Trommelmotoren / *Drummotors*

TM 160-25

KRAUTER®

ELEKTROMASCHINEN

TYPE TM 160.25	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
210 Z	**0,75**	**3,30** 215	**2,50** 285	**2,20** 325					300	350	1,4	25
410 Z	**0,75**	**1,70** 420	**1,25** 570	**1,10** 650	**0,80** 890	**0,65** 1095			300	350	1,9	25
275 Z	**0,55**	**3,30** 160	**2,50** 210	**2,20** 240	**1,60** 325	**0,95** 550			300	300	1,1	23
475 Z	**0,55**	**1,70** 305	**1,25** 420	**1,10** 475	**0,80** 655	**0,65** 805	**0,50** 1045		300	300	1,3	23
405 Z	**0,37**	**1,70** 205	**1,25** 280	**1,10** 320	**0,80** 440	**0,65** 540	**0,50** 705	**0,40** 880	300	300	1,0	22
605 Z	**0,37**	**0,31** 1135							300	300	1,1	23
434 Z	**0,25**	**1,70** 140	**1,25** 190	**1,10** 215	**0,80** 295	**0,65** 365	**0,50** 475	**0,40** 595	300	300	0,7	21
834 Z	**0,25**	**0,31** 765	**0,25** 950	**0,20** 1190					300	300	1,0	23
825 Z	**0,18**	**0,31** 550	**0,25** 685	**0,20** 855					300	300	0,8	22
818 Z	**0,13**	**0,31** 400	**0,25** 495	**0,20** 620					300	300	0,6	21
1218 Z	**0,13**	**0,15** 825	**0,13** 950						300	350	0,9	25
1213 Z	**0,10**	**0,15** 635	**0,13** 730						300	300	0,6	23

Available standard facewidth's: 300 - 350 - 400 - 425 - 450 - 500 - 550 - 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 mm
When an electro-mechanical brake is fitted, the minimum facewidth is increased b 75 mm
The total weight of a Drummotor grows approx. 2,5 kg per 100 mm
Available torque: (Beltpull N x drum diameter m) / 2 Nm

Selection table Dahlander motors

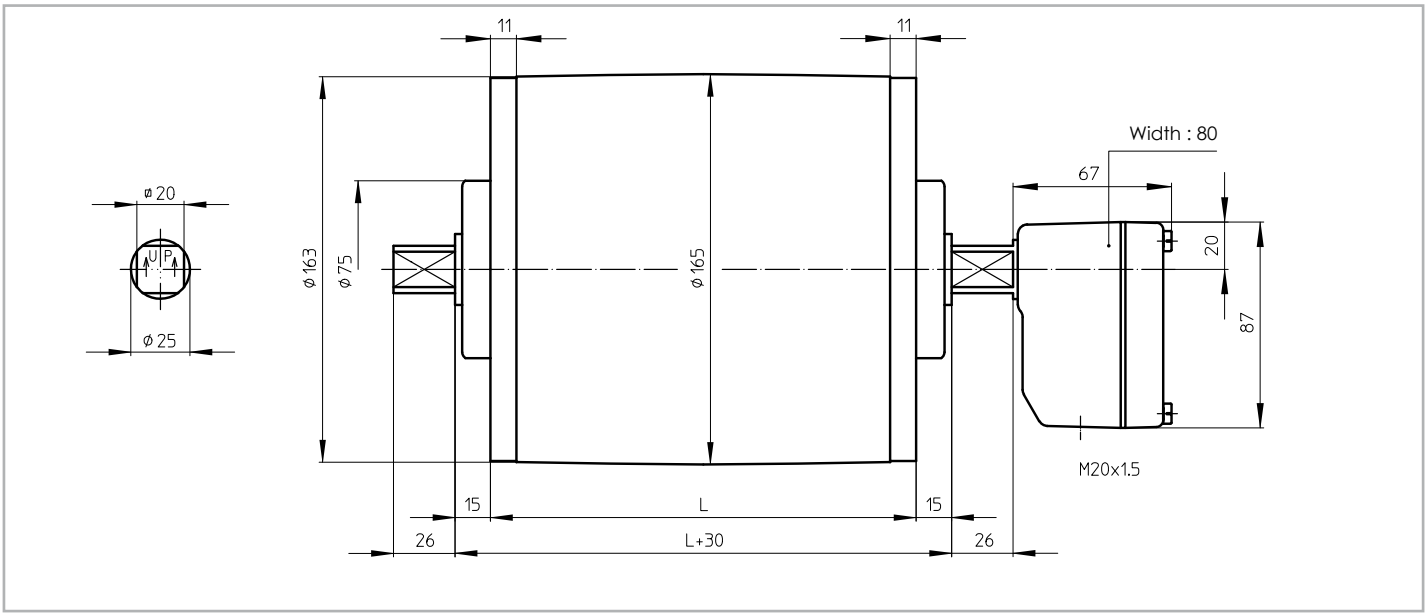
TYPE TM 160.25	Power kW	Beltspeed m/s at 50 Hz Beltpull N							Min. L mm Design A	Min. L mm Design B	Full load curr. 400 V - 50 Hz I = ... A	Weight kg L=350
475/210 Z	**0,55/0,75**	**1,70/3,40** 305/210	**1,25/2,50** 420/285	**1,10/2,20** 475/325	**0,80/1,60** 655/445	**0,65/1,30** 805/550	**0,50/1,00** 1045/715		300	350	1,4/1,7	25
437/275 Z	**0,27/0,55**	**1,70/3,40** 150	**1,25/2,50** 205	**1,10/2,20** 235	**0,80/1,60** 325	**0,65/1,30** 400	**0,50/1,00** 515	**0,40/0,80** 645	300	300	0,9/1,3	23
825/405 Z	**0,18/0,37**	**0,40/0,80** 435	**0,31/0,62** 565	**0,25/0,50** 695	**0,20/0,40** 870				300	300	1,0/0,9	23

Available standard facewidth's: 300 - 350 - 400 - 425 - 450 - 500 - 550 - 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 mm
When an electro-mechanical brake is fitted, the minimum facewidth is increased b 75 mm
The total weight of a Drummotor grows approx. 2,5 kg per 100 mm
Available torque: (Beltpull N x drum diameter m) / 2 Nm

Dimensions Drummotors mild steel

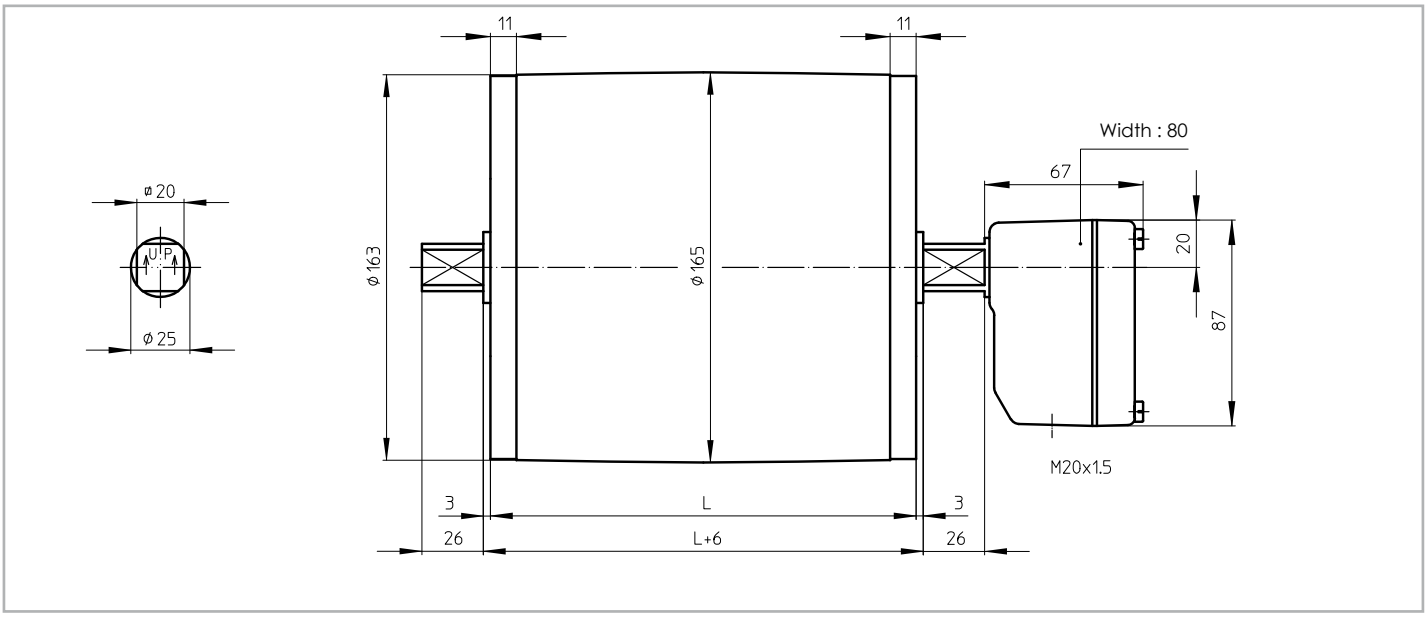
TM 160A25

TM 160A25, mild steel Drummotor with cast iron junctionbox



TM 160B25

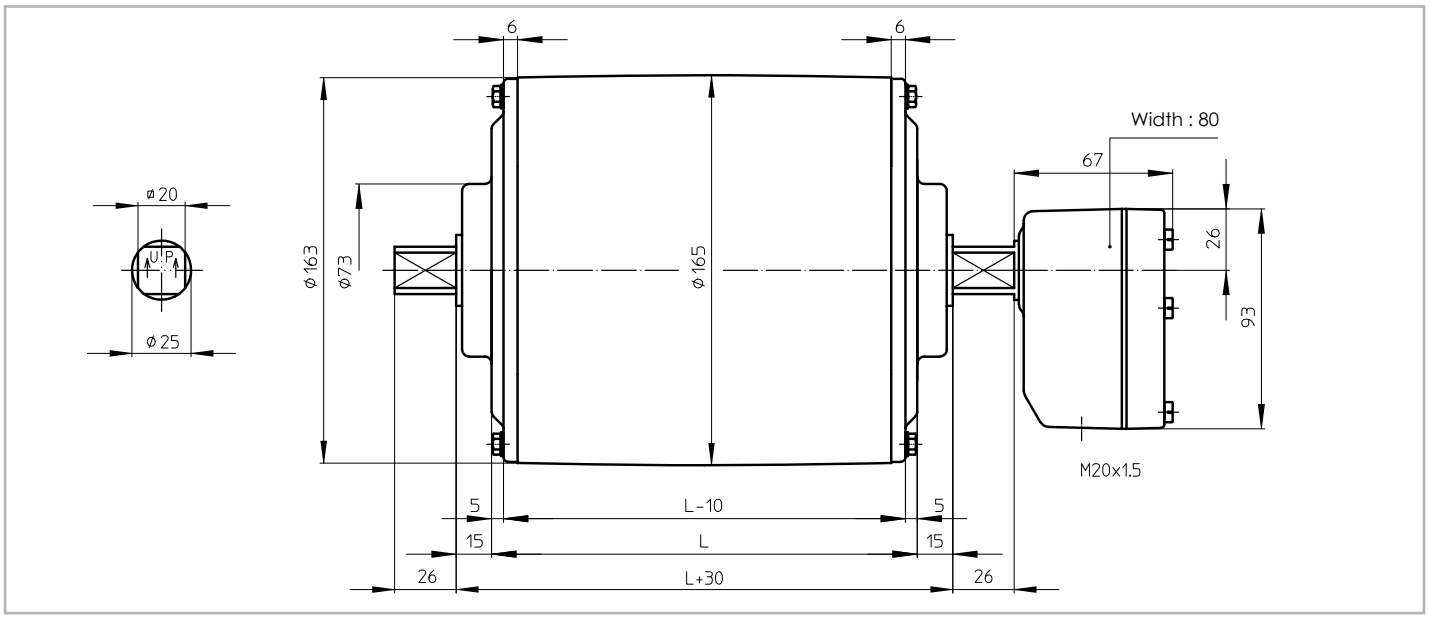
TM 160B25, mild steel Drummotor with cast iron junctionbox



