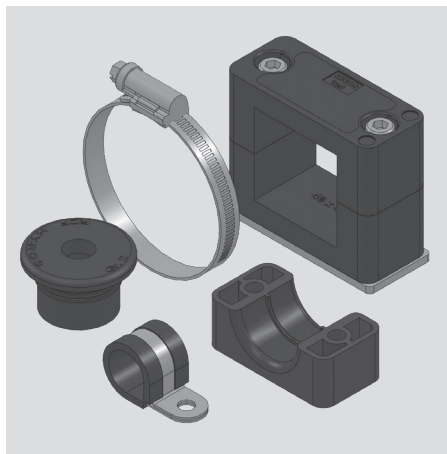


Other solutions



Sensor clamp

The sensor clamp is used to mount sensors or proximity switches with a square design.

Because they are mounted on C mounting rails, the sensors or proximity switches can slide in a 2-dimensional direction.

For cylindrical housing, clamp bodies from the light range with a smooth internal surface (DIN 3015) with a corresponding diameter can be used.

Corrugated tube clamp

A solution for the secure mounting of plastic corrugated tubes has been available in HYDAC Accessories' extensive range of modular mounting technology since 2008.

Based on the standard clamps DIN 3015 Part 1 and Part 3, they have a circumferential rib inside the clamp jaw that prevents axial displacement of the protective tubes inside the clamp.

Rubber tank bush

The rubber tank bush that is a rubber part is used as vibration isolation (with simultaneous splash-proof and dust-proof sealing) of pipes at pipe feedthrough points, e.g. on containers for hydraulic systems, driver's cabs for tug boats and panelling in machine engineering.

The rubber tank bush is available in five sizes, for pipe diameters from 6 to 60.5 mm.

The standard material is TPE and NBR.

The special design of the rubber part provides a defined press connection between pipe, rubber part and housing wall.

Fastening clamps DIN 3016-1

The fastening clamps with tongues are used to hold pipes and flexible lines, cables and devices, for example.

They are made up of an adjustable steel band with a form-locking connection and reinforced band ends. The ends prevent the clamp from being pulled out or coming loose under extremely high mechanical loads.

The optional elastomer profile improves the form-locking connection between clamp and fastened element. It also has a silencing effect, dampens vibrations and impacts and protects from contact corrosion.

The fastening clamps are delivered in an expanded state.

Hose clamps DIN 3017-1

The high-quality hose clamps with worm gear drive make it possible to reliably fasten hoses to rigid connections, primarily in mobile and stationary plants and in ship building.

When equipped with combination cross-slot, flexibility during installation is also increased.

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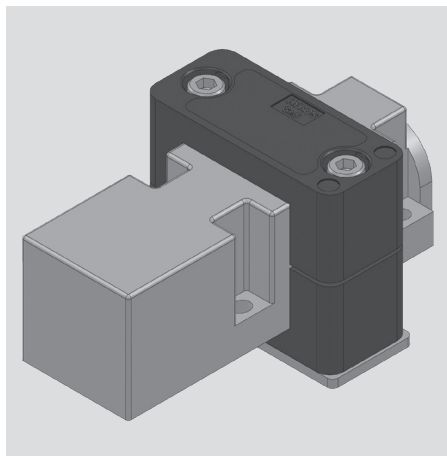
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Sensor clamp HRSEN

Sensor size:
40 mm x 40 mm

Notice:

For sensors with cylindrical design, clamp bodies from the light range with a smooth internal surface (DIN 3015 1) with a corresponding diameter can be used.
(See brochure 8.183)

Model code

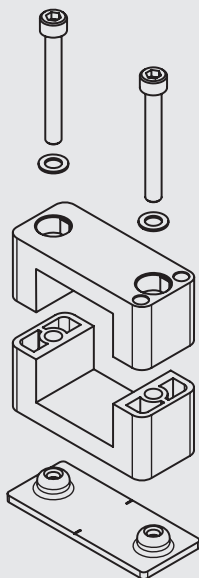
(also order example)

