



# SCRAP AND RECYCLING

RC RAIL CUTTERS



IN THE END... IT'S ONLY ABOUT THE RIGHT TOOL



# RC RAIL CUTTERS

The mobile DEMAREC Rail Cutter RC-30 is specially developed for the controlled demolition of rail systems and for the scrap preparation of railway lines. All current Vignol rails (flat bottom rails) with a standard quality up to 900 N/mm<sup>2</sup> and a profile size „S7“ to „UIC 60“ can be cut. Vignol rails in special qualities exceeding 900 N/mm<sup>2</sup> or with head hardening are excluded. The wear of the cutters highly depends on the quality of the rails. Cutting rails with an ordinary scrap shear is a risky task because of the flying scrap. With the Demarec Railcutter it is possible to cut safely and efficiently.



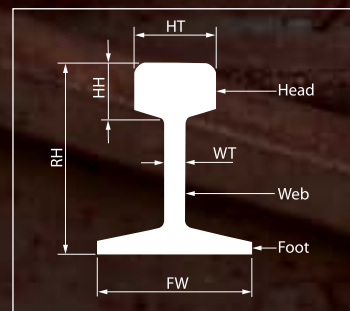
## Key Features and Benefits

- DemaPower-cylinder technique
- DemaSafety-System
- Extremely robust upper and lower jaw (Hituff)
- Overdimensioned pivot point
- Shear body made of high-strength fine grained steel
- Cutting blades are reversible - Tool Steel
- 360° heavy duty rotation (or without rotation)
- Filters in rotation circuit



A: RC-30 rotating version, to mount on dipper or boom with a bolt-on adapter

B: RC-30-S non-rotating version



## Technical specs Rail Cutter with 360° Rotation or rigid mount (without Rotation)

Type	Weight* (kg)	Length (mm)	Jaw opening (mm)	Jaw depth (mm)	Operating weight (t)
RC-30	2650	2234	224	190	20-35
RC-30-S	2300	2040	224	190	20-35

\*excl. adapter

Type	Opening/ Closing		Rotation	
	Pressure max. (bar)	Flow (l/min)	Pressure max. (bar)	Flow (l/min)
RC-30	320	150-250	140	40 - 60
RC-30-S	320	150-250	-	-

## Technical data cutting performance

Train rails according to Din EN 13674-41, Din EN 13674-4, (European standard)  
Working pressure 320 bar / 4641 psi

New name	Old name	RH (mm)	FW (mm)	HT (mm)	HH (mm)	WT (mm)	Mass (kg/m)	Steelgrade / hardness (HB)		
								R200-R260 200-300HB	R320-R350 300-390HB	R370-R400 >390HB
30E1	S30	108	108	60,3	24	12,3	30	✓	✓	X
33E1	S33	134	105	68	31,75	11	33,4	✓	✓	X
39E1	BS 80A	138	125	67	43	12	39,8	✓	✓	X
40E1	S41 R14	138	125	67	31,8	12	41	✓	✓	X
41E1	S41 R10	138	125	67	31,8	12	41,4	✓	✓	X
45E3	RN 45	142	130	66	40,5	15	44,8	✓	✓	X
45E1	BS 90A	142,9	127	67	46	13,9	45,1	✓	✓	X
46E2	U 33	145	134	62	47	15	46,3	✓	✓	X
49E1	S49	149	125	67	51,5	14	49,4	✓	✓	X
49E5	-	149	125	67	51,5	14	49,1	✓	✓	X
50E4	UIC 50	152	125	72,5	49,4	15	50,2	✓	✓	X
50E6	U 50	153	140	65	49	15,5	50,9	✓	✓	X
54E3	S54	154	125	67	55	16	54,6	✓	✓	X
54E4	-	154	125	67	55	16	54,3	✓	✓	X
54E1	UIC 54	159	140	70	49,4	16	54,8	✓	✓	X
54E2	UIC 54E	161	125	67	51,4	16	53,82	✓	✓	X
60E1	UIC 60	172	150	72	51	16,5	60,21	✓	X	X
60E2	-	172	150	72	51	16,5	60,03	✓	X	X

Train rails according to AMREA (American standard)

New name	Old name	RH (mm)	FW (mm)	HT (mm)	HH (mm)	WT (mm)	Mass (kg/m)	200-300HB	300-390HB	>390HB
90ARA-A	TR45	142,9	130,2	65	37,3	14,3	44,65	✓	✓	X
100ARA-B	-	143,3	130,6	67,5	43,3	14,3	49,64	✓	✓	X
100RE	-	152,4	136,5	68,3	42,1	14,3	50,35	✓	✓	X
115RE	TR57	168,3	139,7	69,1	42,9	15,9	56,97	✓	✓	X
119RE	-	173,1	139,7	67,5	47,6	15,9	58,93	✓	✓	X
132RE	-	180,9	152,4	76,2	44,5	16,7	65,58	✓	✓	X
136RE	-	185,7	152,4	74,6	49,2	17,5	67,5	✓	X	X
141RE	-	188,9	152,4	77,8	54,8	17,5	69,88	✓	X	X

Subject to change without notice.



## Key Features and Benefits

- 1 Compact shear body**
- Made of high-strength fine grained steel
  - Fast access to hoses and hydraulics

- 2 Heavy duty rotation**
- 360° continuous rotation
  - Oversized slewing ring
  - Heavy duty motors
  - Filters in rotation circuit

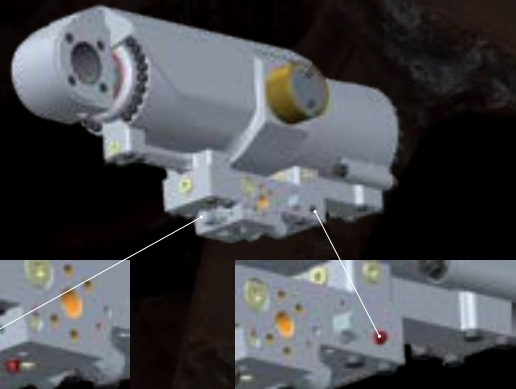
- 3 DemaFilter-System in rotation circuit**



The DemaPower-System gives you excellent speed and power to weight ratio. 20% more power and extremely fast cycle times and this in combination with less fuel consumption



DEMAREC operates as the only manufacturer in the market place with a valve that automatically protects the cylinders against too much pressure at the rod side of the cylinder. This could arise when the return-oil is blocked by, e.g., a closed valve or a broken quick coupler



Safety-valve with reset screw

Bleed-screw

- 6 Heavy duty bearing in pivot point**
- Extremely robust
  - Oversized main pin

- 7 Optimal mouth design**
- More cutting force due kinematic of the moving jaw
  - Cutting blades can be turned
  - Blades can be loosened from the outside

- 8 Shear arm**
- Very robust
  - Solid slim design
  - Out of Hituff

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DemaFilter-System in rotation circuit



# FROM PASSION TO PERFORMANCE



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