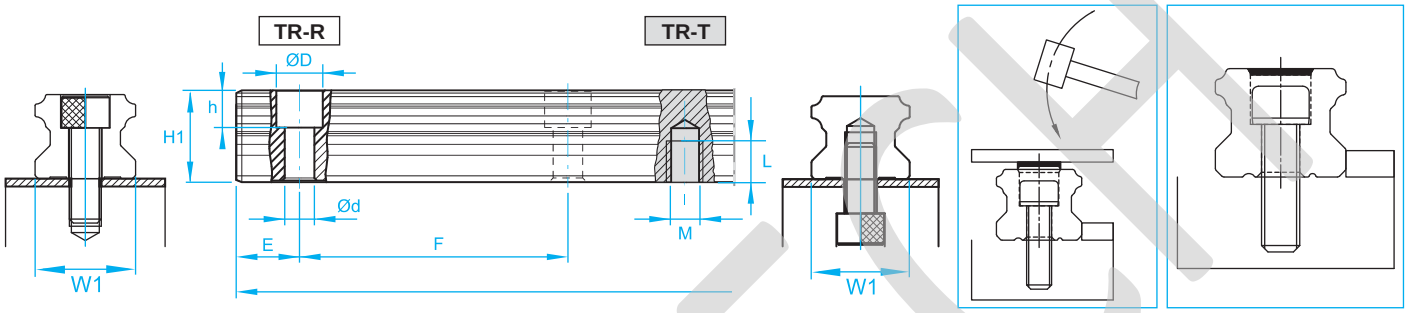
GUIDANCE RAILS

The linear guide system consists of a precision rail with four tracks rectified bearings.
This precision allows us to get a very soft linear movement and a friction coeficient ranging from 0.002 to 0.003.
Our rails are supplied cut to the need of the application with a maximum length of 4 meters. For longer rails, we have a special machine for grinding the ends (tol +/- 0.2).
However the quality of a junction will also depend on the surface state of the support rail. Each segment is identified by a marking on the top of the rail and individually packaged.
For applications working in wet environments, we can offer the rails with anti-corrosion treatment.
For all orders, it is imperative to specify the distance from the first hole of the rail that will be different depending on the total length.
Example - First Hole 15 mm (tol +/- 0.5).



Type	Dimensions - mm								Fixing thread rail			
	W1	H1	F	ØD	h	Ød	Fixation Rail	Weight Kg/M	Type	Radial Thread	Length Thread L mm	Length Rail mm
TR15RH	15	13	60	7,5	6	4,5	M4X16	1,32	**TR15TH**	M5x0,8P	8	4000
TR20RH	20	16,5	60	9,5	8,5	6	M5X16	2,28	**TR20TH**	M6x1P	10	4000
TR25RH	23	20	60	11	9	7	M6X20	3,17	**TR25TH**	M6x1P	12	4000
TR30RH	28	23	80	14	12	9	M8X20	4,54	**TR30TH**	M8x1,25P	15	3960
TR35RH	34	26	80	14	12	9	M8X25	6,27	**TR35TH**	M8x1,25P	17	3960
TR45RH	45	32	105	20	17	14	M12X35	10,4	**TR45TH**	M12x1,75P	24	3960
TR55RH	53	44	120	23	20	16	M14X45	16,10	**TR55RH**	M14x2P	24	3900
TR65RH	63	53	150	26	22	18	M16X50	22,54	**TR65RH**	M20x2,5P	30	3970

