

## Vulkollan® for the most demanding requirements

the material Vulkollan® is a highly elastic, cross-linked polyurethane elastomer based on desmodur 15. It is characterized by its excellent wear resistance and durability. Vulkollan® has a high load capacity and is oil-resistant. Vulkollan® is particularly suitable for drive applications. re-coating services for your existing cores are available on request.

### Properties

- ☞ high load capacity
- ☞ run quietly
- ☞ durable and abrasion-resistant
- ☞ resistant to cutting by metal chips
- ☞ resistant to oil and grease
- ☞ high elongation at breakage
- ☞ elastic ductility
- ☞ also available with hydrolysis protection
- ☞ (especially recommended for usage in high air humidity)
- ☞ resistant to UV radiation



### Shore hardness

approx. 92° Shore A

### Temperature range

Vulkollan® can be used from 20° C to 90° C.

### Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ precision bore and keyway groove

### areas of use // floors





**Description:**

- running wheels and drive wheels
- wheel body with welded steel or cast iron construction
- rim with press-on hydraulic, steel wire reinforced or steel-ring press-on running wheels: featuring two precision ball bearings
- for drive wheels, the hubs are available with fit and feather key groove (according to DIN 6885). hub receptacles for clamping bushings are also an option



order number	wheel ø mm	wheel width mm	rim-ø mm	hub ø mm	hub length mm	bore hole mm	weight kg	load-carrying capacity kg
EGS...	125	50	75	75	60	20/25	1.0	160
EGS...	150	50	100	57/60	60	20/25	1.2	225
EGS...	160	50	100	57/60	60	20/25	1.2	250
EGS...	180	50	120	60	60	25	1.3	325
EGS...	200	50	140	57/60	60	20/25	2.4	350
EGS...	200	75	100	60/70	85	25/30	4.0	500
EGS...	200	85	105	60/70/83	95	25/30/35	5.0	550
EGS...	230	50	170	60	60	25	4.0	400
EGS...	250	50	190	70	60	30	5.5	450
EGS...	250	60	190	60/70	70	25/30	5.5	525
EGS...	250	75	140	70	85	30	6.0	625
EGS...	250	80	170	60/70/83	90	25/30/35	5.5	675
EGS...	250	130	140	70/83/95	140	30/35/40	12.0	975
EGS...	260	60	170	70	70	30	5.5	575
EGS...	265	160	169	95/102	170	40/45/50	5.5/15.0	1,150

order number	wheel ø mm	wheel width mm	rim-ø mm	hub ø mm	hub length mm	bore hole mm	weight kg	load-carrying capacity kg
EGS...	270	105	170	76/83/95	115	30/35/40	8.0	900
EGS...	280	50	220	60/70	60	25/30	7.0	525
EGS...	280	60	190	60/70	70	25/30	6.0	575
EGS...	280	75	220	76	85	30	8.0	725
EGS...	300	75	220	76	85	30	8.0	750
EGS...	300	85	170	76/83	95	30/35	8.0	675
EGS...	300	90	203	76/83/95	100	30/35/40	10.0	900
EGS...	300	100	203	83/95	110	35/40	10.5	975
EGS...	310	60	220	70	70	30	9.0	650
EGS...	310	100	170	83/95	110	35/40	8.5	950
EGS...	310	120	220	95	130	40	12.0	1,050
EGS...	360	60	270	70/83/95	70	30/35/40	9.0	750
EGS...	360	75	270	70/83	85	30/35	9.5	950
EGS...	360	85	270	76/83	95	30/35	10.0	1,050
EGS...	400	65	305	76/83/95	75	30/35/40	15.0	900
EGS...	400	75	305	83	85	35	15.0	1,000
EGS...	405	130	305	95/107/121	140	40/45/50/55	23.0	1,500
EGS...	415	90	305	89/95	100	35/40	15.0	1,150
EGS...	415	100	305	95	110	40	16.0	1,250
EGS...	425	150	305	108/114	160	45/55	25.0	1,900
EGS...	455	100	305	83/95/108	110	35/40/45	23.0	1,350
EGS...	500	65	410	95	75	40	20.0	1,100
EGS...	500	85	370	89/95	95	35/40	22.0	1,300
EGS...	520	100	370	95/108	110	40/45/50	29.0	1,525
EGS...	540	200	410	140	210	65	60.0	3,270
EGS...	550	120	410	108	130	50	40.0	1,825
EGS...	550	160	410	133	170	60	60.0	2,250

Matching accessories can be found on page 432



Non-marking, oil-resistant or electrically conductive tires can be delivered on request. Drive wheels have a Shore hardness of approx. 69° Shore A, while running wheels have a hardness of approx. 67° Shore A.

The wheels are optionally available as either a fork wheel (with an axle opening on both sides) or as an end wheel (with a screw-on dust cap on one side). All of these wheel versions can, on request, be delivered with other holes and hub lengths.

