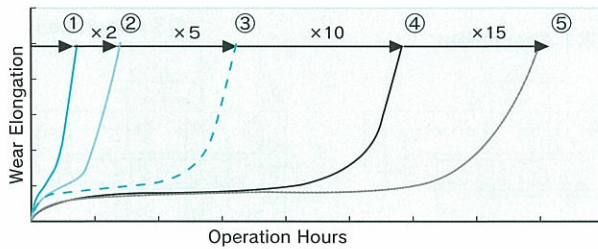
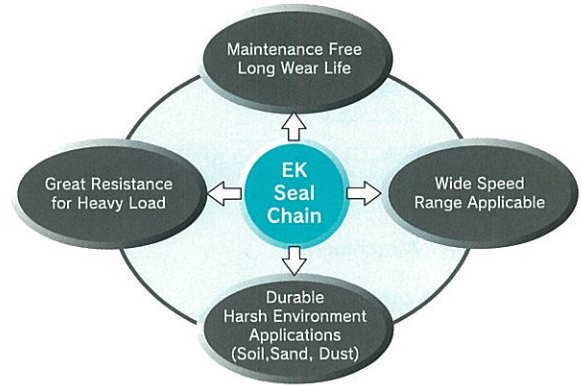
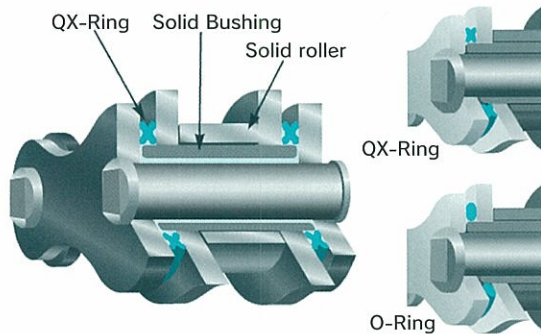


EK Power Transmission Seal Chain(QX-Ring, O-Ring)



- ① Conventional Chain (Curled Bushing Chain)
- ② Conventional Chain (Solid Bushing Chain)
- ③ Conventional Chain (Sintered Bushing Chain)
- ④ O-Ring Chain
- ⑤ QX-Ring Chain

Seal chains extend wear life 10 to 15 times longer than standard chains and 2 to 3 times than sintered bushing chains.

O-ring or QX-ring seal chains reduce the noise level by 2-3dB compared to EK standard roller chain.

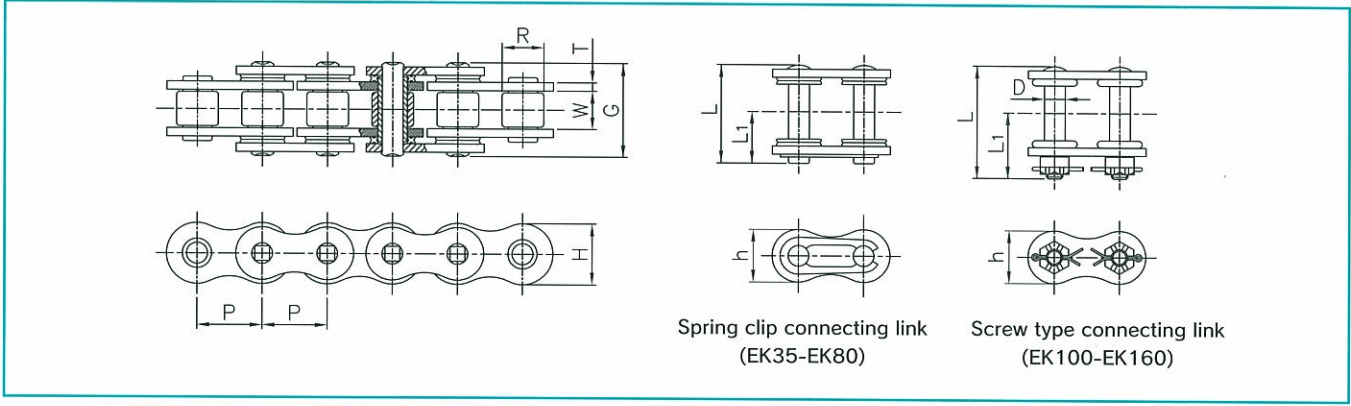
Application:

1. Seal chains are not recommended in applications where the following chemicals and solvents are used. Contact with the following chemicals and solvents will damage O-ring and QX-ring made of NBR.

Gasoline, Light Oil, Benzene, Toluene, Ether, Ketone, Ethyl Acetate, Phosphoric, Acid, Esters
Operating Oil, Organic Acid, Heavily Polluted Mineral Acid

2. Allowable operating temperature for standard O/QX-ring is -10°C to $+80^{\circ}\text{C}$ (14°F to 176°F). Special heat resistant O/QX-ring chains are also available.
3. Standard sprockets can be used for seal chains. Considerations of wider chain width than standard chains should be taken in design and installation.
4. Periodical lubrication maintenance extends wear life.
Seal chains have a little less flexibility due to friction between plates and seal rings, but the loss of power transmission is negligible since the friction loss between pin and bushings is greater.

