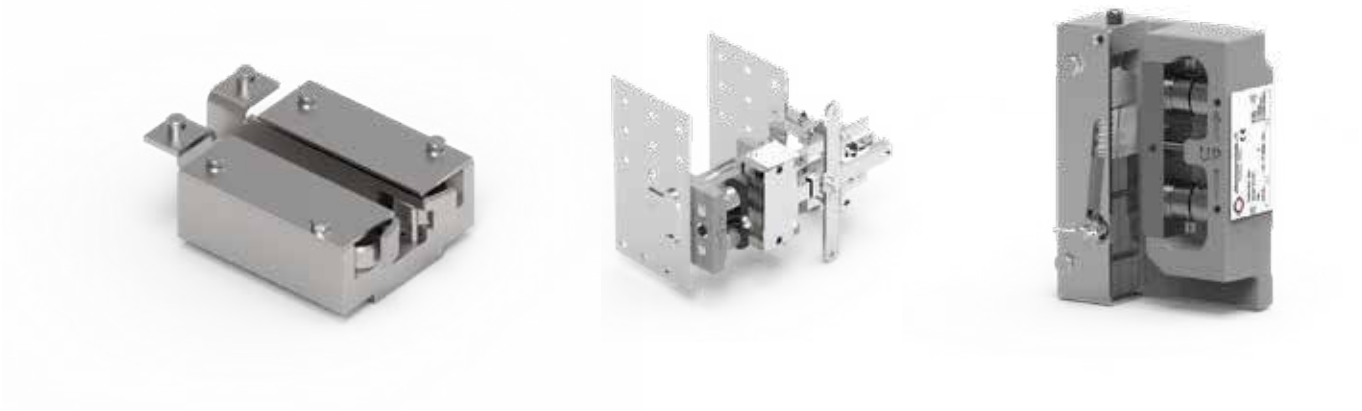
SAFETY GEARS

SAFETY GEARS



Montanari produces a wide range of safety gear units compliant with Directive 95/16/CE - 2014/33/EU Type-examination certificate available:

- instantaneous safety gears;
- one-way progressive safety gears (downwards);
- two-way progressive safety gears (upwards/downwards).

KEY TO SYMBOLS

P	Cabin mass including accessories
Q	Capacity
V	Cabin speed
V1	Tripping speed
H	Guide-rail tickness
TOS	Dry and lubed drawn guides
TO	Drawn and lubed guides
TS	Drawn and non lubed drawn guides
LOS	Dry and lubed machined guides
LO	Machined and lubed guides
LS	Machined and non - lubed guides
SF	Ascending brake force
Bil	Balance factor (0.5 = 50%)
g	Acceleration by force of gravity
dec	Deceleration by ascending brake force (dec <= g)

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Latest updated material are available on our official channels or upon request.
All images shown are for representation purposes only.

TAB282.2 - INSTANTANEOUS

TYPE	V m/s	H mm	ART.	A	B	C	D	E	F	G
PL50	0,63	8	AC00000874	97	100	40	21.5	48.5	14	22
		9	AC00000875							
		10	AC00000876							

V1			PL50	
			H	
			8-9 mm	10 mm
Counterwight	Cabin	m/s	P + Q max kg	
		0,1	1647	1983
		0,2	1628	1960
		0,3	1597	1923
		0,4	1556	1873
		0,5	1506	1812
		0,6	1449	1744
		0,7	1387	1670
		0,8	1322	1591
		0,9	1255	1511
		1,0	1188	1430
		1,1	1122	1350
		1,2	1057	1272
		1,32	983	1183
		1,5	879	1058
		1,65	800	963

