073	25	31.75	A-C-F
		465	497	521	PSV 3	6305	92	1073	25	31.75	A-C-F
		465	505	537	PSV 4	6206	94	1108	30	38.10	B-C-F
1000	63-89-108 133-159	600	628	648	PSV 1	6204	113	1312	20	25.40	A-C-F
		600	632	656	PSV 2	6205	115	1339	25	31.75	A-C-F
		600	632	656	PSV 3	6305	115	1339	25	31.75	A-C-F
		600	640	672	PSV 4	6206	118	1374	30	38.10	B-C-F
1200	89-108 133-159	700	728	748	PSV 1	6204	131	1509	20	25.40	A-C-F
		700	732	756	PSV 2	6205	133	1536	25	31.75	A-C-F
		700	732	756	PSV 3	6305	133	1536	25	31.75	A-C-F
		700	740	772	PSV 4	6206	135	1571	30	38.10	B-C-F
		700	744	776	PSV/7-FHD	6308	137	1597	40	44.45	B-C-F
1400	89-108 133-159-194	800	828	848	PSV 1	6204	148	1706	20	25.40	A-C-F
		800	832	856	PSV 2	6205	150	1733	25	31.75	A-C-F
		800	832	856	PSV 3	6305	150	1733	25	31.75	A-C-F
		800	840	872	PSV 4	6206	152	1768	30	38.10	B-C-F
		800	844	876	PSV/7-FHD	6308	154	1794	40	44.45	B-C-F

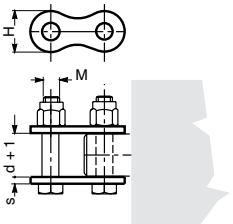
Example of ordering
standard design
GS2,1000/PSV1,20K,89N,C=628

specify form and suspensions
(see page 246-247 for available types)



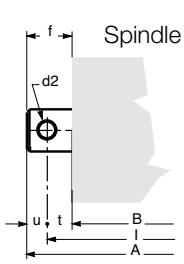
* for X and Y measures see pages 246-247 regarding to the suspensions

belt width mm	roller D mm	B	l	A	type	bearing	V	O	spindle d	spindle p	form of suspensions
1600	89-108 133-159-194	900	932	956	PSV 2	6205	167	1930	25	31.75	A-C-F
		900	932	956	PSV 3	6305	167	1930	25	31.75	A-C-F
		900	940	972	PSV 4	6206	170	1965	30	38.10	B-C-F
		900	944	976	PSV/7-FHD	6308	172	1991	40	44.45	B-C-F
1800	108-133 159-194	1000	1032	1056	PSV 2	6205	185	2127	25	31.75	A-C-F
		1000	1032	1056	PSV 3	6305	185	2127	25	31.75	A-C-F
		1000	1040	1072	PSV 4	6206	187	2162	30	38.10	B-C-F
		1000	1044	1076	PSV/7-FHD	6308	189	2188	40	44.45	B-C-F
2000	133 159-194	1100	1132	1156	PSV 2	6205	202	2324	25	31.75	A-C-F
		1100	1132	1156	PSV 3	6305	202	2324	25	31.75	A-C-F
		1100	1140	1172	PSV 4	6206	205	2359	30	38.10	B-C-F
		1100	1144	1176	PSV/7-FHD	6308	206	2385	40	44.45	B-C-F
2200	133 159-194	1250	1282	1306	PSV 3	6305	228	2619	25	31.75	A-C-F
		1250	1290	1322	PSV 5	6306	231	2654	30	38.10	B-C-F
		1250	1294	1326	PSV/7-FHD	6308	232	2681	40	44.45	B-C-F
2400	133 159-194	1400	1432	1456	PSV 3	6305	254	2915	25	31.75	A-C-F
		1400	1440	1472	PSV 5	6306	257	2949	30	38.10	B-C-F
		1400	1444	1476	PSV/7-FHD	6308	258	2976	40	44.45	B-C-F
2600	159 194	1500	1544	1576	PSV/7-FHD	6308	276	3173	40	44.45	B-C-F



