

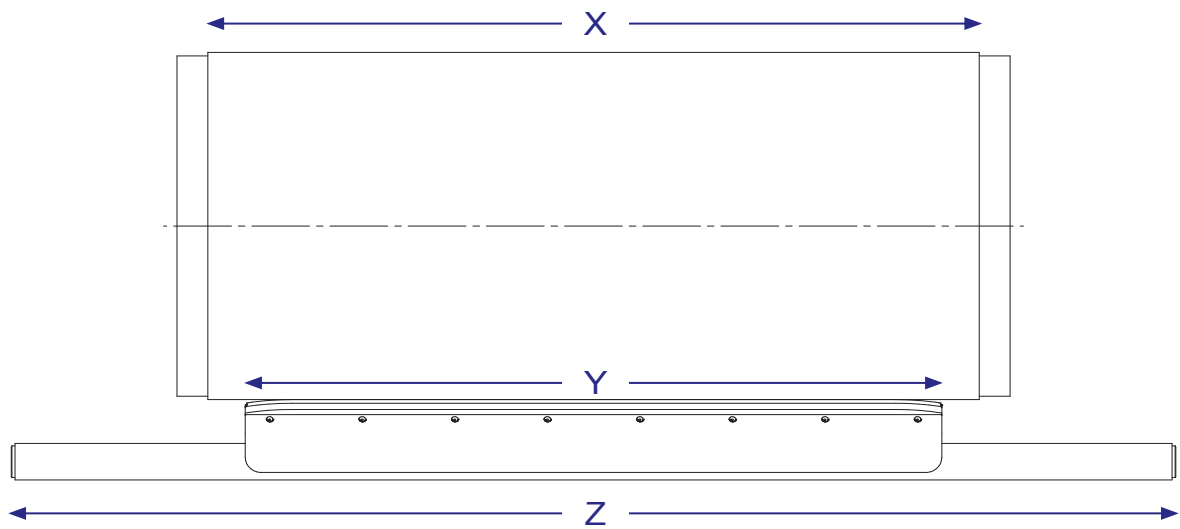
PEMA[®]
UR

S I M P L E & C L E A N

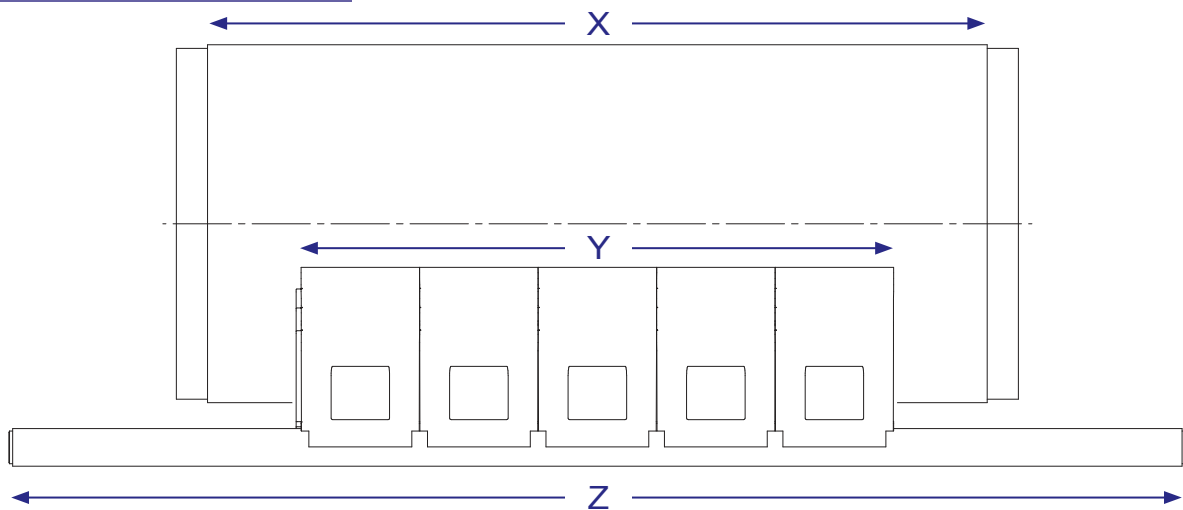


PETER MARTIN
Förderanlagen-Service

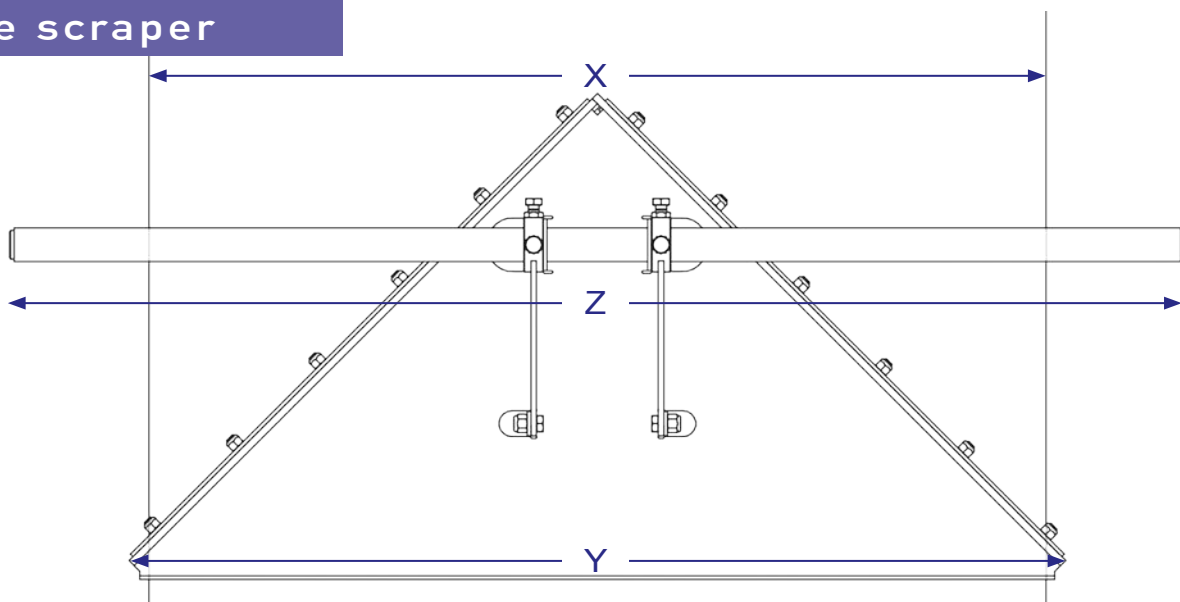
Hauptabstreifer secondary scraper



Vorabstreifer primary scraper



Innengurtabstreifer inline scraper



PEMA-UTR Prime 45°

V_{max}: 3,5 m/sec.*

-20°C/+70°C

BB/BW: 400 mm-3000 mm

V_{max}: 3,0 m/sec.*

-100°C/+200°C



	x	y	z	A	B	C
Ø 48	400	350	1000	001-001-350/45°	001-002-350/45°	001-003-400/48
	500	450	1000	001-001-450/45°	001-002-450/45°	001-003-500/48
	650	550	1200	001-001-550/45°	001-002-550/45°	001-003-650/48
	650	600	1200	001-001-600/45°	001-002-600/45°	001-003-650/48
	800	700	1300	001-001-700/45°	001-002-700/45°	001-003-800/48
	800	750	1300	001-001-750/45°	001-002-750/45°	001-003-800/48
	1000	900	1500	001-001-900/45°	001-002-900/45°	001-003-1000/48
	1000	950	1500	001-001-950/45°	001-002-950/45°	001-003-1000/48
Ø 60	1200	1050	1700	001-001-1050/45°	001-002-1050/45°	001-003-1200/60
	1200	1125	1700	001-001-1125/45°	001-002-1125/45°	001-003-1200/60
	1400	1200	1900	001-001-1200/45°	001-002-1200/45°	001-003-1400/60
	1400	1300	1900	001-001-1300/45°	001-002-1300/45°	001-003-1400/60
	1600	1400	2100	001-001-1400/45°	001-002-1400/45°	001-003-1600/60
	1600	1500	2100	001-001-1500/45°	001-002-1500/45°	001-003-1600/60
	1800	1600	2300	001-001-1600/45°	001-002-1600/45°	001-003-1800/60
	1800	1700	2300	001-001-1700/45°	001-002-1700/45°	001-003-1800/60
Ø 70	2000	1800	2500	001-001-1800/45°	001-002-1800/45°	001-003-2000/70
	2000	1900	2500	001-001-1900/45°	001-002-1900/45°	001-003-2000/70



050-001-400-650	050-005-400-650	050-003-400-650	050-004-400-650	050-009-M24	050-010-M24	050-011-M24
050-001-800-1000	050-005-800-1000	050-003-800-1000	050-004-800-1000	050-009-M30	050-010-M30	050-011-M30
050-001-1200-1800	050-005-1200-1800	050-003-1200-1800	050-004-1200-1800	050-009-M36	050-010-M36	050-011-M36
050-001-2000-2400	050-005-2000-2400	050-003-2000-2400	050-004-2000-2400	050-009-M42	050-010-M42	050-011-M42