PL50

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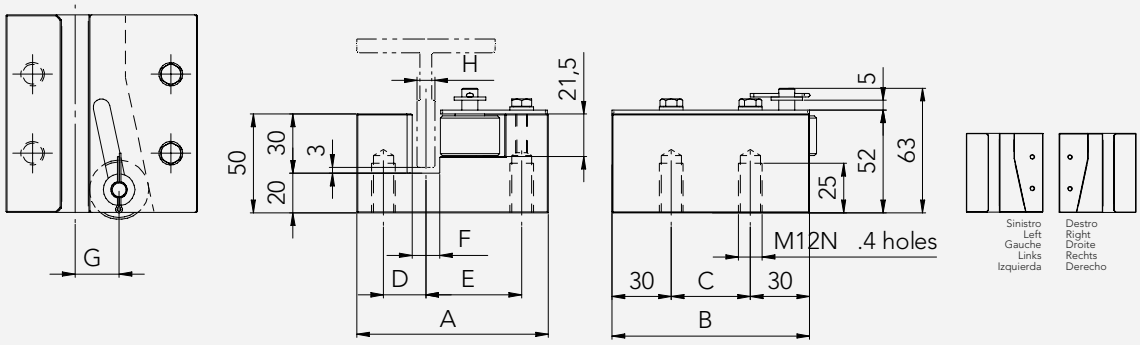
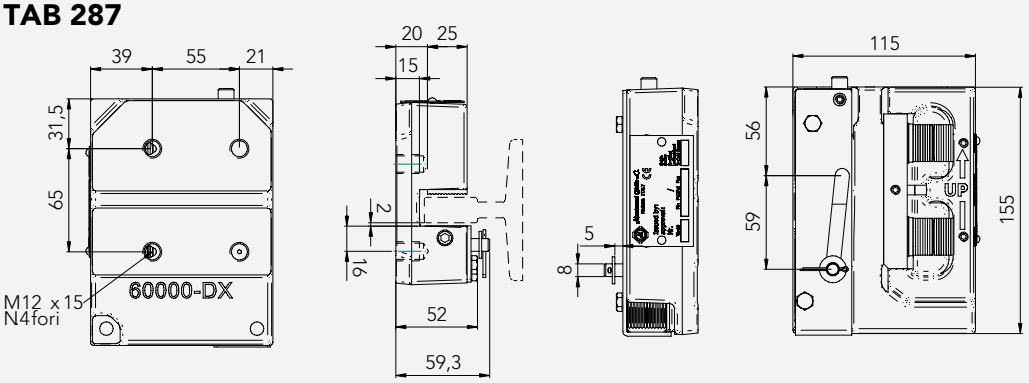


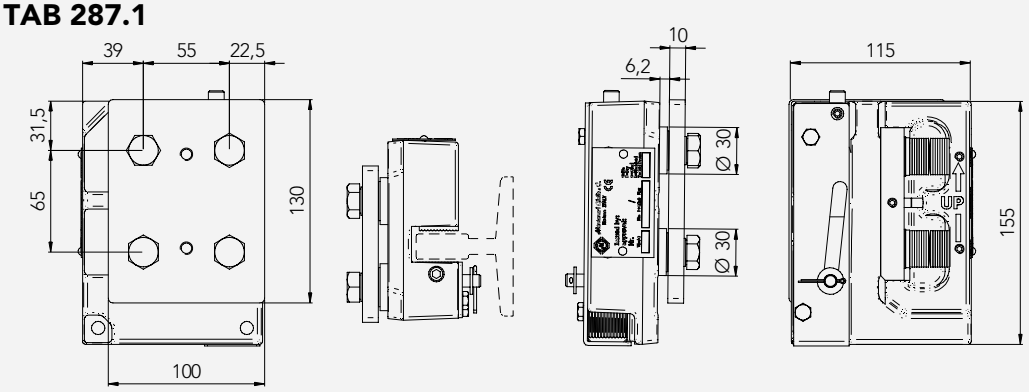
TAB	ART.	H mm	Vn m/s	V1 m/s	P + Q max kg
287	AC00001502	11 - 16	2	2,88	LS 582 - 4300 LO 635 - 4190 TS 638 - 3469 TO 626 - 2813
	AC00001503	7 - 10			
287.1	AC00001508	11 - 16			
	AC00001509	7 - 10			

Suitable for cantilevered frames

TAB 287



TAB 287.1



Suitable for standard frames

TAB287 - 287.1 - OPTIONAL		
Device with plates	AC00001504	L = 180 mm
	AC00001505	L = 240 mm
Group of levers	AC00001500	L = 180 mm
	AC00001501	L = 240 mm
Connecting rod	AC00000361	800 <= DBG <= 1150
	AC00000362	1150 <= DBG <= 1800
	AC00000363	1800 <= DBG <= 2150
Contact with manual reset	AC00001506	Pizzato FR17A3-K15
Contact with automatic reset	AC00001507	Pizzato FR6A1-C1 CPL
Rope attachment	AV90000486	Ø 5 – 6.5 mm
	AV90000545	Ø 6 – 8 mm