		HRSEN	5	B	40x40	PP	ST	M	BL
Designation									
HRSEN =		HY-ROS sensor clamp							
Size									
5		= size 5							
Model for complete clamps									
(pair of clamp jaws not mentioned)									
B		= with weld plate, hex. socket bolt and washer							
B1TM		= with hex. socket bolt, washer and mounting rail nut							
Dimensions of sensor									
40x40		= 40 mm x 40 mm							
Material of clamp jaws									
PP		= polypropylene							
PA		= polyamide							
AL		= aluminium							
Material of steel parts									
ST		= steel							
A2		= stainless steel (on request)							
A4		= stainless steel (on request)							
Thread type									
M		= metric thread							
Plating of steel parts									
BL		= weld plate unplated, bolts zinc-plated							

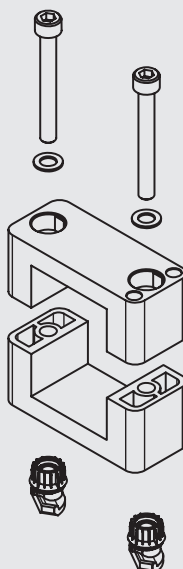
Note: Exposed parts may show signs of flash rust!

Models

Model B



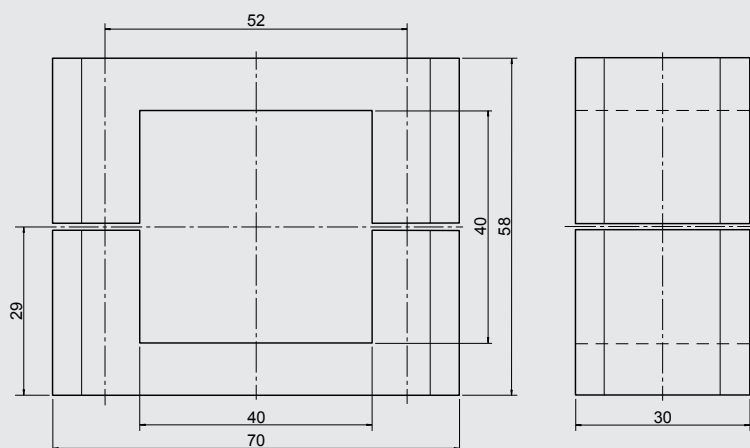
Model B1TM



Note:

No washers are required in the aluminium version

Dimensions [mm]

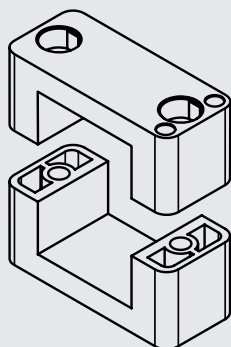


Notice:

Further individual parts have same design and prices as the light range (standard); see section clamps to DIN 3015 (brochure 8.183)

Individual parts

Pair of clamp jaws (KP)



Model code

(also order example)

HRSEN 5 KP 40x40 PP

Range

HRSEN = HY-ROS sensor clamp

Size

5 = size 5

Designation

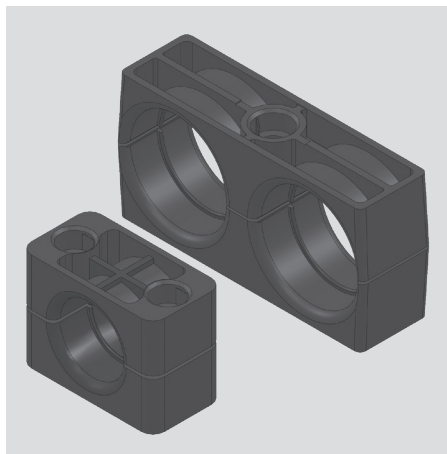
KP = pair of clamp jaws

Dimensions of sensor

40x40 = 40 mm x 40 mm

Material of clamp jaws

PP = polypropylene
PA = polyamide
AL = aluminium



Corrugated tube clamp based on DIN 3015

Diameter range:
16–55 mm
Others on request

Notice:
Installation is similar to the installation
variants of DIN 3015 clamps.
(See brochure 8.183)

Model code

(also order example)