PEMA-UTR Prime 90°

V_{max}: 3.5 m/sec.*

-20°C/+70°C

BB/BW: 400 mm-3000 mm

V_{max}: 3.0 m/sec.*

-100°C/+200°C



						
	x	y	z	A	B	C
Ø 48	400	350	1000	001-001- 350/90°	001-002- 350/90°	001-003- 400/48
	500	450	1000	001-001- 450/90°	001-002- 450/90°	001-003- 500/48
	650	550	1200	001-001- 550/90°	001-002- 550/90°	001-003- 650/48
	650	600	1200	001-001- 600/90°	001-002- 600/90°	001-003- 650/48
	800	700	1300	001-001- 700/90°	001-002- 700/90°	001-003- 800/48
	800	750	1300	001-001- 750/90°	001-002- 750/90°	001-003- 800/48
	1000	900	1500	001-001- 900/90°	001-002- 900/90°	001-003- 1000/48
	1000	950	1500	001-001- 950/90°	001-002- 950/90°	001-003- 1000/48
	1200	1050	1700	001-001- 1050/90°	001-002- 1050/90°	001-003- 1200/60
	1200	1125	1700	001-001- 1125/90°	001-002- 1125/90°	001-003- 1200/60
Ø 60	1400	1200	1900	001-001- 1200/90°	001-002- 1200/90°	001-003- 1400/60
	1400	1300	1900	001-001- 1300/90°	001-002- 1300/90°	001-003- 1400/60
	1600	1400	2100	001-001- 1400/90°	001-002- 1400/90°	001-003- 1600/60
	1600	1500	2100	001-001- 1500/90°	001-002- 1500/90°	001-003- 1600/60
	1800	1600	2300	001-001- 1600/90°	001-002- 1600/90°	001-003- 1800/60
	1800	1700	2300	001-001- 1700/90°	001-002- 1700/90°	001-003- 1800/60
	2000	1800	2500	001-001- 1800/90°	001-002- 1800/90°	001-003- 2000/70
	2000	1900	2500	001-001- 1900/90°	001-002- 1900/90°	001-003- 2000/70

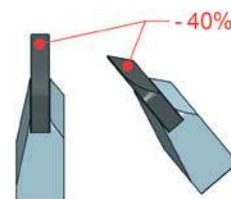


D	E	F	G	H	I	J
						
050-001- 400- 650	050-005- 400- 650	050-003- 400- 650	050-004- 400- 650	050-009- M24	050-010- M24	050-011- M24
050-001- 800- 1000	050-005- 800- 1000	050-003- 800- 1000	050-004- 800- 1000	050-009- M30	050-010- M30	050-011- M30
050-001- 1200- 1800	050-005- 1200- 1800	050-003- 1200- 1800	050-004- 1200- 1800	050-009- M36	050-010- M36	050-011- M36
050-001- 2000- 2400	050-005- 2000- 2400	050-003- 2000- 2400	050-004- 2000- 2400	050-009- M42	050-010- M42	050-011- M42

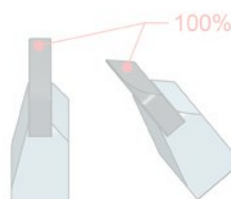
PEMA-UTR Prime Start 45°/90°



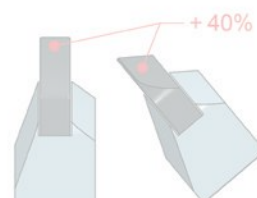
x	y	z	A	B
400	350	1000	011-001- 350/45°	011-002- 350/45°
500	450	1000	011-001- 450/...	011-002- 450/...
650	550	1200	011-001- 550/...	011-002- 550/...
650	600	1200	011-001- 600/...	011-002- 600/...
800	700	1300	011-001- 700/...	011-002- 700/...
800	750	1300	011-001- 750/...	011-002- 750/...
" "	" "	" "	" "	" "
" "	" "	" "	" "	" "
" "	" "	" "	" "	" "
1800	1700	2300	011-001- 1700/...	011-002- 1700/...
2000	1800	2500	011-001- 1800/...	011-002- 1800/...
2000	1900	2500	011-001- 1900/...	011-002- 1900/...



Start



Standard

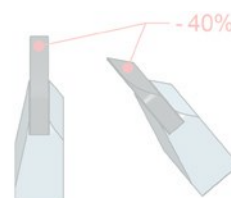


HD

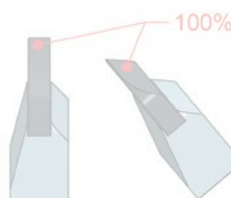
PEMA-UTR Prime HD 45°



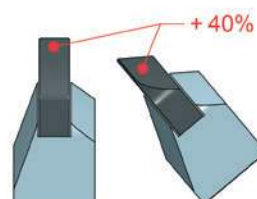
x	y	z	A	B
400	350	1000	012-001- 350/45°	012-002- 350/45°
500	450	1000	012-001- 450/45°	012-002- 450/45°
650	550	1200	012-001- 550/45°	012-002- 550/45°
650	600	1200	012-001- 600/45°	012-002- 600/45°
800	700	1300	012-001- 700/45°	012-002- 700/45°
800	750	1300	012-001- 750/45°	012-002- 750/45°
" "	" "	" "	" "	" "
" "	" "	" "	" "	" "
" "	" "	" "	" "	" "
1800	1700	2300	012-001- 1700/45°	012-002- 1700/45°
2000	1800	2500	012-001- 1800/45°	012-002- 1800/45°
2000	1900	2500	012-001- 1900/45°	012-002- 1900/45°



Start

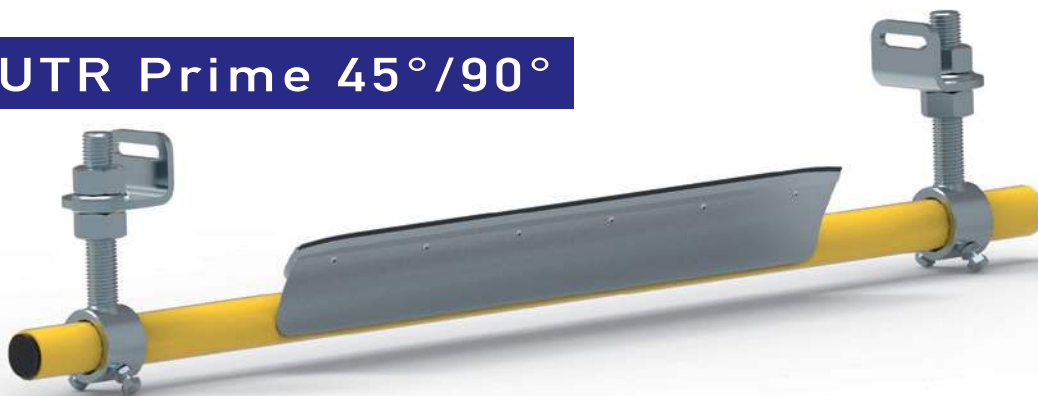


Standard

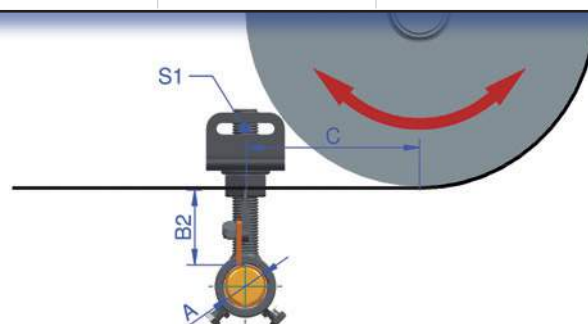
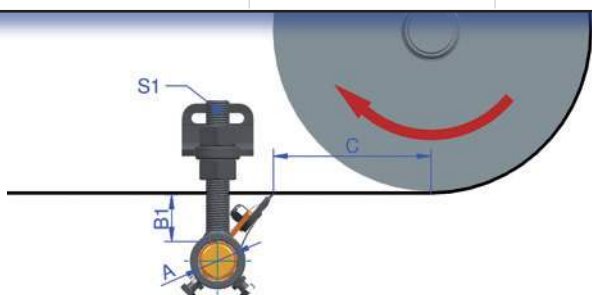


HD

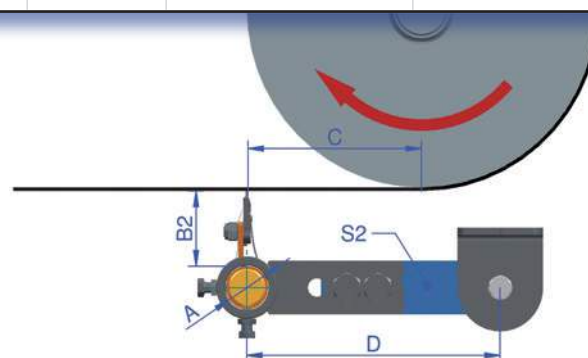
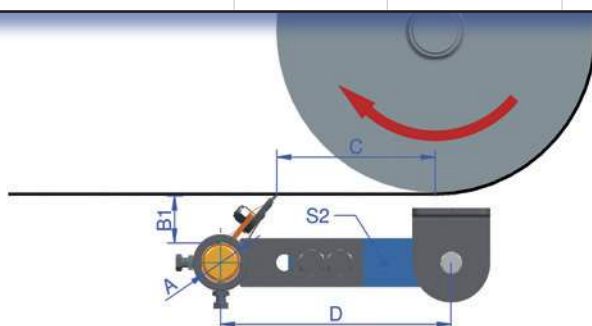
PEMA-UTR Prime 45°/90°