Exemple of anti-corrosion : TR--RLC

Order example | **TR** | **15** | **R** | **H** | **2500** | **20**

Rail Type

Size

R : Standard type
T : Fixing thread rail

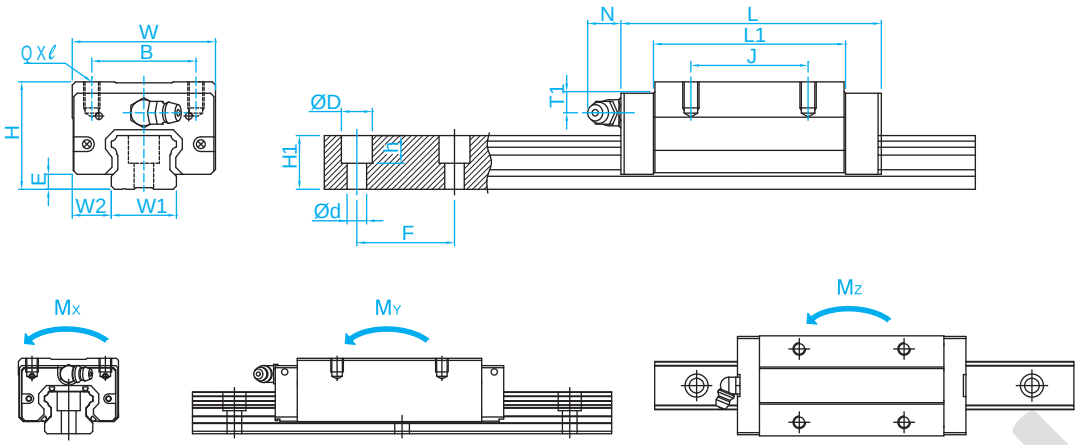
H : High precision

Total lenght

*1 st hole of the rail **

** The E value depends on the length of the rail*

Type TRH-V





Block with 4 ball circles

Type	Dimensions - mm									Greaser			Basic load kN		Static moment kN-m			Weight		Rails
	H	W2	E	W	B	J	L	L1	Qxℓ	T1	Oil hole	N	Dyn. C	Stat. Co	M_X	M_Y	M_Z	Block	Rail	W1
																		g		mm
TRH15VN	28	9,5	3,2	34	26	26	55,9	39,5	M4x5	9,5	M4x0,7	7	12,06	22,06	0,164	0,148	0,148	130	1 320	15
TRH15VL							64,4	48					13,43	25,74	0,191	0,204	0,204	200		
TRH20VN	30	12	4,6	44	32	36	74	54	M5x5	6,5	M6x1	14	20,50	36,96	0,373	0,332	0,332	260	2 280	20
TRH20VL							79	59					21,25	38,91	0,392	0,369	0,369	290		
TRH20VE						50	98	78					25,53	50,58	0,518	0,632	0,632	380		
TRH25VN	40	12,5	5,8	48	35	35	80	59	M6x8	11,5	M6x1	14	25,81	45,03	0,522	0,434	0,434	540	3 170	23
TRH25VL							92	71					28,75	52,54	0,609	0,595	0,595	550		
TRH25VE						50	109	88					32,48	62,55	0,725	0,851	0,851	680		
TRH30VN	45	16	7	60	40	40	95,3	69,3	M8x10	11	M6x1	14	38,07	64,83	0,907	0,749	0,749	760	4 540	28
TRH30VL							106	80					40,98	72,03	1,008	0,931	0,931	850		
TRH30VE						60	131	105					47,91	90,04	1,260	1,470	1,470	1 120		
TRH35VN	55	18	7,5	70	50	50	108	79	M8x10	15	M6x1	14	50,90	83,46	1,472	1,060	1,060	1 310	6 270	34
TRH35VL							122	93					55,02	93,28	1,595	1,333	1,333	1 520		
TRH35VE						72	152	123					66,67	122,74	2,098	2,339	2,339	2 000		
TRH45VL	70	20,5	8,9	86	60	60	140	106	M10x15	20,5	PT1/8	12,5	75,72	128,08	2,926	2,220	2,220	2 700	10 400	45
TRH45VE						80	174	140					88,52	160,10	3,658	3,485	3,485	3 580		
TRH55VL	80	23,5	13	100	75	75	163	118	M12x18	21	PT1/8	12,5	147,03	216,13	5,713	4,117	4,117	3 600	16 100	53
TRH55VE						95	201,1	156,1					173,49	273,77	7,236	6,705	6,705	4 700		
TRH65VL	90	31,5	14	126	76	70	197	147	M16x20	19	PT1/8	12,5	225,26	314,86	9,730	6,958	6,958	7 760	22 540	63
TRH65VE						120	256,5	206,5					278,95	427,31	13,206	1,307	1,307	11 150		

