

kale



If we start spinning today, we would get tomorrow's knots. That's how we thought while building Kale. We already had our 20th anniversary in 2016 behind us.

Our story that began by producing hose clamps for diverse, light and heavy duty manufacturing industries brought us today to the status of a global business associate generating engineering solutions in the field of connection technologies to the automotive industry.

Kale as a family-owned company combines its fast decision-making competence with the innovative solutions developed by its commercial and technical teams for customer loyalty and satisfaction. Under all the long-term relationships we create with our customers lie a sustainable foundation and a significant cost-benefit correlation focusing on conservation of natural resources.

Being a pioneering innovator, the only conservative feature at Kale is the fastidious concern for details.





Behind every Kale connector lie the intellectual accumulation for over 20 years, meticulous engineering, technological and economic production systems.

Thus Kale provides its customers;

- innovative,
- competitive,
- quality,
- light,
- reliable, and
- environmental friendly products and values.





For Kale,
the term *“quality”* means *“perfect”* instead of
“satisfactory”. This philosophy covers a broad range
including Kale's vendors, raw materials, teams,
production technologies, quality system,
laboratory, environmental conscience and social
responsibility projects.

This philosophy is certified with ISO TS 16949, ISO
9001, ISO 14001 management systems as per the
expectations of the global automotive industry.





Kale manufactures the majority of its moulds and production lines inhouse.

These facilities are key to Kale's innovativeness and competitiveness.





With over 20 years of Intellectual Engineering Knowhow, Kale produces over 75% of its products with automation.

Most of the automation lines are designed and commissioned by Kale engineers.





The philosophy of Kale for the products produced with automated systems:

"The 1st part shall be identical with the 1000th part".

Kale ensures this with the control systems integrated into the automation lines.



"Top grade raw materials for top grade products"

Kale uses top grade steel to ensure and maintain the stability and reliability of the products.

Moreover, all steels are dimensionally *"calibrated"* before they are fed into the production lines.



Kale meets customer orders on-time with its ERP infrastructure and associated Logistics & Warehouse management system.

From its warehouse containing 10.000 separate items; Kale delivers globally from Mexico to China, shipping to 60 different countries all around the world.



Our solutions **kale** 17

Cooling Systems

Approximately 33% of the heat generated due to combustion in the motors is balanced with cooling system. A high level of sealing is needed in the cooling systems, for the motor components to function robustly without any deformation.

Kale products provide top grade assurance with their sealing properties, homogenous clamping force and ergonomics.



Air Intake Systems

Kale products ensuring superior sealing and easy assembly with their unique design, allow to avoid leakages which may occur in the engine air intake systems and to maintain a high vehicle performance.

Due to the dynamic nature of the air temperatures of the turbocharge systems in the new generation engine technologies, Kale engineering team developed integrated spring systems that balances the changes in the dynamic loads and and the hose diameters.





Fuel Systems

Kale ensures sealing in fuel systems by means of stable products manufactured with lean production principles.



Cable and Pipe Systems

Fastening of installations that carry harnesses and fluids is vital for the robust performance of the systems and for servicing purposes.

Kale provides different solutions customized to the needs of the users thanks to its broad range of products.



Emission Systems

Kale products enable an eco-friendly drive as they provide high sealing property even at elevated temperatures of the emission systems, preventing harmful gas emissions.



kale 23

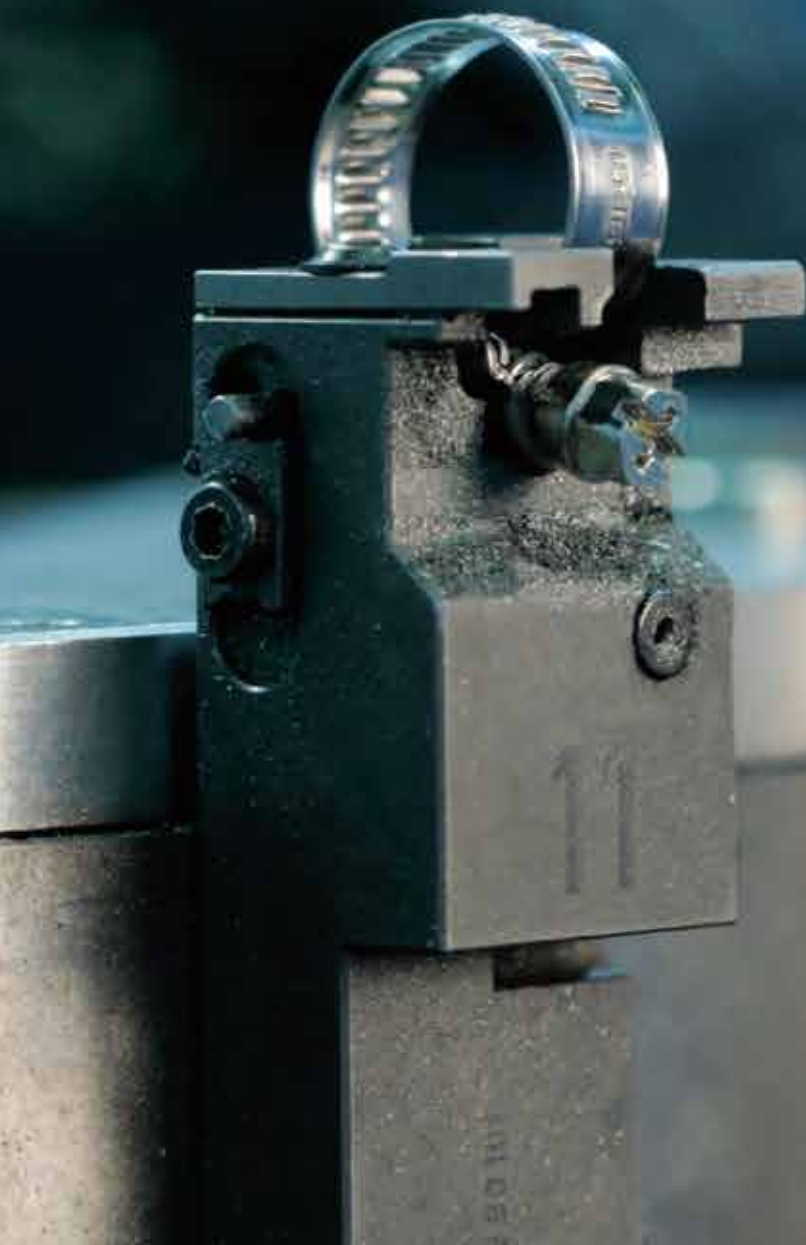
Steering Systems















Fasteners are intensively used in steering systems and any potential fluid leakage jeopardizes safe driving.

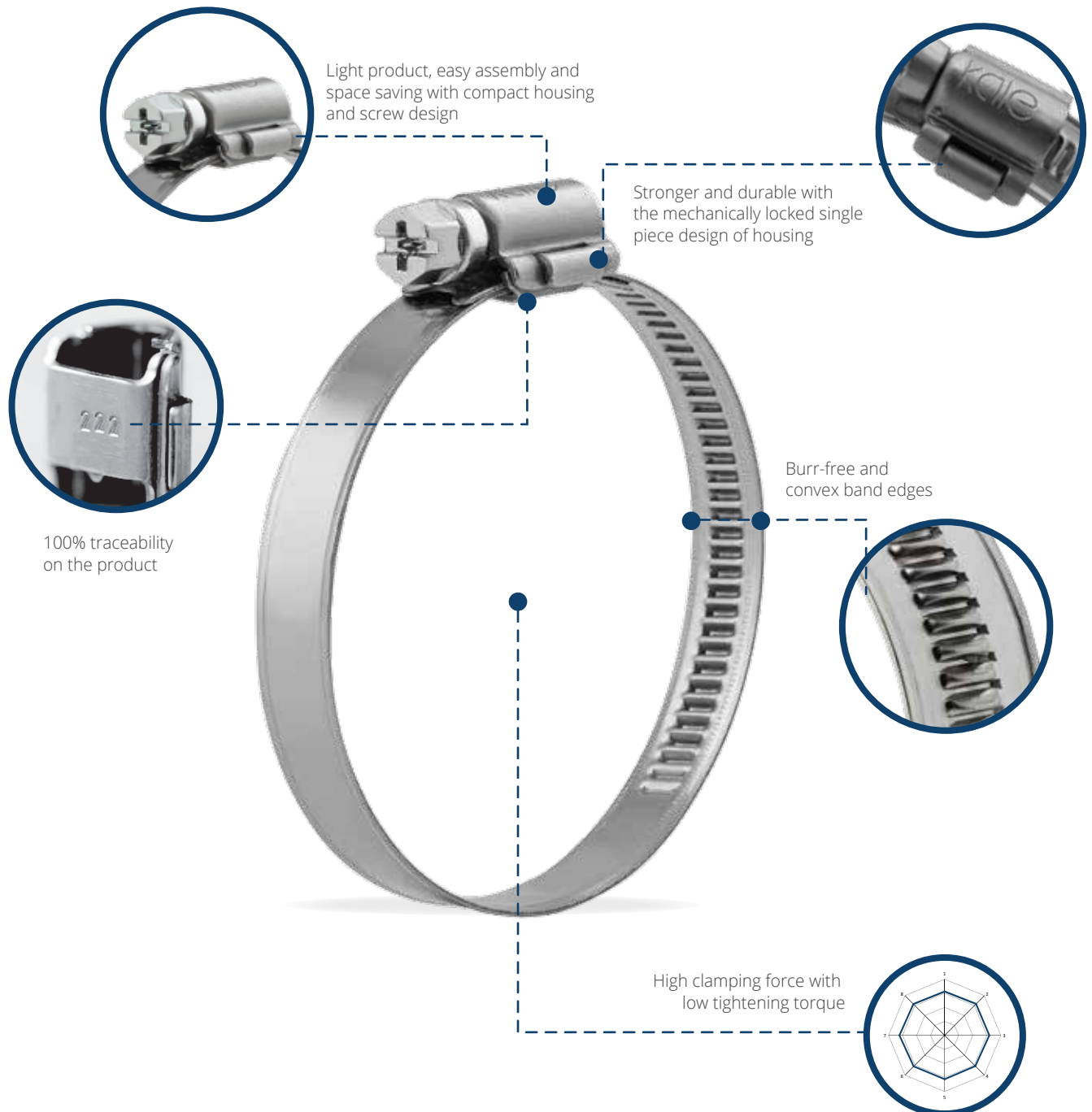
Kale provides creative solutions against such issues with its broad product range, enabling safe driving for all drivers.