X	S1	A	B1	B2	C
400 – 650 mm	M 24 x 160 mm	Ø 48 mm	58 mm	82 mm	150 – 200 mm
800 – 1000 mm	M 30 x 160 mm				200 – 300 mm
1200 – 1800 mm	M 36 x 200 mm	Ø 60 mm	65 mm	95 mm	~ 300 mm
2000 – 2600 mm	M 42 x 200 mm	Ø 70 mm			



X	S2	A	B1	B2	C	D
400 – 650 mm	SE-27	Ø 48 mm	58 mm	82 mm	100 – 200 mm	250 mm
800 – 1000 mm	SE-38				120 – 200 mm	290 mm
1200 – 1800 mm	SE-38	Ø 60 mm	65 mm	95 mm	150 – 250 mm	298 mm
2000 – 2400 mm	SE-45	Ø 70 mm				360 mm



PEMA-UTR Line

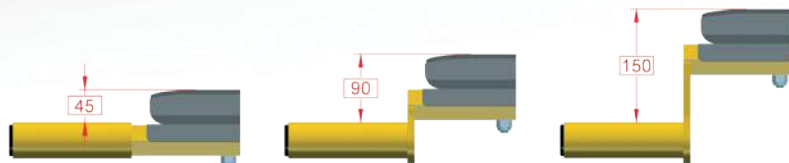
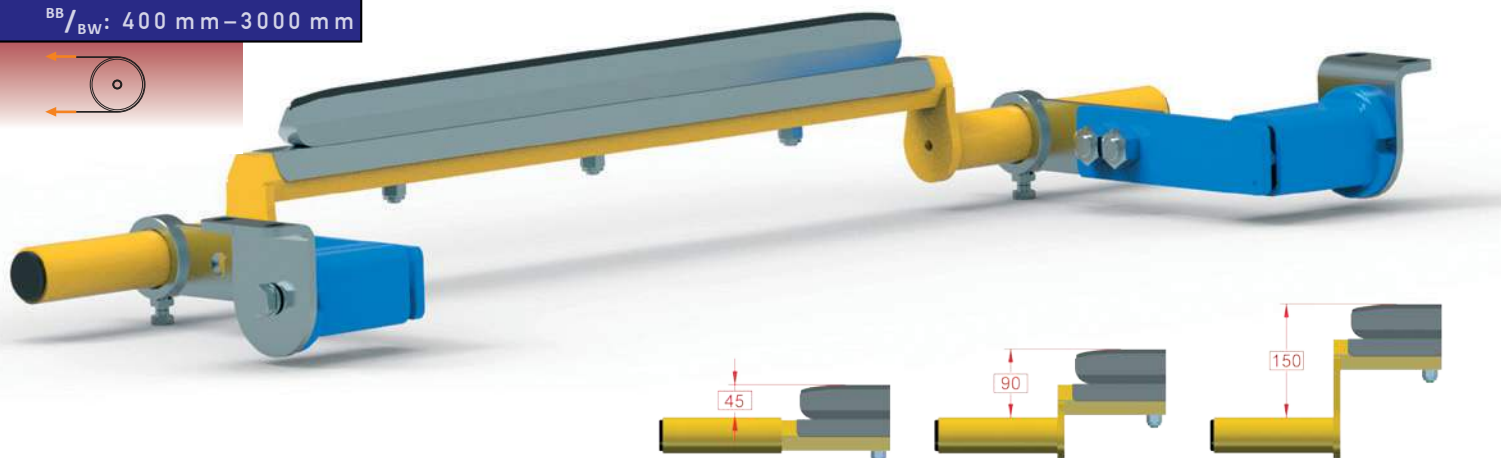
V_{max}: 3,5 m/sec.*

-20°C/+70°C

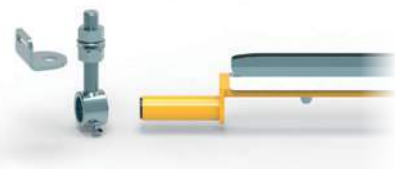
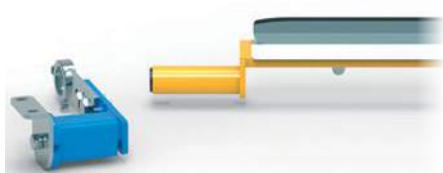
BB/BW: 400 mm-3000 mm

V_{max}: 3,0 m/sec.*

-100°C/+200°C

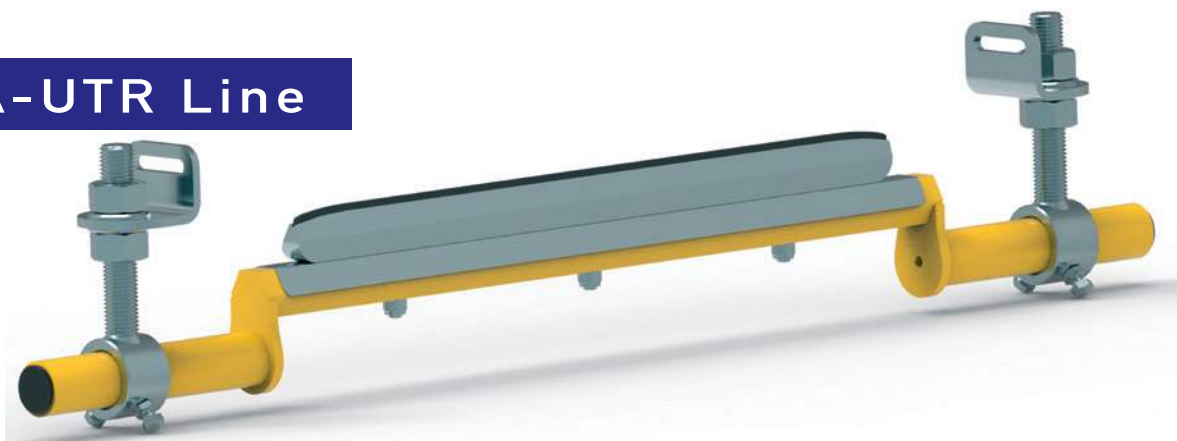


x	y	z	A	B	C
400	350	1000	003-001- 350/ 45	003-002- 350	003-003- 400/ 45
400	350	1000	003-001- 350/ 90	003-002- 350	003-003- 400/ 90
400	350	1000	003-001- 350/ 150	003-002- 350	003-003- 400/ 150
500	450	1000	003-001- 450/...	003-002- 450	003-003- 500/...
650	550	1200	003-001- 550/...	003-002- 550	003-003- 650/...
650	600	1200	003-001- 600/...	003-002- 600	003-003- 650/...
800	700	1300	003-001- 700/...	003-002- 700	003-003- 800/...
800	750	1300	003-001- 750/...	003-002- 750	003-003- 800/...
1000	900	1500	003-001- 900/...	003-002- 900	003-003-1000/...
1000	950	1500	003-001- 950/...	003-002- 950	003-003-1000/...
1200	1050	1700	003-001-1050/...	003-002-1050	003-003-1200/...
1200	1125	1700	003-001-1125/...	003-002-1125	003-003-1200/...
1400	1200	1900	003-001-1200/...	003-002-1200	003-003-1400/...
1400	1300	1900	003-001-1300/...	003-002-1300	003-003-1400/...

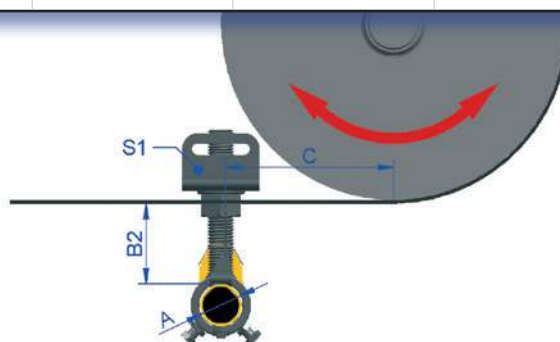
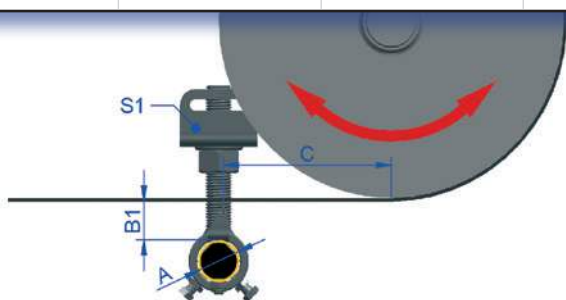


D	E	F	G	H	I	J
050-001-400- 650 050-001-800-1000	050-005-400- 650 050-005-800-1000	050-003-400- 650 050-003-800-1000	050-004-400- 650 050-004-800-1000	050-009-M24 050-009-M30 050-009-M36/48	050-010-M24 050-010-M30 050-010-M36/48	050-011-M24 050-011-M30 050-011-M36/48

