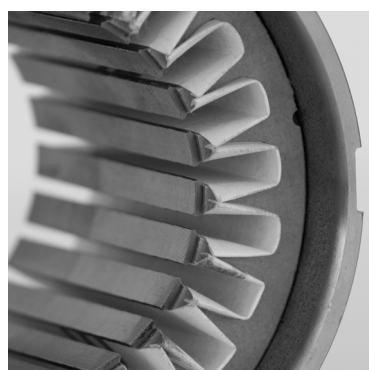
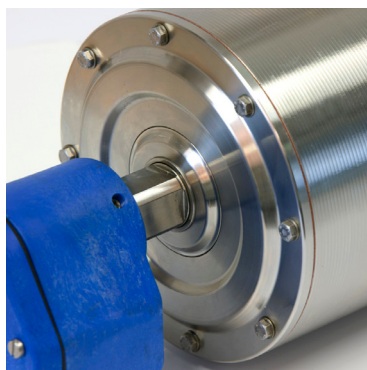


Product information

Drummotors

TM 160-30



Van der Graaf
Power Transmission Equipment





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Introduction

This catalogue contains standard designs of the TM 160-30. This drummotor can be provided in steel or (partly) stainless steel (304 or 316). Stainless steel executions have different dimensions then steel executions.

For different lengths or executions please contact us or your local distributor.

We reserve the right to change technical specifications.

Address details

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Product overview TM 160-30

TYPE TM 160.30	Power kW	Beltspeed m/s at 50 Hz Beltpull N								Min. L mm Design A	Min. L mm Design B	Full load curr. 400 V - 50 Hz I = ... A	Weight kg L=350	
230	2,20	4,00 520	3,40 615	2,80 745	2,60 805	2,10 995	1,70 1230			400	450	5,6	32	
230 Z		1,40 1495												
230 ZV		1,30 1610	1,20 1740	1,15 1815	1,00 2090	0,90 2320	0,85 2460	0,80 2610						
220	1,50	4,00 355	3,40 420	2,80 510	2,60 550	2,10 680	1,70 840			350	400	3,3	31	
220 Z		1,40 1020	1,30 1095	1,20 1190	1,15 1240	1,00 1425								
220 ZV		0,90 1585	0,85 1675	0,80 1780										
420	1,50	2,50 570	2,10 680	1,80 790	1,60 890	1,30 1095	1,10 1295			400	450	3,7	32	
420 ZV		0,85 1675	0,80 1780	0,75 1900	0,70 2035	0,65 2190	0,60 2375	0,55 2590						
415	1,10	2,00 525	1,70 615	1,40 745	1,25 835	1,10 950	0,85 1230			350	400	2,8	31	
415 Z		0,70 1495												
415 ZV		0,65 1610	0,60 1740	0,55 1900	0,50 2090	0,45 2320	0,40 2615							
410	0,75	2,00 355	1,70 420	1,40 510	1,25 570	1,10 650	0,85 840	0,75 950	0,70 1020	350	400	1,9	30	
410 Z		0,65 1095	0,60 1190	0,55 1295	0,50 1425									
410 ZV		0,45 1585	0,40 1780	0,34 2095						400	425			
410 PL2		0,27 2555	0,23 3000											
475	0,55	2,00 260	1,70 305	1,40 375	1,25 420	1,10 475	0,85 615	0,75 695	0,70 745	0,55 950	350	400	1,6	29
475 Z		0,50 1045	0,45 1160	0,40 1305	0,34 1535									
475 ZV		0,31 1685								400	425			
475 PL2		0,18 2810												
675	0,55	0,95 550	0,60 870							350	400	1,6	31	
675 Z		0,37 1410												
675 ZV		0,29 1800	0,27 1935	0,23 2270										