d	20	25	30	40
s	3	4	5	6
H	21	24	30	36
M	8	10	14	16

Spindle design **K**



d	20	25	30	40
u	10	12	16	16
t	14	16	20	22
f	24	28	36	38
d_2	8,3	10,3	14,5	16,5

3 Troughing sets

"garland" series

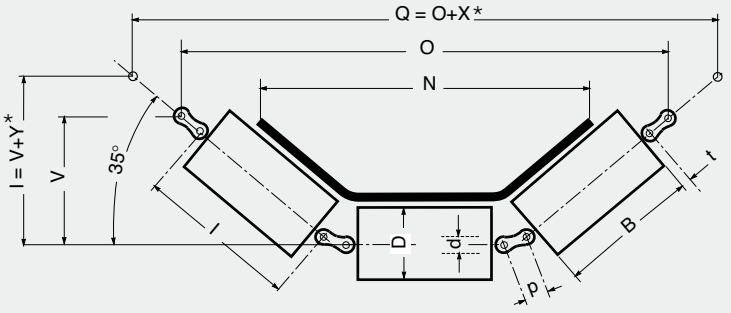
GS3

The diameters and types of rollers in the table are those advised for suspended sets with three rollers, for different widths of belt. The diameter of the roller is chosen from those possible for the type of roller considered (see chapter 2 rollers) and must be suitable for the speed and load capacity of the belt (see chapter 2 para. 2.3 selection method).
Rollers that may be utilised to comprise the “garland” GS3 must be from the series PSV, PL, PLF, exceptionally, and only where absolutely necessary, with impact rings (see chapter 2, impact rollers).

belt width mm	roller D mm	B	I	A	type	bearing	V	O	spindle d	spindle p	form of suspensions
500	63-89 108-133	200	228	248	PSV 1	6204	153	692	20	25.40	A-C
		200	232	256	PSV 2	6205	161	725	25	31.75	A-C
		200	232	256	PSV 3	6305	161	725	25	31.75	A-C
		200	240	272	PSV 4	6206	171	768	30	38.10	B-C-E
650	63-89 108-133	250	278	298	PSV 1	6204	182	824	20	25.40	A-C
		250	282	306	PSV 2	6205	190	857	25	31.75	A-C
		250	282	306	PSV 3	6305	190	857	25	31.75	A-C
		250	290	322	PSV 4	6206	200	900	30	38.10	B-C-E
800	63-89 108-133-159	315	343	363	PSV 1	6204	219	995	20	25.40	A-C
		315	347	371	PSV 2	6205	227	1028	25	31.75	A-C
		315	347	371	PSV 3	6305	227	1028	25	31.75	A-C
		315	355	387	PSV 4	6206	237	1072	30	38.10	B-C-E
1000	63-89 108-133-159	380	408	428	PSV 1	6204	256	1166	20	25.40	A-C
		380	412	436	PSV 2	6205	264	1200	25	31.75	A-C
		380	412	436	PSV 3	6305	264	1200	25	31.75	A-C
		380	420	452	PSV 4	6206	274	1243	30	38.10	B-C-E
1200	89-108 133-159	465	493	513	PSV 1	6204	305	1391	20	25.40	A-C
		465	497	521	PSV 2	6205	313	1424	25	31.75	A-C
		465	497	521	PSV 3	6305	313	1424	25	31.75	A-C
		465	505	537	PSV 4	6206	323	1467	30	38.10	B-C-E
		465	509	541	PSV/7-FHD	6308	331	1501	40	44.45	B-C-E
1400	89-108 133-159-194	530	558	578	PSV 1	6204	342	1562	20	25.40	A-C
		530	562	586	PSV 2	6205	350	1595	25	31.75	A-C
		530	562	586	PSV 3	6305	350	1595	25	31.75	A-C
		530	570	602	PSV 4	6206	360	1639	30	38.10	B-C-E
		530	574	606	PSV/7-FHD	6308	368	1672	40	44.45	B-C-E

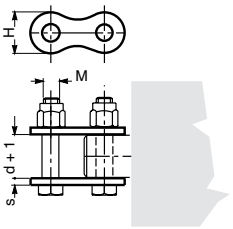
Example of ordering
standard design
GS3,1200/PSV4,30K,133N,C=505

specify form and suspensions
(see page 246-247 for available types)