Order example | **TRH** | **15** | **V** | **L** | **Z0** | **H**

Block Type

Model of Size

V: Without flange

N: Normal
L: Long
E: Extra Long

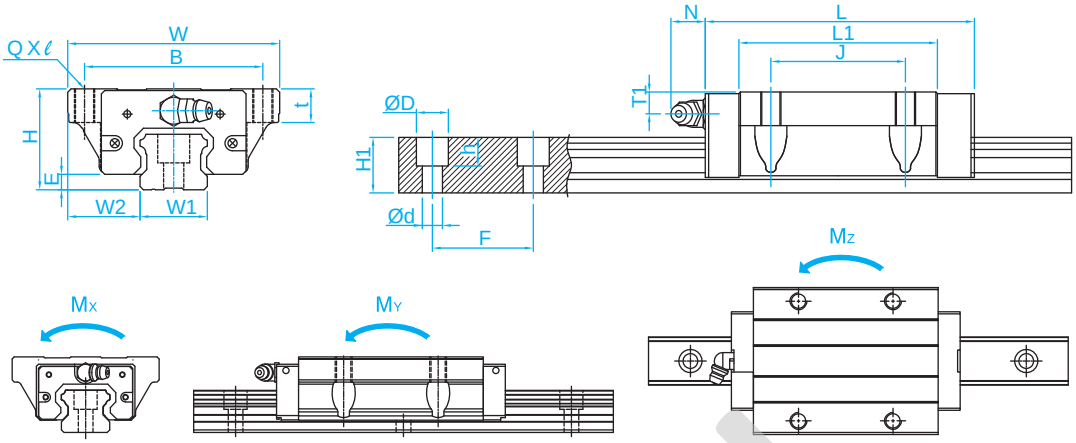
Z0: No preload

N: Standard precision
H: High precision

FISATECH

Type TRH-F





Block with 4 ball circles

Type	Dimensions - mm										Greaser			Basic load kN		Static moment kN-m			Weight		Rails
	H	W2	E	W	B	J	t	L	L1	Q x ℓ	T1	Oil hole	N	Dyn. C	Stat. Co	M_X	M_Y	M_Z	Block	Rail	W1
																			g		mm
TRH15FN	24	16	3,2	47	38	30	8	55,9	39,5	M5x8	5,5	M4x0,7	7	12,06	22,06	0,164	0,148	0,148	180	1 320	15
TRH15FL								64,4	48					13,43	25,74	0,191	0,204	0,204	222		
TRH20FN	30	21,5	4,6	63	53	40	10	74	54	M6x10	6,5	M6x1	14	20,50	36,96	0,373	0,332	0,332	390	2 280	20
TRH20FL								79	59					21,25	38,91	0,392	0,369	0,369	430		
TRH20FE								98	78					25,53	50,58	0,518	0,632	0,632	580		
TRH25FN	36	23,5	5,8	70	57	45	12	80	59	M8x12	7,5	M6x1	14	25,81	45,03	0,522	0,434	0,434	600	3 170	23
TRH25FL								92	71					28,75	52,54	0,609	0,595	0,595	670		
TRH25FE								109	88					32,48	62,55	0,725	0,851	0,851	850		
TRH30FN	42	31	7	90	72	52	15	95,3	69,3	M10x15	8	M6x1	14	38,07	64,83	0,907	0,749	0,749	1 001	4 540	28
TRH30FL								106	80					40,98	72,03	1,008	0,931	0,931	1 180		
TRH30FE								131	105					47,91	90,04	1,260	1,470	1,470	1 540		
TRH35FN	48	33	7,5	100	82	62	15	108	79	M10x15	8	M6x1	14	50,90	83,46	1,427	1,060	1,060	1 470	6 270	34
TRH35FL								122	93					55,02	93,28	1,595	1,330	1,330	1 720		
TRH35FE								152	123					66,67	122,74	2,098	2,339	2,339	2 290		
TRH45FL	60	37,5	8,9	120	100	80	18	140	106	M12x18	10,5	PT1/8	12,5	75,72	128,08	2,926	2,207	2,207	2 800	10 400	45
TRH45FE								174	140					88,52	160,10	3,658	3,485	3,485	3 790		
TRH55FL	70	43,5	13	140	116	95	29	163	118	M14x17	11	PT1/8	12,5	147,03	216,13	5,713	4,117	4,117	4 220	16 100	53
TRH55FE								201,1	156,1					173,49	273,77	7,236	6,705	6,705	5 600		
TRH65FL	90	53,5	14	170	142	110	37	197	147	M16x23	19	PT1/8	12,5	225,26	314,86	9,730	6,958	6,958	9 310	22 540	63
TRH65FE								256,5	206,5					278,98	427,31	13,206	13,075	13,075	12 980		