TYPE TM 160.30	Power kW	Beltspeed m/s at 50 Hz Beltpull N										Min. L mm Design A	Min. L mm Design B	Full load curr. 400 V - 50 Hz I = ... A	Weight kg L=350
605	0,37	1,40 250	1,10 320	0,95 370	0,85 415	0,70 500	0,60 585	0,50 705	0,45 780	0,35 1005		350	400	1,4	30
605 Z		0,30 1170	0,29 1210	0,27 1300											
605 ZV		0,23 1530	0,20 1760												
605 PL2		0,18 1890	0,15 2270	0,12 2835								400	425		
634	0,25	1,40 170	1,10 215	0,95 250	0,85 280	0,70 340	0,60 395	0,50 475	0,45 530	0,35 680	0,30 790	350	400	0,9	29
634 Z		0,29 820	0,27 880	0,23 1035	0,20 1190										
834	0,25	1,00 240	0,65 365	0,55 430	0,40 595	0,26 915						350	400	1,0	31
834 Z		0,17 1395	0,15 1585												
834 PL2		0,14 1645	0,12 1915	0,09 2555								400	425		
825	0,18	1,00 170	0,85 200	0,70 245	0,65 265	0,55 310	0,40 430	0,35 490	0,26 660	0,23 745		350	400	0,9	30
825 Z		0,20 855	0,17 1005	0,15 1140											
818	0,13	1,00 125	0,85 145	0,70 175	0,65 190	0,55 225	0,40 310	0,35 355	0,26 475	0,23 535		350	400	0,6	29
818 Z		0,20 620	0,17 725	0,15 825											
1218	0,13	0,45 275	0,33 375									350	400	0,9	31
1218 Z		0,13 950	0,11 1125	0,10 1235											
1218 PL2		0,09 1330	0,07 1710	0,06 1995								400	425		
1213	0,10	0,65 145	0,55 175	0,45 210	0,40 240	0,33 290	0,27 350	0,24 395	0,22 430	0,17 560	0,14 680	350	400	0,8	30
1213 Z		0,13 730	0,11 865	0,10 950											

Available standard facewidth's: 350 - 400 - 425 - 450 - 500 - 550 - 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 mm

Other beltspeeds and facewidth's upon request.

Two speed drummotors upon request.

Other powers and frequencies upon request.

When an electro-mechanical brake is fitted, the minimum facewidth is increased by 100 mm.

The total weight of a drummotor grows approx. 2,5 kg. per 100 mm.

Available torque: (Beltpull N x Drumdiameter m)/2 Nm (max. 260 Nm)

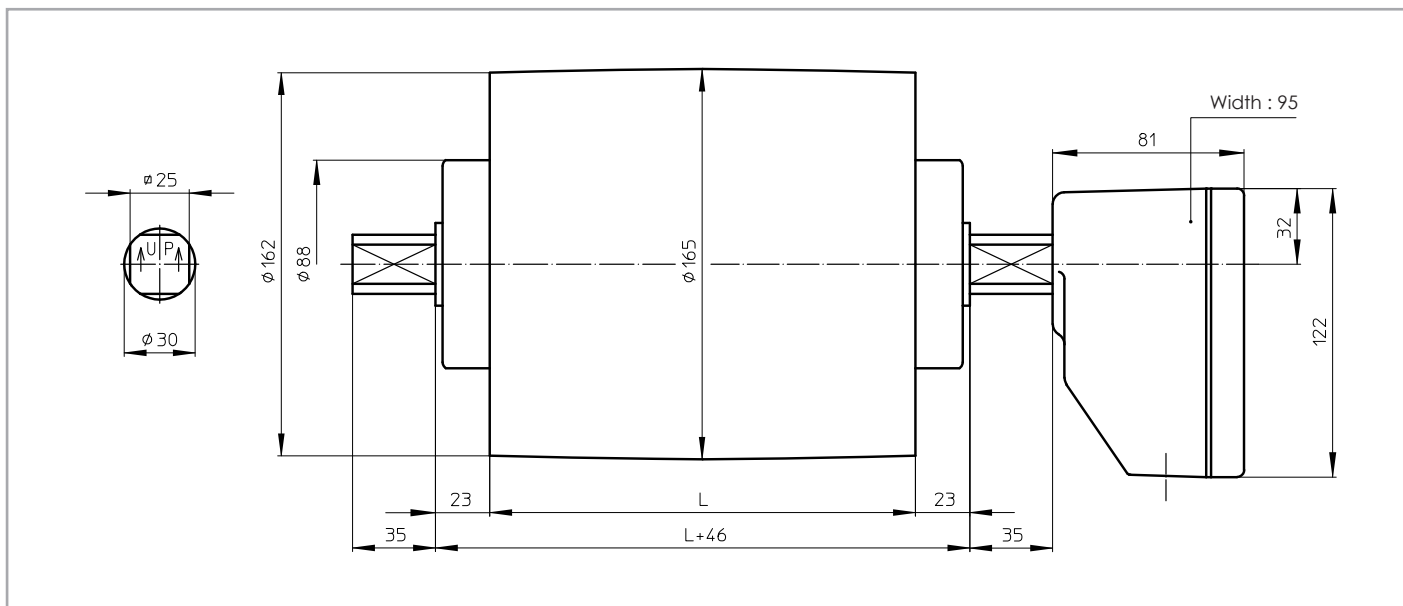
We reserve the right to technical specification changes.