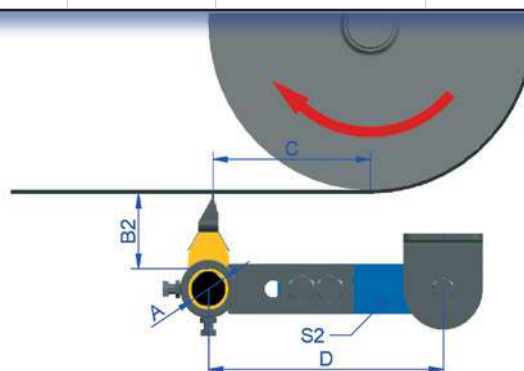
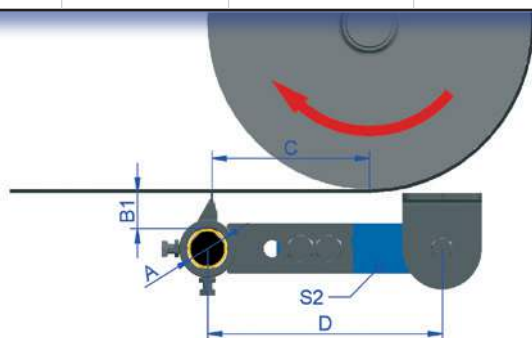
PEMA-UTR Line



X	S1	A	B1	B2	B3	C
400 – 650 mm	M 24 x 160 mm	Ø 48 mm	45 mm	90 mm	150 mm	150 – 200 mm
800 – 1000 mm	M 30 x 160 mm					200 – 300 mm
1200 – 1400 mm	M 36 x 160 mm					– 300 mm



X	S1	A	B1	B2	B3	C	D
400 – 650 mm	SE-27	Ø 48 mm	45 mm	90 mm	150 mm	100 – 200 mm	250 mm
800 – 1000 mm	SE-38					120 – 200 mm	290 mm
1200 – 1400 mm						150 – 250 mm	



PEMA-UTR FLIP

V_{max}: 2,5 m/sec.*

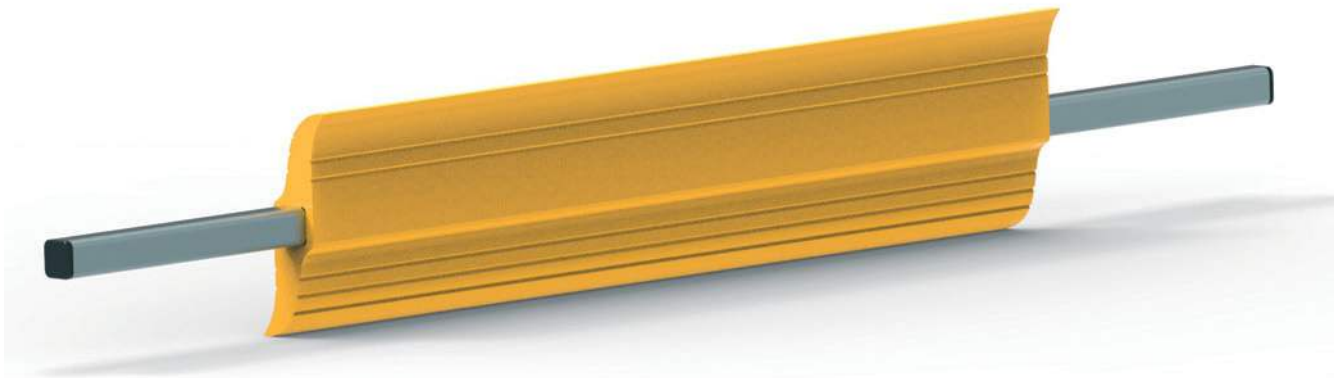
-30°C/+60°C

^{BB}/_{BW}: 400 mm-1400 mm

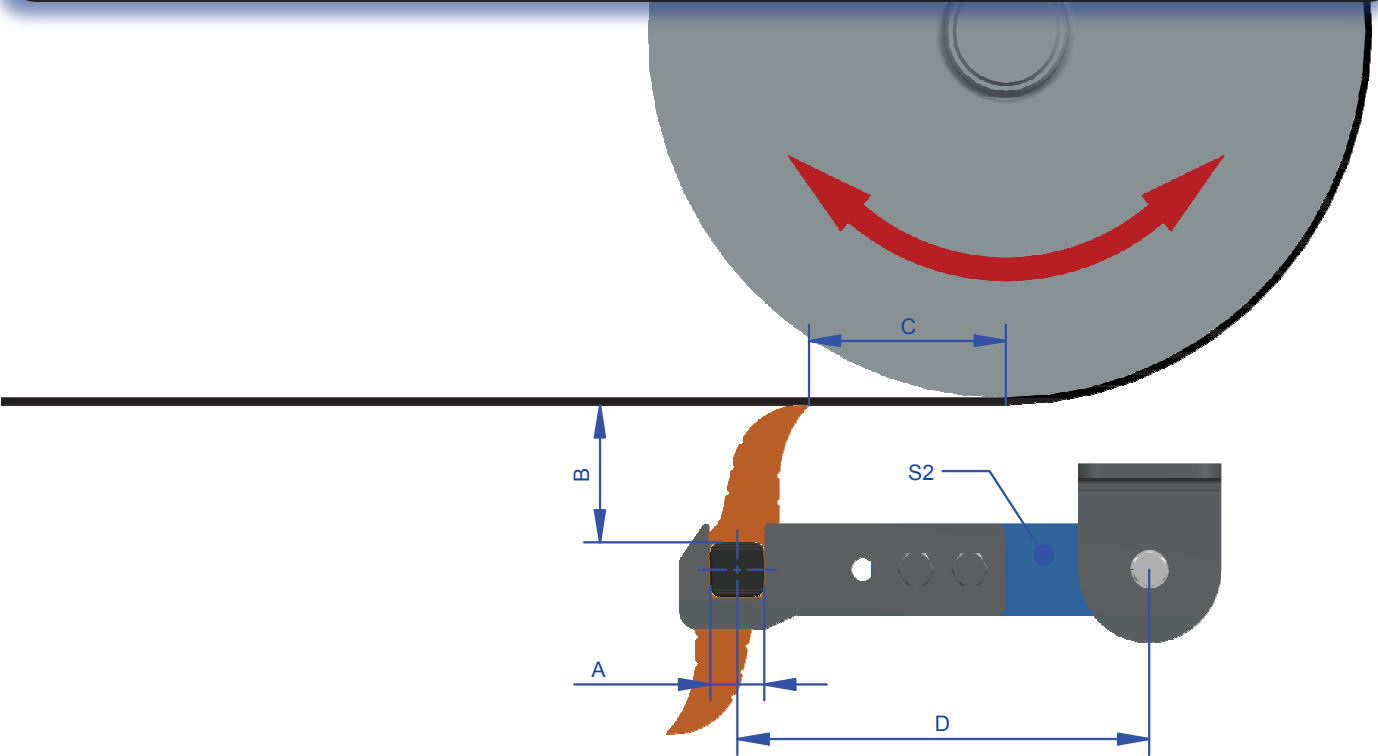


						
	x	y	z	A	B	C
30x30	400	350	1000	008-001- 350	050-002- 400- 800	050-016- 400- 800
	500	450	1000	008-001- 450		
	650	550	1200	008-001- 550		
	650	600	1200	008-001- 600		
	800	700	1300	008-001- 700		
	800	750	1300	008-001- 750		
	1000	800	1500	008-001- 800		
	1000	900	1500	008-001- 900		
	1200	1000	1500	008-001-1000	050-002-1000-1400	050-016-1000-1400
	1200	1100	1500	008-001-1100		
	1400	1200	1500	008-001-1200		
	1400	1300	1500	008-001-1300		

PEMA-UTR FLIP



X	S2	A	B	C	D
400 – 800 mm	SE-27	□ 30 mm	75 mm	50 mm – 100 mm	230 mm
1000 – 1400 mm	SE-38				280 mm