Dimensions Drummotors stainless steel

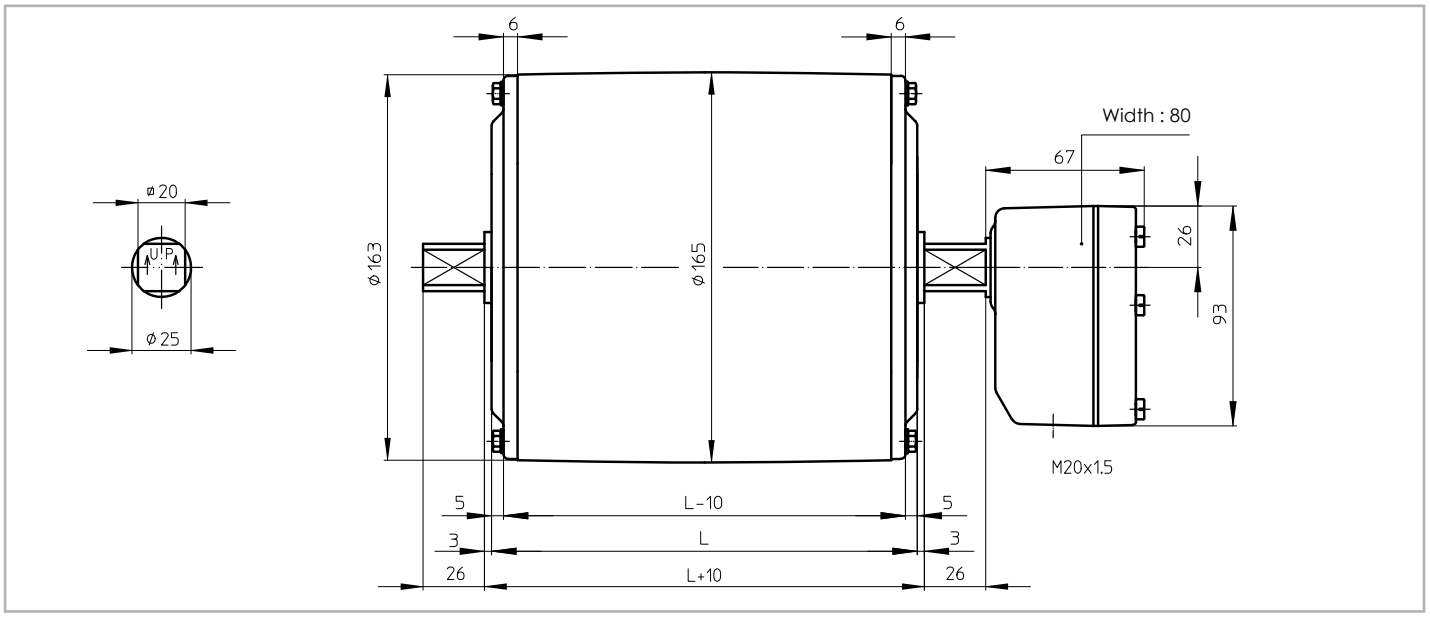
TM 160A25 CR

TM 160A25 CR, stainless steel Drummotor with polyamide junctionbox and CR sealing



TM 160B25 CR

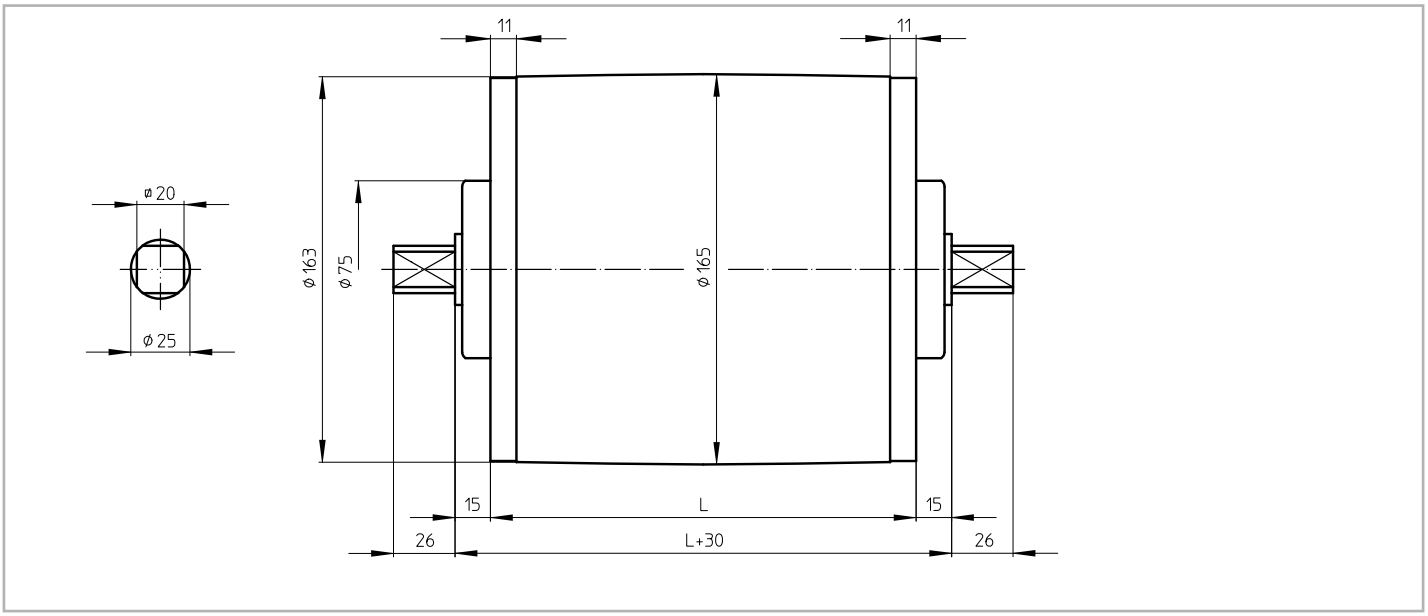
TM 160B25 CR, stainless steel Drummotor with polyamide junctionbox and CR sealing