Dimensions drummotors

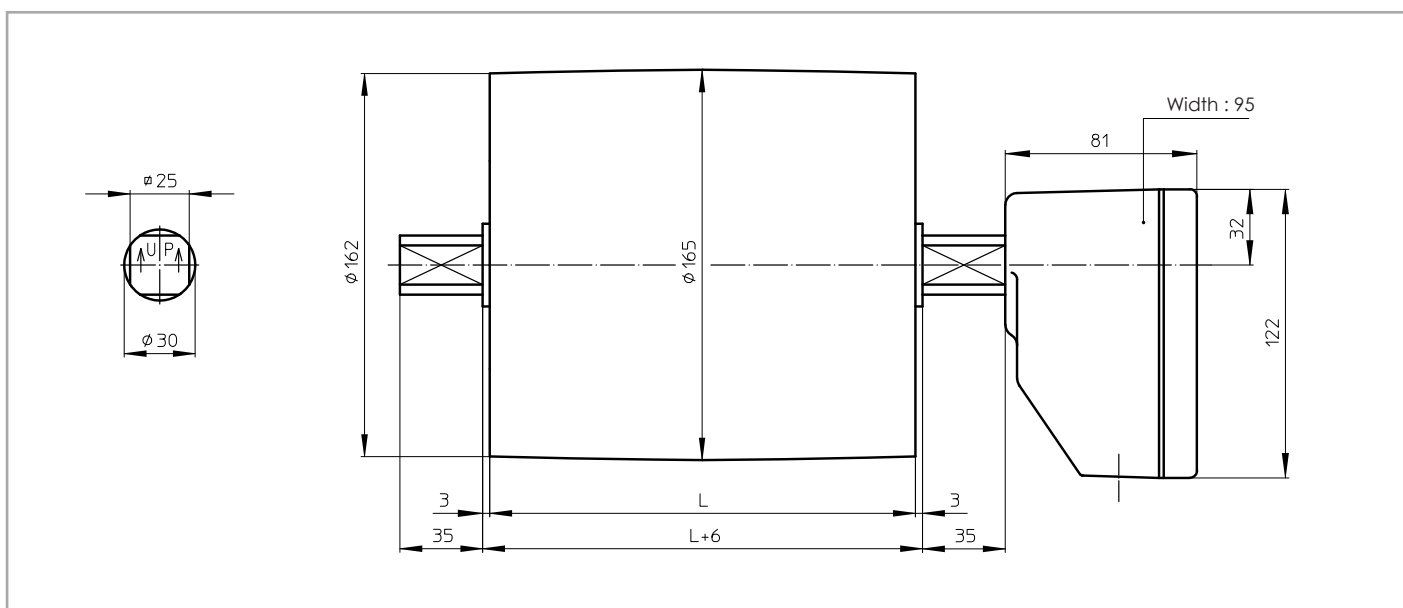
TM 160A30

TM 160A30, mildsteel drummotor with cast iron junction box