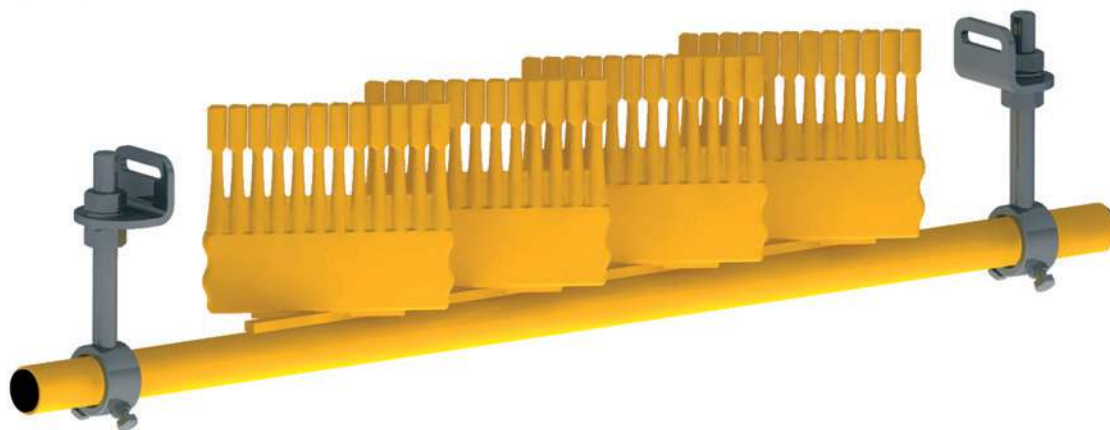


PEMA-UTR CC1

V_{max}: 2,5 m/sec.*

-30°C/+60°C

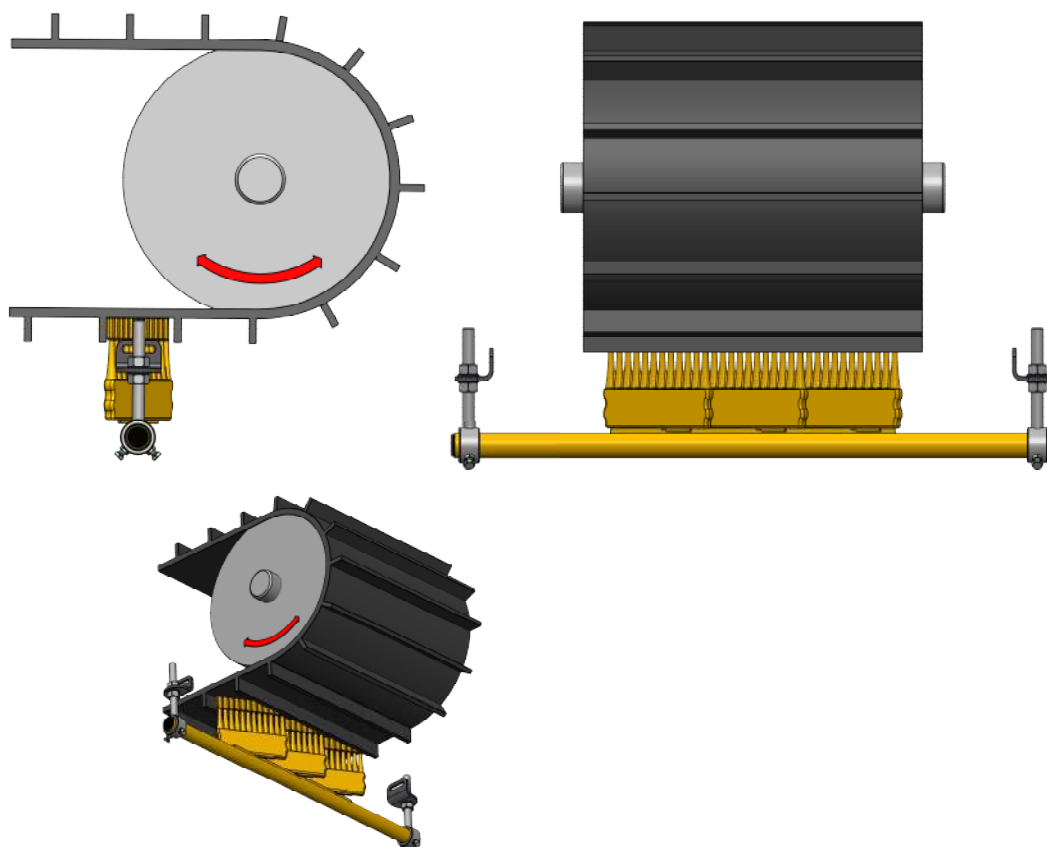
^{BB}/_{BW}: 400 mm-1800 mm



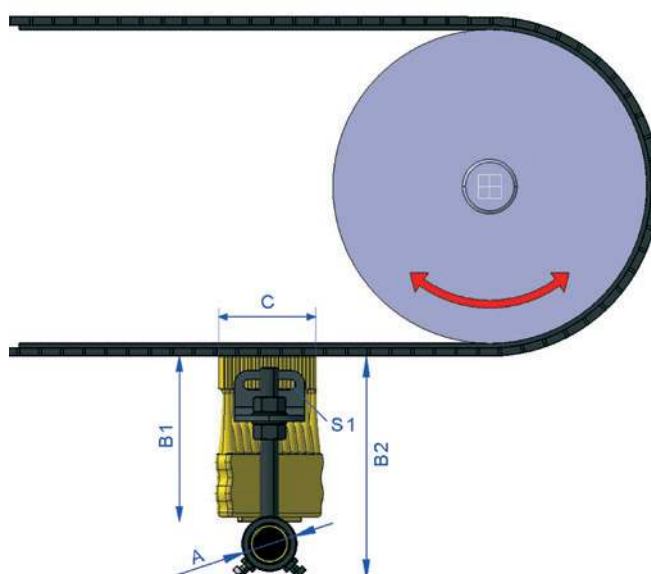
	x	y	Pcs./Stk.	z	A	B
Ø 48	400	400	2	1000	010-001- 400	010-002-200 
	500	400	2	1000	010-001- 400	
	650	590	3	1200	010-001- 590	
	800	780	4	1300	010-001- 780	
	1000	970	5	1500	010-001- 970	
Ø 60	1200	1160	6	1700	010-001-1160	
	1400	1350	7	1900	010-001-1350	
	1600	1540	8	2100	010-001-1540	
	1800	1730	9	2300	010-001-1730	

X			
	H	I	J
BB 400 - 1200	 050-009-M24_200	 050-010-M24_200	 050-011-M24
BB 1400 - 1800	050-009-M30_200	050-010-M30_200	050-011-M30

PEMA-UTR CC1



X	S1	A	B1	B2	C
400 – 1400 mm	M24 x 200	Ø 48 mm	205 mm	270 mm	135 mm
1600 – 1800 mm	M30 x 200	Ø 60 mm	205 mm	282 mm	135 mm



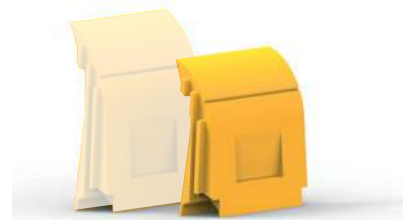
PEMA-UTR Neo S

V_{max}: 3,5 m/sec.*

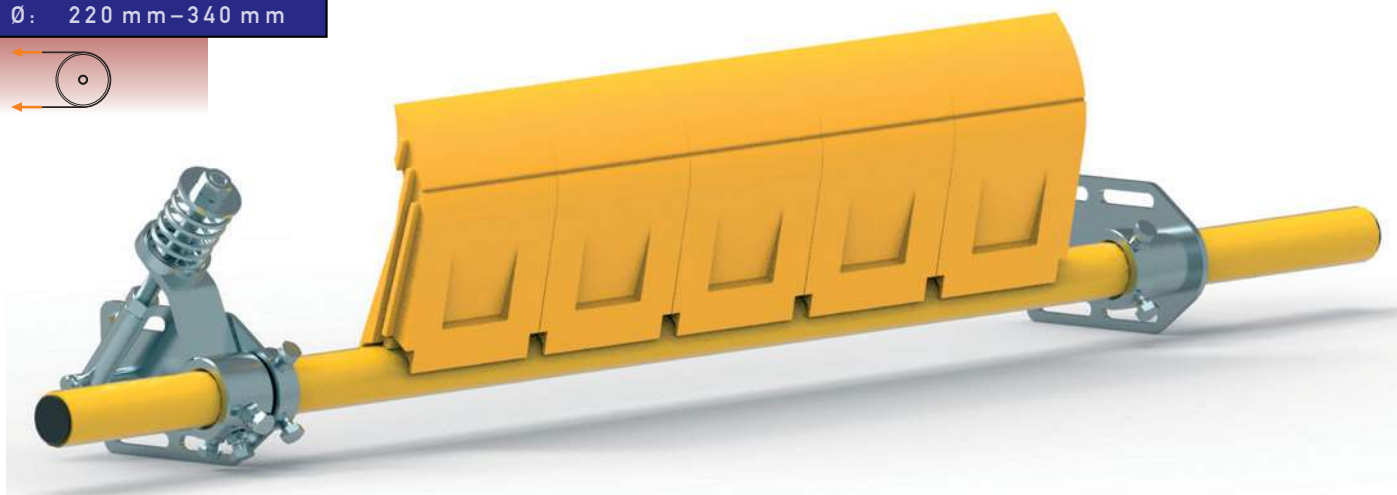
-30°C/+80°C

BB / BW: 400 mm-2000 mm

Ø: 220 mm-340 mm



Neo M Neo S



				A	B
	x	y	z		
Ø 48	400	300	1000	006-001-300	006-002-150
	500	300	1000	006-001-300	
	650	450	1200	006-001-450	
	800	600	1300	006-001-600	
	1000	750	1500	006-001-750	
Ø 60	1200	900	1700	006-001-900	
	1400	1050	1900	006-001-1050	
	1600	1200	2100	006-001-1200	
	1600	1350	2100	006-001-1350	
	1800	1500	2300	006-001-1500	
	1800	1650	2300	006-001-1650	



X
BB 400 – 1000 (Ø 48)
BB 1200 – 1400 (Ø 60)
BB 1600 – 1800 (Ø 60)