ANSI Type Seal Chain



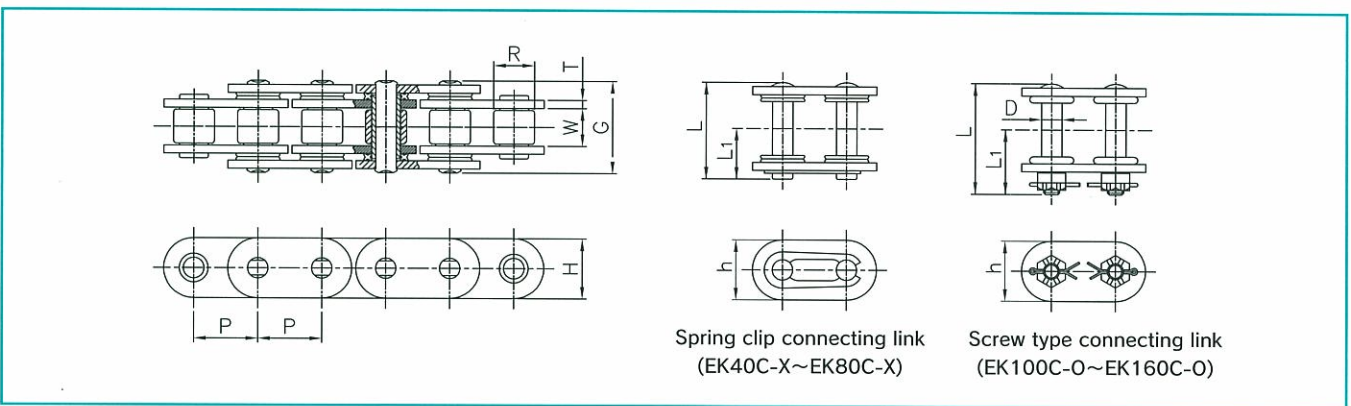
Spring clip connecting link (EK35-EK80)

Screw type connecting link (EK100-EK160)

EK Chain No.	Pitch P	Roller Dia. R	Roller Link Width W(min.)	Pin				Link Plate			Average Tensile Strength		Maximum Allowable Load		Approx. Weight Kg/Meter
				Dia. D	G	L	L1	Thickness T	Height H(max.)	Height h(max.)	kN	kgf	kN	kgf	
EK 35-O	9.525	*5.08	4.68	3.58	14.50	15.50	8.20	1.27	9.0	7.8	10.8	1,000	2.1	220	0.36
EK 40-X	12.70	7.92	7.85	3.96	19.00	20.10	10.60	1.50	12.0	10.4	19.1	1,950	3.6	370	0.67
EK 50-X	15.875	10.16	9.40	5.08	23.80	24.40	12.50	2.00	15.0	13.0	32.0	3,250	6.3	650	1.10
EK 60-X	19.05	11.91	12.57	5.95	28.50	30.00	15.60	2.40	18.1	15.6	44.1	4,500	8.8	900	1.63
EK 80-X	25.40	15.88	15.75	7.93	35.80	37.00	19.10	3.20	24.1	20.8	78.6	8,000	14.7	1,500	2.75
EK 100-O	31.75	19.05	18.90	9.53	45.00	48.90	26.40	4.00	30.1	26.0	118.0	12,000	22.6	2,300	4.34
EK 120-O	38.10	22.23	25.22	11.10	54.30	64.00	36.85	4.80	36.2	31.2	171.0	17,500	30.4	3,100	6.17
EK 140-O	44.45	25.40	25.22	12.70	58.15	69.00	39.90	5.60	42.2	36.4	216.0	22,000	40.2	4,100	7.64
EK 160-O	50.80	28.58	31.55	14.28	68.60	85.00	50.70	6.40	48.2	41.6	270.0	27,500	52.9	5,400	10.26

* denotes bushing chain. Dimension shown is bush diameter.

Straight Sidebar Type Sealed Chain



Spring clip connecting link (EK40C-X~EK80C-X)

Screw type connecting link (EK100C-O~EK160C-O)

EK Chain No.	Pitch P	Roller Dia. R	Roller Link Width W(min.)	Pin				Link Plate			Average Tensile Strength		Maximum Allowable Load		Approx. Weight Kg/Meter
				Dia. D	G	L	L1	Thickness T	Height H(max.)	Height h(max.)	kN	kgf	kN	kgf	
EK 40C-X	12.70	7.92	7.85	3.96	19.00	20.10	10.60	1.50	12.0	12.0	19.1	1,950	4.2	430	0.74
EK 50C-X	15.875	10.16	9.40	5.08	23.80	24.40	12.50	2.00	15.0	15.0	32.0	3,250	6.6	680	1.31
EK 60C-X	19.05	11.91	12.57	5.95	28.50	30.00	15.60	2.40	18.1	18.1	44.1	4,500	9.3	950	1.83
EK 80C-X	25.40	15.88	15.75	7.93	35.80	37.00	19.10	3.20	24.1	24.1	78.6	8,000	19.6	2,000	3.29
EK 100C-O	31.75	19.05	18.90	9.53	45.00	48.90	26.40	4.00	30.1	30.1	118.0	12,000	24.5	2,500	5.17
EK 120C-O	38.10	22.23	25.22	11.10	54.30	64.00	36.85	4.60	36.2	36.2	171.0	17,500	46.5	4,750	7.36
EK 140C-O	44.45	25.40	25.22	12.70	58.15	69.00	39.90	5.60	42.2	42.2	216.0	22,000	49.0	5,000	10.18
EK 160C-O	50.80	28.58	31.55	14.28	68.60	85.00	50.70	6.40	51.6	51.6	314.0	34,000	68.6	7,000	12.73

NOTE:
 1) EK140C-O: Pin diameter and plate thickness are different from standard seal chain 140-O.
 2) EK160C-O: Pin diameter is different from standard seal chain 160-O.