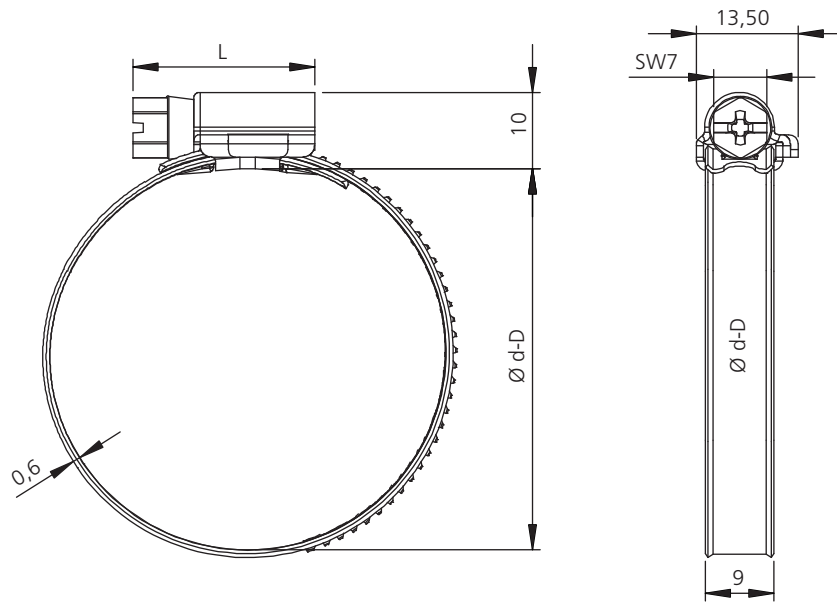
Our Products



Type		Quality	Page
	WD9	W1-W2-W3-W4-W5	26 - 27
	WD9 IS	W3-W4-W5	28-29
	WD9 IS PP	W3-W4-W5	30-31
	WD12	W1-W2-W3-W4-W5	32-33
	WD12 IS	W3-W4-W5	34-35
	WD12 IS PP	W3-W4-W5	36-37
	WD12 C8	W3-W4-W5	38-39
	WD12 C8 IS	W3-W4-W5	40-41
	WD12 C8 IS PP	W3-W4-W5	42-43
	ST	W2	44-45
	HD	W1-W2-W4	46-47
	CC	W1-W3-W4-W5	48-49
	SE	W4	50-51
	SB	W2	52
	V- BAND	W4 - W5	53
	PRESS RING	W4	54



WD9 - Technical Properties



Ø d - D (mm) (min - max)	L (mm)	AD max. (Nm)
8-12	20	2,5
8-16	20	2,5
10-16	20	2,5
12-20	20	2,5
12-22	24	3,0
16-25	24	3,0
16-27	24	3,0
20-32	24	3,0
23-35	24	3,0
25-40	24	3,0
30-45	24	3,0
32-50	24	3,0
40-60	24	3,0
50-70	24	3,0
60-80	24	3,0
70-90	24	3,0
80-100	24	3,0
90-110	24	3,0
100-120	24	3,0
110-130	24	3,0
120-140	24	3,0
130-150	24	3,0
140-160	24	3,0
....

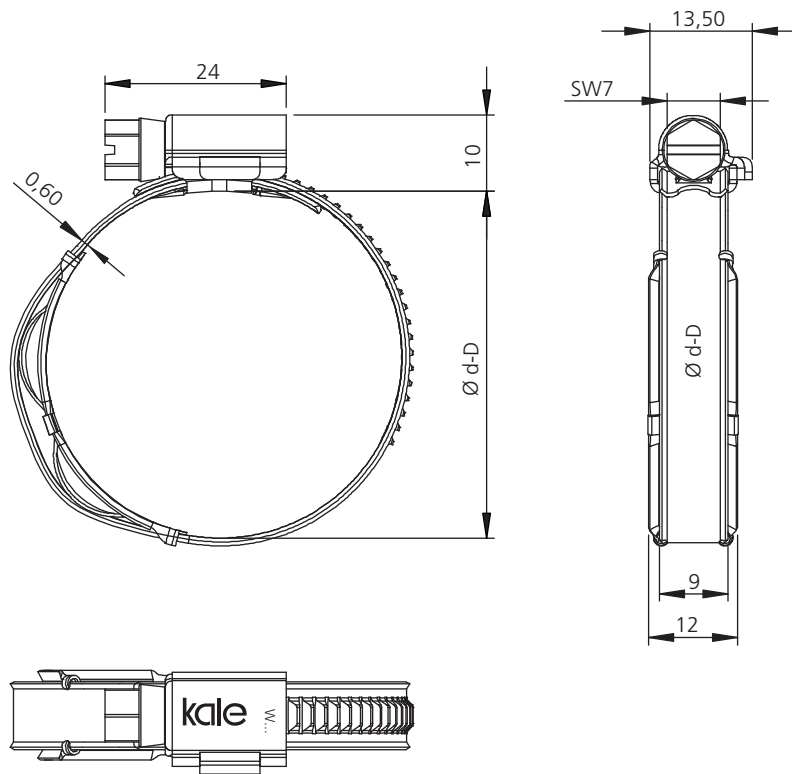
	W1	W2	W3	W4	W5
Screw	** Mild steel	** Mild steel	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	** Mild steel	1.4016 DIN EN-10088-2 or equivalent	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	*** Mild steel	1.4016 DIN EN-10088-2 or equivalent	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Corrosion Resistance (min.Hour) ISO 9227	72	72	200*	240	400
Screw Head					

* : %10 red rust allowed on the total surface of W3 products, after salt spray test.
 ** : Zinc Plated
 *** : Zinc-Aluminium Plated

AD: Recommended tightening torque
 Recommended tightening speed 300 - 350 rpm



WD9 IS - Technical Properties



29

	W3	W4	W5
Screw	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Spring	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent
Corrosion Resistance (min. Hour) ISO 9227	200*	240	400
Screw Head			