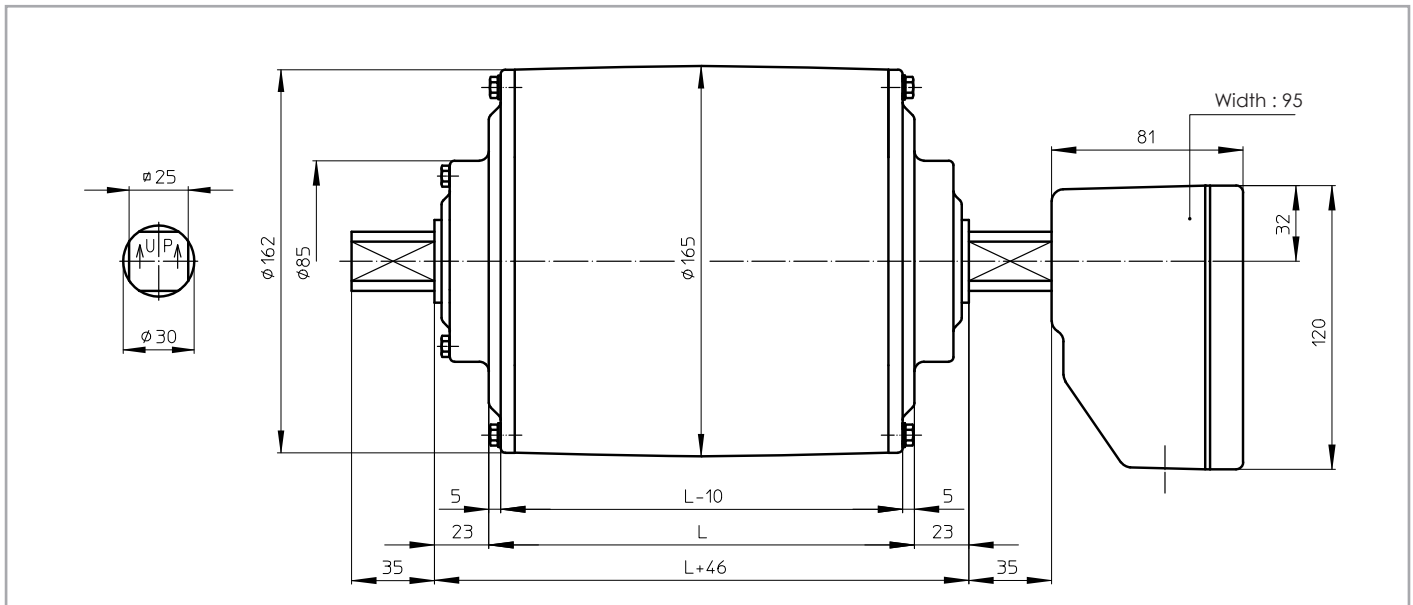
TM 160B30

TM 160B30, mildsteel drummotor with cast iron junction box



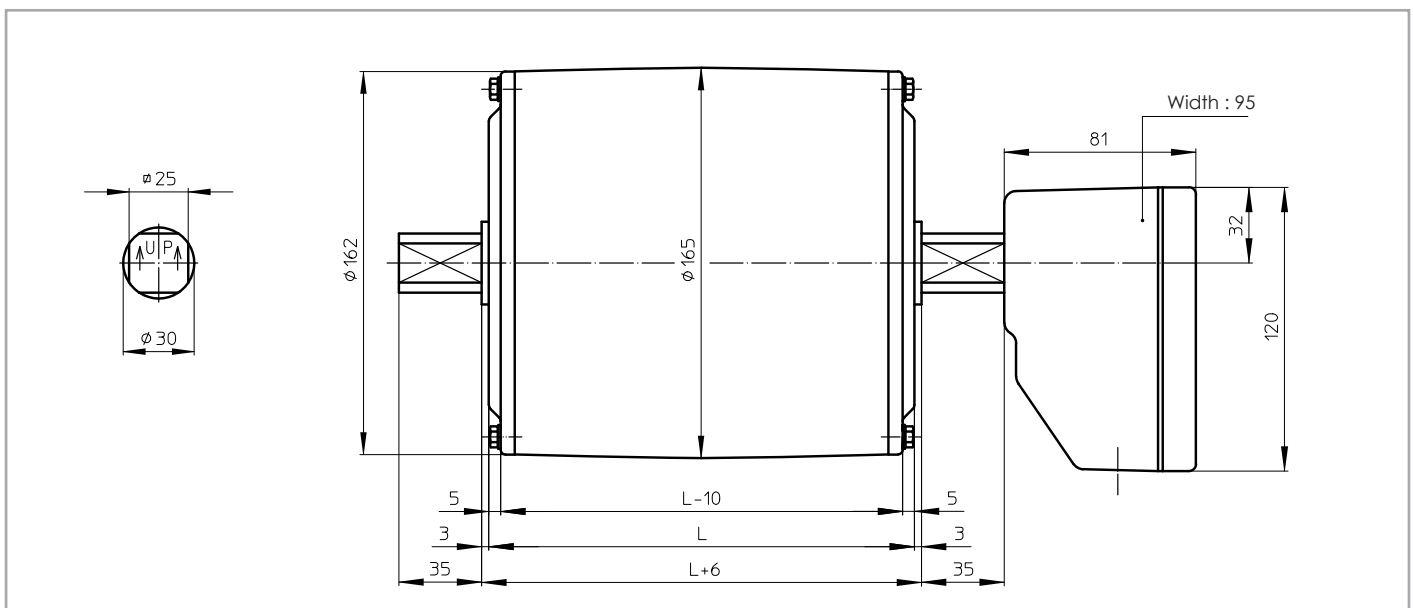
TM 160A30 CR (RVS)