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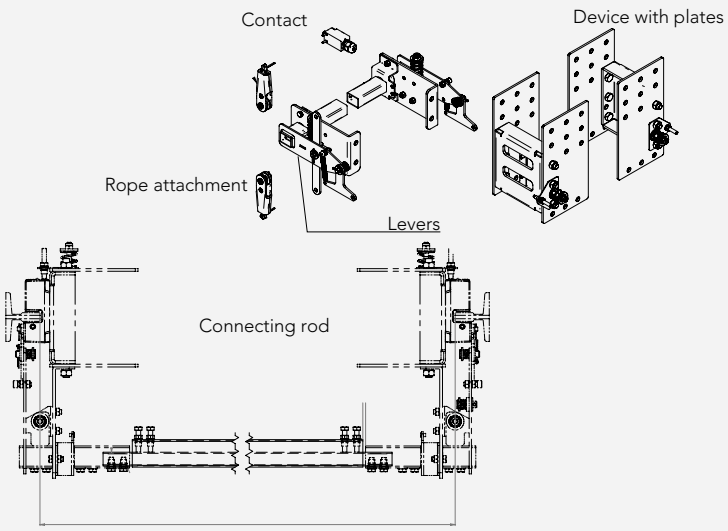
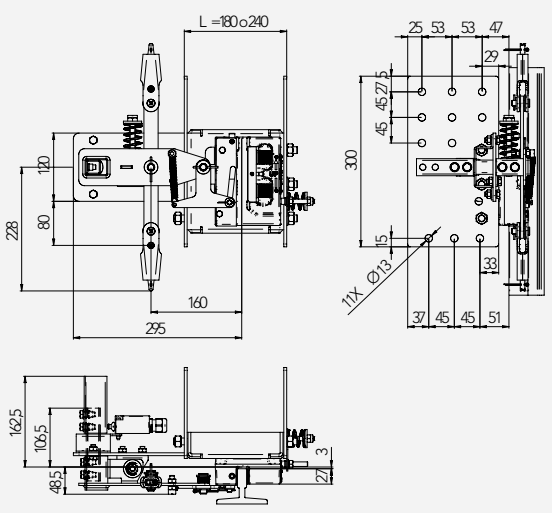