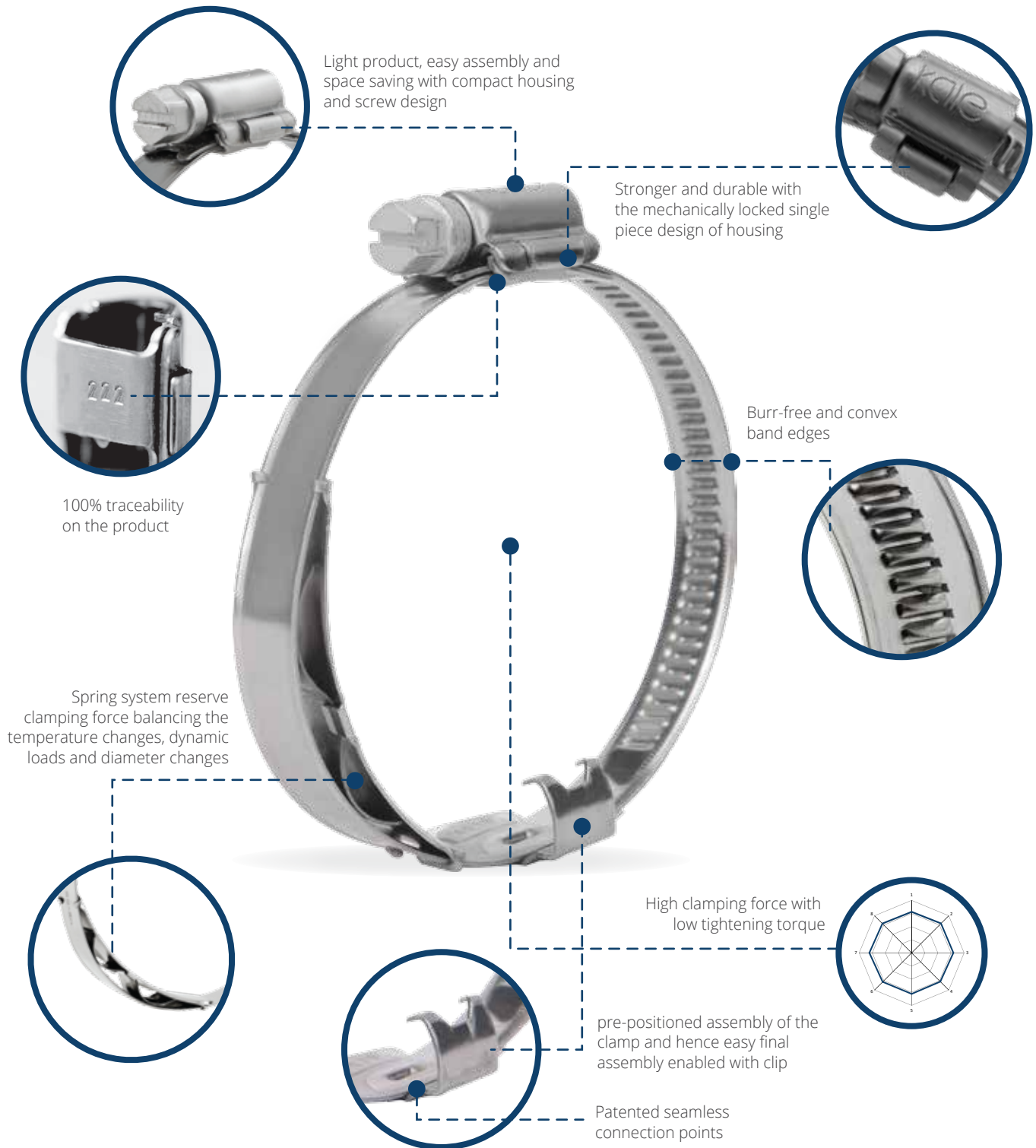
* : %10 red rust allowed on the total surface of W3 products, after salt spray test

Ø d - D (mm) (min - max)	AD max. (Nm)
35-55	3,0
40-60	3,0
45-65	3,0
50-70	3,0
55-75	3,0
60-80	3,0
65-85	3,0
70-90	3,0
75-95	3,0
80-100	3,0
90-110	3,0
100-120	3,0
110-130	3,0
120-140	3,0
130-150	3,0
140-160	3,0

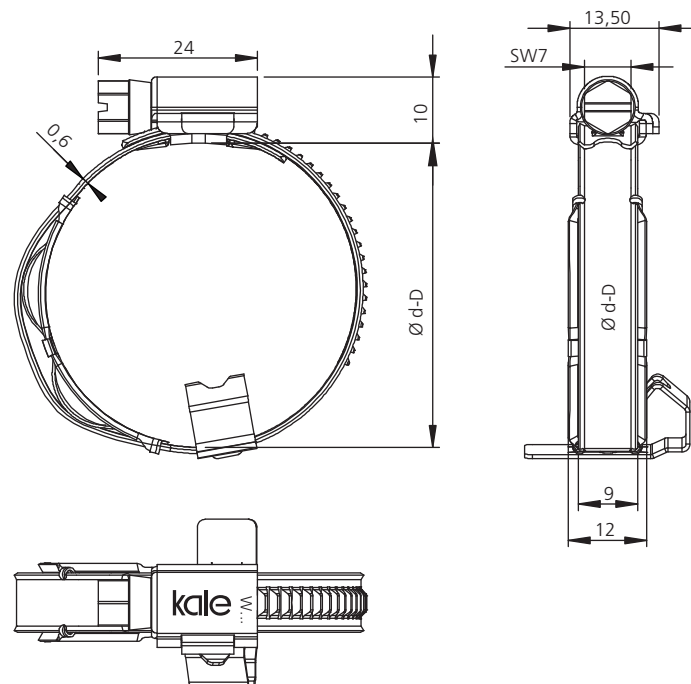
AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



WD9 IS PP - Worm Drive Clamps with Spring Insert with Prepositioning Clip



WD9 IS PP - Technical Properties



31

	W3	W4	W5
Screw	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Spring	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent
Clip	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Corrosion Resistance (min.Hour) ISO 9227	200*	240	400
Screw Head			

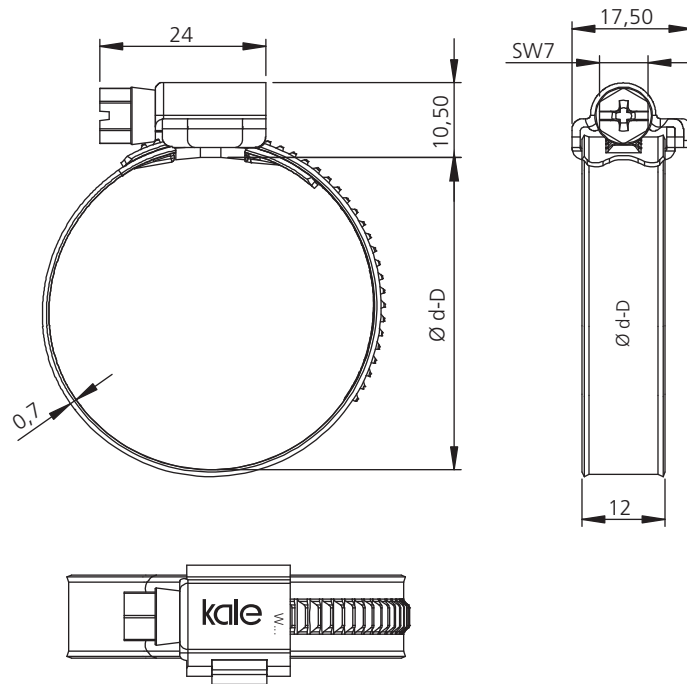
* : %10 red rust allowed on the total surface of W3 products, after salt spray test

Ø d - D (mm) (min - max)	AD max. (Nm)
35-55	3,0
40-60	3,0
45-65	3,0
50-70	3,0
55-75	3,0
60-80	3,0
65-85	3,0
70-90	3,0
75-95	3,0
80-100	3,0
90-110	3,0
100-120	3,0
110-130	3,0
120-140	3,0
130-150	3,0
140-160	3,0

AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



WD12 - Technical Properties



33

	W1	W2	W3	W4	W5
Screw	** Mild Steel	** Mild Steel	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	** Mild Steel	1.4016 DIN EN-10088-2 or equivalent	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	*** Mild Steel	1.4016 DIN EN-10088-2 or equivalent	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Corrosion Resistance (min.Hour) ISO 9227	72	72	200*	240	400
Screw Head					

* : %10 red rust allowed on the total surface of W3 products, after salt spray test

** : Zinc Plated

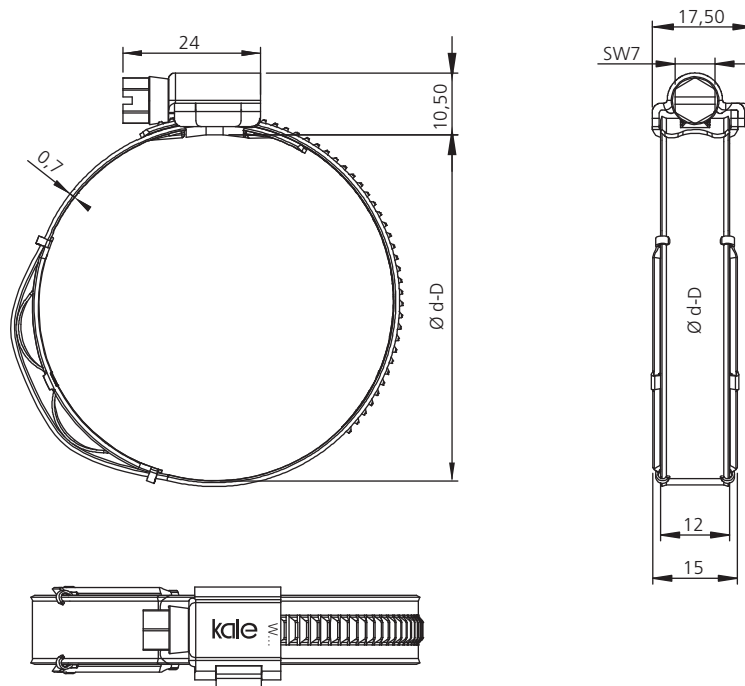
*** : Zinc - Aluminium Plated

Ø d - D (mm) (min - max)	AD max. (Nm)
16-25	5,0
16-27	5,0
20-32	5,0
23-35	5,0
25-40	5,0
30-45	5,0
32-50	5,0
40-60	5,0
50-70	5,0
60-80	5,0
70-90	5,0
75-95	5,0
80-100	5,0
90-110	5,0
100-120	5,0
110-130	5,0
120-140	5,0
130-150	5,0
140-160	5,0
....
380-400	5,0

AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



WD12 IS - Technical Properties



35

	W3	W4	W5
Screw	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Spring	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent
Corrosion Resistance (min.Hour) ISO 9227	200*	240	400
Screw Head			

* : %10 red rust allowed on the total surface of W3 products, after salt spray test

Ø d - D (mm) (min - max)	AD max. (Nm)
16-25	5,0
16-27	5,0
20-32	5,0
23-35	5,0
25-40	5,0
30-45	5,0
35-55	5,0
40-60	5,0
45-65	5,0
50-70	5,0
55-75	5,0
60-80	5,0
65-85	5,0

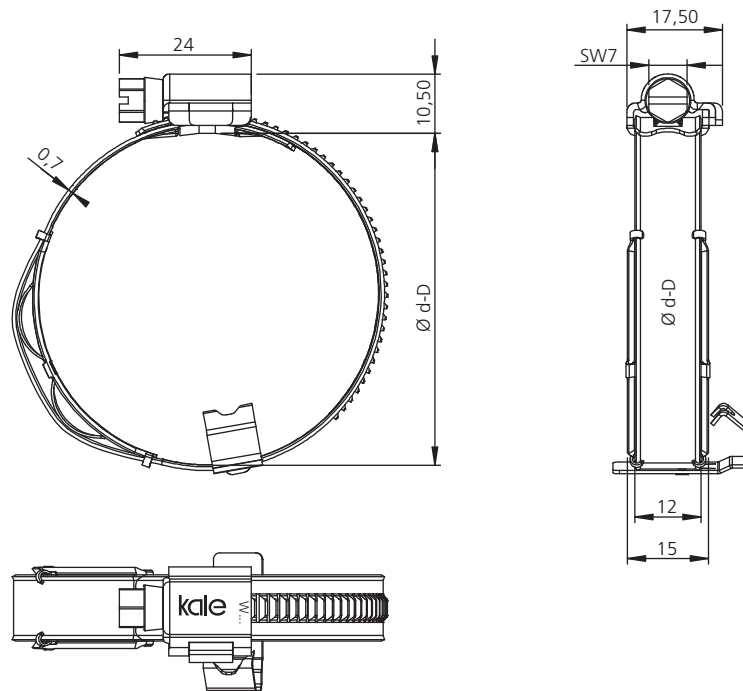
AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



WD12 IS PP - Worm Drive Clamps with Spring Insert with Prepositioning Clip



WD12 IS PP - Technical Properties



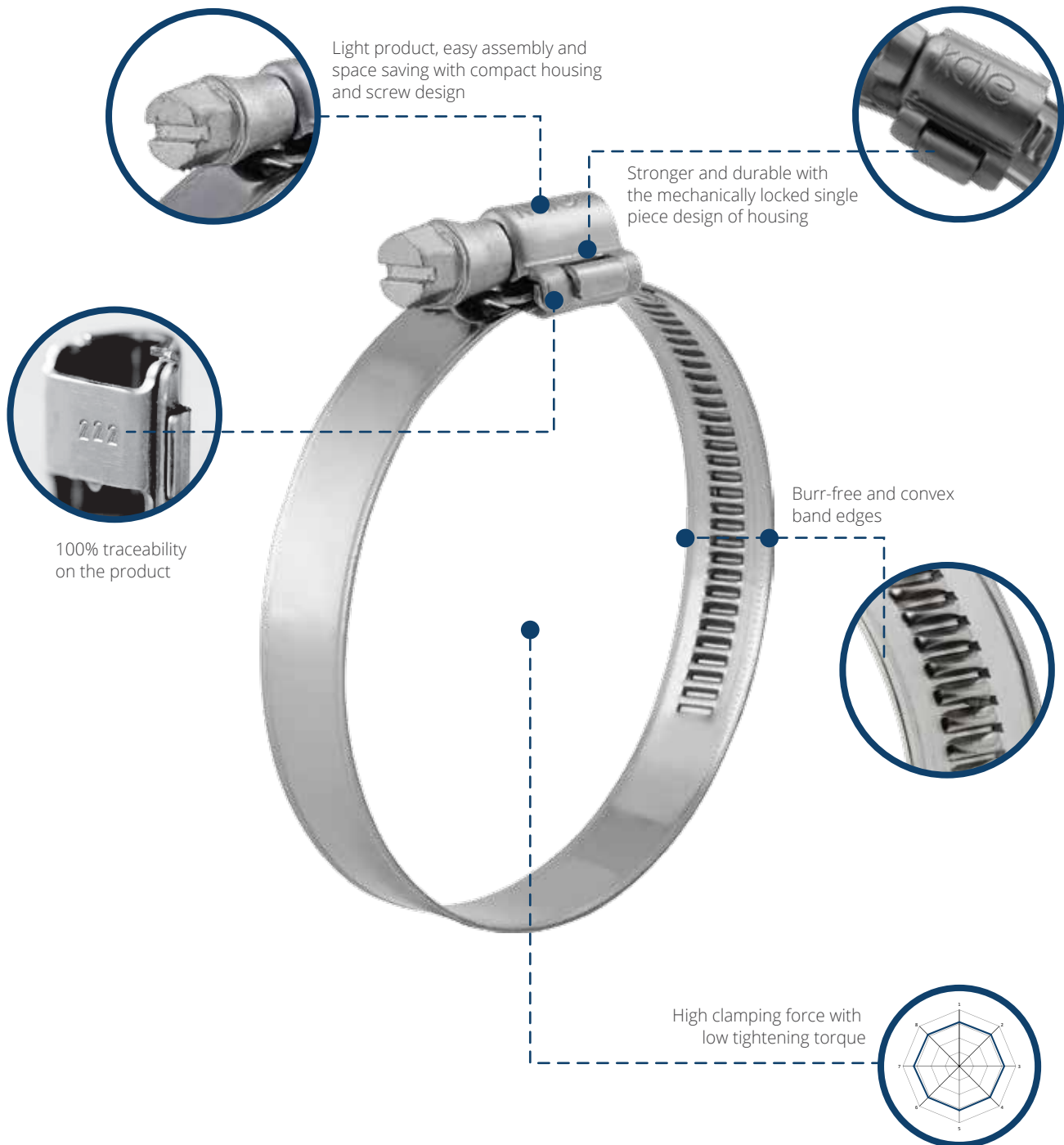
37

	W3	W4	W5
Screw	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Spring	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent
Clip	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Corrosion Resistance <small>(min.Hour) ISO 9227</small>	200*	240	400
Screw Head			

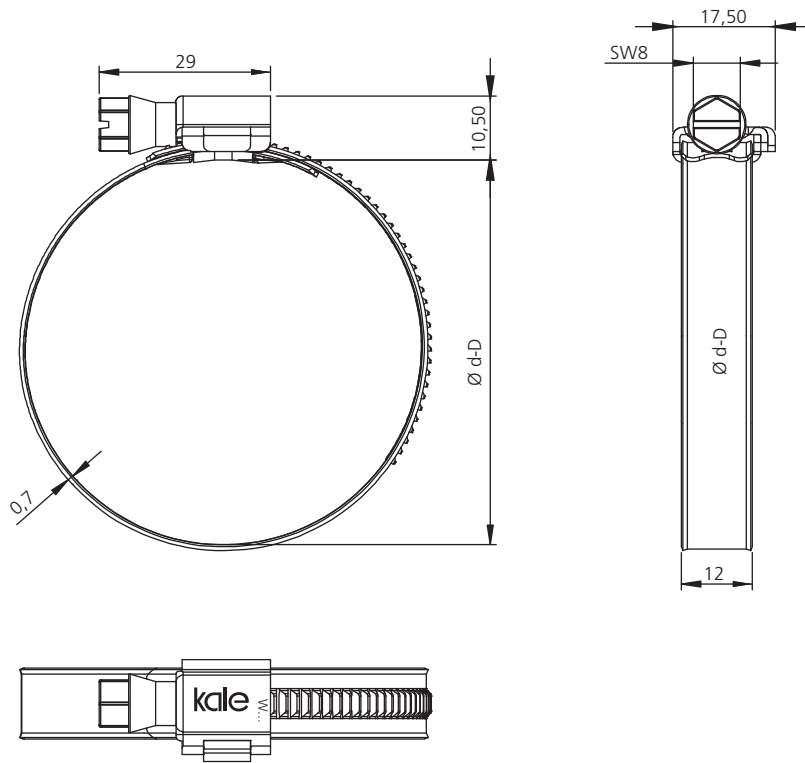
* : %10 red rust allowed on the total surface of W3 products, after salt spray test

Ø d - D (mm) (min - max)	AD max. (Nm)
30-45	5,0
32-50	5,0
35-55	5,0
40-60	5,0
45-65	5,0
50-70	5,0
55-75	5,0
60-80	5,0
65-85	5,0

AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



WD12 C8 - Technical Properties



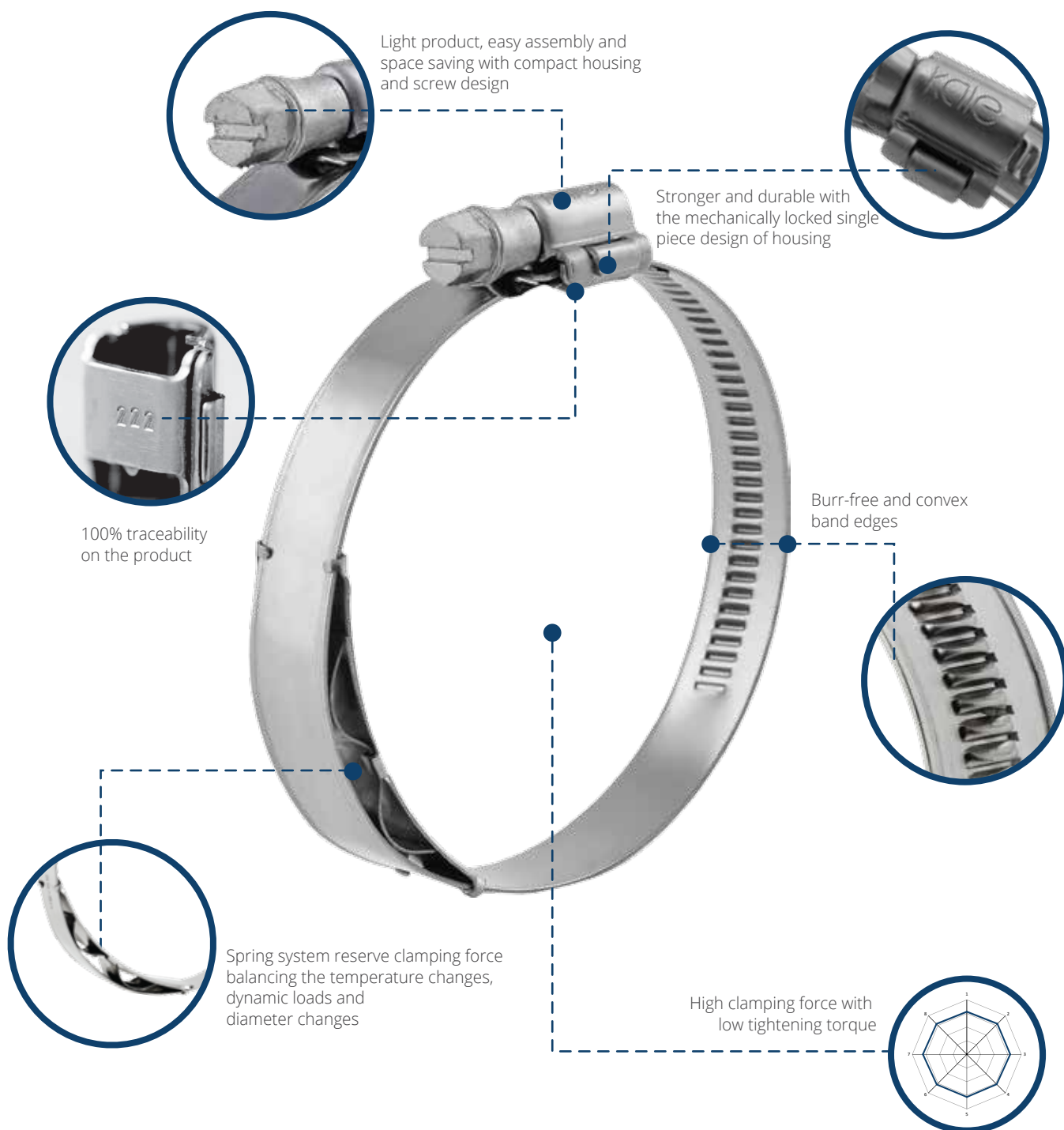
39

	W3	W4	W5
Screw	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Corrosion Resistance (min.Hour) ISO 9227	200*	240	400
Screw Head			

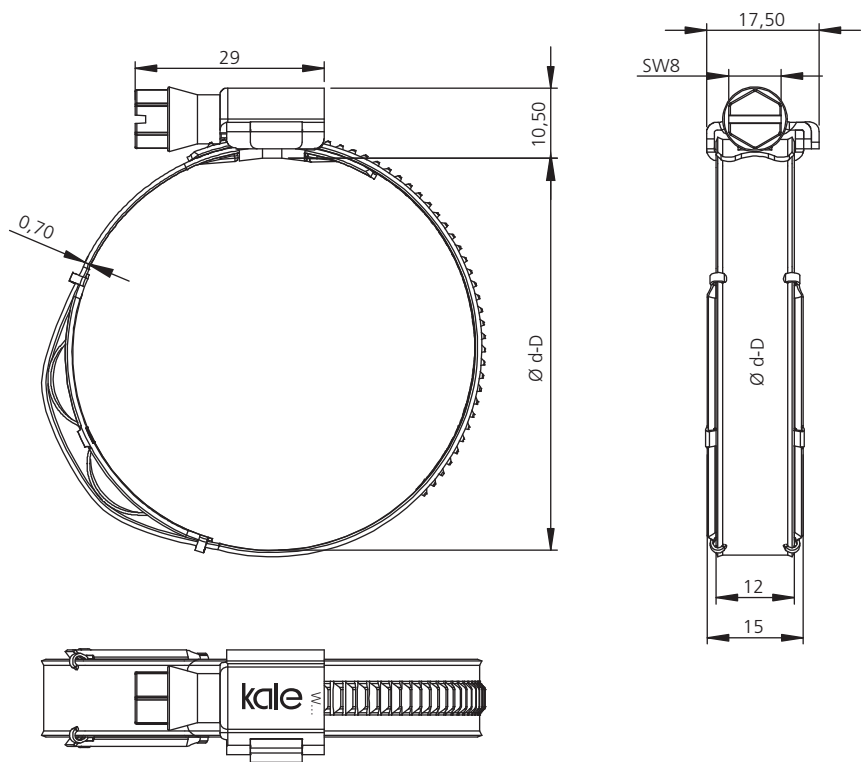
* : %10 red rust allowed on the total surface of W3 products, after salt spray test

Ø d - D (mm) (min - max)	AD max. (Nm)
16-25	5,0
16-27	5,0
20-32	5,0
23-35	5,0
25-40	5,0
30-45	5,0
32-50	5,0
40-60	5,0
50-70	5,0
60-80	5,0
70-90	5,0
80-100	5,0
90-110	5,0
100-120	5,0
110-130	5,0
120-140	5,0
130-150	5,0
140-160	5,0
....
380-400	5,0

AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



WD12 C8 IS - Technical Properties

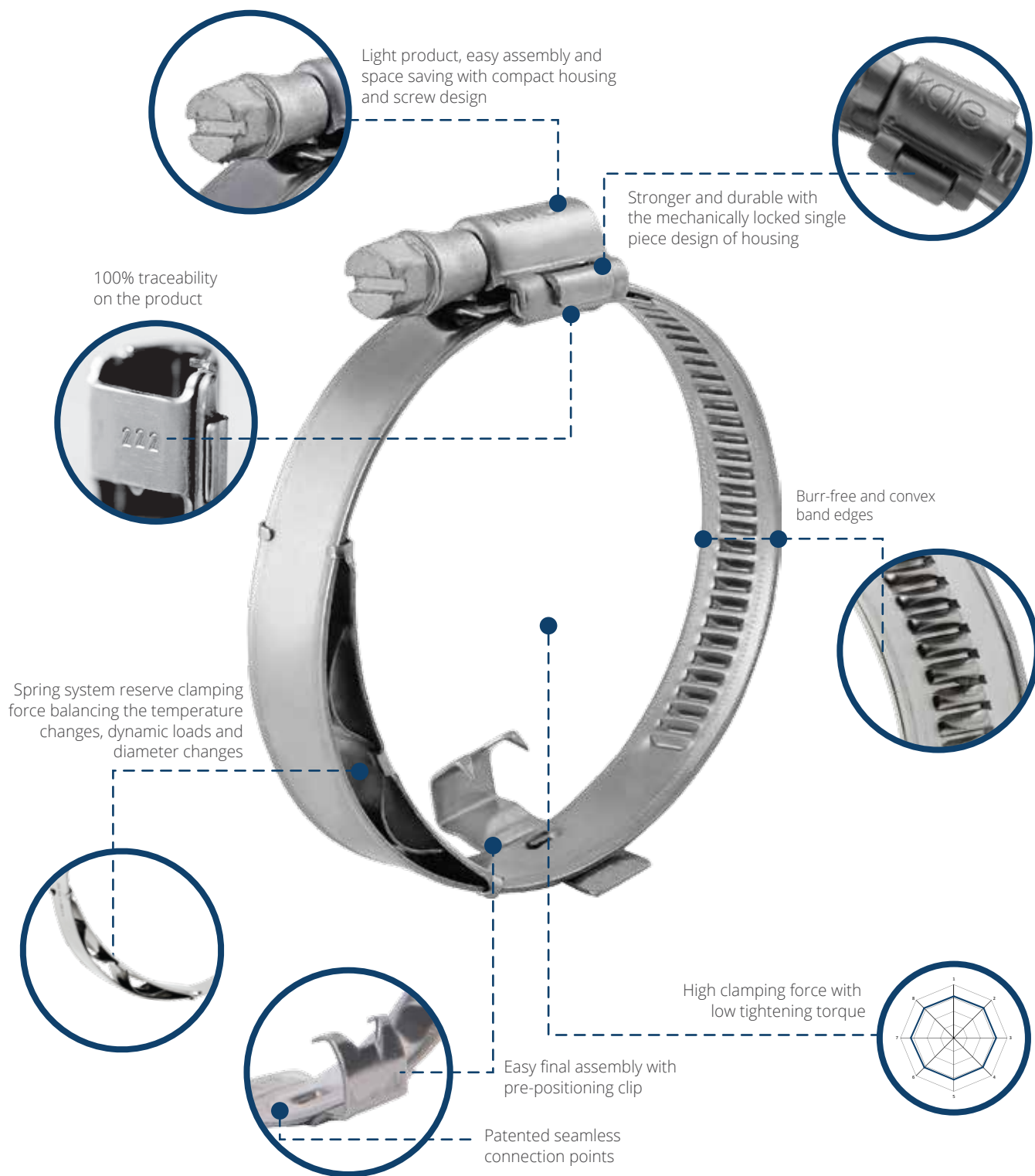


	W3	W4	W5
Screw	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Spring	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent
Corrosion Resistance (min.Hour) ISO 9227	200*	240	400
Screw Head			

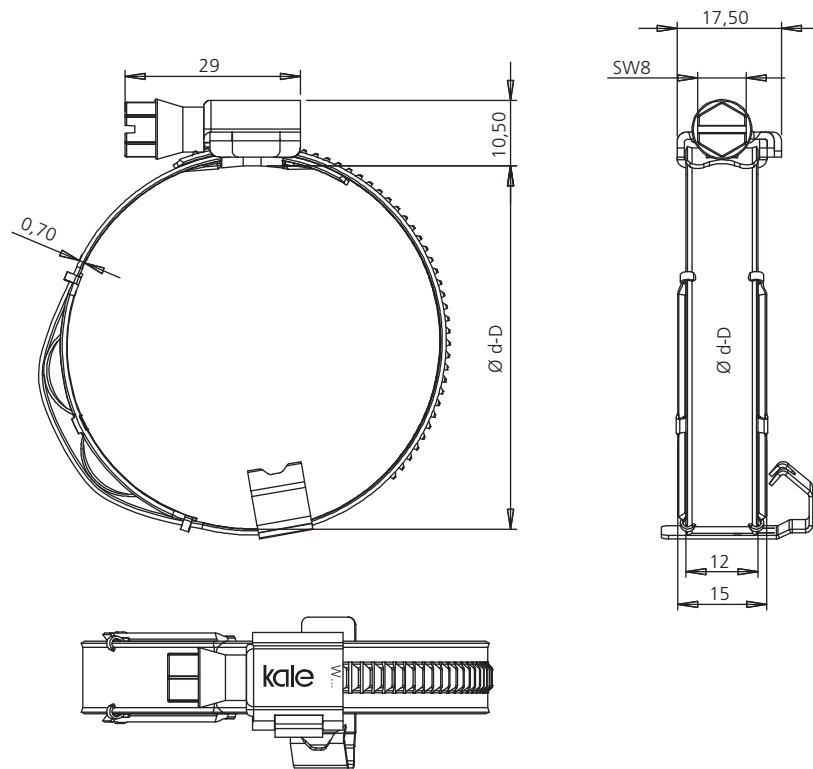
* : %10 red rust allowed on the total surface of W3 products, after salt spray test

Ø d - D (mm) (min - max)	AD max. (Nm)
16-25	5,0
16-27	5,0
20-32	5,0
23-35	5,0
25-40	5,0
30-45	5,0
35-55	5,0
40-60	5,0
45-65	5,0
50-70	5,0
55-75	5,0
60-80	5,0
65-85	5,0

AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



WD12 C8 IS PP - Technical properties



43

	W3	W4	W5
Screw	1.4016 DIN EN-10088-3 or equivalent	1.4567 DIN EN-10088-3 or equivalent	1.4578 DIN EN-10088-3 or equivalent
Housing	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Band	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Spring	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent	1.4310 DIN EN-10088-2 or equivalent
Clip	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Corrosion Resistance (min.Hour) ISO 9227	200*	240	400
Screw Head			

* : %10 red rust allowed on the total surface of W3 products, after salt spray test

Ø d - D (mm) (min - max)	AD max. (Nm)
30-45	5,0
35-55	5,0
32-50	5,0
40-60	5,0
45-65	5,0
50-70	5,0
55-75	5,0
60-80	5,0
65-85	5,0

AD: Recommended tightening torque
Recommended tightening speed 300 - 350 rpm



Easy mountability with Hexagon screw cap and forward positioning

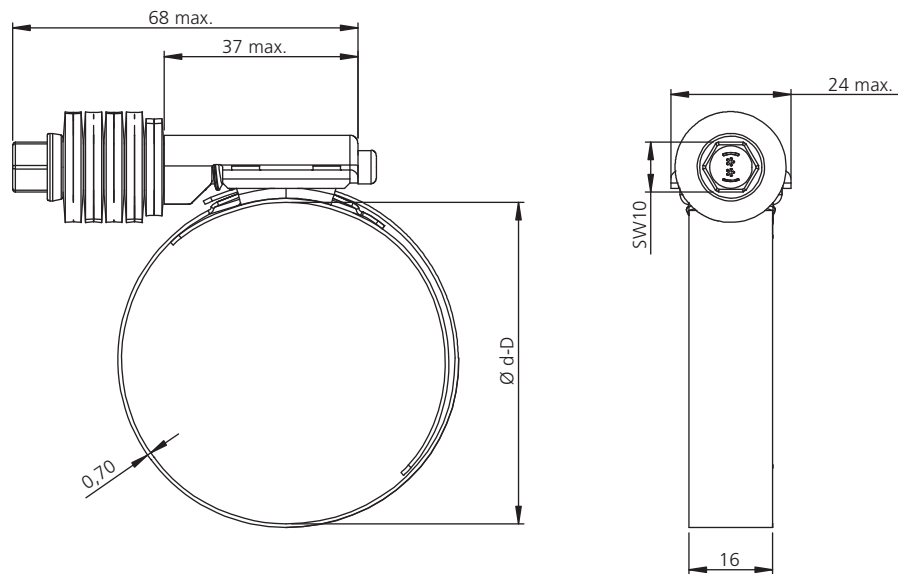


Stable clamping force with spring washers



Additional band on the inner surface for 100% hose safety





	W2
Screw	carbon steel *
Housing	1.4301 DIN EN-10088-2 or equivalent
Band	1.4301 DIN EN-10088-2 or equivalent
Belleville Springs	1.4310 DIN EN-10088-2 or equivalent
Saddle	1.4301 DIN EN-10088-2 or equivalent

* : Zinc coated

Ø d - D (mm) (min - max)	AD max. (Nm)
25-45	8,5
32-54	8,5
45-67	8,5
57-79	8,5
70-92	8,5
83-105	8,5
95-117	8,5
108-130	8,5
121-143	8,5
133-155	8,5
146-168	8,5
159-181	8,5
172-193	8,5
184-206	8,5
197-219	8,5
210-232	8,5

AD: Recommended tightening torque



Easy mountability at application areas with simple design



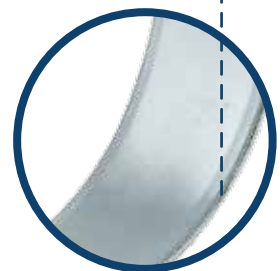
Uniform clamping force throughout 360 degrees