Dimensions Taildrums mild steel

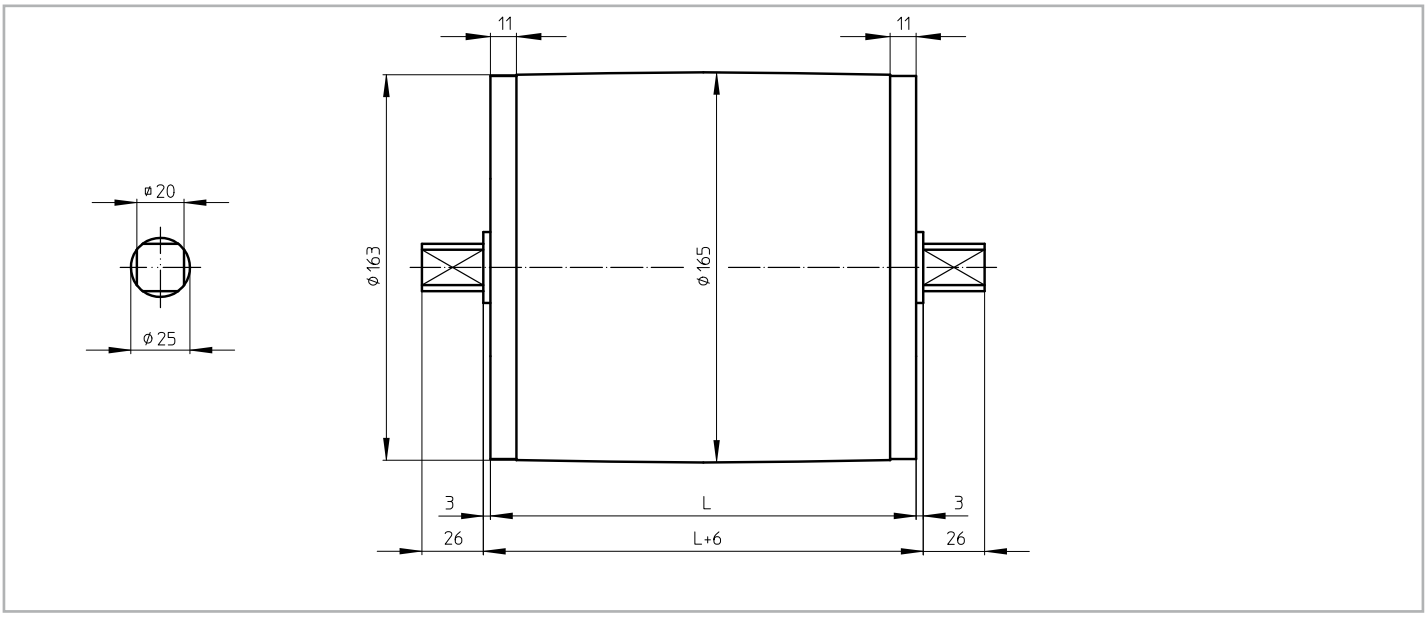
KT 160A25

KT 160A25, mild steel Taildrum



KT 160B25

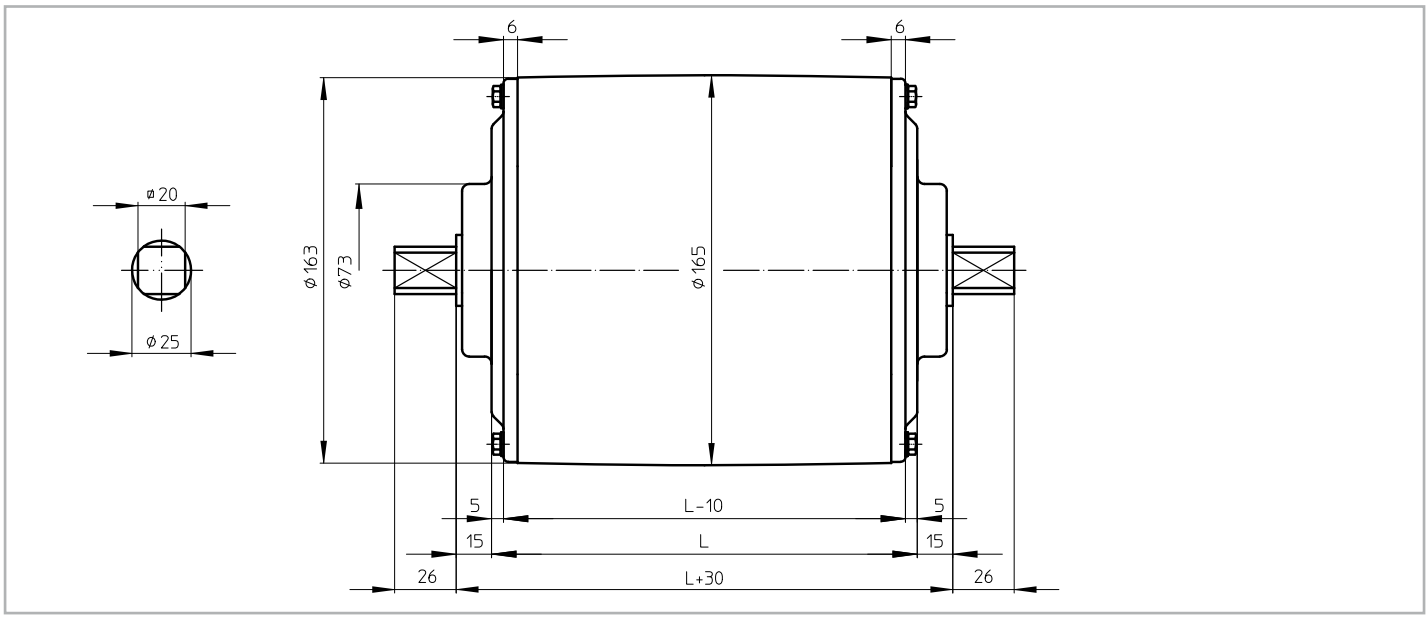
KT 160B25, mild steel Taildrum



Dimensions Taildrums stainless steel

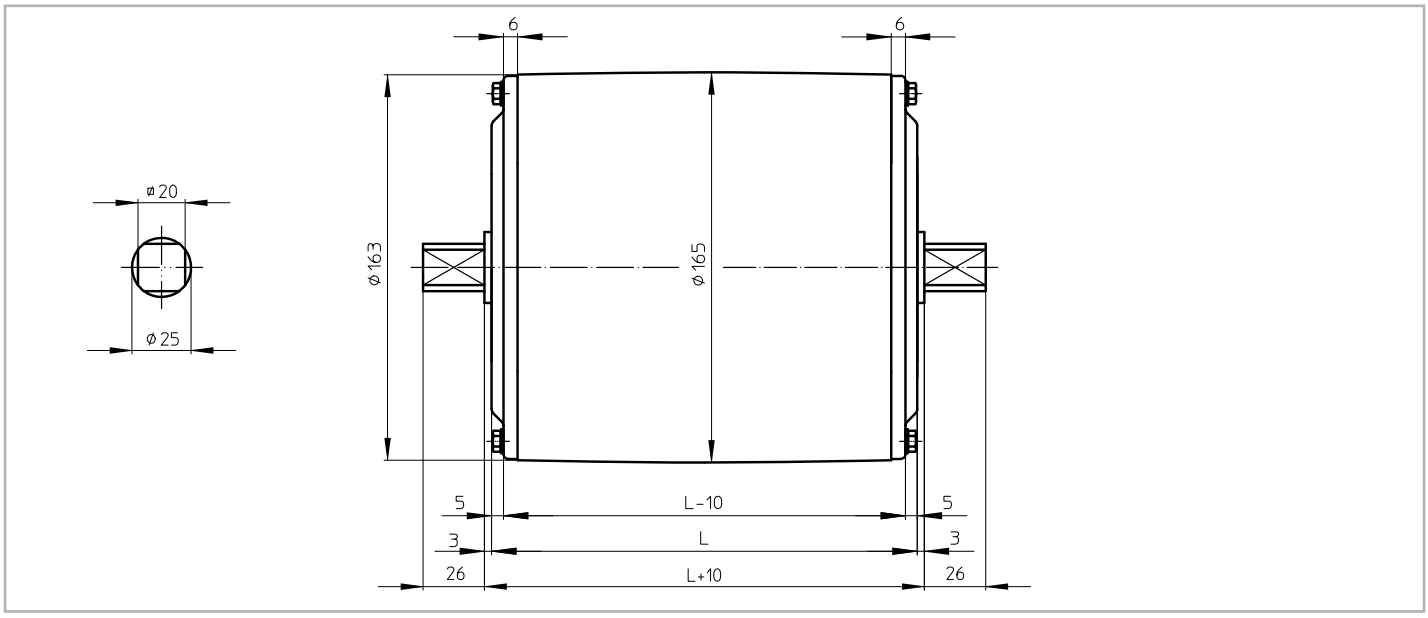
KT 160A25 CR

KT 160A25 CR, stainless steel Taildrum with CR sealing



KT 160B25 CR

KT 160B25 CR, stainless steel Taildrum with CR sealing

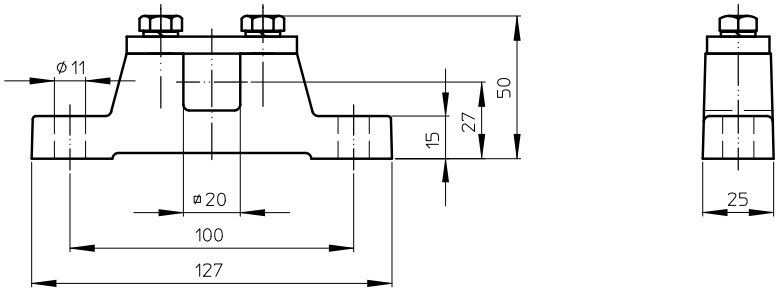


Dimensions bracket

AB 25

AB 25, cast iron or stainless steel bracket

Weight: 1,2 kg per pair



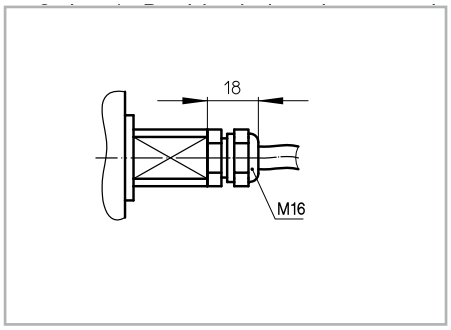
Cable exit

Standard design of a TM 160-25 is with a cast iron junctionbox. For stainless steel design, this can be either a polyamide or stainless steel junctionbox.

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.

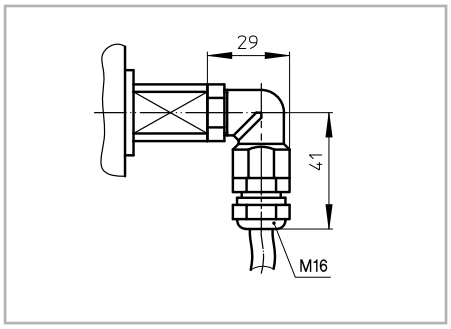
Option 1

Straight cable exit with cable gland



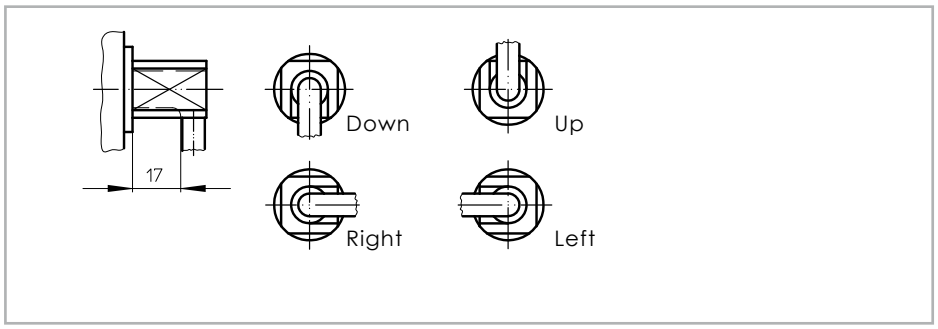
Option 3

Elbow cable exit with cable gland
(minimum facewidth increases with 25 mm)

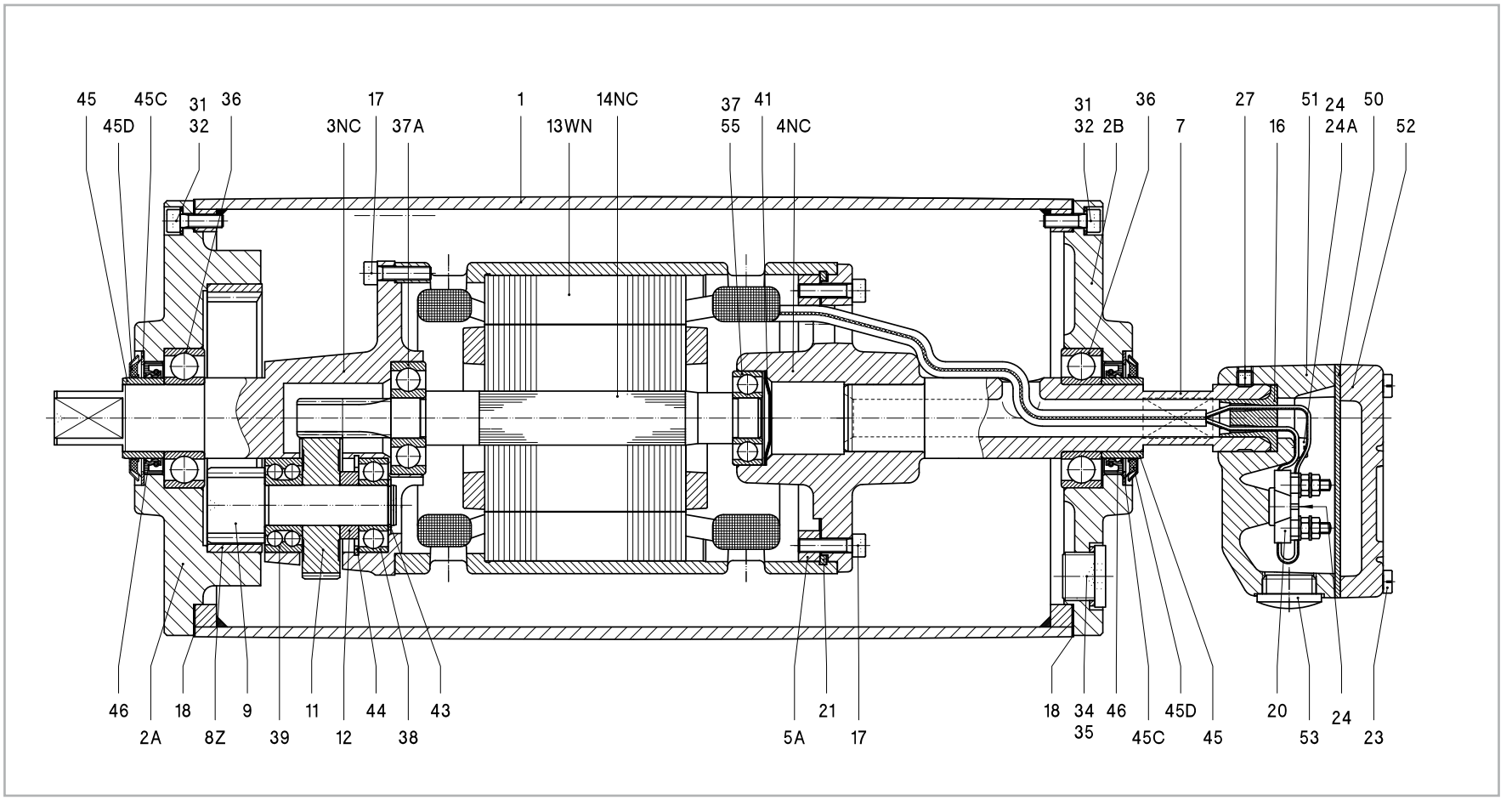


Option 4

Open cable exit (minimum facewidth increases with 25 mm)



TM 160A25 Z

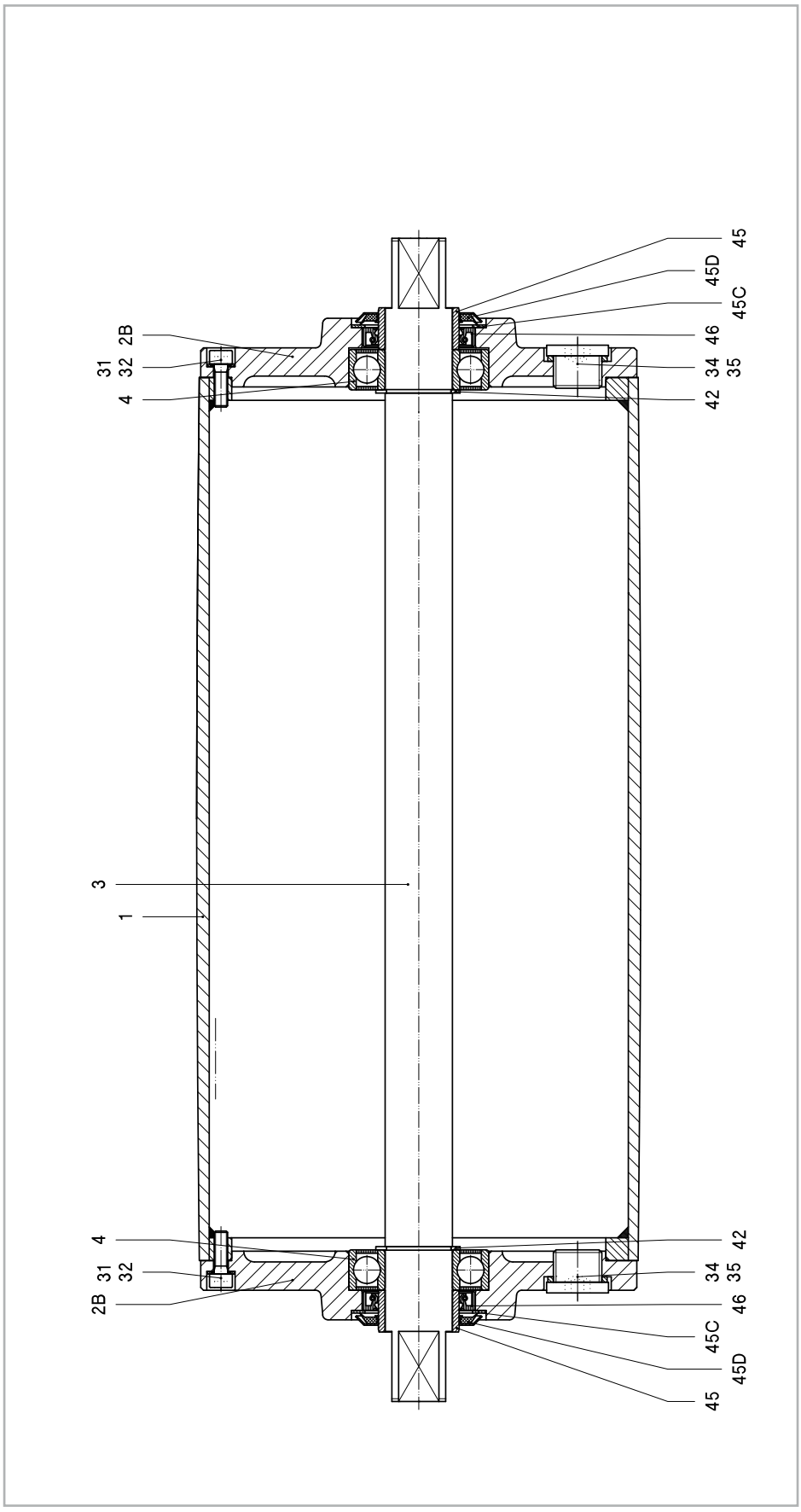


Remark: Drummotor also available in B-design (TM160B25 Z)