Order example | **TRH** | **15** | **F** | **L** | **Z0** | **H**

Block Type

Model of Size

F: With flange

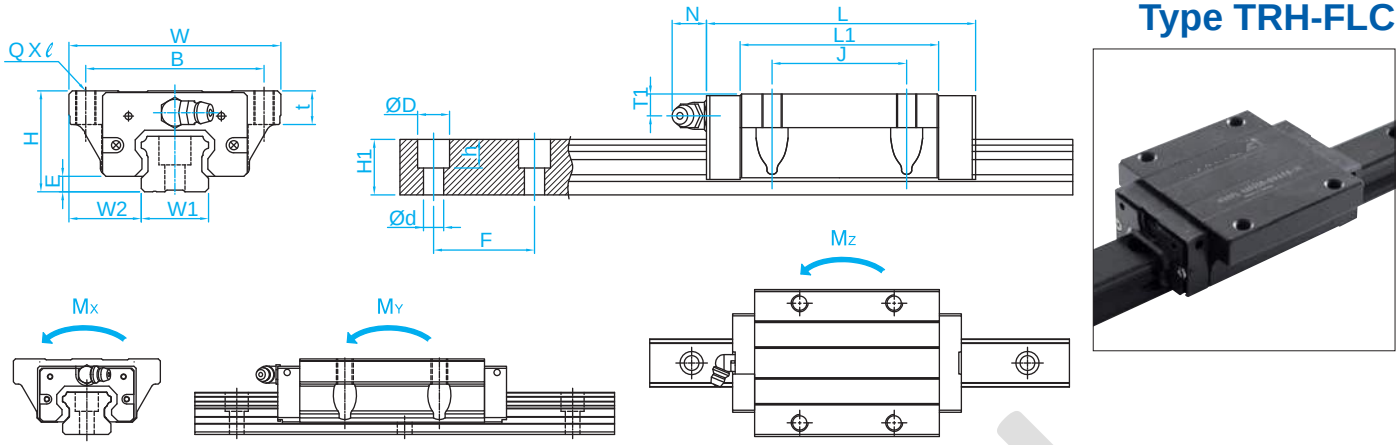
N: Normal
L: Long
E: Extra Long

Z0: No preload

N: Standard precision
H: High precision

FISATECH

Type TRH-FLC



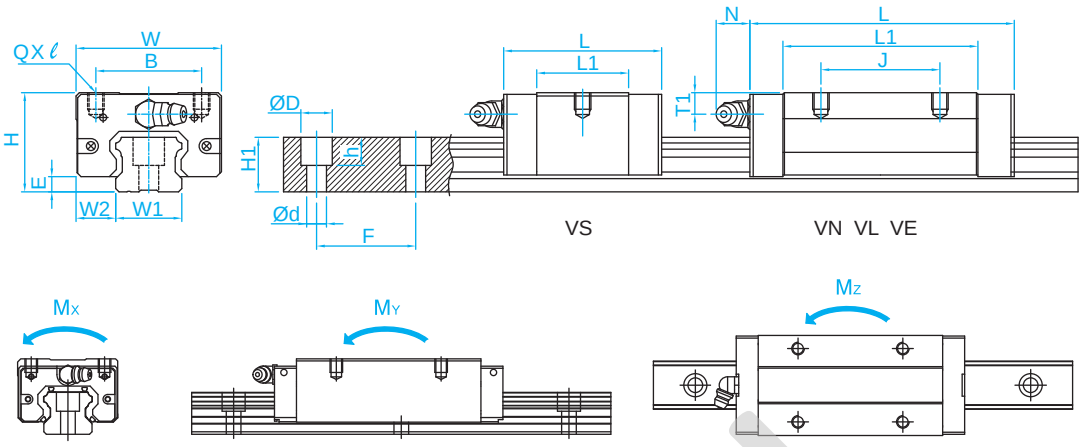
Type	Dimensions - mm										Greaser			Basic load kN		Static moment kN-m			Weight		Rails
	H	W2	E	W	B	J	t	L	L1	Qxℓ	T1	Oil hole	N	Dyn. C	Stat. Co	M_X	M_Y	M_Z	Block	Rail	W1
																			g		mm
TRH15FLC	24	16	3,2	47	38	30	8	64,4	48	M5x8	5,5	M4x0,7	7	13,43	25,74	0,191	0,204	0,204	222	1 320	15
TRH20FLC	30	21,5	4,6	63	53	40	10	79	59	M6x10	6,5	M6x1	14	21,25	38,91	0,392	0,369	0,369	430	2 280	20
TRH25FLC	36	23,5	5,8	70	57	45	12	92	71	M8x12	7,5	M6x1	14	28,75	52,54	0,609	0,595	0,595	670	3 170	23
TRH30FLC	42	31	7	90	72	52	15	106	80	M10x15	8	M6x1	14	40,98	72,03	1,008	0,931	0,931	1 180	4 540	28
TRH35FLC	48	33	7,5	100	82	62	15	122	93	M10x15	8	M6x1	14	55,02	93,28	1,595	1,333	1,333	1 720	6 270	34
THR45FLC	60	37,5	8,9	120	100	80	18	140	106	M12x18	10,5	PT1/8	12,5	75,72	128,08	2,925	2,207	2,207	2 800	10 400	45