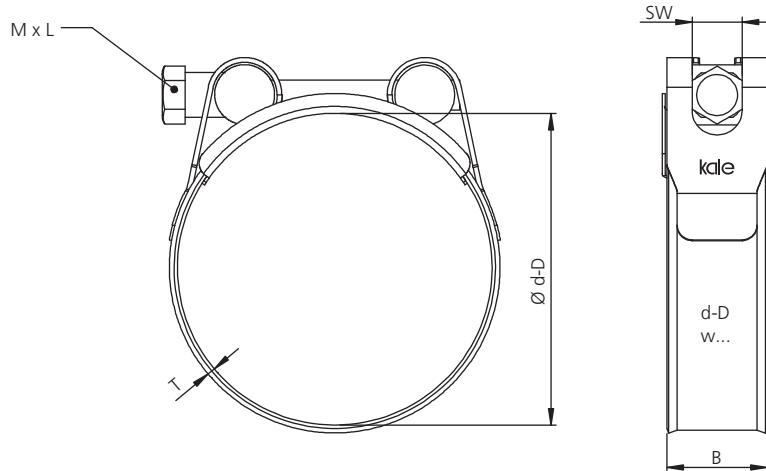
Three-point welded durable design



Burr-free and convex band edges

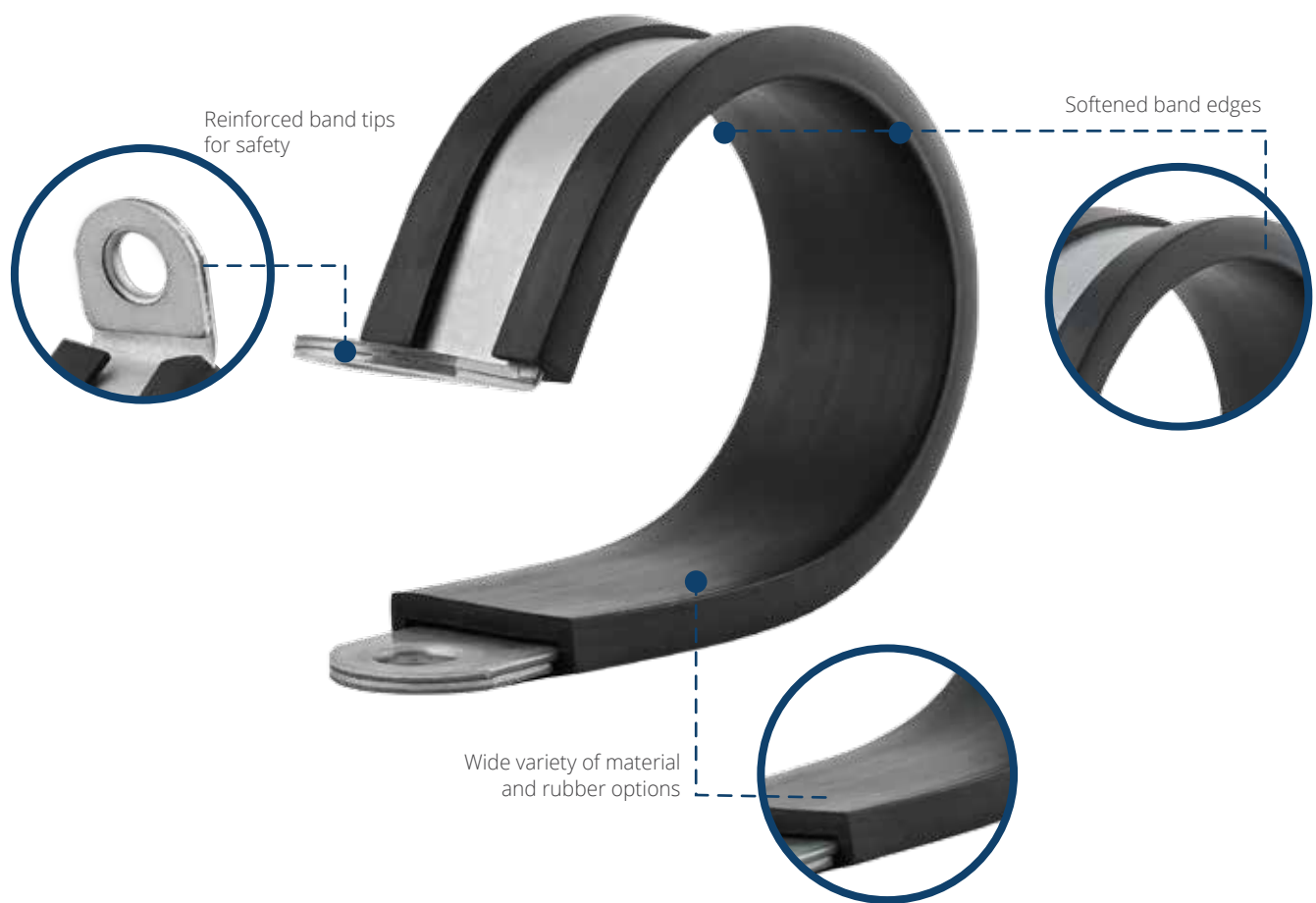


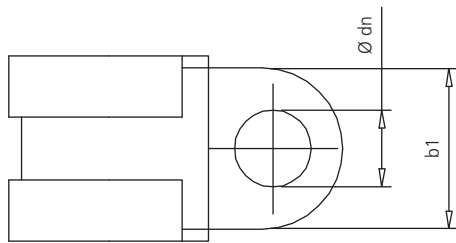
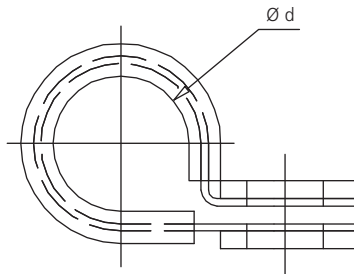
HD - Technical Properties



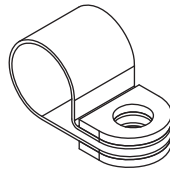
Ø d - D (mm) (min - max)	D (mm)	M x L (mm)	B (mm)	T (mm)		SW (mm)	AD (Nm)
				W1	W2-W4		
17-19	19	M5 x 35	18	0,6	0,6	8	8
20-22	22	M5 x 35	18	0,6	0,6	8	8
23-25	25	M5 x 35	18	0,6	0,6	8	8
26-28	28	M5 x 35	18	0,6	0,6	8	8
29-31	31	M5 x 35	18	0,6	0,6	8	8
32-35	35	M6 x 50	20	1,0	1,0	10	10
36-39	39	M6 x 50	20	1,0	1,0	10	10
40-43	43	M6 x 50	20	1,0	1,0	10	10
44-47	47	M6 x 50	20	1,0	1,0	10	10
48-51	51	M6 x 50	20	1,0	1,0	10	10
52-55	55	M6 x 50	20	1,0	1,0	10	10
56-59	59	M6 x 55	20	1,0	1,0	10	10
60-63	63	M6 x 55	20	1,0	1,0	10	10
64-67	67	M6 x 55	20	1,0	1,0	10	10
68-73	73	M8 x 70	25	1,5	1,2	13	20
74-79	79	M8 x 70	25	1,5	1,2	13	20
80-85	85	M8 x 70	25	1,5	1,2	13	20
86-91	91	M8 x 70	25	1,5	1,2	13	20
92-97	97	M8 x 70	25	1,5	1,2	13	20
98-103	103	M8 x 70	25	1,5	1,2	13	20
104-112	112	M8 x 80	25	1,5	1,2	13	20
113-121	121	M8 x 80	25	1,5	1,2	13	20
122-130	130	M8 x 80	25	1,5	1,2	13	20
131-139	139	M8 x 80	25	1,5	1,2	13	20
140-148	148	M8 x 80	25	1,5	1,2	13	20
149-161	161	M8 x 80	25	1,8	1,5	13	20
162-174	174	M8 x 90	25	1,8	1,5	13	20
175-187	187	M8 x 90	25	1,8	1,5	13	20
188-200	200	M8 x 90	25	1,8	1,5	13	20
201-213	213	M8 x 90	25	1,8	1,5	13	20
214-226	226	M8 x 90	25	1,8	1,5	13	20
227-239	239	M8 x 90	25	1,8	1,5	13	20
240-252	252	M8 x 90	25	1,8	1,5	13	20

	W1	W2	W4
Band	Mild Steel	1.4301 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent
Saddle	Mild Steel	1.4301 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent
Bolt	8.8 Mild Steel	8.8 Mild Steel	1.4301 DIN EN-10088-3 or equivalent
Tube	-	-	1.4401 DIN EN-10088-2 or equivalent
Bushing	Mild Steel	Mild Steel	1.4301 DIN EN-10088-2 or equivalent
Bolt nut	Mild Steel	Mild Steel	1.4301 DIN EN-10088-2 or equivalent

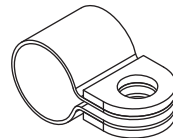




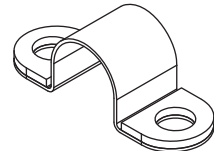
Tip A1



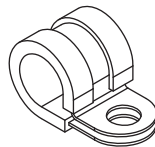
Tip B1



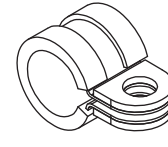
Tip C1



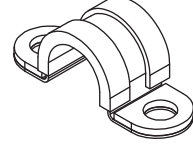
Tip D1



Tip E1



Tip F1



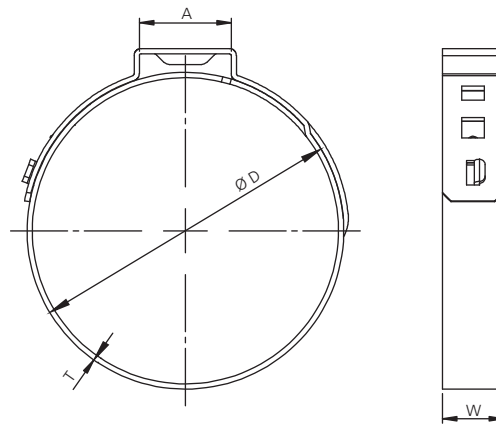
Rubber Type	CR	EPDM
Color	Black	Black
Temperature (C°)	- 35 - +100	- 40 - +120
Ozone Resistance	Very good	Very good
Light Resistance	Very good	Very good
Fuel Resistance	Sufficient	Insufficient
Oil Resistance	Good	Insufficient
Alcohol Resistance	Good	Good
Acid Resistance	Good	Good
Base Resistance	Good	Good