Legende

1	Shell	11	Gear	23	Cyl. head screw	37	Ballbearing	45D	Gammaring
2A	Endflang	12	Distance ring	24	Cyl. head screw	37A	Ballbearing	46	Oilseal
2B	Endflang	13WN	Stator	24A	Toothed lock washer	38	Ballbearing	50	Seal
3NC	Gearhousing	14NC	Rotor	27	Setscrew	39	Double-row ballbearing	51	Junctionbox
4NC	Motorflang	16	Cable passage	31	Int. hex screw	41	Locking disc	52	Junctionbox cover
5A	Mountingring	17	Int. hex screw	32	Washer	43	Circlip	53	Stopping plug
7	Hollow shaft	18	Gasket	34	Fillerplug	44	Circlip	55	Ballbearing incl. backstop
8Z	Internal gear	20	Terminalboard	35	Washer	45	Bearing race		
9	Pinion	21	Springring	36	Ballbearing	45C	Shim plated	57	Dataplate

KT 160A25



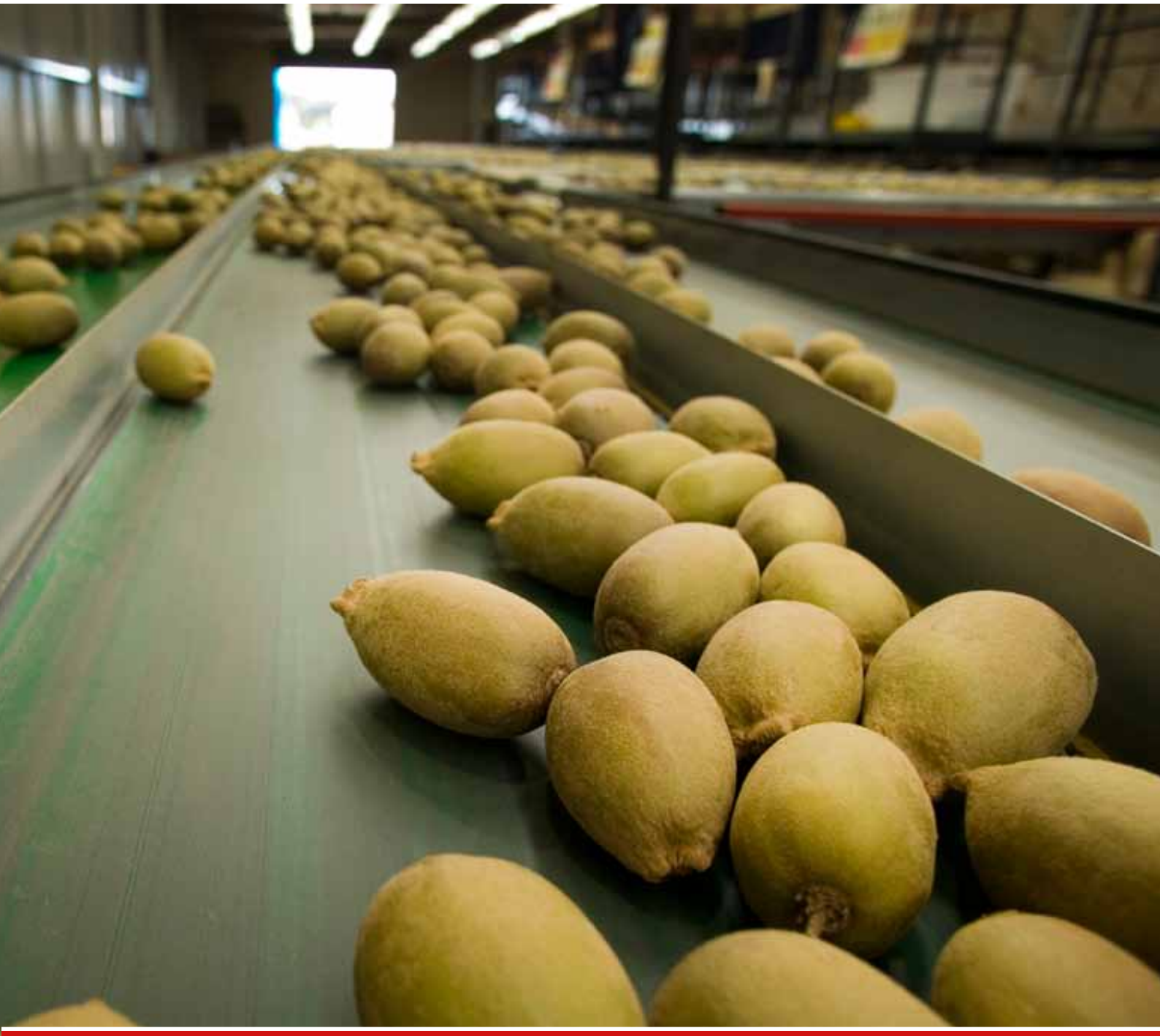
Remark: Taildrum also available in B-design (KT160B25)

Legende

1	Shell	35	Washer
2B	Endflang	42	Circlip
3	Shaft	45	Bearing race
4	Ballbearing	45C	Shim plated
31	Int. hex screw	45D	Gammaring
32	Washer	46	Oilseal
34	Filler plug		

Trommelmotoren *Drummotors*

TM 160-30



KRAUTER®

ELEKTROMASCHINEN

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
230 230 Z 230 ZV	2,20	**4,00** 520 **1,40** 1495 **1,30** 1610	**3,40** 615 **1,20** 1740	**2,80** 745 **1,15** 1815	**2,60** 805 **1,00** 2090	**2,10** 995 **0,90** 2320	**1,70** 1230 **0,85** 2460	**0,80** 2610				400	450	4,6	32
220 220 Z 220 ZV	1,50	**4,00** 355 **1,40** 1020 **0,90** 1585	**3,40** 420 **1,30** 1095 **0,85** 1675	**2,80** 510 **1,20** 1190 **0,80** 1780	**2,60** 550 **1,15** 1240	**2,10** 680 **1,00** 1425	**1,70** 840					350	400	3,1	31
420 420 ZV	1,50	**2,50** 570 **0,85** 1675	**2,10** 680 **0,80** 1780	**1,80** 790 **0,75** 1900	**1,60** 890 **0,70** 2035	**1,30** 1095 **0,65** 2190	**1,10** 1295 **0,60** 2375	**0,55** 2590				400	450	3,7	32
415 415 Z 415 ZV	1,10	**2,00** 525 **0,70** 1495 **0,65** 1610	**1,70** 615 **0,60** 1740	**1,40** 745 **0,55** 1900	**1,25** 835 **0,50** 2090	**1,10** 950 **0,45** 2320	**0,85** 1230 **0,40** 2615					350	400	2,8	31
410 410 Z 410 ZV 410 PL2	0,75	**2,00** 355 **0,65** 1095 **0,45** 1585 **0,27** 2555	**1,70** 420 **0,60** 1190 **0,40** 1780 **0,23** 3000	**1,40** 510 **0,55** 1295 **0,34** 2095	**1,25** 570 **0,50** 1425	**1,10** 650	**0,85** 840	**0,75** 950	**0,70** 1020			350 350 350 400	400 400 400 425	1,9	30
475 475 Z 475 ZV 475 PL2	0,55	**2,00** 260 **0,65** 800 **0,31** 1685 **0,18** 2810	**1,70** 305 **0,50** 1045	**1,40** 375 **0,45** 1160	**1,25** 420 **0,40** 1305	**1,10** 475 **0,34** 1535	**0,85** 615	**0,75** 695	**0,70** 745	**0,55** 950		350 350 350 400	400 400 400 425	1,6	29
675 675 Z 675 ZV	0,55	**0,95** 550 **0,37** 1410 **0,29** 1800	**0,60** 870 **0,27** 1935	**0,23** 2270								350	400	1,6	31
605 605 Z 605 ZV 605 PL2	0,37	**1,40** 250 **0,30** 1170 **0,23** 1530 **0,18** 1890	**1,10** 320 **0,29** 1210 **0,20** 1760 **0,15** 2270	**0,95** 370 **0,27** 1300 **0,12** 2835	**0,85** 415	**0,70** 500	**0,60** 585	**0,50** 705	**0,45** 780	**0,35** 1005		350 350 350 400	400 400 400 425	1,4	30
634 634 Z	0,25	**1,40** 170 **0,29** 820	**1,10** 215 **0,27** 880	**0,95** 250 **0,23** 1035	**0,85** 280 **0,20** 1190	**0,70** 340	**0,60** 395	**0,50** 475	**0,45** 530	**0,35** 680	**0,30** 790	350	400	0,9	29
834 834 Z 834 PL2	0,25	**1,00** 240 **0,17** 1395 **0,14** 1645	**0,65** 365 **0,15** 1585 **0,12** 1915	**0,55** 430 **0,09** 2555	**0,40** 595	**0,26** 915						350 350 400	400 400 425	1,0	31
825 825 Z	0,18	**1,00** 170 **0,20** 855	**0,85** 200 **0,17** 1005	**0,70** 245 **0,15** 1140	**0,65** 265	**0,55** 310	**0,40** 430	**0,35** 490	**0,26** 660	**0,23** 745		350	400	0,9	30
818 818 Z	0,13	**1,00** 125 **0,20** 620	**0,85** 145 **0,17** 725	**0,70** 175 **0,15** 825	**0,65** 190	**0,55** 225	**0,40** 310	**0,35** 355	**0,26** 475	**0,23** 535		350	400	0,6	29

Selection table Dahlander motors

1218 **1218 Z** **1218 PL2**	**0,13**	**0,45** 275 **0,13** 950 **0,09** 1330	**0,33** 375 **0,11** 1125 **0,07** 1710	**0,10** 1235 **0,06** 1995								350 350 400	400 400 425	0,9	31
1213 **1213 Z**	**0,10**	**0,65** 145 **0,13** 730	**0,55** 175 **0,11** 865	**0,45** 210 **0,10** 950	**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

Available standard facewidth's: 350 - 400 - 425 - 450 - 500 - 550 - 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 mm
When an electro-mechanical brake is fitted, the minimum facewidth is increased b 100 mm
The total weight of a Drummotor grows approx. 2,5 kg per 100 mm; Available torque: (Beltpull N x drum diameter m) / 2 Nm