The coating consists of a CPTA layer black chrome thin, and provides simultaneously a good wear resistance, and an effect of protection against corrosion very important. Thickness of the layer: 2 to 10 µm.

FISATECH

Type TRS-V





Block with 4 ball circles

Type	Dimensions - mm									Greaser			Basic load kN		Static moment kN-m			Weight		Rails
	H	W2	E	W	B	J	L	L1	Qxℓ	T1	Oil hole	N	Dyn. C	Stat. Co	M_X	M_Y	M_Z	Block	Rail	W1
																		g		mm
TRS15VS	24	9,5	3,2	34	26	-	39,3	22,9	M4x5	5,5	M4x0,7	7	9,08	14,71	0,109	0,064	0,064	90	1 320	15
TRS15VN						26	55,9	39,5					12,06	22,06	0,164	0,148	0,148	150		
TRS20VS	28	11	4,6	42	32	-	47,8	27,8	M5x5	4,5	M6x1	14	13,98	21,4	0,216	0,107	0,107	150	2 280	20
TRS20VN						32	66,7	46,7					18,96	33,07	0,334	0,264	0,264	230		
TRS25VS	33	12,5	5,8	48	35	-	56,2	35,2	M6x6	4,5	M6x1	14	19,43	30,02	0,348	0,187	0,187	250	3 170	23
TRS25VN						35	80	59					25,81	45,03	0,522	0,434	0,434	390		
TRS30VS	42	16	7	60	40	-	66,4	40,4	M8x8	8	M6x1	14	26,97	39,62	0,554	0,269	0,269	480	4 540	28
TRS30VN						40	95,3	69,3					38,07	64,83	0,907	0,749	0,749	770		
TRS30VL						40	106	80					40,98	72,03	1,008	0,931	0,931	740		
TRS35VS	48	18	7,5	70	50	-	74,7	45,7	M8x8	8	M6x1	14	35,73	54,01	0,923	0,428	0,428	710	6 270	34
TRS35VN						50	108	79					50,90	83,46	1,427	1,060	1,060	1 115		
TRS35VE						72	152	123					66,67	122,74	2,098	2,339	2,339	1 540		
TRS45VN	60	20,5	8,9	86	60	60	124,5	90,5	M10x15	10,5	PT1/8	12,5	67,58	108,87	2,487	1,580	1,580	1 980	10 400	45