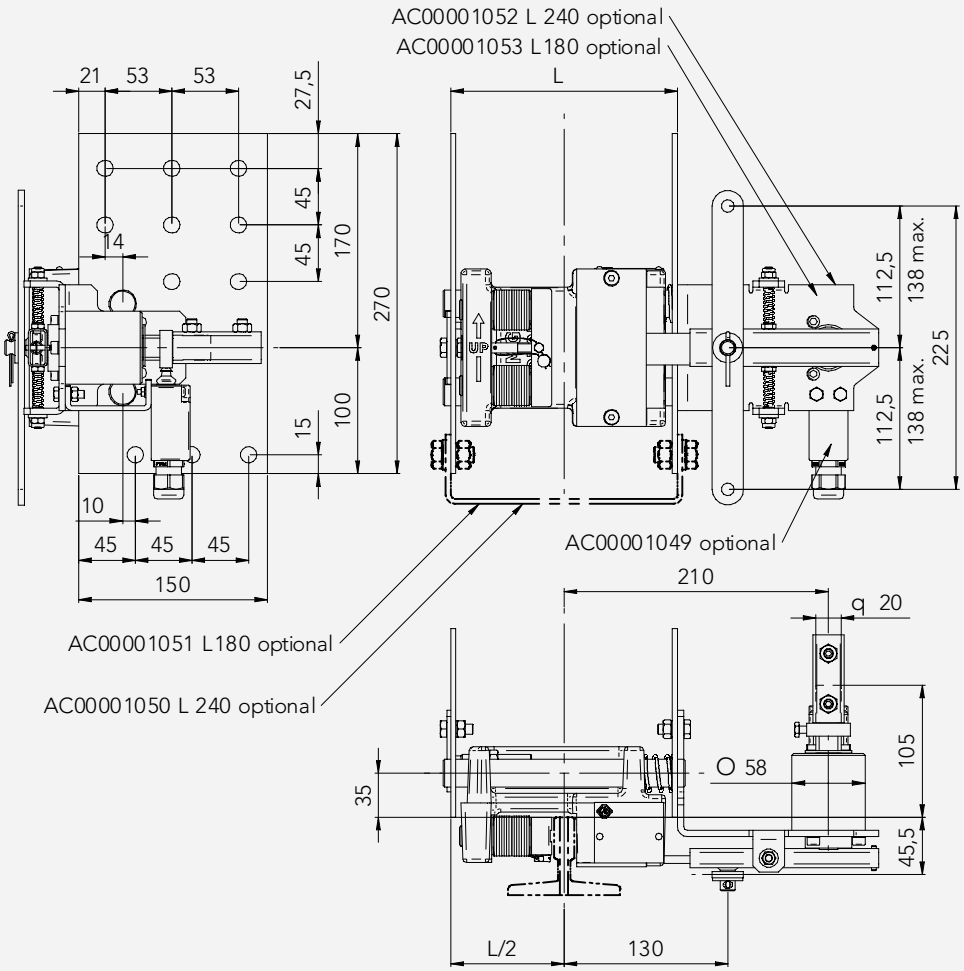


PPR25-40BD

TAB283.10 - 12
TWO-WAY PROGRESSIVE

Suitable for standard frames

TYPE	L	ART	P + Q max kg	SF N	V m/s	V1 m/s	H mm
PPR25BD	180	AC00001054	TO 568 - 3002 TS 605 - 2864 LO 716 - 2561 LS 601 - 2919	8916 ÷ 47124 9495 ÷ 44948 11234 ÷ 40202 9441 ÷ 45820	2,29	2,63	8 - 16
	240	AC00001055					
PPR40BD	180	AC00001089	TO 3002 - 3997 TS 2865 - 4009 LO 2562 - 4662 LS 2920 - 4638	8916 ÷ 47124 9495 ÷ 44948 11234 ÷ 40202 9441 ÷ 45820			
	240	AC00001090					



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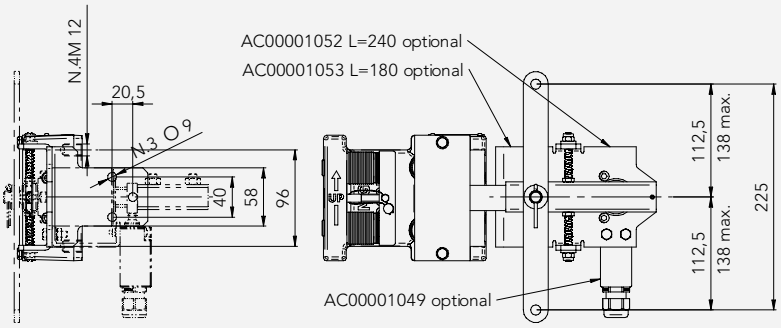
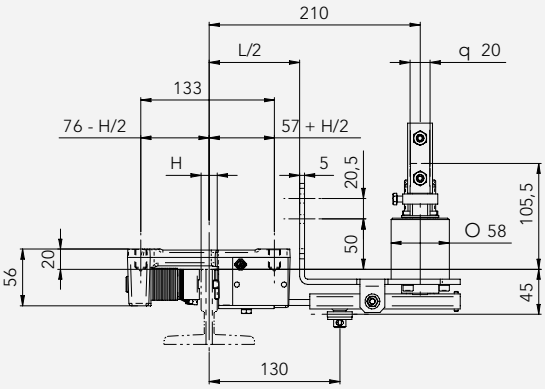
PPR25-40BD

TAB283.11 - 13
TWO-WAY PROGRESSIVE

Suitable for cantilevered frames

TYPE	L	ART	P + Q max kg	SF N	V m/s	V1 m/s	H mm
PPR25BD	90/120	AC00001056	TO 568 - 3002 TS 605 - 2864 LO 716 - 2561 LS 601 - 2919	47124 ÷ 62735 44949 ÷ 62921 40203 ÷ 73173 45821 ÷ 72790	2,29	2,63	8 - 16
PPR40BD	-	AC00001091	TO 3002 - 3997 TS 2865 - 4009 LO 2562 - 4662 LS 2920 - 4638	47124 ÷ 62735 44949 ÷ 62921 40203 ÷ 73173 45821 ÷ 72790			





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OPTIONAL TAB283.10-11-12-13		
Electrical contact for safety gears	PPR25BD	AC00001049
Adapter for sliding shoe, safety gear	PPR25BD Tab. T.283.10 L = 240	AC00001050
	PPR25BD Tab. T.283.10 L = 180	AC00001051
Group of levers for safety gear type	PPR25BD Tab. T.283.10 L=240 Tab. T.283.11 L=120	AC00001052
	PPR25BD Tab. T.283.10 L=180 Tab. T.283.11 L=90	AC00001053
Connecting rod	AC00001099	800 <= DBG <= 1200
	AC00001100	1200 < DBG <= 1600
	AC00001101	1600 < DBG <= 2150
Rope attachment	AV90000486	Ø 6 - 6.5 mm

Calculation check to determine SF braking force required for ascent:
SF = (2 x P + Bil x Q) x dec + Bil x Q x g