Ø D (mm)	b1= 12,0 mm dn= 5,3 mm	b1= 15,0 mm dn= 6,4 mm	b1= 20,0 mm dn= 8,4 mm	b1= 25,0 mm dn= 10,5 mm
4,0	-	-	-	-
5,0	●	●	-	-
6,0	●	●	-	-
7,0	●	●	-	-
8,0	●	●	-	-
9,0	●	●	-	-
10,0	●	●	●	-
11,0	●	●	●	-
12,0	●	●	●	-
13,0	●	●	●	-
14,0	●	●	●	-
15,0	●	●	●	●
16,0	●	●	●	●
17,0	●	●	●	●
18,0	●	●	●	●
19,0	●	●	●	●
20,0	●	●	●	●
.....
50,0	●	●	●	●

	W1	W3	W4	W5
Band	Mild Steel	1.4016 DIN EN-10088-2 or equivalent	1.4301 DIN EN-10088-2 or equivalent	1.4401 DIN EN-10088-2 or equivalent
Corrosion Resistance (min. Hour) ISO 9227	72	200*	240	400

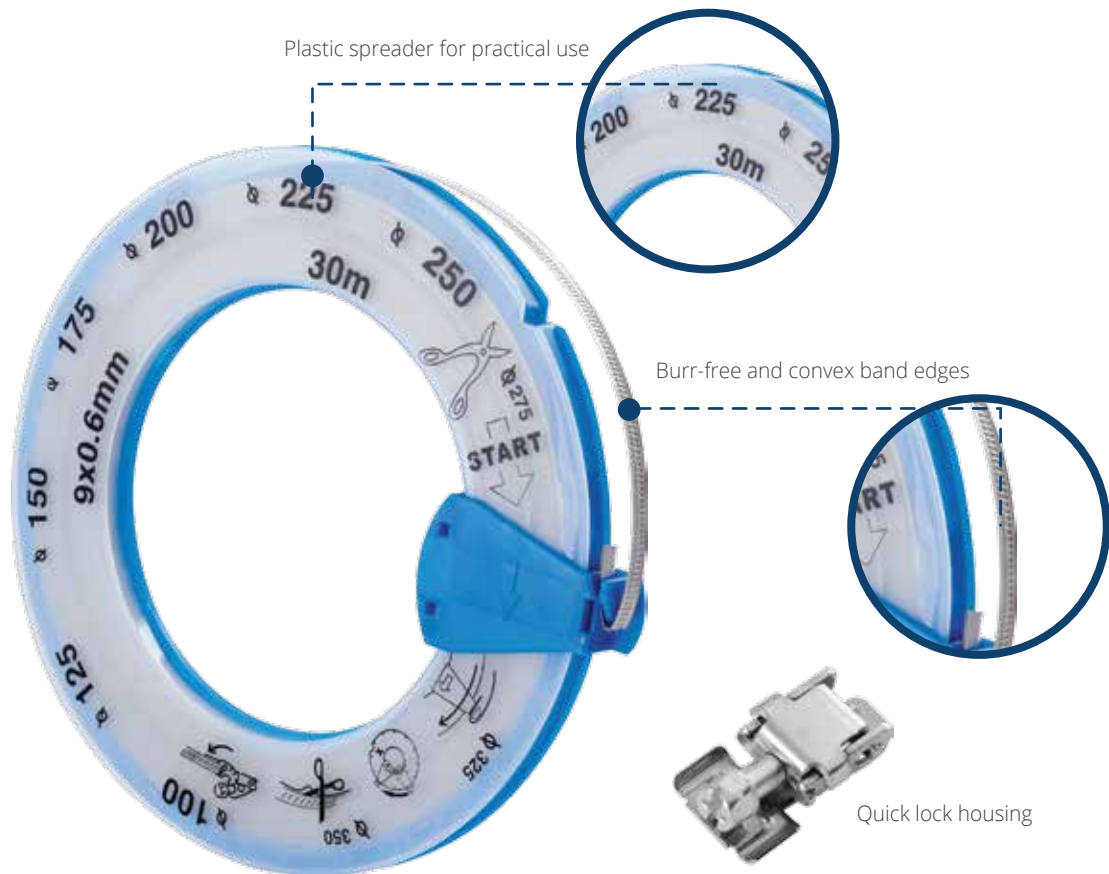
* : %10 red rust allowed on the total surface of W3 products, after salt spray test





Description	Ø d - D(mm)	D(mm)	A(mm)	W(mm)	T(mm)
SE5 6,8 - 8,0 W4	6,8 - 8,0	8,0	6,0	5,0	0,5
SE5 7,0 - 8,7 W4	7,0 - 8,7	8,7	6,0	5,0	0,5
SE5 7,8 - 9,5 W4	7,8 - 9,5	9,5	6,0	5,0	0,5
SE5 8,8 - 10,5 W4	8,8 - 10,5	10,5	6,0	5,0	0,5
SE5 9,6 - 11,3 W4	9,6 - 11,3	11,3	6,0	5,0	0,5
SE5 10,1 - 11,8 W4	10,1 - 11,8	11,8	6,0	5,0	0,5
SE7 9,4 - 11,9 W4	9,4 - 11,9	11,9	8,5	7,0	0,6
SE7 9,8 - 12,3 W4	9,8 - 12,3	12,3	8,5	7,0	0,6
SE7 10,3 - 12,8 W4	10,3 - 12,8	12,8	8,5	7,0	0,6
SE7 10,8 - 13,3 W4	10,8 - 13,3	13,3	8,5	7,0	0,6
SE7 11,3 - 13,8 W4	11,3 - 13,8	13,8	8,5	7,0	0,6
SE7 11,5 - 14,0 W4	11,5 - 14,0	14,0	8,5	7,0	0,6
SE7 12,0 - 14,5 W4	12,0 - 14,5	14,5	8,5	7,0	0,6
SE7 12,8 - 15,3 W4	12,8 - 15,3	15,3	8,5	7,0	0,6
SE7 13,2 - 15,7 W4	13,2 - 15,7	15,7	8,5	7,0	0,6
SE7 13,7 - 16,2 W4	13,7 - 16,2	16,2	8,5	7,0	0,6
SE7 14,1 - 16,6 W4	14,1 - 16,6	16,6	8,5	7,0	0,6
SE7 14,3 - 16,8 W4	14,3 - 16,8	16,8	8,5	7,0	0,6
SE7 14,5 - 17,0 W4	14,5 - 17,0	17,0	8,5	7,0	0,6
SE7 15,0 - 17,5 W4	15,0 - 17,5	17,5	8,5	7,0	0,6
SE7 14,6 - 17,8 W4	14,6 - 17,8	17,8	10,5	7,0	0,6
SE7 15,3 - 18,5 W4	15,3 - 18,5	18,5	10,5	7,0	0,6
SE7 16,0 - 19,2 W4	16,0 - 19,2	19,2	10,5	7,0	0,6
SE7 16,6 - 19,8 W4	16,6 - 19,8	19,8	10,5	7,0	0,6
SE7 17,8 - 21,0 W4	17,8 - 21,0	21,0	10,5	7,0	0,6
SE7 19,4 - 22,6 W4	19,4 - 22,6	22,6	10,5	7,0	0,6
SE7 20,3 - 23,5 W4	20,3 - 23,5	23,5	10,5	7,0	0,6
SE7 20,9 - 24,1 W4	20,9 - 24,1	24,1	10,5	7,0	0,6
SE7 22,4 - 25,6 W4	22,4 - 25,6	25,6	10,5	7,0	0,6
SE7 23,9 - 27,1 W4	23,9 - 27,1	27,1	10,5	7,0	0,6
SE7 26,9 - 30,1 W4	26,9 - 30,1	30,1	10,5	7,0	0,6
SE7 31,4 - 34,6 W4	31,4 - 34,6	34,6	10,5	7,0	0,6
.....
SE7 67,8 - 71,0 W4	67,8 - 71,0	71,0	10,5	7,0	0,6

	W4
Band	AISI 304 Stainless Steel



Band Width	Band Thickness	Band Length	Material	Screw and Housing	Packaging
9 mm	0,6 mm	30m / rub	AISI 430 Stainless Steel	Galvanized Steel	50 units/ box







Material	Size Range
1.4307 EN 10296-2 or equivalent	Ø 15,0 - Ø 50,0 mm

The ring width can be customized.





kale

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