Order example | **TRS** | **15** | **V** | **S** | **Z0** | **H**

Block Type

Model of Size

V: Without flange

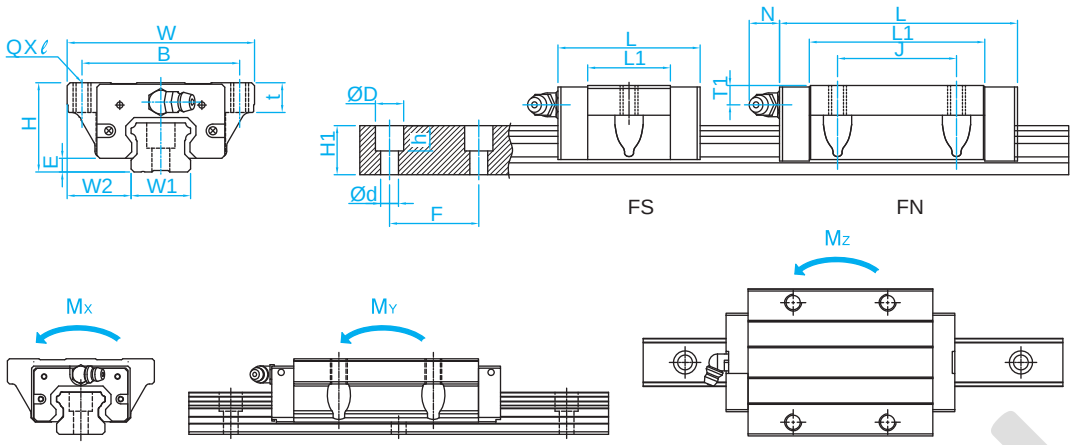
S: short
N: Normal
L: Long

Z0: No preload

N: Standard precision
H: High precision

FISATECH

Type TRS-F





Block with 4 ball circles

Type	Dimensions - mm										Greaser			Basic load kN		Static moment kN-m			Weight		Rails
	H	W2	E	W	B	J	t	L	L1	Qxℓ	T1	Oil hole	N	Dyn. C	Stat. Co	M_x	M_y	M_z	Block	Rail	W1
																			g		mm
TRS15FS	24	18,5	3,2	52	41	-	7	39,3	22,9	M5x7	5,5	M4x0,7	7	9,08	14,71	0,109	0,064	0,064	120	1 320	15
TRS15FN						26		55,9	39,5					12,06	22,06	0,164	0,148	0,148	190		
TRS20FS	28	19,5	4,6	59	49	-	9	47,8	27,8	M6x9	4,5	M6x1	14	13,98	21,4	0,216	0,107	0,107	190	2 280	20
TRS20FN						32		66,7	46,7					18,96	33,07	0,334	0,264	0,264	290		
TRS25FN	33	25	5,8	73	60	35	10	80	59	M8x10	4,5	M8x10	14	25,81	45,03	0,522	0,434	0,434	510	3 170	23