HRGL 4 KP 28,5 PAFF FEDER D25,2

Range

HRGL = HY-ROS clamp, light range with smooth internal surface
HRGZ = HY-ROS clamp, twin clamp with smooth internal surface

Size

(according to dimensions)

Designation

KP = pair of clamp jaws

Pipe diameter

Material of clamp jaws

PAFF = polyamide, flame-retardant to EN 45545-2 R22, R23, HL3
PP = polypropylene
PA = polyamide

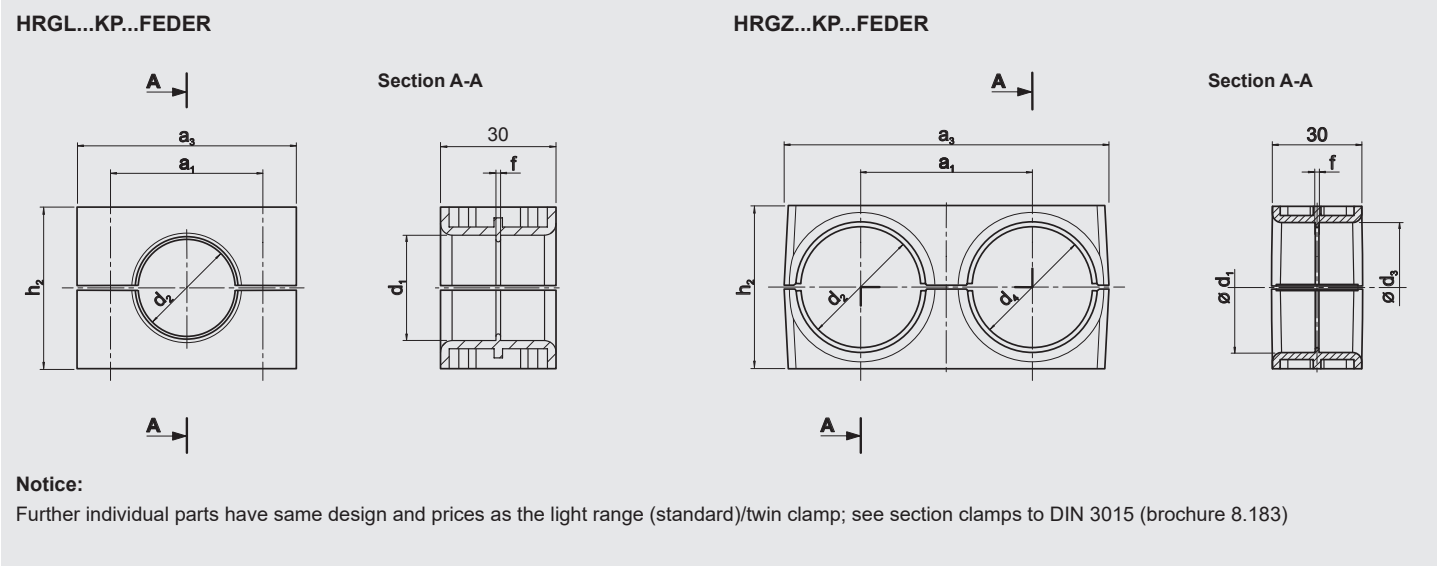
Model

FEDER = clamp jaws with circumferential rib

Internal diameter (rib)

(acc. to dimensions)

Dimensions



Range	Size	Ø d1	Ø d2	Ø d3	Ø d4	h2	a3	a1	f
HRGL	2	15.8	14.0	-	-	33.0	41	26	0.8
	3	21.2	18.2	-	-	37.0	48	33	
		22.0	20.0	-	-				
	4	28.5	25.2	-	-	42.0	57	40	1.2
	5	34.4	31.0	-	-	58.0	70	52	
		42.4	39.2	-	-				
	6	42.4	39.2	-	-	65.2	86	66	
		54.4	50.6	-	-				
HRGZ	5	34.4	31.0	34.4	31.0	54.0	106	56	1.2
		42.4	39.2	42.4	39.2				