Dahlander motors

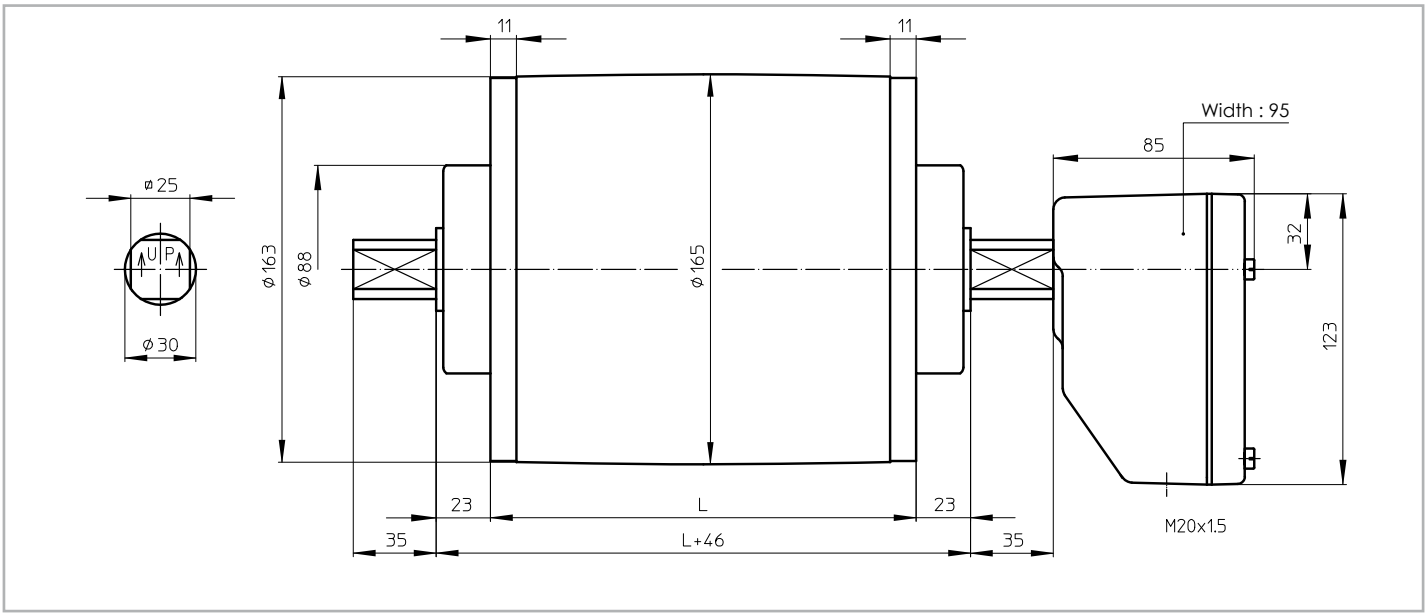
TYPE TM 160.30	Power kW	Beltspeed m/s at 50 Hz Beltpull N								Min. L mm Design A	Min. L mm Design B	Full load curr. 400 V - 50 Hz I = ... A	Weight kg L=350
410/220 **410/220 Z** **410/220 ZV**	**0,75/1,50**	**2,00/4,00** 355 **0,65/1,30** 1095 **0,45/0,90** 1585	**1,70/3,40** 420 **0,60/1,20** 1190 **0,42/0,84** 1695	**1,40/2,80** 510 **0,55/1,10** 1295 **0,40/0,80** 1780	**1,30/2,60** 550 **0,50/1,00** 1425 **0,35/0,70** 2035	**1,05/2,10** 680	**0,85/1,70** 840	**0,75/1,50** 950	**0,70/1,40** 1020	400	450	2,3/3,3	32
475/215 **475/215 Z** **475/215 ZV**	**0,55/1,10**	**2,00/4,00** 260 **0,65/1,30** 805 **0,31/0,62** 1685	**1,70/3,40** 305 **0,60/1,20** 870	**1,40/2,80** 375 **0,55/1,10** 950	**1,25/2,50** 420 **0,50/1,00** 1045	**1,05/2,10** 500 **0,45/0,90** 1160	**0,85/1,70** 615 **0,42/0,84** 1245	**0,75/1,50** 695 **0,40/0,80** 1305	**0,70/1,40** 745 **0,35/0,70** 1495	350	400	1,6/2,5	31
405/210 **405/210 Z**	**0,37/0,75**	**2,00/4,00** 180 **0,65/1,30** 550 **0,31/0,62** 1150	**1,70/3,40** 210 **0,60/1,20** 595	**1,40/2,80** 255 **0,55/1,10** 650	**1,25/2,50** 285 **0,50/1,00** 715	**1,05/2,10** 340 **0,45/0,90** 790	**0,85/1,70** 420 **0,42/0,84** 850	**0,75/1,50** 475 **0,40/0,80** 890	**0,70/1,40** 510 **0,35/0,70** 1020	350	400	1,0/1,8	29
837/475 **837/475 Z** **837/475 ZV** **837/475 PL2**	**0,27/0,55**	**1,00/2,00** 260 **0,26/0,52** 1005 **0,20/0,40** 1305 **0,17/0,34** 1535 **0,13/0,26** 1945	**0,85/1,70** 305 **0,23/0,46** 1135 **0,15/0,30** 1740 **0,11/0,22** 2300	**0,70/1,40** 375 **0,09/0,18** 2810	**0,65/1,30** 400	**0,55/1,10** 475	**0,45/0,90** 580	**0,40/0,80** 655	**0,35/0,70** 745	350 350 350 400	400 400 400 425	1,5/1,3	31
825/405 **825/405 Z** **825/405 PL2**	**0,18/0,37**	**1,00/2,00** 175 **0,26/0,52** 675 **0,20/0,40** 880 **0,13/0,26** 1310	**0,85/1,70** 205 **0,23/0,46** 765 **0,17/0,34** 1035 **0,11/0,22** 1545	**0,70/1,40** 250 **0,15/0,30** 1170 **0,09/0,18** 1890	**0,65/1,30** 270	**0,55/1,10** 320	**0,45/0,90** 390	**0,40/0,80** 440	**0,35/0,70** 500	350 350 400	400 400 425	1,2/1,0	30

Available standard facewidth's: 350 - 400 - 425 - 450 - 500 - 550 - 600 - 650 - 700 - 750 - 800 - 850 - 900 - 950 - 1000 mm
When an electro-mechanical brake is fitted, the minimum facewidth is increased b 100 mm
The total weight of a Drummotor grows approx. 2,5 kg per 100 mm; Available torque: (Beltpull N x drum diameter m) / 2 Nm

Dimensions Drummotors mild stee

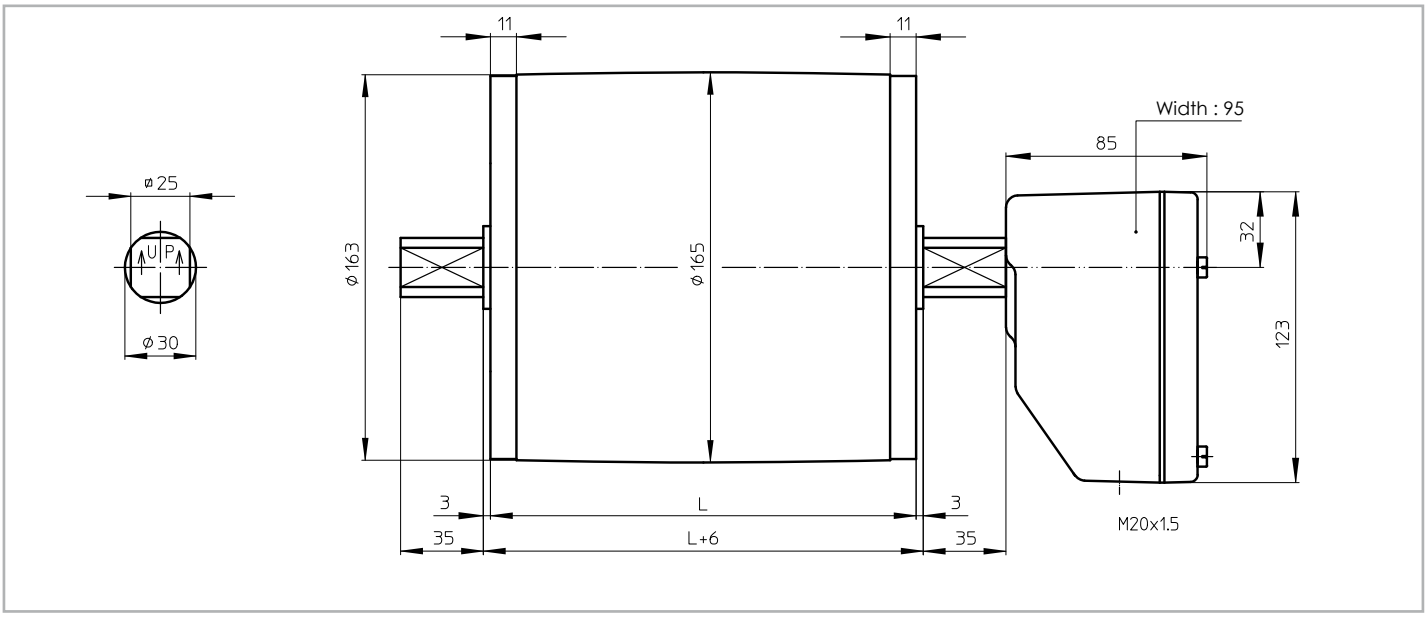
TM 160A30

TM 160A30, mild steel Drummotor with cast iron junctionbox



TM 160B30

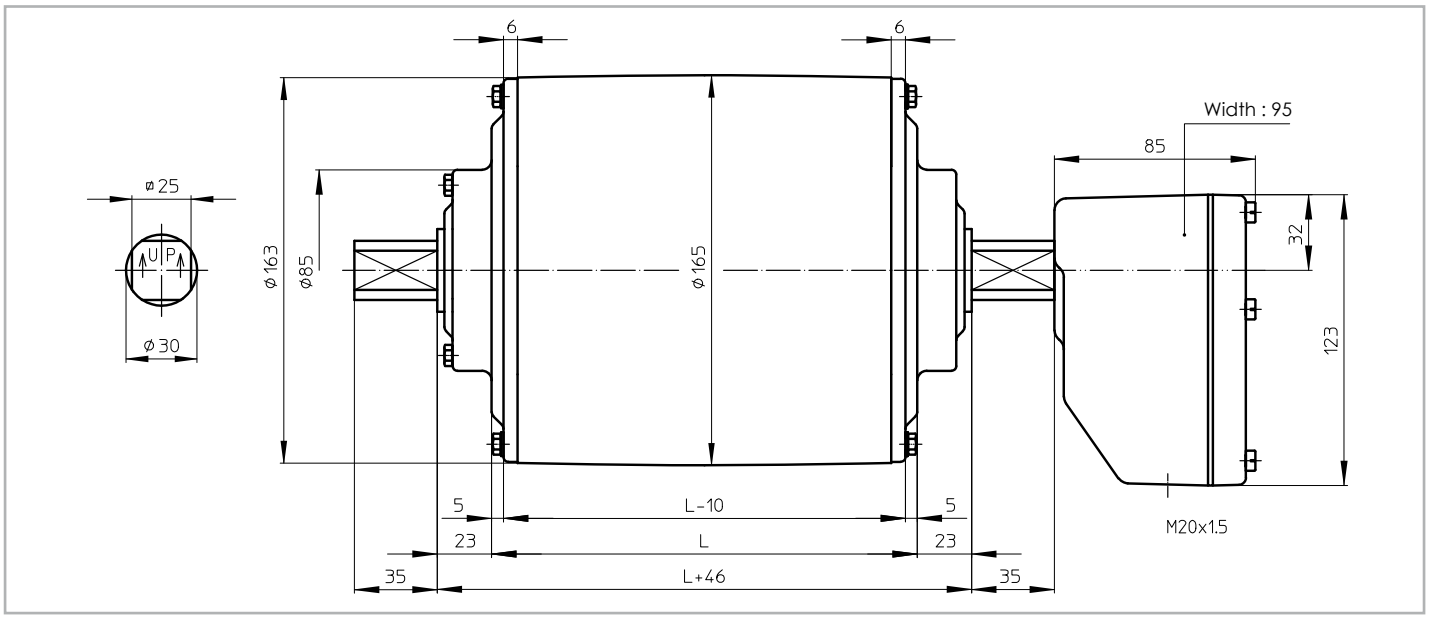
TM 160B30, mild steel Drummotor with cast iron junctionbox