S
050-020-48
050-020-60
050-021-60

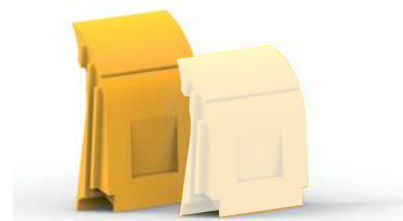
PEMA-UTR Neo M

V_{max}: 3,5 m/sec.*

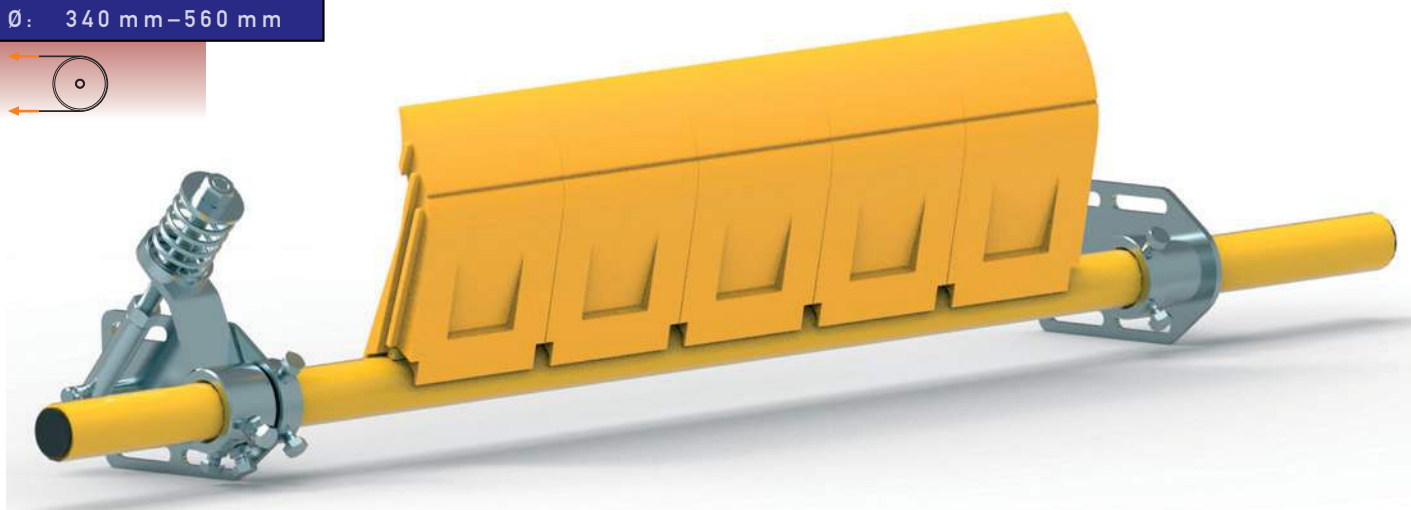
-30°C/+80°C

BB / BW: 400 mm-2000 mm

Ø: 340 mm-560 mm



Neo M Neo S



				A	B
	x	y	z		
Ø 48	400	300	1000	005-001-300	005-002-150
	500	300	1000	005-001-300	
	650	450	1200	005-001-450	
	800	600	1300	005-001-600	
	1000	750	1500	005-001-750	
Ø 60	1200	900	1700	005-001-900	
	1400	1050	1900	005-001-1050	
	1600	1200	2100	005-001-1200	
	1600	1350	2100	005-001-1350	
	1800	1500	2300	005-001-1500	
	1800	1650	2300	005-001-1650	



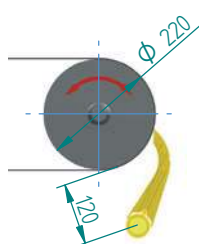
X

BB 400 – 1000 (Ø 48)
BB 1200 – 1400 (Ø 60)
BB 1600 – 1800 (Ø 60)

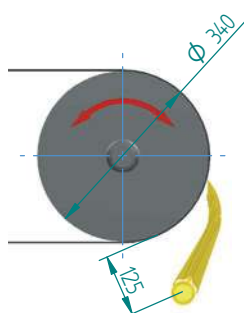
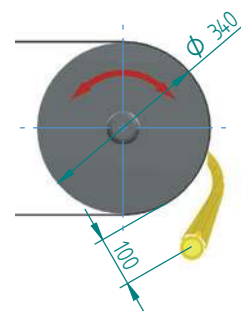
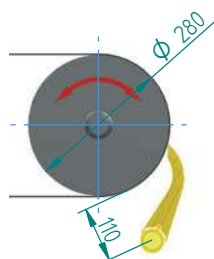
S

050-020-48
050-020-60
050-021-60

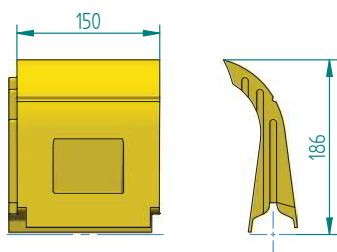
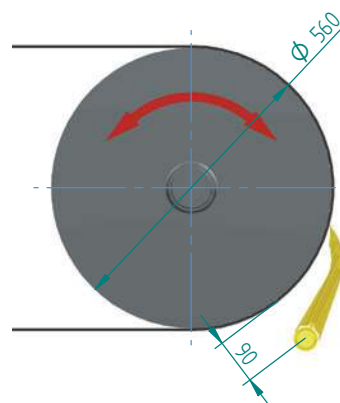
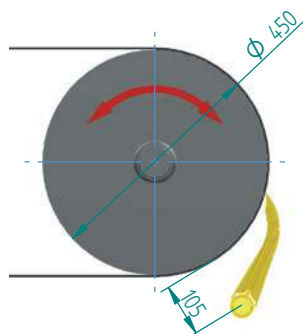
PEMA-UTR Neo S / Neo M



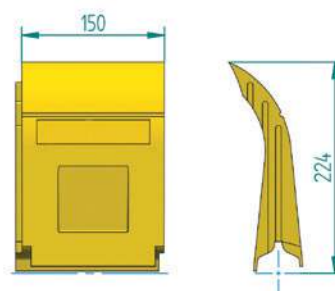
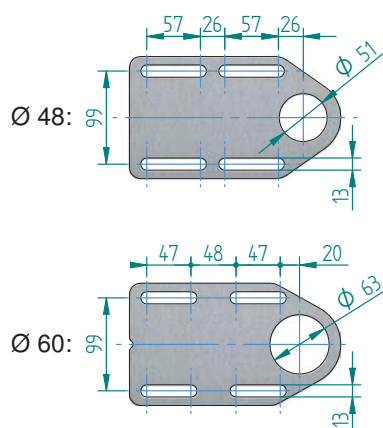
Neo S



Neo M



Neo S



Neo M

PEMA-UTR Neo L

V_{max}: 3,5 m/sec.*

-30°C/+80°C

^{BB}/_{BW}: 400 mm-2600 mm

Ø: 630 mm-1200 mm



Neo L Neo M Neo S



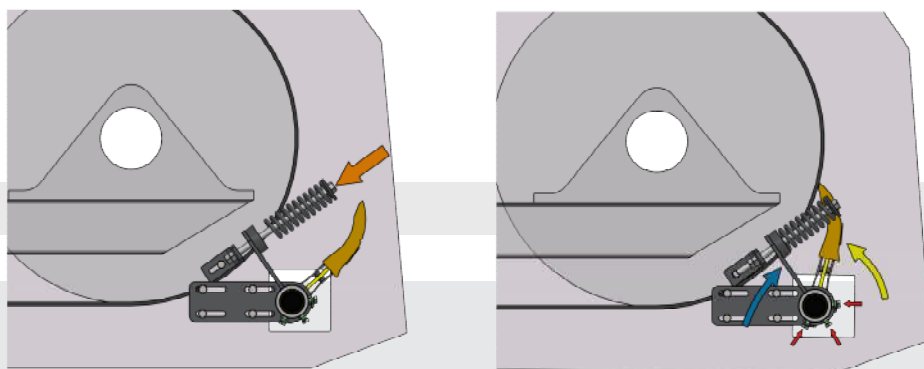
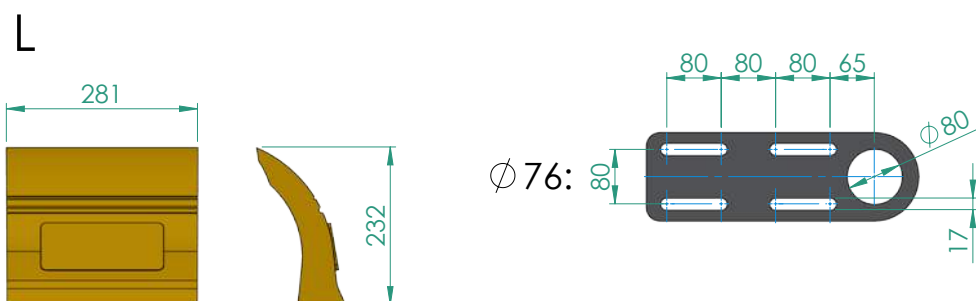
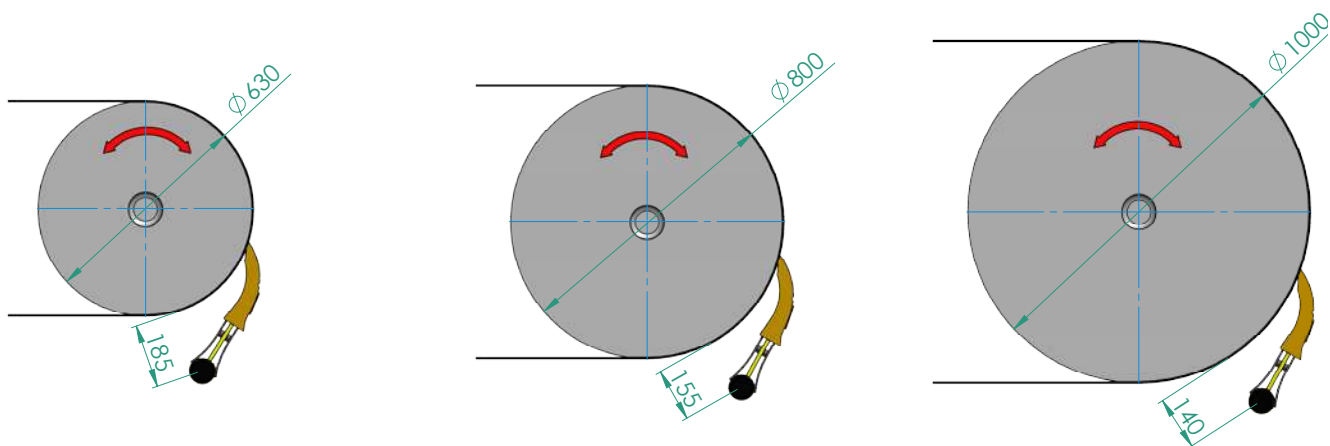
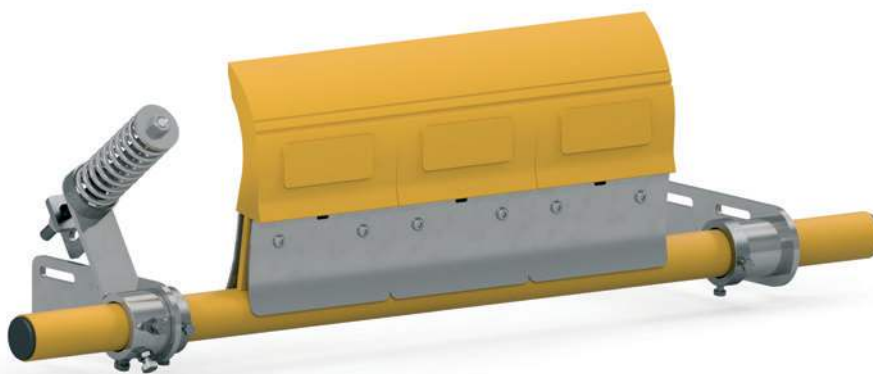
Ø 76