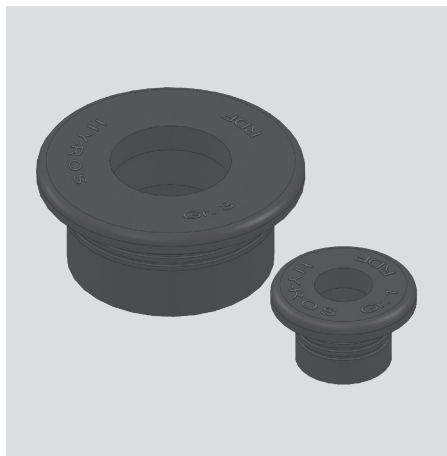
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Rubber tank bush HRRDF

Diameter range:
6–50.5 mm

Model code

(also order example)

HRRDF 3 GT 30 TPE64

Range

HRRDF = HY-ROS rubber tank bush

Size

1 = size 1
2 = size 2
(up to size 5)

Designation

GT = synthetic material profile

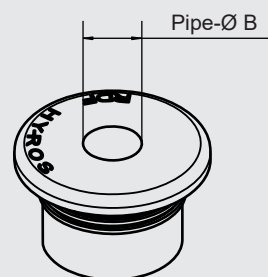
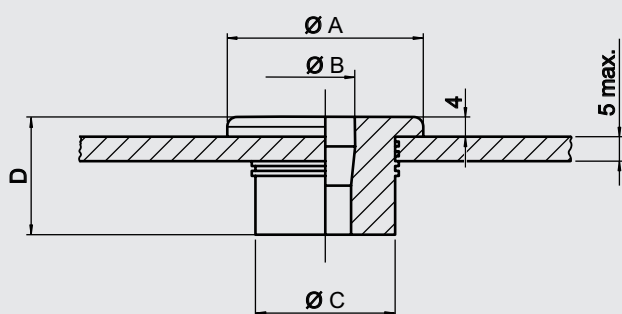
Pipe diameter B

(acc. to dimensions)

Material

TPE64 = thermoplastic elastomer TPE 64 (except for size 4)
NBR = nitrile butadiene rubber (only size 4)

Dimensions



Size	Ø B in stock	Ø B on request	Ø A	Ø C	D
1	6		30	18	18
	8				
		9			
		9.5			
	10				
	12				
2	14		40	28	24
	15				
	16				
	17				
	18				
		19			
	20				
	21.3				
	22				
3	25		55	42	24
	27				
	28				
	30				
		31.5			
	34				
	35				
4	38		70	58	24
	42				
	42.5				
	48.5				
	50.5				
5	60.5		80	67	24

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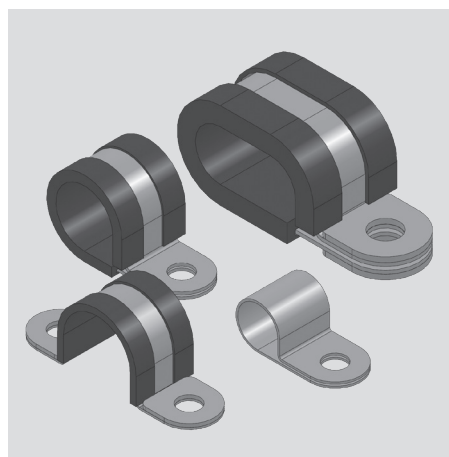
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Diameter range:
4–150 mm

Fastening clamp acc. to DIN 3016-1

Model code

(also order example)

Schelle **DIN3016** - **D1** - **34x20** - **W1** **2** **CR**

Designation

Schelle = fastening clamp

Standard number

DIN3016 = DIN 3016-1

Shape

A1, D1, D2, E1, F1 (acc. to DIN 3016-1)
Others on request

Nominal diameter x band width

(acc. to dimensions)

Material of steel parts

W1 = steel with burst strength of min. 400 N/mm²
W3 = stainless steel
W4 = stainless steel A2
W5 = stainless steel A4
Others on request

