

VNK-T2

Open center
rotating hydraulic cylinder

- up to 45 bar
- THROUGH-HOLE Ø 37.5 - 127.5 mm
- short design/low mass
- stroke control via proximity switch or linear positioning system



Application/customer benefits

- Actuation of open center jaw and collet power chucks
- Machining of bars and tubes

Technical features

- Pressure range 8–45 bar
- Short design/low mass/low power consumption
- Horizontal installation only
- Safety valves and excess pressure relief valve
- Mounting from the rear side with bolts
- A 10 µm filter in pressure line is requested
- Use oil HM32 ISO 3448

VNK-T2

standard version

- mounting for bar guides standard
- bar guides not included

VNK-T2-PXP

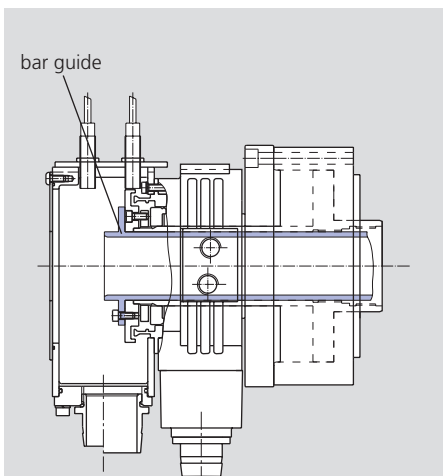
for linear positioning system

- mounting for bar guides standard
- bar guides not included
- Minikit PXP must be ordered separately
- Sensor PXP Ø 30mm not included

VNK-T2-LPS-X

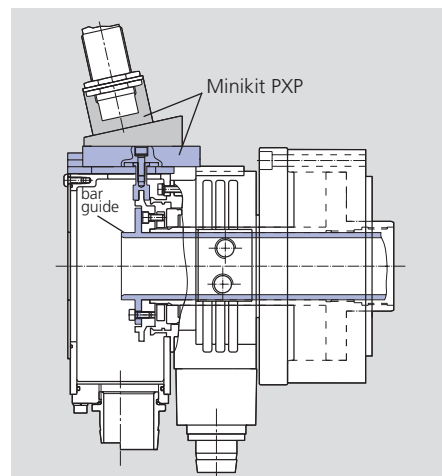
for linear positioning system LPS-X

- bar guides not included
- Minikit LPS-X must be ordered separately
- Sensor LPS-X not included see page 275



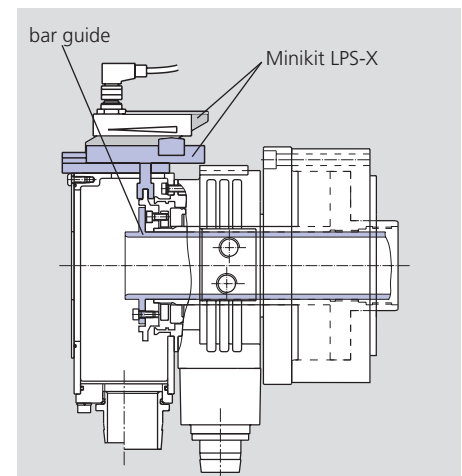
Ordering example VNK-T2 150-67

- Cylinder Id. No. 33092216



Ordering example VNK-T2 150-67-PXP

- Cylinder Id. No. 77091916
- Minikit PXP Id. No. 60367941***



Ordering example VNK-T2 150-67-LPS-X

- Cylinder Id. No. 77091916
- Minikit LPS-X Id. No. 60367741***

Technical data

SMW-AUTOBLOK Type VNK-T2		70-37	102-46	130-52	150-67	170-77	176-82	200-86	225-95	250-110	320-127
VNK-T2 Standard version		33092211	33092213	33092215	33092216	33092218	33092217	33092219	33092220	33092222	33092225
VNK-T2 prepared for PXP/LPS		77091911	77091913	77091915	77091916	77091918	77091917	77091919	77091920	77091922	77091925
Minikit PXP		60367941	60367941	60367941	60367941	60367941	60367941	60367941	60367941	60367941	60367941
Minikit LPS-X		60367741	60367741	60367741	60367741	60367741	60367741	60367741	60367741	60367741	60367741
Piston area	cm ²	70	103	131	152	170	176	197	226	247	325
Through-hole	mm	37.5	46.5	52.5	67.5	77	82	86	95	110	127.5
Max. pressure	bar	45	45	45	45	45	45	45	45	45	45
Draw pull at 45 bar	kN	32	47	59	68	76	79	89	102	110	144
Oil leakage*	dm ³ /min	2.5	3	3.5	4	4.5	4.5	5	7	9	12
Max. speed	r.p.m.	8000	7000	6300	5500	5000	5000	4500	4000	3600	3200
Weight	kg	8	12	15	20	23	25	27	30	49	61
Moment of inertia	kg·m ²	0.013	0.028	0.04	0.07	0.09	0.12	0.13	0.17	0.28	0.54
Power absorption**	kW	0.85	1	1.2	1.5	1.8	1.8	1.9	1.9	2.2	2.5

* Total at 30 bar / 50 °C

** At max. speed/ oil HM32 ISO 3448

*** Sensor non included in minikit

Important: On higher pressure the leakage increases proportionally. On higher oil temperature the leakage increases over proportionally (the use of an oil cooler is recommended). When designing/checking the hydraulic unit please ask for our data sheets.