x	y	Pcs./Stk.	z
400	280	1	1000
500	280	1	1200
650	560	2	1300
800	560	2	1500
1000	840	3	1700
1200	1120	4	1900
1400	1120	4	2100
1600	1400	5	2300
1800	1680	6	2500

A	B
013-001- 280	013-002-280
013-001- 280	
013-001- 560	
013-001- 560	
013-001- 560	
013-001- 840	
013-001- 1120	
013-001- 1120	
013-001- 1400	
013-001- 1680	

 S	X		S
	BB 400 – 1800 (Ø 76)		050-020-76
	BB 2000 – 2600 (Ø 76)		050-021-76
	beidseitige Spannung double sided tension		

PEMA-UTR Neo L



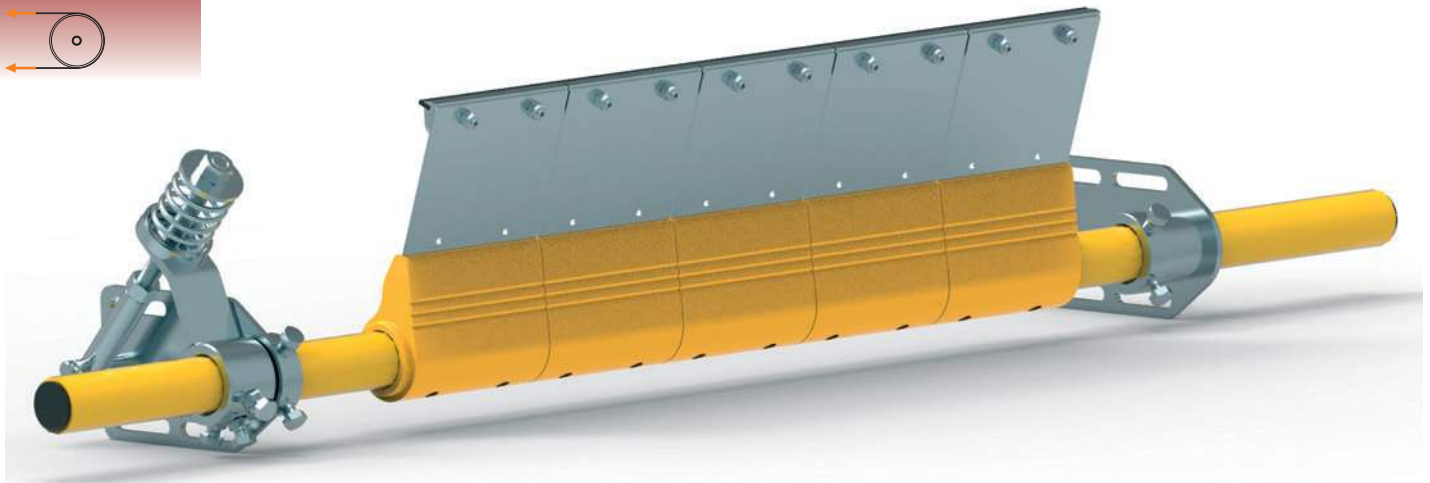
PEMA-UTR X-Clean

V_{max}: 3 m/sec.*

-30°C/+80°C

BB / BW: 400 mm – 2000 mm

Ø: 220 mm – 560 mm



x	y	z	A	B	C
400	300	1000	004-001-300	004-003-150/1	004-002-150/1
500	300	1000	004-001-300		
650	450	1200	004-001-450		
800	600	1300	004-001-600		
1000	750	1500	004-001-750		
1200	900	1700	004-001-900		
1400	1050	1900	004-001-1050		
1600	1200	2100	004-001-1200		
1600	1350	2100	004-001-1350		
1800	1500	2300	004-001-1500		
1800	1650	2300	004-001-1650		
1800	1650	2300	004-001-1650		



S

X

S

BB 400 – 1800 (Ø 48)

BB 1200 – 1800 (Ø 48)

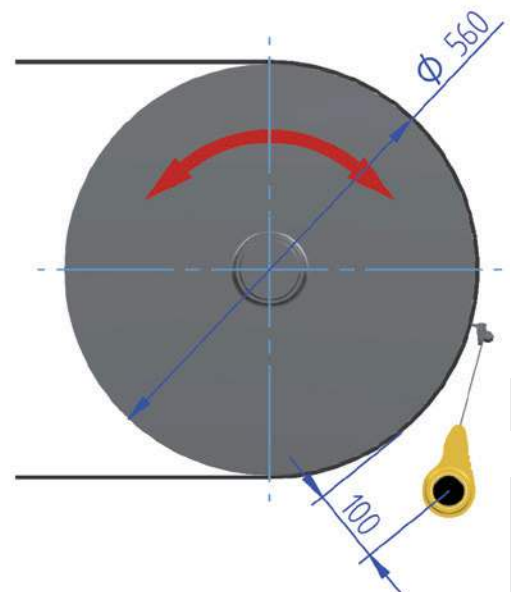
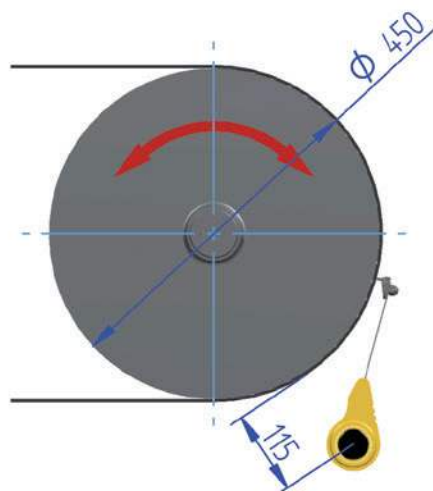
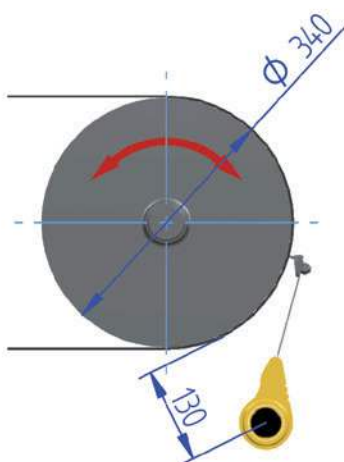
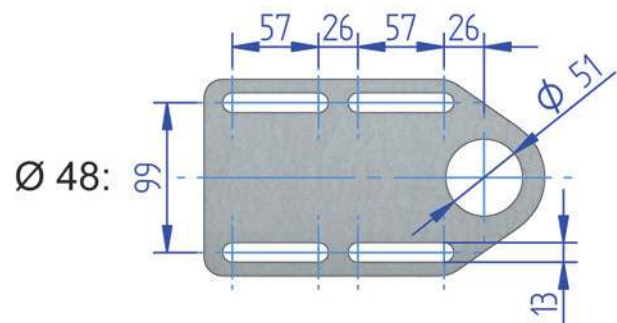
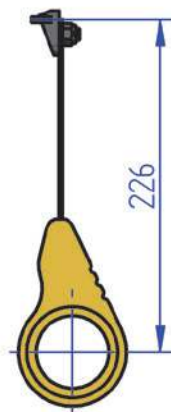
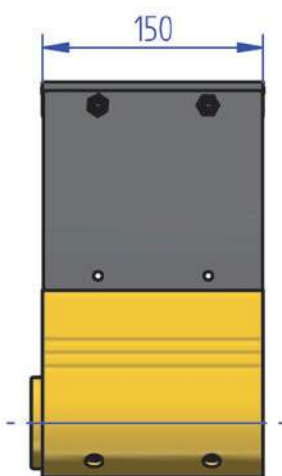
beidseitige Spannung