Surface protection

No details = unplated
2 = zinc-plated
3 = aluminium-zinc-plated

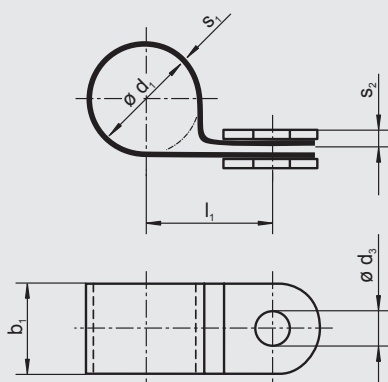
Material of elastomer profile

CR = chlorinated rubber
NBR = nitrile butadiene rubber
EPDM = ethylene propylene diene monomer
MVQ = silicone rubber
Others on request

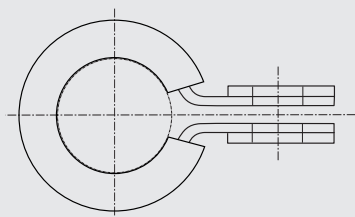
Note: Exposed parts may show signs of flash rust!

Models

Model A1

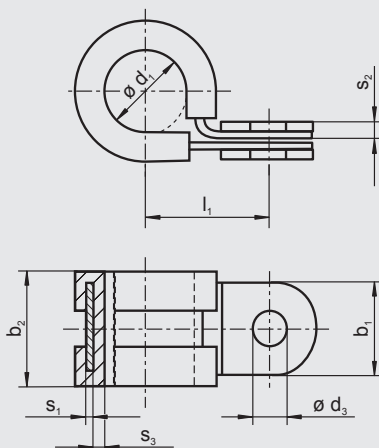


Model E1

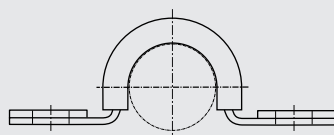


Other dimensions as for D1

Model D1

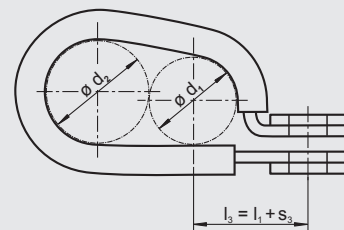


Model F1



Other dimensions as for D1

Model D2



Other dimensions as for D1

Dimensions [mm]*

Nom. Ø d ₁ /d ₂		Band width	Band thickness s ₁				Band thickness s ₂					Profile width	Profile thickness		
Shape A	Shape D, E, F	b ₁	W1	W3	W4	W5	W1	W3	W4	W5	d ₃	b ₂	s ₃	l ₁	
5 - 20	4 - 20	9	0.4				1.4				4.3	13	1	d ₁ 2 +	4.7
5 - 25	4 - 25	12	0.5				1.5				5.3	15	1.2		6.8
8 - 14	5 - 14	15	0.6				1.6				6.4	19	1.5		9.7
15 - 30	15 - 45		0.8	0.6			1.8	1.6							12.5
15 - 25	10 - 25	20	0.8				2.3				8.4	25	2		14.5
26 - 60	26 - 50		1.0	0.8			2.5	2.5							
20 - 49	15 - 49	25	1.0				2.5				10.5	31	3		
50 - 150	50 - 150		1.25	1.0			2.75	2.5							

* Tolerances acc. to DIN 3016-1

Notice: d_1 and d_2 correspond to the external diameter of the held part. The fastening clamps do not have any clamping range. The increment within the specified diameter range is 1 mm.
If d_2 is greater than d_1 , the dimensions apply in accordance with the larger diameter.

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Clamping range:
8–160 mm
Others on request

Band width:
9 mm, 13 mm

Hose clamp with worm gear drive acc. to DIN 3017-1

Model code

(also order example)

Schlauchschr. DIN3017 - A - 16-27 x 9 - W2 - 2

Designation

Schlauchschr. = hose clamp

Standard number

DIN3017 = DIN 3017-1

Shape

A = hose clamp with worm gear drive

Clamping range

(according to dimensions)