TM 160A30 CR, stainless steel drummotor with polyamide junction box and CR sealing



TM 160B30 CR (RVS)

TM 160B30 CR, stainless steel drummotor with polyamide junction box and CR sealing

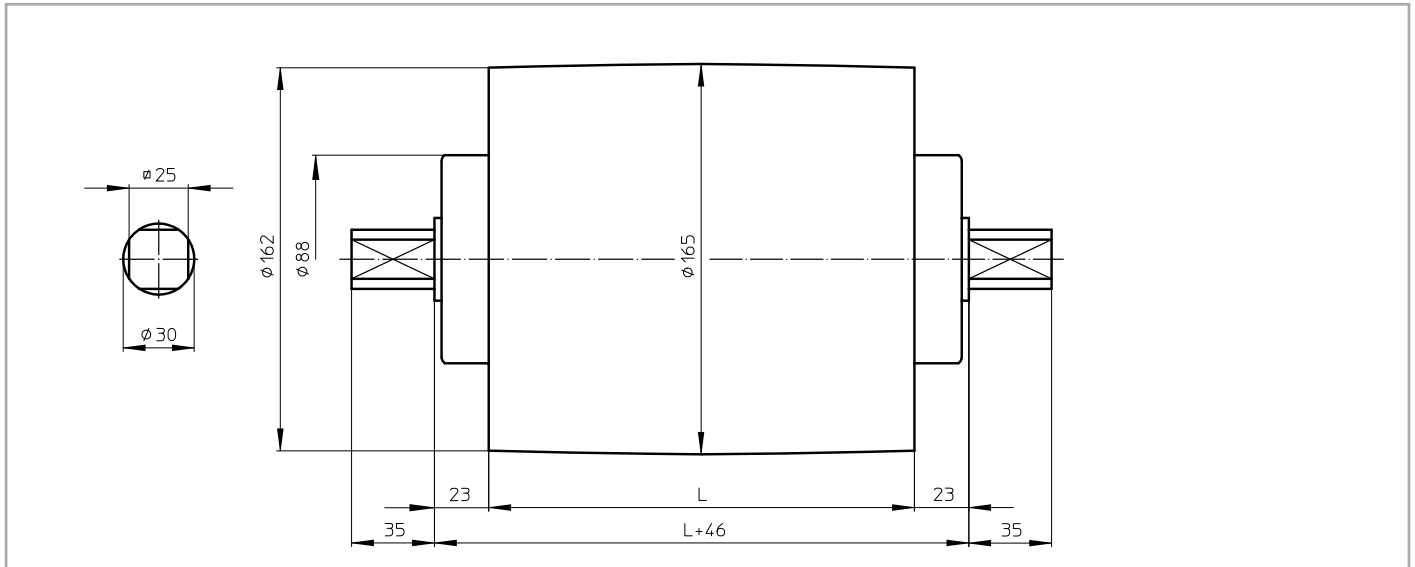




Dimensions taildrums

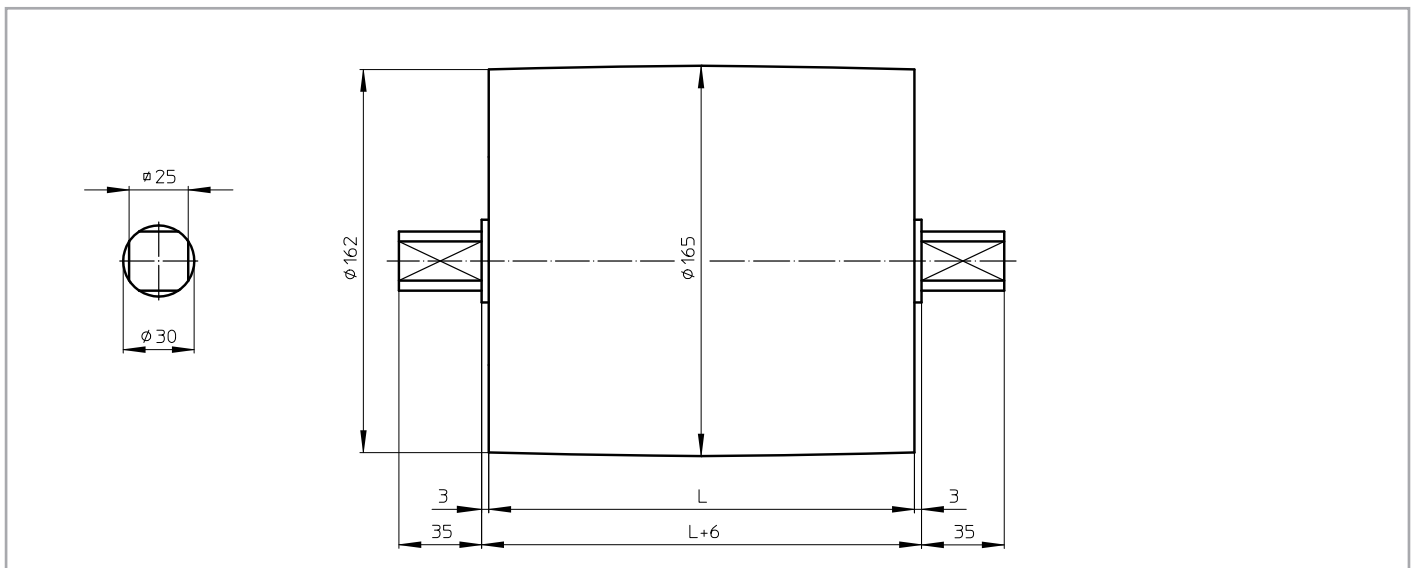
KT 160A30