double sided tension

050-020-48

050-021-48

PEMA-UTR X-Clean

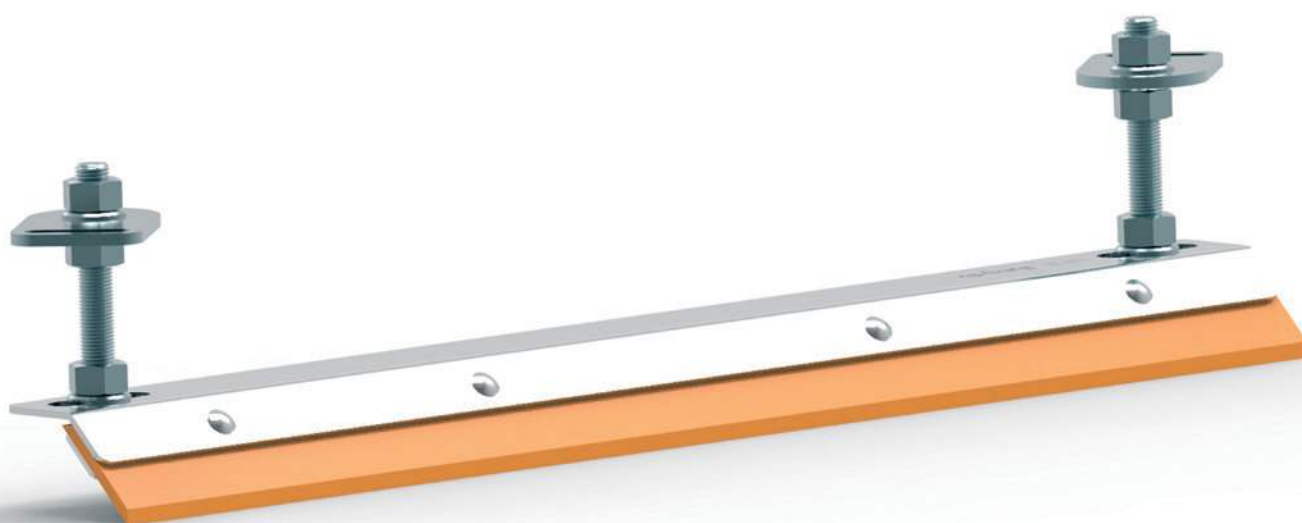


PEMA-UTR Wing

V_{max}: 3 m/sec.*

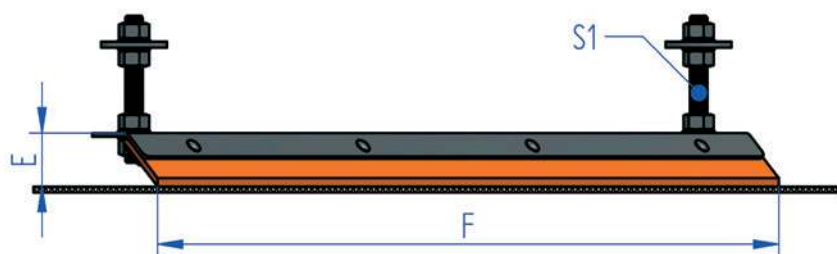
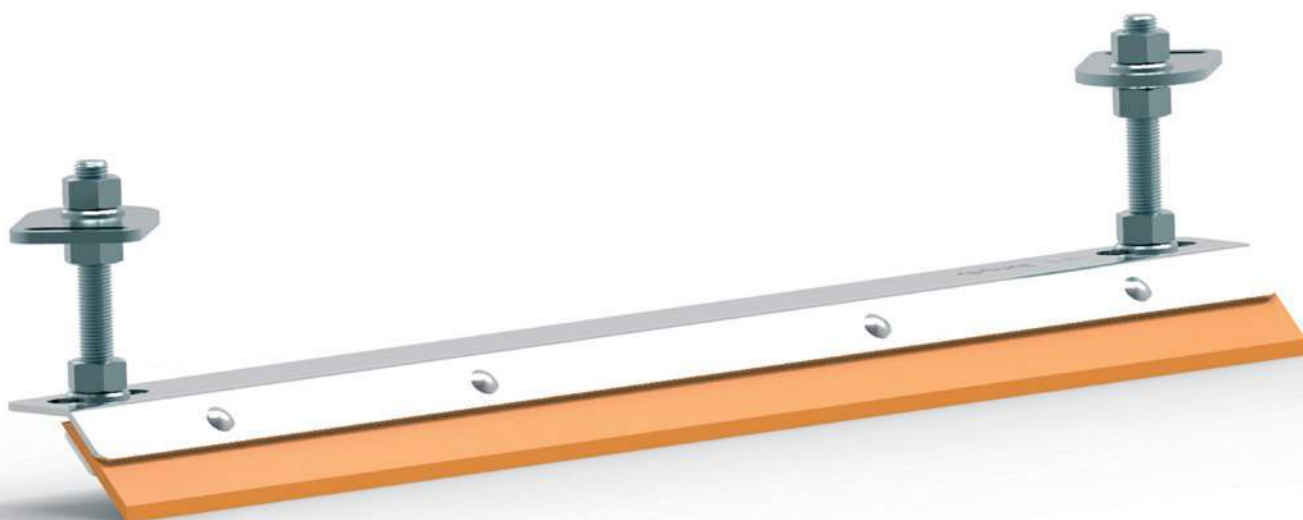
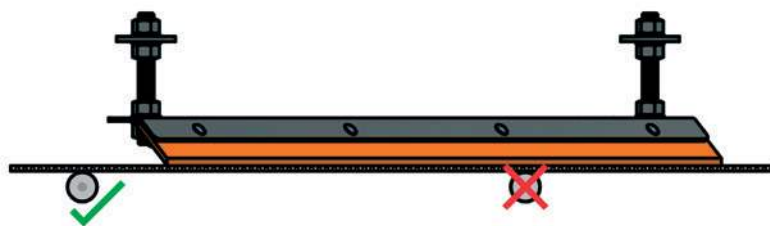
-30°C/+80°C

^{BB}/_{BW}: 400 mm-1600 mm



x	y		
		A	B
400	450	002-001- 400	002-002- 400
500	550	002-001- 500	002-002- 500
650	700	002-001- 650	002-002- 650
800	850	002-001- 800	002-002- 800
1000	1050	002-001-1000	002-002-1000
1200	1250	002-001-1200	002-002-1200
1400	1450	002-001-1400	002-002-1400
1600	1650	002-001-1600	002-002-1600

PEMA-UTR Wing



X	S1	E	F
400 mm	M24 x 200 mm	75 mm	590 mm
500 mm			710 mm
650 mm			895 mm
800 mm			1080 mm
1000 mm			1320 mm
1200 mm			1565 mm
1400 mm			1810 mm
1600 mm			2050 mm

PEMA-UTR Double Wing

V_{max}: 3 m/sec.*

-30°C/+80°C

^{BB}/_{BW}: 400 mm-1600 mm



Ø 38

x	y	z
400	450	1000
500	550	1000
650	700	1200
800	850	1300
1000	1050	1500
1200	1250	1700
1400	1450	1900
1600	1650	2100



A

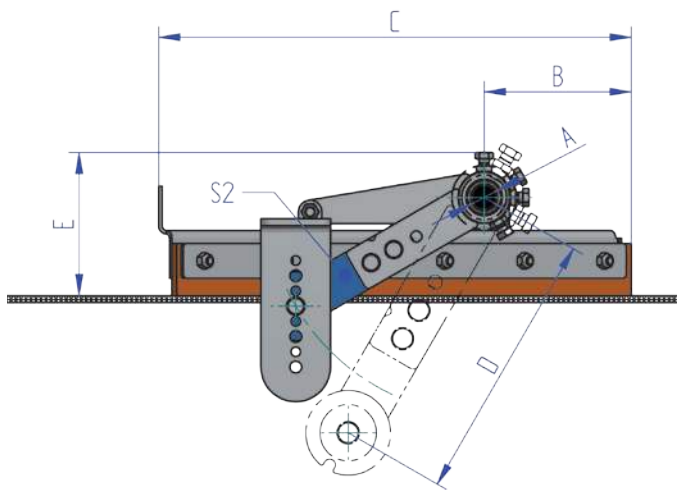
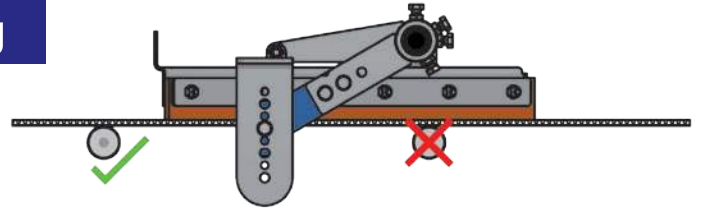
007-001- 400
007-001- 500
007-001- 650
007-001- 800
007-001-1000
007-001-1200
007-001-1400
007-001-1600



B

007-002- 400
007-002- 500
007-002- 650
007-002- 800
007-002-1000
007-002-1200
007-002-1400
007-002-1600

PEMA-UTR Double Wing



X	S2	A	B	C	D	E	Z
400 mm	SE-18	Ø38	170 mm	295 mm	210 mm	165 mm	1000 mm
500 mm				370 mm			1000 mm
650 mm				480 mm			1200 mm
800 mm	SE-27	Ø38	170 mm	580 mm	250 mm	165 mm	1300 mm
1000 mm				730 mm			1500 mm
1200 mm				870 mm			1700 mm
1400 mm				1010 mm			1900 mm
1600 mm				1145 mm			2100 mm



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