Order example | **TRS** | **15** | **F** | **N** | **Z0** | **H**

Block Type

Model of Size

F: With flange

S: short
N: Normal

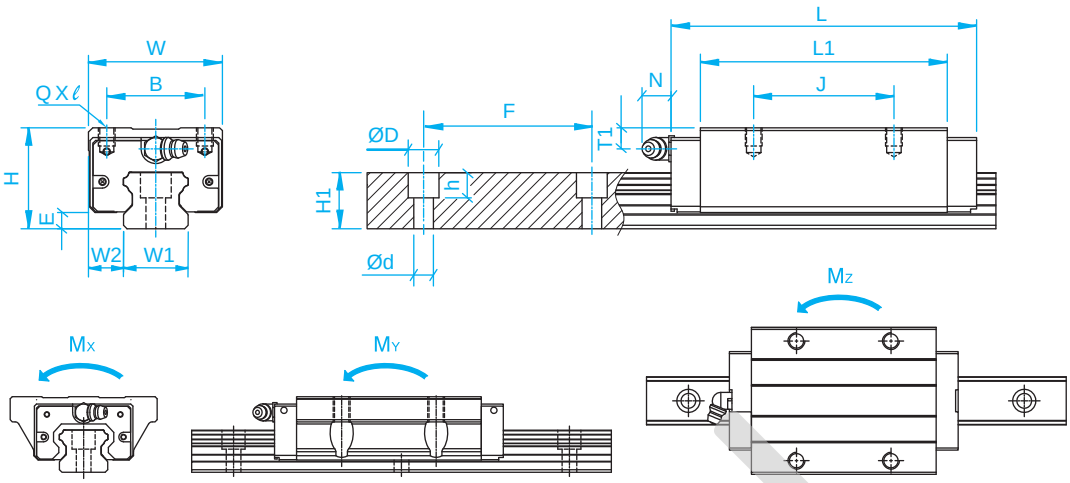
Z0: No preload

N: Standard precision
H: High precision

FISATECH

Type TRC-V





Block with 4 ball circles

Type	Dimensions - mm									Greaser			Basic load kN		Static moment kN-m			Weight		Rails
	H	W2	E	W	B	J	L	L1	Q x ℓ	T1	Oil hole	N	Dyn. C	Stat. Co	M_X	M_Y	M_Z	Block	Rail	W1
																		g		mm
TRC25VL	36	12,5	5,8	48	35	35	92	71	M6x6,5	7,5	M6x1	14	28,75	52,54	0,609	0,595	0,595	520	3 170	23
TRC25VE						50	109	88					32,48	62,55	0,725	0,851	0,851	650		

Order example **TRC 25 V L Z0**

Block Type

Model of Size

V: Without flange

L: Long
E: Extra Long

Z0: No preload
Z1: Light Preload

FISATECH

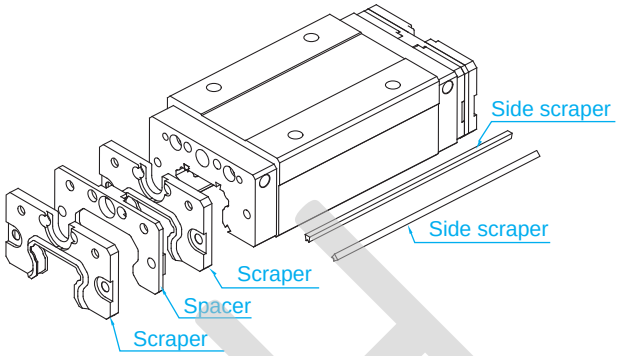
DUST PROOF ACCESSORIES

Double scraper

Blocks are better protected against the penetration of dirt thanks to increased scraping.

standard ZN

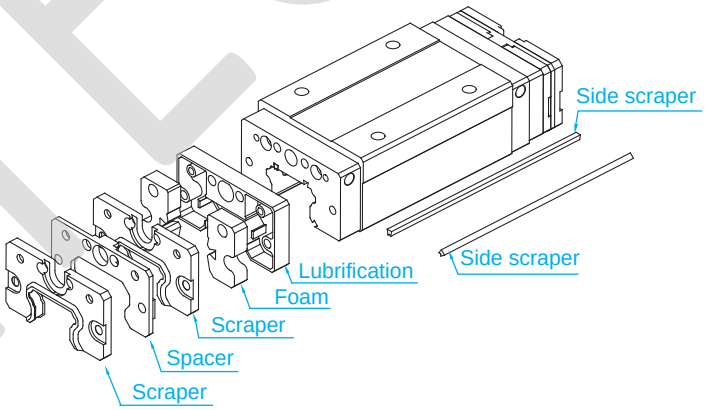
Size	Total length of the rail							
	TR15	TR20	TR25	TR30	TR35	TR45	TR55	TR65
	mm							
S	48,1	58,4	65,6	76,4	84,7	-	-	-
N	64,7	TRS (77,3) TRH (84,6)	89,4	105,2	118,2	134,5	-	-
L	73,2	89,6	101,4	116	132	150	161,6	196,5
E	88,2	108,6	118,4	141	162	184	199,6	256



Order example : **TRH15VLZ0HZN**

self-lubrication WZ

Size	Total length of the rail							
	TR15	TR20	TR25	TR30	TR35	TR45	TR55	TR65
	mm							
S	59,6	69,9	77,1	87,9	96,2	-	-	-
N	76,2	TRS (88,8) TRH (96,1)	100,9	116,7	129,7	146	-	-
L	84,7	101,1	112,9	127,5	143,5	161,5	173,1	208
E	99,7	120,1	129,9	152,5	173,5	195,5	211,1	267,5