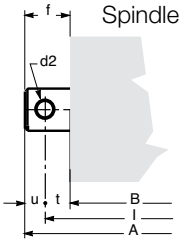


* for X and Y measures see pages 246-247 regarding to the suspensions

belt width mm	roller D mm	B	I	A	type	bearing	V	O	spindle d	spindle p	form of suspensions
1600	89-108 133-159-194	600	632	656	PSV 2	6205	390	1780	25	31.75	A-C
		600	632	656	PSV 3	6305	390	1780	25	31.75	A-C
		600	640	672	PSV 4	6206	400	1824	30	38.10	B-C-E
		600	644	676	PSV/7-FHD	6308	408	1857	40	44.45	B-C-E
1800	108-133 159-194	670	702	726	PSV 2	6205	430	1965	25	31.75	A-C
		670	702	726	PSV 3	6305	430	1965	25	31.75	A-C
		670	710	742	PSV 4	6206	441	2008	30	38.10	B-C-E
		670	710	742	PSV 5	6306	441	2008	30	38.10	B-C-E
		670	714	746	PSV/7-FHD	6308	448	2041	40	44.45	B-C-E
2000	133 159-194	750	790	822	PSV 4	6206	486	2219	30	38.10	B-C-E
		750	790	822	PSV 5	6306	486	2219	30	38.10	B-C-E
		750	794	826	PSV/7-FHD	6308	494	2252	40	44.45	B-C-E
2200	133 159-194	800	840	872	PSV 4	6206	515	2351	30	38.10	B-C-E
		800	840	872	PSV 5	6306	515	2351	30	38.10	B-C-E
		800	844	876	PSV/7-FHD	6308	523	2384	40	44.45	B-C-E
2400	133 159-194	900	940	972	PSV 4	6206	572	2615	30	38.10	B-C-E
		900	940	972	PSV 5	6306	572	2615	30	38.10	B-C-E
		900	944	976	PSV/7-FHD	6308	580	2648	40	44.45	B-C-E
2600	159 194	950	994	1026	PSV/7-FHD	6308	609	2780	40	44.45	B-C-E



d	20	25	30	40
s	3	4	5	6
H	21	24	30	36
M	8	10	14	16



Spindle design **K**

d	20	25	30	40
u	10	12	16	16
t	14	16	20	22
f	24	28	36	38
d_2	8,3	10,3	14,5	16,5

3 Troughing sets

"garland" series

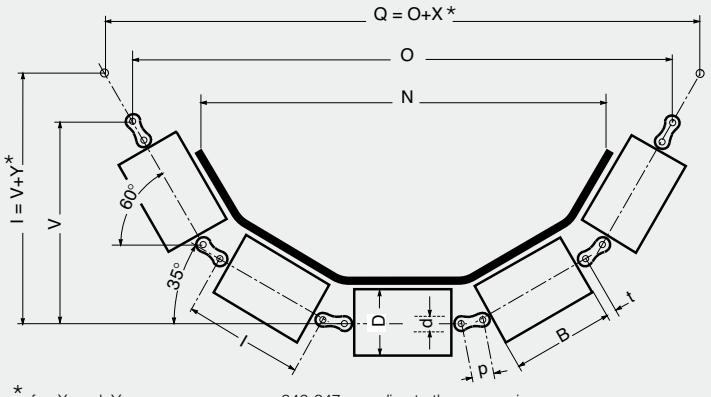
GS5

The diameters and types of rollers in the table are those advised for suspended sets with five rollers, for different widths of belt.
The diameter of the roller is chosen from those possible for the type of roller considered (see chapter 2 rollers) and must be suitable for the speed and load capacity of the belt (see chapter 2 para. 2.3 selection method).
Rollers that may be utilised to comprise the "garland" GS5 must be from the series PSV, PL, PLF, exceptionally, and only where absolutely necessary, with impact rings (see chapter 2, impact rollers).

