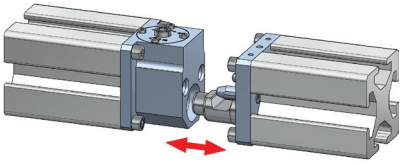
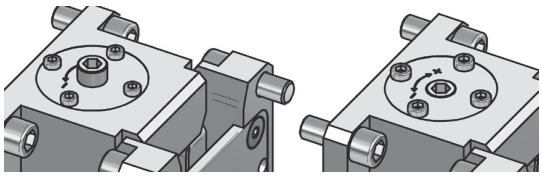
Sectional Rail Couplings
PKH-M





unclamping position clamping position

Application area

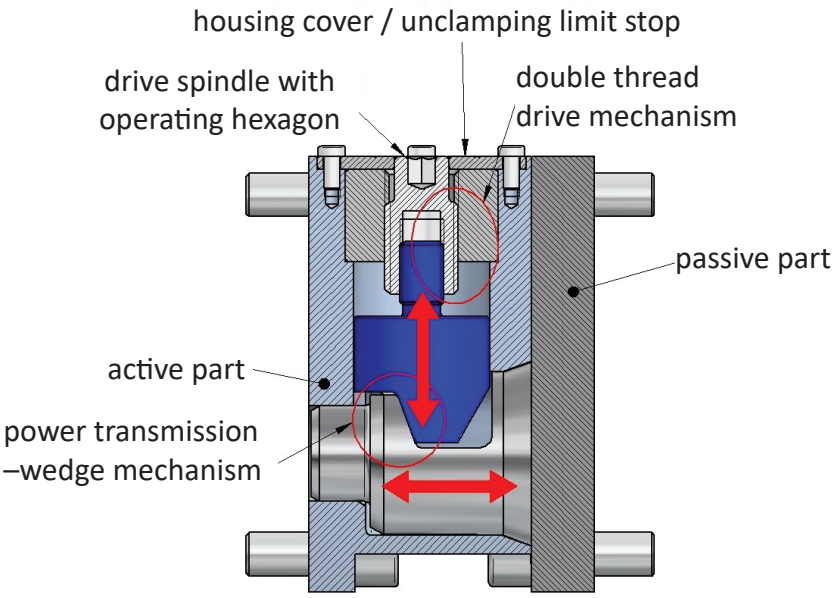
- Connection of sectional rails of different forms and sizes (e. g. transfer rails in press transfers)
- Connection of fixtures (e. g. grippers) on handling devices and robots

Description

The coupling consists of a passive and an active part made of tempered steel (passive plate partly made of aluminium). In the active part a clamp bolt is positioned by means of a left-right-thread mechanism and thus generates the clamping force in conjunction with the coupling pin of the passive part.

The clamping respectively unclamping procedure may be checked by the position of the operating hexagon (see graphic on the right). The clamping connection is self-locking.

A horizontal coupling path is necessary for the rail change (see top-right graphic).



Advantages

- easy operation
- short clamping times thanks to double threads
- no operation medium supply necessary
- compact overall length
- easy monitoring of clamping status by means of visual indicator

Accessories

- fixing bolts

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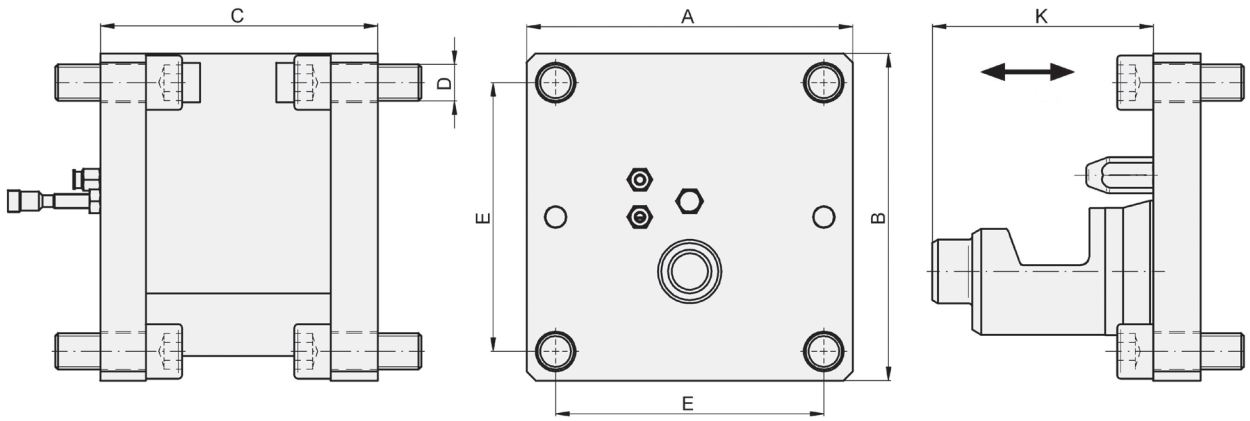

Example order

PKH-M - 140 x 140 - active part

Type PKH-M- manual clamping
Size 140x140 - sectional profile
Active part / passive part

designation	* operating forces FB [kN]	FBmin [kN]	FQ [kN]	**bending moment [Nm]	TA (PKH-M) [Nm]	wight [kg]	couple distance K	compen-sation horiz.	dimensions [mm] width A	height B	length C	bore pattern D	E
PKH-M 80x80	20	-	25	1000	20	2,7	53	3	80	80	80	4x M8	66
PKH-M 100x100	30	-	35	2000	25	4,8	64	4	100	100	81	4x M10	82
PKH-M 120x120	40	-	60	3000	30	7,2	65	4,5	120	120	83	4x M12	100
PKH-M 140x140	60	-	70	6500	35	10,6	74	5	140	140	94	4x M14	115
PKH-M 160x160	70	-	100	7500	40	15,2	80	5	160	160	105	4x M16	132
PKH-M 180x180	80	-	150	13000	50	23	93	6	180	180	122	4x M20	148
PKH-M 200x200	80	-	150	15000	50	29	95	7	200	200	124	4x M20	168

*FB - tolerable axial operating force at nominal pressure PN = 6 bar (10 bar)
FB_{min} - minimal operating force at no pressure P = 0 bar
FQ - tolerable vertical locking force

**tolerable operating values M x / y / z at nominal pressure PN = 6 bar

Material version: tempered steel, nitrated