Order example : **TRH15VLZ0HWZ**

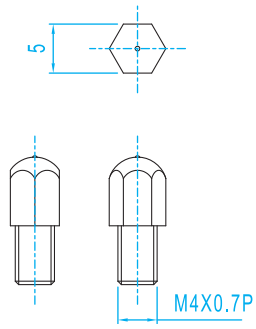




FISATECH

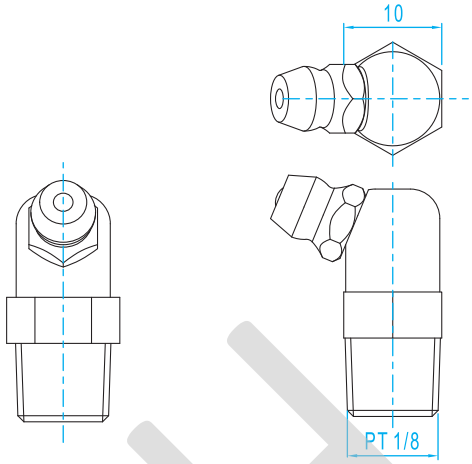
GREASE NIPPLE

TR15



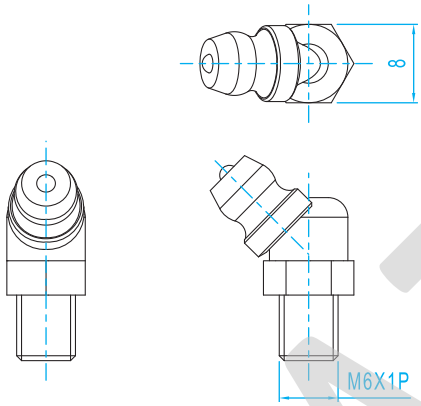
M4 x 0,7 (SD - 020)
Version with double seals M4 x 0,7 (SD - 024)

TR45 - TR55 - TR65



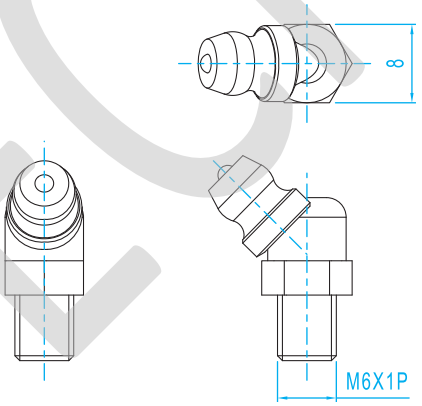
PT1/8 (SD - 011)
Version with double seals PT1/8 (SD - 027)

TR20 - TR25 - TR30



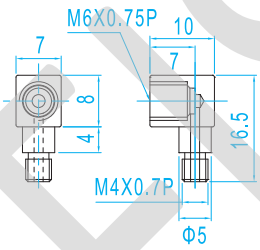
M6 x 1P (SD - 021)
Version with double seals M6 x 1P (SD - 025)

TR35



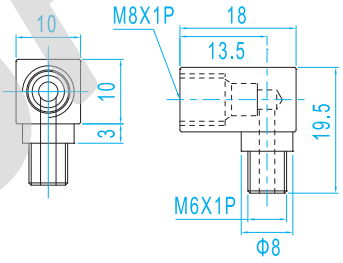
M6 x 1P (SD - 021)
Version with double seals M6 x 1P (SD - 026)

SD-037



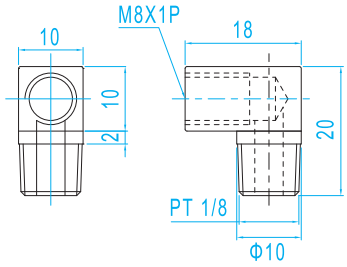
TR15

SD-038



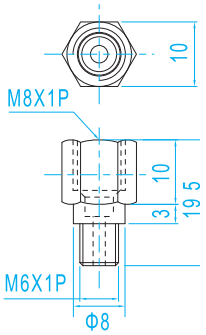
TR35 - TR30 - TR25 - TR20

SD-039



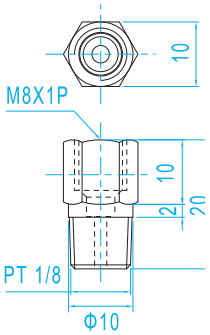
TR65 - TR55 - TR45

SD-041



TR35 - TR30 - TR25 - TR20

SD-042



TR65 - TR55 - TR45

FISATECH