belt width mm	roller D mm	B	l	A	type	bearing	V	O	spindle d	spindle p	form of suspensions
800	89 108-133	165	193	213	PSV 1	6204	326	810	20	25.40	A-C
		165	197	221	PSV 2	6205	344	852	25	31.75	A-C
		165	197	221	PSV 3	6305	344	852	25	31.75	A-C
		165	205	237	PSV 4	6206	368	908	30	38.10	B-C-E
1000	89 108-133	205	233	253	PSV 1	6204	384	956	20	25.40	A-C
		205	237	261	PSV 2	6205	402	997	25	31.75	A-C
		205	237	261	PSV 3	6305	402	997	25	31.75	A-C
		205	245	277	PSV 4	6206	425	1054	30	38.10	B-C-E
1200	89-108 133-159	250	278	298	PSV 1	6204	449	1120	20	25.40	A-C
		250	282	306	PSV 2	6205	466	1161	25	31.75	A-C
		250	282	306	PSV 3	6305	466	1161	25	31.75	A-C
		250	290	322	PSV 4	6206	490	1217	30	38.10	B-C-E
		250	294	326	PSV/7-FHD	6308	508	1259	40	44.45	B-C-E
1400	89-108 133-159-194	290	318	338	PSV 1	6204	506	1265	20	25.40	A-C
		290	322	346	PSV 2	6205	524	1307	25	31.75	A-C
		290	322	346	PSV 3	6305	524	1307	25	31.75	A-C
		290	330	362	PSV 4	6206	548	1363	30	38.10	B-C-E
		290	334	366	PSV/7-FHD	6308	565	1404	40	44.45	B-C-E
1600	89-108 133-159-194	340	372	396	PSV 2	6205	596	1489	25	31.75	A-C
		340	372	396	PSV 3	6305	596	1489	25	31.75	A-C
		340	380	412	PSV 4	6206	620	1545	30	38.10	B-C-E
		340	384	416	PSV/7-FHD	6308	637	1586	40	44.45	B-C-E

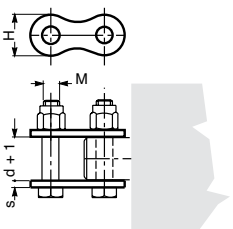
Example of ordering
standard design
GS5,1600/PSV/7-FHD,40K,159N,C=384

specify form and suspensions
(see page 246-247 for available types)



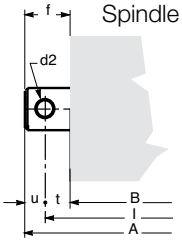
* for X and Y measures see pages 246-247 regarding to the suspensions

belt width mm	roller D mm	B	I	A	type	bearing	V	O	spindle d	spindle p	form of suspensions
1800		**380**	**412**	**436**	**PSV 2**	**6205**	**654**	**1634**	**25**	**31.75**	**A-C**
	108-133 159-194	**380**	**412**	**436**	**PSV 3**	**6305**	**654**	**1634**	**25**	**31.75**	**A-C**
		380	**420**	**452**	**PSV 4**	**6206**	**677**	**1690**	**30**	**38.10**	**B-C-E**
		380	**420**	**452**	**PSV 5**	**6306**	**677**	**1690**	**30**	**38.10**	**B-C-E**
		380	**424**	**456**	**PSV/7-FHD**	**6308**	**695**	**1732**	**40**	**44.45**	**B-C-E**
2000		**420**	**460**	**492**	**PSV 4**	**6206**	**735**	**1836**	**30**	**38.10**	**B-C-E**
	133 159-194	**420**	**460**	**492**	**PSV 5**	**6306**	**735**	**1836**	**30**	**38.10**	**B-C-E**
		420	**464**	**496**	**PSV/7-FHD**	**6308**	**753**	**1877**	**40**	**44.45**	**B-C-E**
2200		**460**	**500**	**532**	**PSV 4**	**6206**	**792**	**1981**	**30**	**38.10**	**B-C-E**
	133 159-194	**460**	**500**	**532**	**PSV 5**	**6306**	**792**	**1981**	**30**	**38.10**	**B-C-E**
		460	**504**	**536**	**PSV/7-FHD**	**6308**	**810**	**2023**	**40**	**44.45**	**B-C-E**
2400		**500**	**540**	**572**	**PSV 4**	**6206**	**850**	**2127**	**30**	**38.10**	**B-C-E**
	133 159-194	**500**	**540**	**572**	**PSV 5**	**6306**	**850**	**2127**	**30**	**38.10**	**B-C-E**
		500	**544**	**576**	**PSV/7-FHD**	**6308**	**868**	**2169**	**40**	**44.45**	**B-C-E**
2600	**159 194**	**540**	**584**	**616**	**PSV/7-FHD**	**6308**	**925**	**2314**	**40**	**44.45**	**B-C-E**



d	**20**	**25**	**30**	**40**
s	3	4	5	6
H	21	24	30	36
M	8	10	14	16

Spindle design **K**



d	**20**	**25**	**30**	**40**
u	10	12	16	16
t	14	16	20	22
f	24	28	36	38
d_2	8,3	10,3	14,5	16,5