KT 160A30, mildsteel taildrum



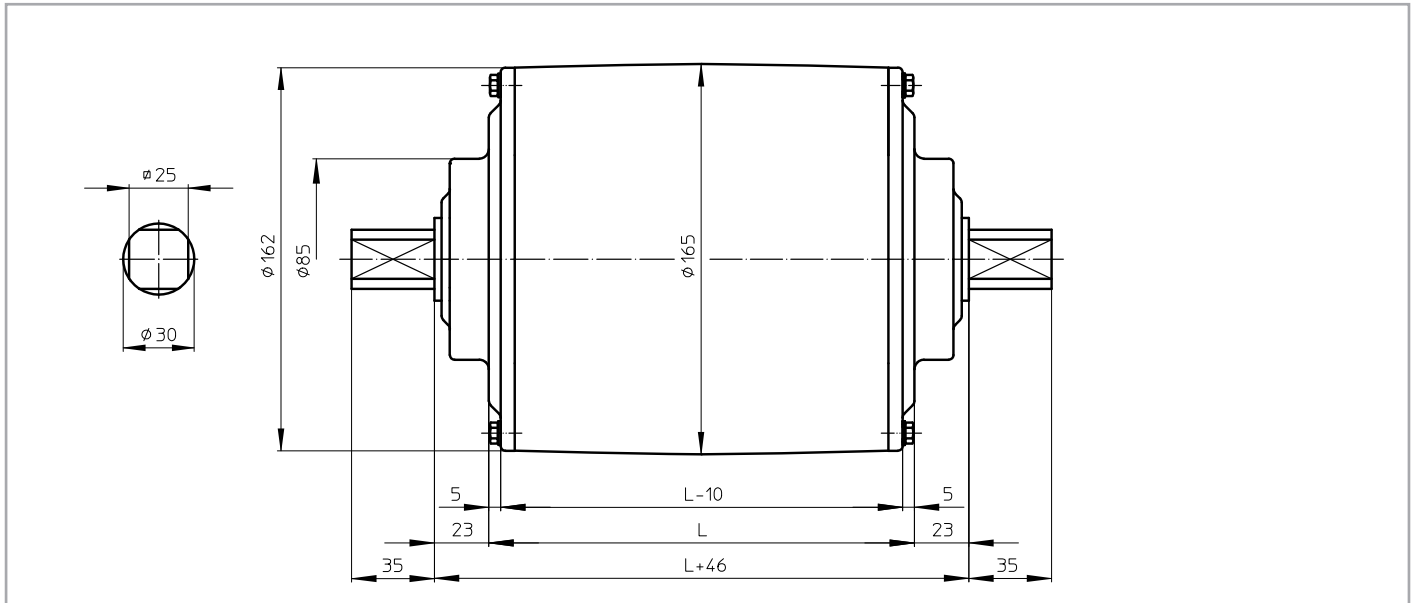
KT 160B30

KT 160B30, mildsteel taildrum



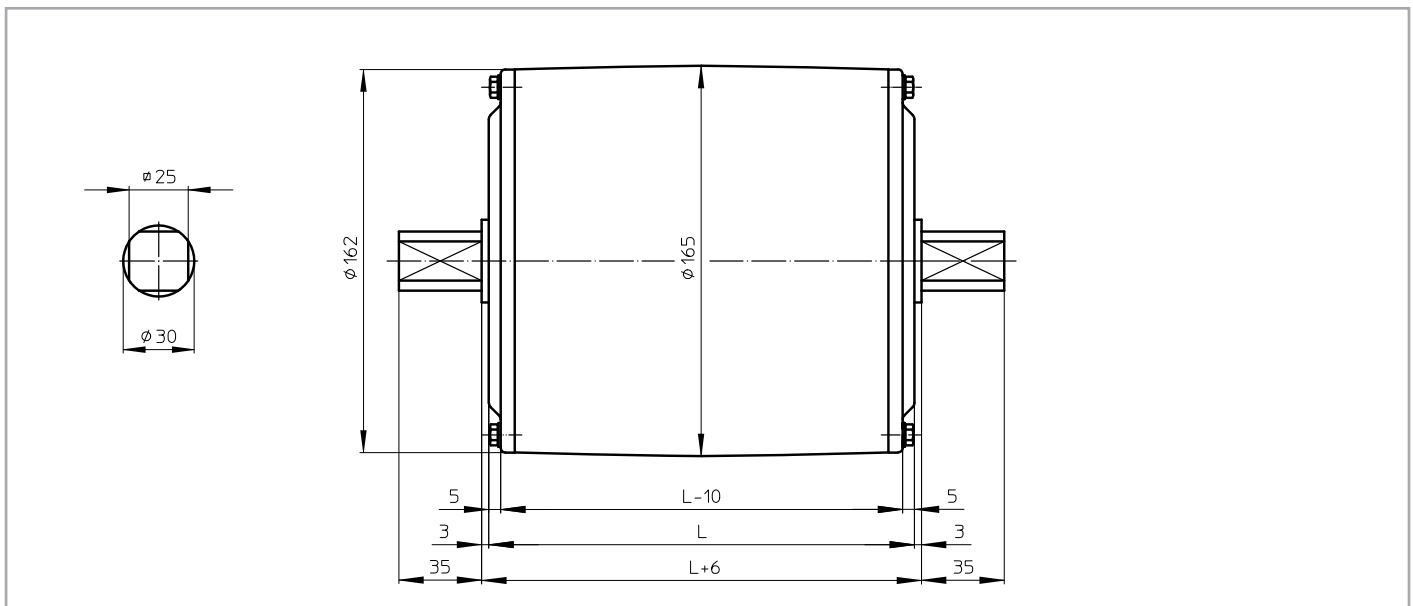
KT 160A30 CR (RVS)