Dimensions Drummotors stainless steel

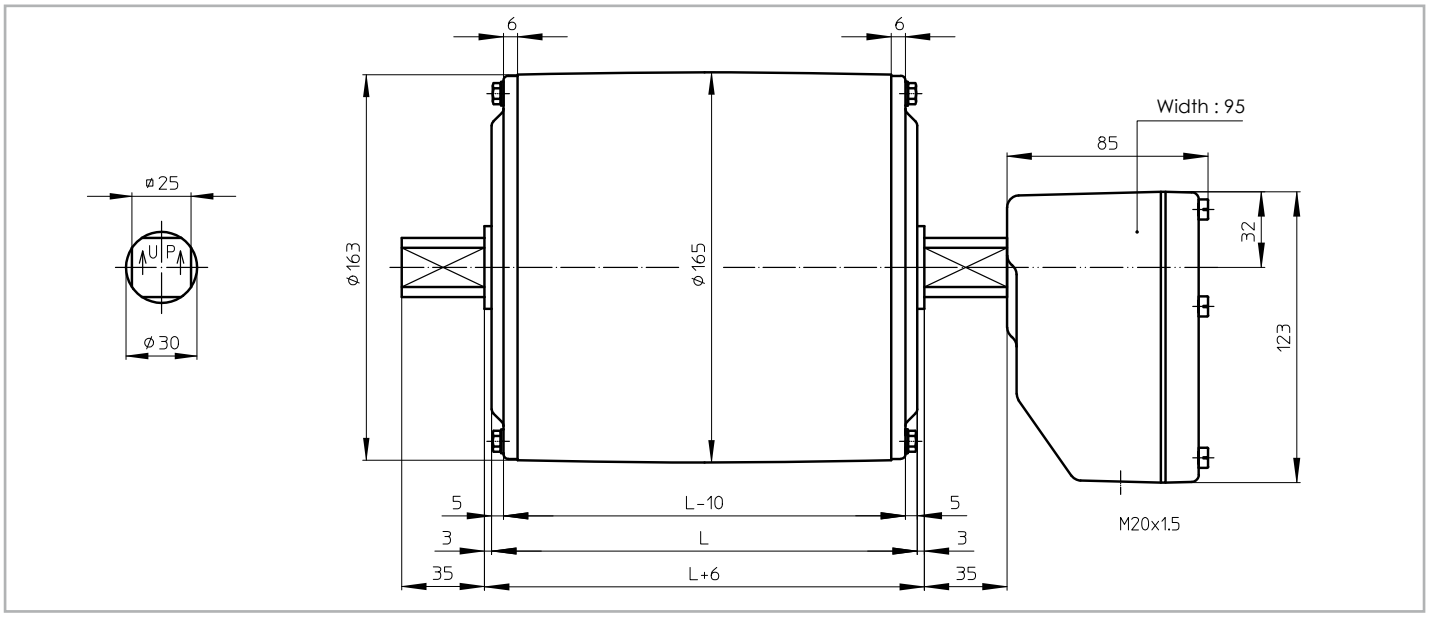
TM 160A30 CR

TM 160A30 CR, stainless steel Drummotor with polyamide junctionbox and CR sealing



TM 160B30 CR

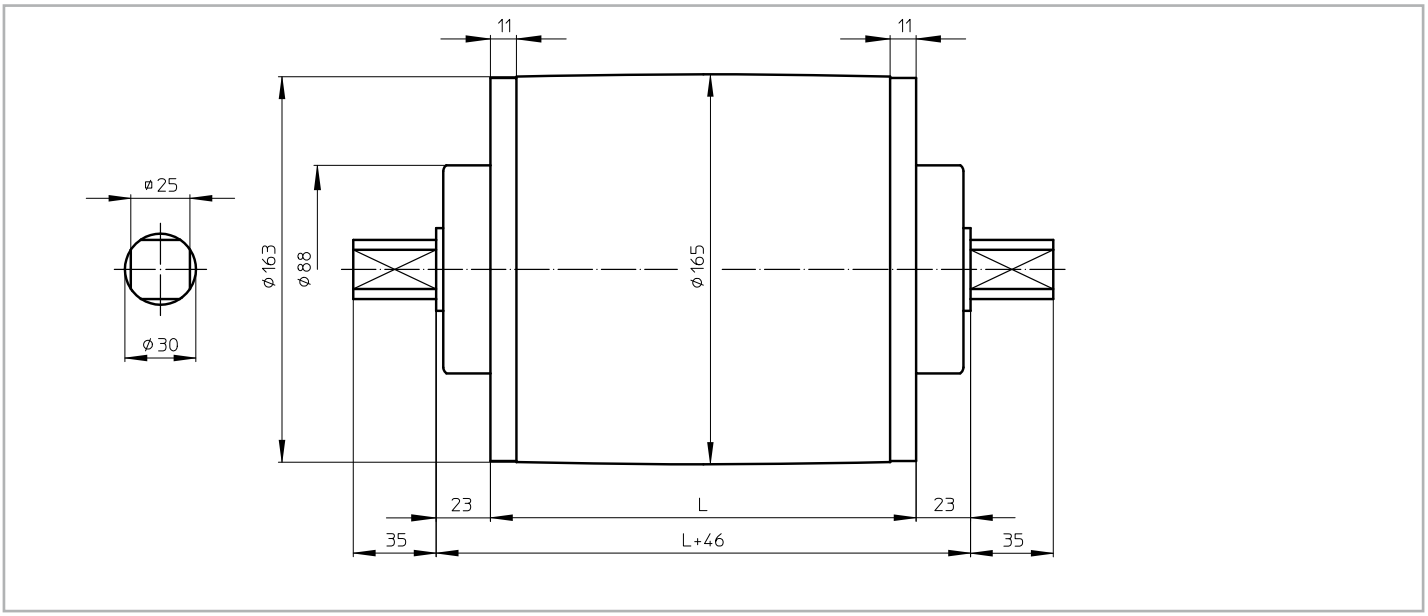
TM 160B30 CR, stainless steel Drummotor with polyamide junctionbox and CR sealing