**Note:**

For flanged wheels, the flange geometry must be specified according to the ordering example below:

Running wheel: EGS-310-60-70-K20

Drive wheel: EKS-310-60-70-P20-H7-groove

Flanged wheel: EGFS-310-60-4-10.5-85-25

(Number of mounting holes, screw hole  $\varnothing$ , pitch circle  $\varnothing$ , center hole  $\varnothing$ )

order number	wheel $\varnothing$ mm	wheel width mm	rim- $\varnothing$ mm	hub $\varnothing$ mm	hub length mm	bore hole mm	weight kg	load- carrying capacity kg
EGS...	560	100	410	95/108	110	40/45	38.0	1,600
EGS...	610	150	410	108/121	160	50/55	50.0	2,250
EGS...	620	200	410	108/140	210	55/65	67.0	3,000
EGS...	645	200	480	160	210	80	72.0	3,100
EGS...	645	250	410	160	260	80	85.0	3,700
EGS...	645	300	410	160	310	80	100.0	4,700



**Features:**

- VUAG and VUAS wheel series:
- wheel body made of special grey cast iron (the VUAG series)
- wheel body made of steel (the VUAS series)
- tread made of molded Vulkollan®, approx. 92° shore A, with precision bore and keyway groove in compliance with DIN 6885 for use as drive wheel

**Properties:**

- high load capacity
- excellent cut resistance
- excellent chemical resistance
- durable and abrasion-resistant
- UV resistance
- (old designation: VVA)

**floors**



driving wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub ø mm	hub length mm	load-carrying capacity kg
VUAS-100-25-17-P25-H7-PFN Ident No.: 0038404	100	25	25		17	240
VUAG-100-35-40-P32-H7-PFN Ident No.: 0036250	100	35	32		40	320
VUAS-100-40-40-P30-H7-PFN Ident No.: 0030852	100	40	30		40	360
VUAG-100-50-50-P20-H7-PFN Ident No.: 0035394	100	50	20		50	450
VUAS-100-50-50-P25-H7-PFN Ident No.: 0017644	100	50	25		50	450
VUAG-100-50-50-P35-H7-PFN Ident No.: 0034068	100	50	35		50	450
VUAS-125-40-40-P25-H7-PFN Ident No.: 0034009	125	40	25		40	340
VUAG-125-50-50-P30-H7-PFN Ident No.: 0032206	125	50	30	60	50	560
VUAG-125-50-50-P30-H7-PFN Ident No.: 0034863	125	50	30		50	350
VUAG-125-50-50-P35-H7-PFN Ident No.: 0017645	125	50	35	60	50	560
VUAG-150-50-50-P25-H7-PFN Ident No.: 0030840	150	50	25	61	50	650
VUAG-150-50-50-P30-H7-PFN Ident No.: 0032098	150	50	30	71	50	660
VUAG-150-50-50-P35-H7-PFN Ident No.: 0017646	150	50	35	61	50	660
VUAG-150-50-50-P40-H7-PFN Ident No.: 0031922	150	50	40		50	660
VUAG-150-50-50-P20-H7-PFN Ident No.: 0031355	150	50	20		50	650
VUAG-150-50-50-P45-H7-PFN Ident No.: 0037045	150	50	45	70	50	680

driving wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub ø mm	hub length mm	load-carrying capacity kg
VUAS-160-50-38-P20-H7-PFN Ident No.: 0037632	160	50	20		38	730
VUAG-160-50-50-P24-H7-PFN Ident No.: 0032097	160	50	24	61	50	730
VUAG-160-50-50-P25-H7-PFN Ident No.: 0036990	160	50	25	61	50	700
VUAG-160-50-50-P30-H7-PFN Ident No.: 0032847	160	50	30	61	50	730
VUAG-160-50-50-P35-H7-PFN Ident No.: 0017647	160	50	35	60	50	720
VUAG-180-55-60-P30-H7-PFN Ident No.: 0031816	180	55	30	63	60	900
VUAG-180-55-60-P25-H7-PFN Ident No.: 0036016	180	55	25	63	60	900
VUAG-180-60-60-P35-H7-PFN Ident No.: 0017648	180	60	35	65	60	800
VUAS-200-38-40-P20-H7-PFN Ident No.: 0032317	200	38	20		40	690
VUAS-200-50-50-P30-H7-PFN Ident No.: 0032265	200	50	30		50	800
VUAG-200-50-60-P35-H7-PFN Ident No.: 0017649	200	50	35	65	60	1,000
VUAG-200-80-80-P50-H7-PFN Ident No.: 0017650	200	80	50	75	80	1,200
VUAG-200-80-80-P35-H7-PFN Ident No.: 0038281	200	80	35		80	1,400
VUAS-200-100-100-P35-H7-PFN Ident No.: 0039960	200	100	35		100	1,800
VUAG-250-50-60-P50-H7-PFN Ident No.: 0017651	250	50	50	90	60	1,100
VUAG-250-50-60-P23-H7-PFN Ident No.: 0032377	250	50	23		60	900
VUAG-250-50-50-P40-H7-PFN Ident No.: 0038625	250	50	40		50	1,100
VUAG-250-50-60-P40-H7-PFN8 Ident No.: 0036112	250	50	40	90	60	1,140
VUAG-250-50-60-P62-H7-PFN Ident No.: 0035682	250	50	62	83	60	900
VUAG-250-80-80-P40-H7-PFN Ident No.: 0031340	250	80	40		80	1,800
VUAG-250-80-80-P50-H7-PFN Ident No.: 0017652	250	80	50	102	80	1,700
VUAS-250-100-100-P50-H7-PFN Ident No.: 0031782	250	100	50		100	2,290
VUAG-300-60-65-P50-H7-PFN Ident No.: 0017653	300	60	50	82	65	1,600
VUAG-300-80-80-P40-H7-PFN Ident No.: 0032792	300	80	40	108	80	2,200
VUAS-400-125-125-P50-H7-PFN Ident No.: 0032671	400	125	50	78	125	4,580
VUAS-400-150-160-P75-H7-PFN Ident No.: 0031842	400	150	75	121	160	5,500
VUAS-500-150-150-P80-H7-PFN Ident No.: 0030968	500	150	80		150	5,700
VUAS-500-150-160-P70-H7-PFN Ident No.: 0034216	500	150	70	139	160	5,700