Band width

9 = 9 mm

13 = 13 mm

Others on request

Materials of steel parts

W1 = steel, zinc-plated

W2 = band and housing stainless steel, bolt steel zinc-plated

W4 = stainless steel A2

W5 = stainless steel A4

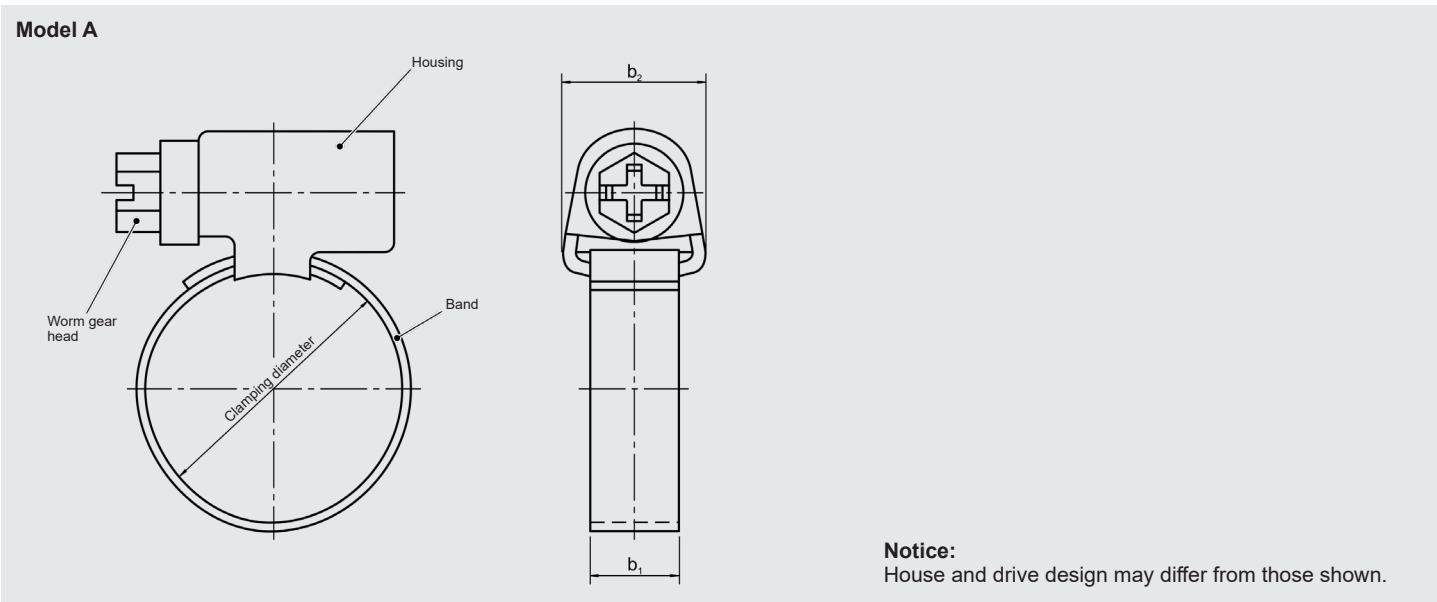
Others on request

Surface protection

2 = zinc-plated

3 = aluminium-zinc-plated

Dimensions



b ₁ [mm]	b ₂ [mm]	Clamping diameter (range) [mm]	Pack. unit (qty.)
9 ±1	≤ 14	8 - 12	50
		10 - 16	
		12 - 20	
		12 - 22	
		16 - 27	
		20 - 32	
		23 - 35	
		25 - 40	
		30 - 45	25
		32 - 50	
		40 - 60	
		50 - 70	
		60 - 80	
		70 - 90	
		80 - 100	
		90 - 110	
		100 - 120	
		110 - 130	
		120 - 140	
		130 - 150	
		140 - 160	

b ₁ [mm]	b ₂ [mm]	Clamping diameter (range) [mm]	Pack. unit (qty.)
13 ±1	≤ 20	16 - 27	50
		20 - 32	
		23 - 35	
		25 - 40	
		30 - 45	
		32 - 50	
		40 - 60	25
		50 - 70	
		60 - 80	
		70 - 90	
		80 - 100	
		90 - 110	
		100 - 120	15
		110 - 130	
		120 - 140	
		130 - 150	
		140 - 160	

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