Dimensions Taildrums mild stee

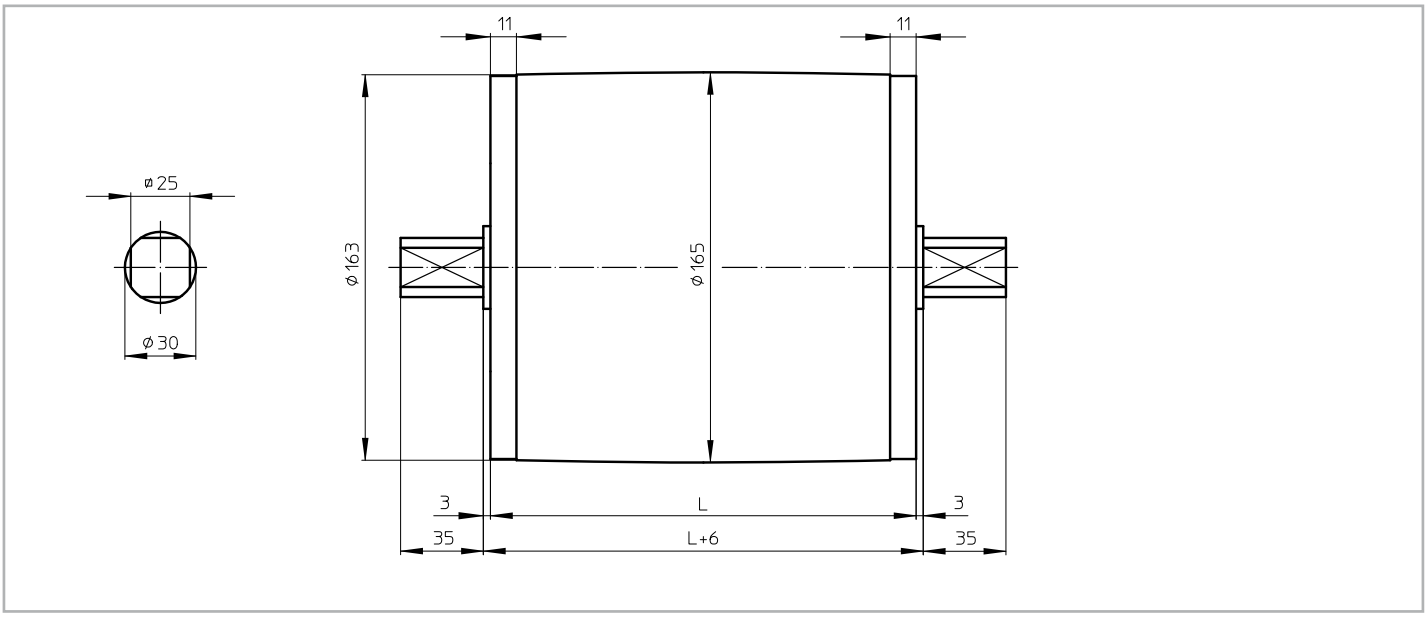
KT 160A30

KT 160A30, mild steel Taildrum



KT 160B30

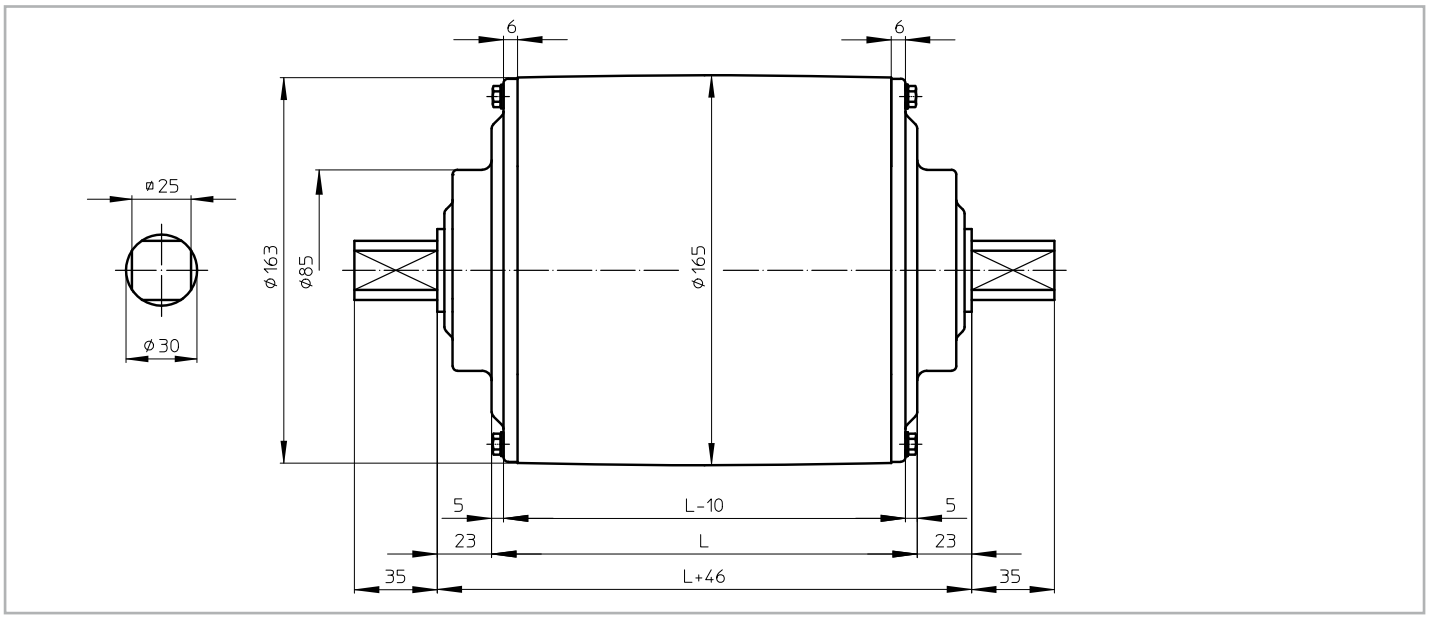
KT 160B30, mild steel Taildrum



Dimensions Taildrums stainless steel

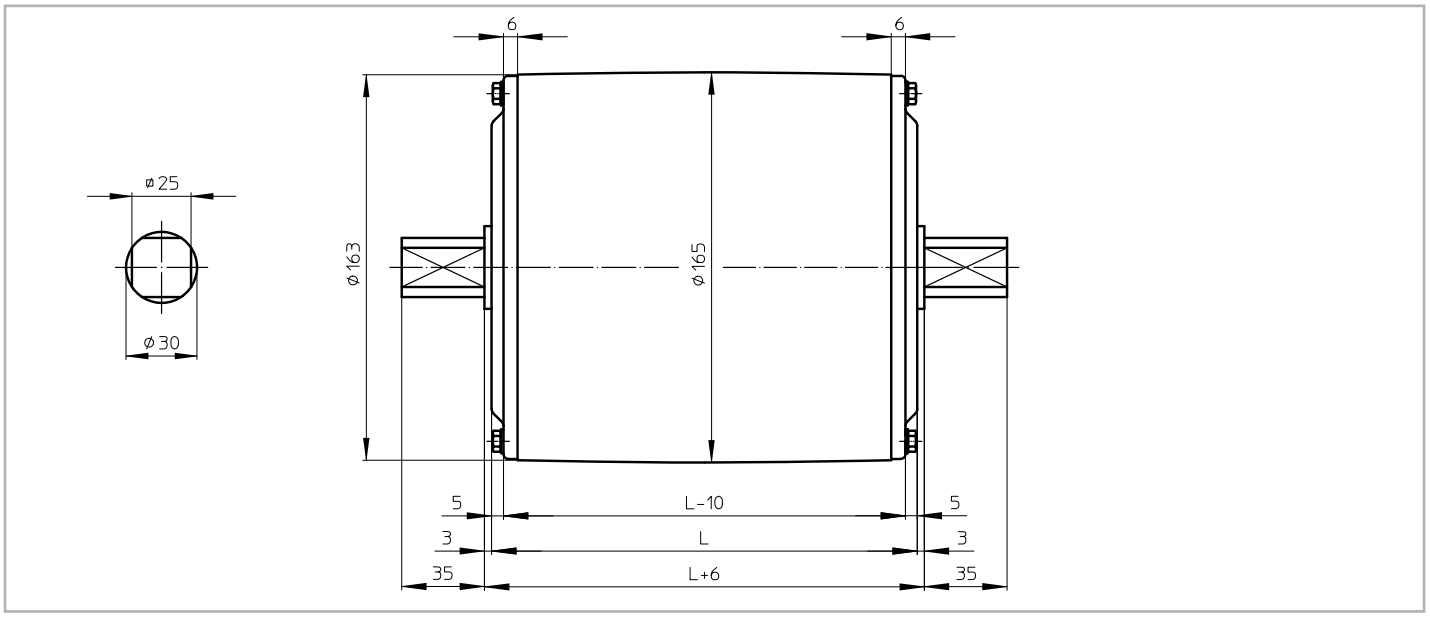
KT 160A30 CR

KT 160A30 CR, stainless steel Taildrum with CR sealing



KT 160B30 CR

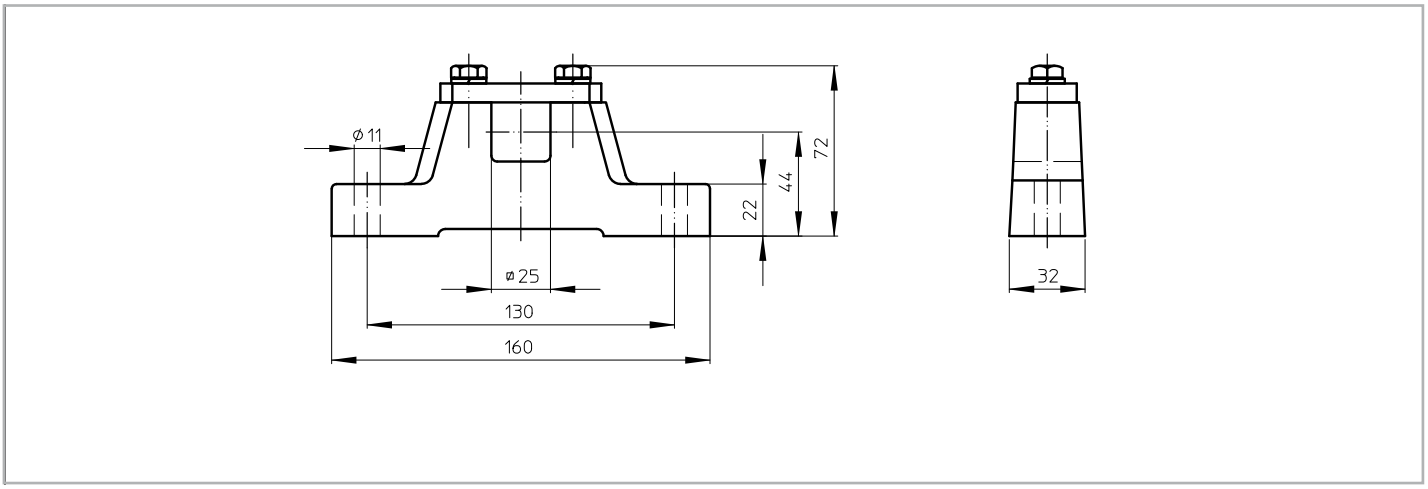
KT 160B30 CR, stainless steel Taildrum with CR sealing



AB 30

AB 30, cast iron or stainless steel bracket

Weight: 2,4 kg per pair

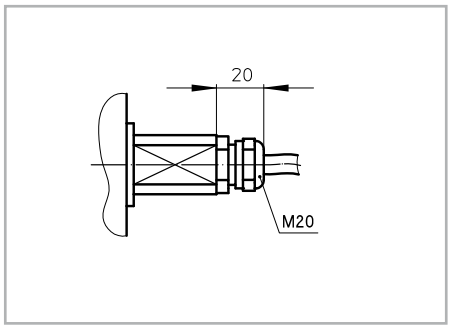


Standard design of a TM 160-30 is with a cast iron terminal box. For stainless steel design, this can be either a polyamide or stainless steel junctionbox.

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.

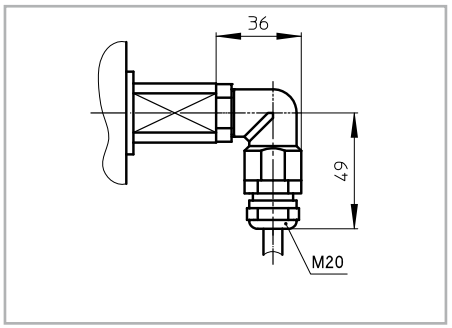
Option 1

Straight cable exit with cable gland



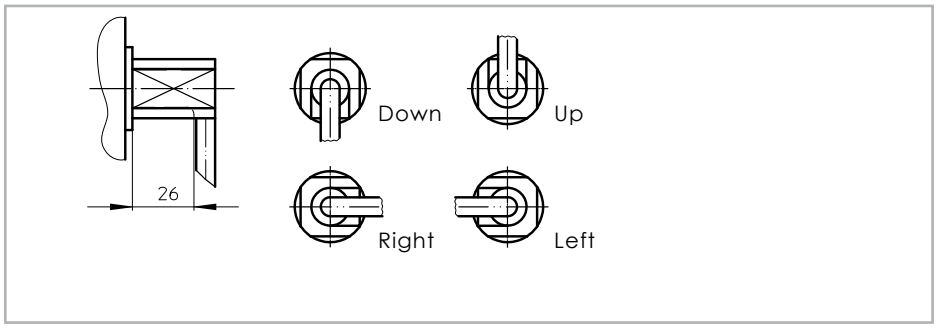
Option 3

Elbow cable exit with cable gland
(minimum facewidth increases with 25 mm)

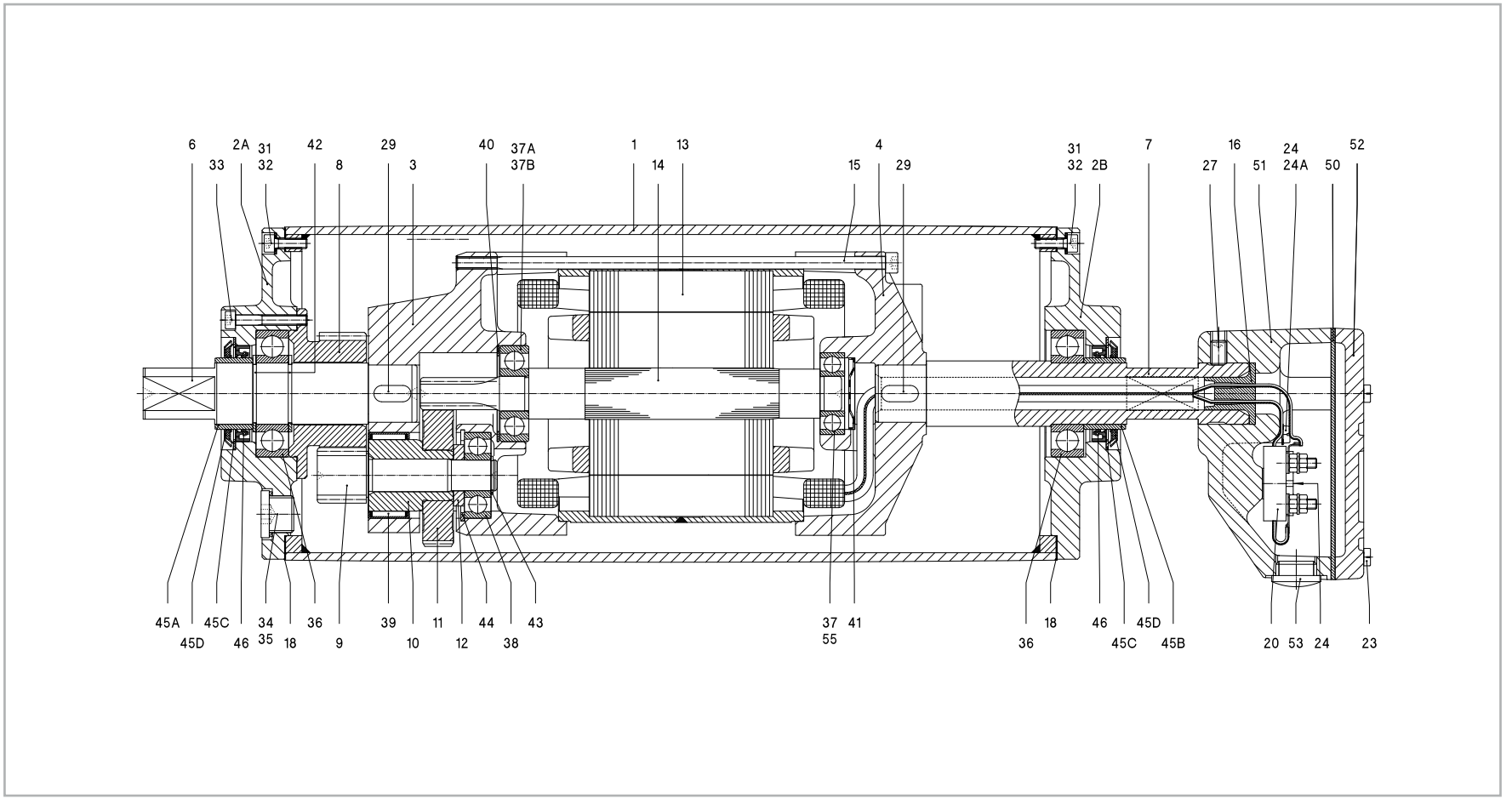


Option 4

Open cable exit (minimum facewidth increases with 25 mm)