KT 160A30 CR, stainless steel taildrum with CR sealing



KT 160B30 CR (RVS)

KT 160B30 CR, stainless steel taildrum with CR sealing





Cable exit

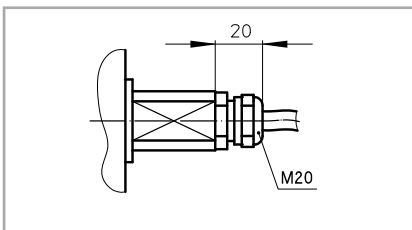
Standard execution of a TM 160-30 is with a cast iron terminal box. For stainless steel execution, this can be either a polyamide or stainless steel terminal box.

On request a drummotor can be fitted with a cable. In this case it is important to know the available voltage (preferably 1 voltage), the length of the cable, whether the cable is shielded or not and the type of cable exit.

An overview of available cable exits is shown below.

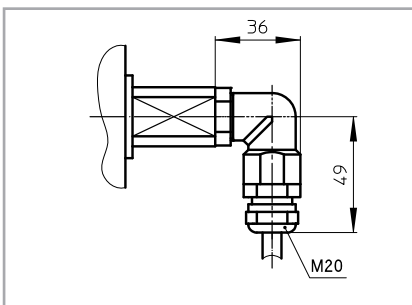
Option 1

Straight cable exit with cable gland



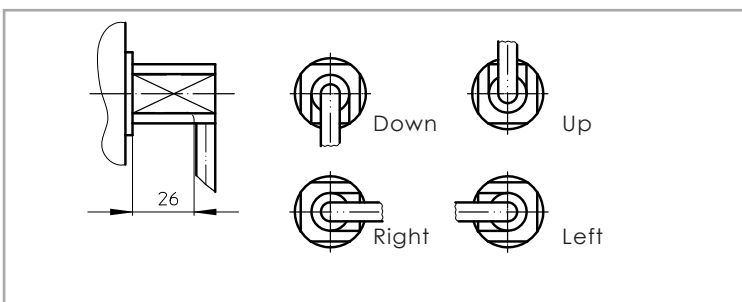
Option 3

Elbow cable exit with cable gland (minimum drumlength increases with at least 25 mm)



Option 4

Open cable exit (minimum drumlength increases with at least 25 mm)

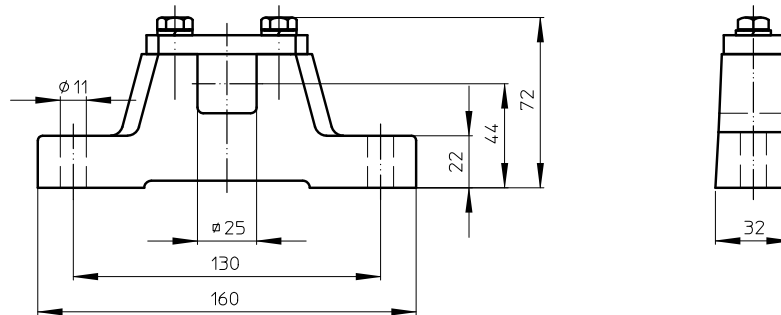




Bracket drawings

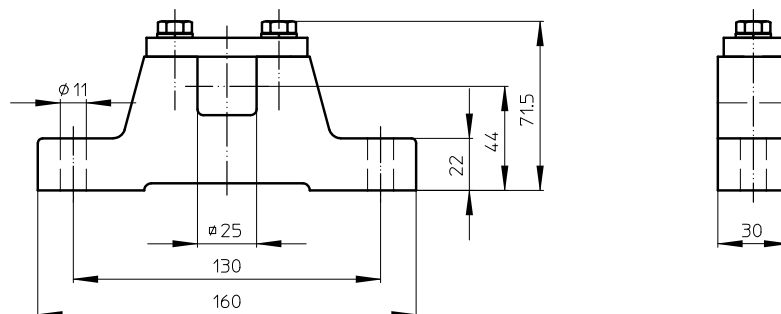
AB 30

AB 30, cast iron or steel bracket



AB 30 RVS

AB 30 RVS, stainless steel bracket





Van der Graaf

Power Transmission Equipment

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