TM 160A30

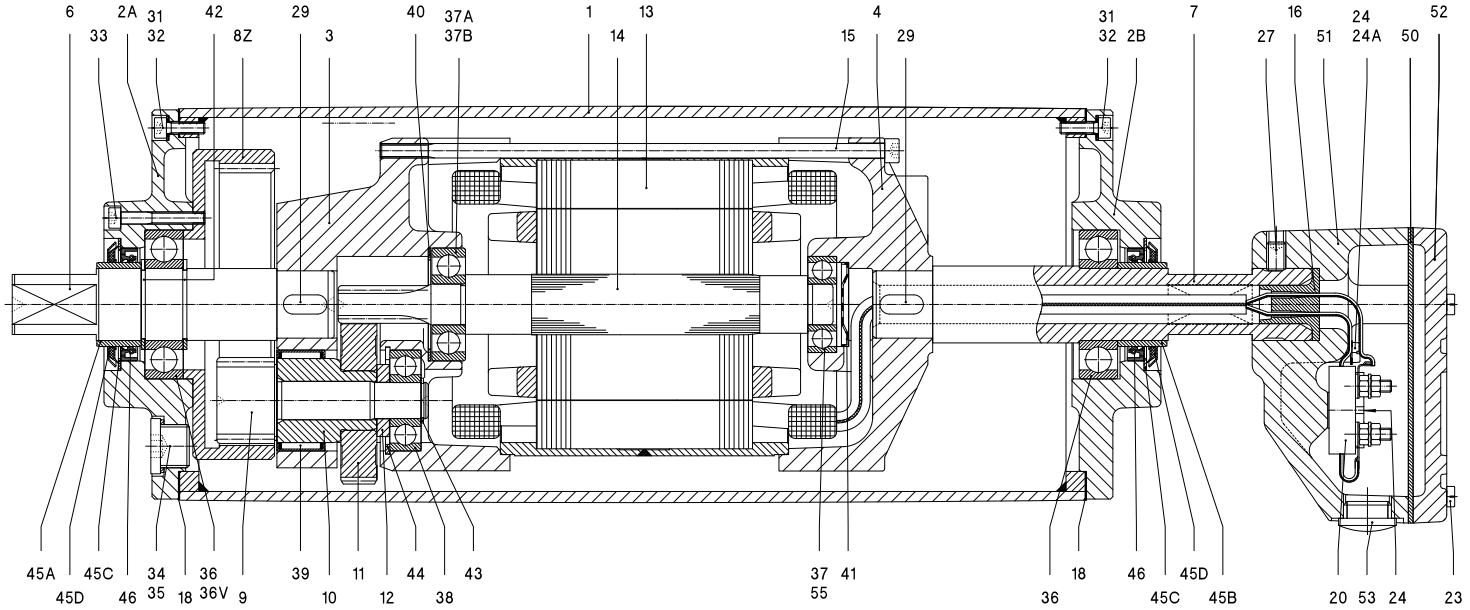


Remark: Drummotor also available in B-design (TM160B30)

Legende

1	Shell	12	Distance ring	27	Setscrew	38	Ballbearing	45D	Gammaring
2A	Endflang	13	Stator	29	Key	39	Needlebearing	46	Oilseal
2B	Endflang	14	Rotor	31	Int. hex screw	40	Shim	50	Seal
3	Gearhousing	15	Int. hex screw	32	Washer	41	Disc	51	Junctionbox
4	Motorflang	16	Cable passage	33	Int. hex screw	42	Circlip	52	Junctionbox cover
6	Shaftend	18	Gasket	34	Fillerplug	43	Circlip	53	Stopping plug
7	Hollow shaft	20	Terminalboard	35	Washer	44	Circlip	55	Ballbearing incl.
8	External gear	23	Cyl. head screw	36	Ballbearing	45A	Bearing race		backstop
9/10	Pinion with bush	24	Cyl. head screw	37	Ballbearing	45B	Bearing race	57	Dataplate
11	Gear	24A	Toothed lock washer	37A/B	Ballbearing	45C	Shim plated		

TM 160A30 Z

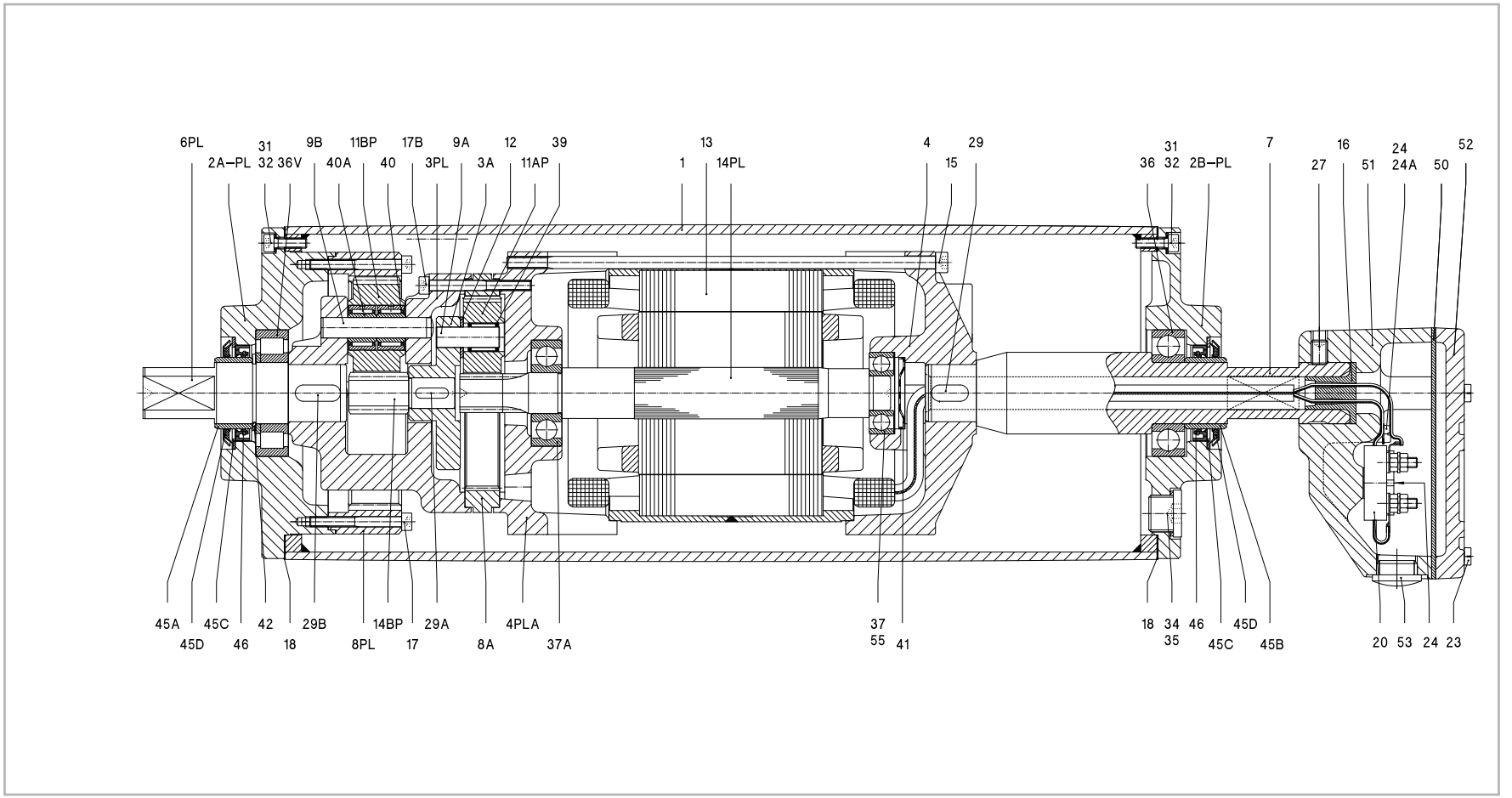


Remark: Drummotor also available in B-design (TM160B30 Z)

Legenda

1	Shell	12	Distance ring	27	Setscrew	37A/B	Ballbearing	45C	Shim plated
2A	Endflang	13	Stator	29	Key	38	Ballbearing	45D	Gammaring
2B	Endflang	14	Rotor	31	Int. hex screw	39	Needlebearing	46	Oilseal
3	Gearhousing	15	Int. hex screw	32	Washer	40	Shim	50	Seal
4	Motorflang	16	Cable passage	33	Int. hex screw	41	Disc	51	Junctionbox
6	Shaftend	18	Gasket	34	Fillerplug	42	Circlip	52	Junctionbox cover
7	Hollow shaft	20	Terminalboard	35	Washer	43	Circlip	53	Stopping plug
8Z	Internal gear	23	Cyl. head screw	36	Ballbearing	44	Circlip	55	Ballbearing incl. backstop
9/10	Pinion with bush	24	Cyl. head screw	36V	Cyl. roller bearing	45A	Bearing race		
11	Gear	24A	Toothed lock washer	37	Ballbearing	45B	Bearing race	57	Dataplate

TM 160A30 PL2

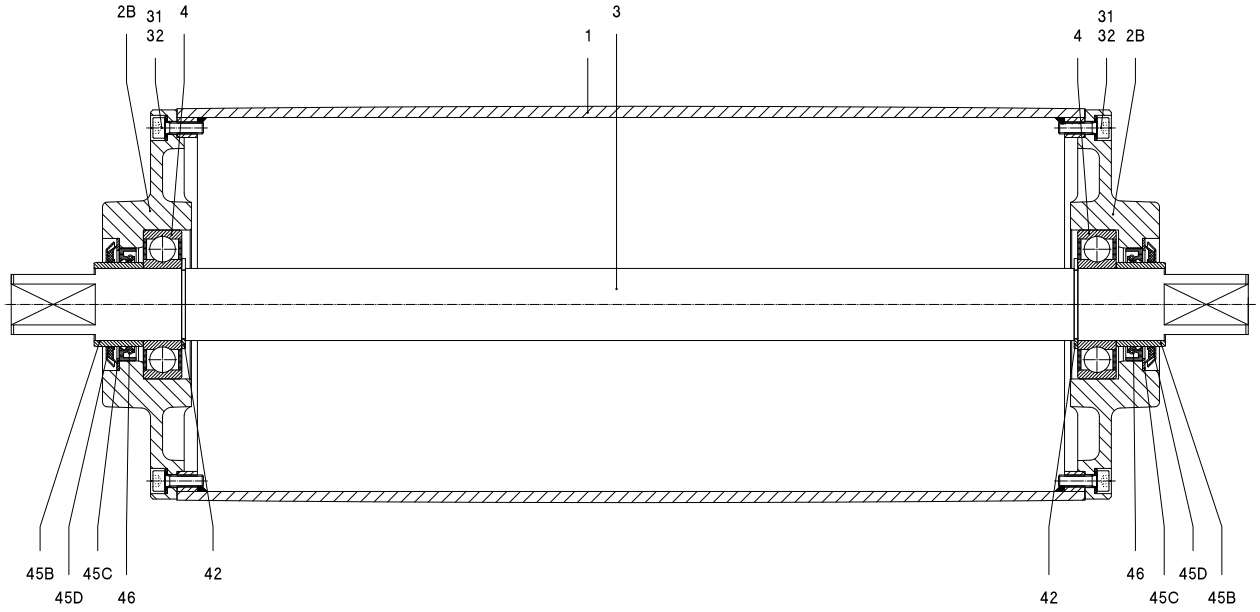


Remark: Drummotor also available in B-design (TM160B30 PL2)

Legende

1	Shell	9B	Cylindrical pin	20	Terminalboard	36	Ballbearing	45D	Gammaring
2A-PL	Endflang	11AP	Planetary gear	23	Cyl. head screw	36V	Cyl. roller bearing	46	Oilseal
2B-PL	Endflang	11BP	Planetary gear	24	Cyl. head screw	37	Ballbearing	50	Seal
3A	Planetary carrier	12	Shim	24A	Toothed lock washer	37A	Ballbearing	51	Junctionbox
3PL	Planetary housing	13	Stator	27	Setscrew	39	Needlebearing	52	Junctionbox cover
4	Motorflang	14PL	Rotor	29	Key	40	Needlebearing	53	Stopping plug
4PLA	Motorflang	14BP	Sunwheel	29A	Key	40A	Innerring	55	Ballbearing incl.
6PL	Shaftend	15	Int. hex screw	29B	Key	41	Disc		backstop
7	Hollow shaft	16	Cable passage	31	Int. hex screw	42	Circlip	57	Dataplate
8A	Internal gear	17	Int. hex screw	32	Washer	45A	Bearing race		
8PL	Internal gear	17B	Int. hex screw	34	Fillerplug	45B	Bearing race		
9A	Cylindrical pin	18	Gasket	35	Washer	45C	Shim plated		

KT 160A30



Remark: Taildrum also available in B-design (KT160B30)

Legende

1	Shell	42	Circlip
2B	Endflang	45B	Bearing race
3	Shaft	45C	Shim plated
4	Ballbearing	45D	Gammaring
31	Int. hex screw	46	Oilseal
32	Washer		