

TECHNICAL CATALOGUE

Cylinders & Sealing

Product specifications, dimensions and ordering configurations

28 October 2026

Product families: 8

Product, pattern & size references: 60

B-BBEE: Level 2

Select the product and exact configuration for the operating duty. The tables in this catalogue apply to the exact item, material, size and standard shown. Working, burst and test pressures are different quantities. Similar ordering references do not establish compatibility.

Application-specific assemblies, custom machining and configured equipment receive their final agreed specification with the quotation.

Request a quotation

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Provide the part code, size, quantity, required configuration and application. Include a drawing or photograph where available.

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Cylinders & Sealing

Hydraulic cylinders, cylinder components and seals selected to suit the duty.

001 / Double Acting Hydraulic Cylinders

Powered extension and retraction for industrial and mobile equipment.

[Application & quotation checklist](#)

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

002 / Single Acting Hydraulic Cylinders

Single-direction hydraulic actuation.

[Application & quotation checklist](#)

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

003 / Custom Cylinder Enquiries

Application-specific cylinder design and supply.

[Application & quotation checklist](#)

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

004 / Cylinder Components & Mountings

Rods, tubes, mounts and associated cylinder components.

Ordering references: MHT 40x50MM / MHT 50x60MM / MHT 63x76MM / MHT 80x90MM / MHT 80x100MM / MHT 100x120MM / MHT 100x130MM / MHT 120x140MM / MHT 120x150MM / SCHR 16MM / SCHR 25MM / SCHR 32MM / SCHR 40MM / SCHR 50MM / SCHR 60MM / SCHR 80MM / SCHR 100MM / SCHR 150MM / SCHR 1" / SCHR 2" / SCHR 3" / CON TFCLM16X15 / CON TFCLM20X15 / CON TFCLM24X2 / CON TFCLM30X2 / CON TFCLM33X2 / CON WFCL16P / CON WFCL20P / CON WFCL25P / CON WFCL30P / CON WFCL35P

Cylinder barrel tubing exact stock selection

Part code	Finish	Inside diameter mm	Mass kg per m (kg/m)	Material reference	Outside diameter mm	Wall thickness mm
MHT 40x50MM	mechanically burnished	40	5.55	ST52B	50	5
MHT 50x60MM	mechanically burnished	50	6.78	ST52B	60	5
MHT 63x76MM	mechanically burnished	63	11.14	ST52B	76	6.5
MHT 80x90MM	mechanically burnished	80	10.48	ST52B	90	5
MHT 80x100MM	mechanically burnished	80	22.18	ST52B	100	10
MHT 100x120MM	mechanically burnished	100	27.11	ST52B	120	10
MHT 100x130MM	mechanically burnished	100	42.52	ST52B	130	15
MHT 120x140MM	mechanically burnished	120	32.04	ST52B	140	10
MHT 120x150MM	mechanically burnished	120	49.91	ST52B	150	15

ST 52 B mechanically burnished cylinder-barrel stock by inside diameter, outside diameter and wall thickness. Stock dimensions do not establish a finished-cylinder pressure rating. Confirm material certification, tolerance, straightness and bore surface finish for the cylinder design.

Chrome rod exact stock selection

Part code	Mass kg per m (kg/m)	Material reference	Rod diameter mm	Surface
SCHR 16MM	1.58	CK45	16	chrome plated; thickness/roughness not established
SCHR 25MM	3.85	CK45	25	chrome plated; thickness/roughness not established
SCHR 32MM	6.31	CK45	32	chrome plated; thickness/roughness not established
SCHR 40MM	9.86	CK45	40	chrome plated; thickness/roughness not established
SCHR 50MM	15.41	CK45	50	chrome plated; thickness/roughness not established
SCHR 60MM	22.18	CK45	60	chrome plated; thickness/roughness not established
SCHR 80MM	39.44	CK45	80	chrome plated; thickness/roughness not established
SCHR 100MM	61.62	CK45	100	chrome plated; thickness/roughness not established

Chrome rod exact stock selection

Part code	Mass kg per m (kg/m)	Material reference	Rod diameter mm	Surface
SCHR 150MM	138.65	CK45	150	chrome plated; thickness/roughness not established
SCHR 1"	3.98	CK45	25.4	chrome plated; thickness/roughness not established
SCHR 2"	15.9	CK45	50.8	chrome plated; thickness/roughness not established
SCHR 3"	35.78	CK45	76.2	chrome plated; thickness/roughness not established

CK 45 chrome rod stock by diameter and mass per metre. Confirm chrome thickness, hardness, straightness, diameter tolerance and surface roughness. Rod diameter alone does not establish cylinder force, buckling capacity or seal suitability.

Cylinder threaded fork labelled dimensions

Part code	Dimension h mm	Dimension l mm	Dimension q mm	Dimension w mm	Dimension z1 mm	Dimension z mm	P dimension	Thread f
CON TFCLM16X15	16	55	35	16	24	39	16, 20	M16×1.5
CON TFCLM20X15	20	65	40	20	30	45	20, 25	M20×1.5
CON TFCLM24X2	25	75	50	25	30	50	25, 25	M24×2
CON TFCLM30X2	30	95	60	30	35	65	30, 25	M30×2
CON TFCLM33X2	35	110	70	35	40	75	35, 25	M33×2

Cylinder clevis dimensions retain the drawing letter references. Use the original dimensional drawing to confirm installation and pin geometry. The ambiguous two-value P entry is not a confirmed drilling diameter. Material, welding requirements and permissible load require confirmation.

Cylinder weldable fork labelled dimensions

Part code	Dimension h mm	Dimension l mm	Dimension q mm	Dimension r mm	Dimension w mm	Dimension z1 mm	Dimension z mm	P dimension
CON WFCL16P	16	50	35	16	16	24	34	16, 20
CON WFCL20P	20	60	40	20	20	30	40	20, 25
CON WFCL25P	25	70	50	25	25	30	45	25, 25
CON WFCL30P	30	80	60	30	30	35	50	30, 25
CON WFCL35P	35	90	70	35	35	40	55	35, 25

Cylinder clevis dimensions retain the drawing letter references. Use the original dimensional drawing to confirm installation and pin geometry. The ambiguous two-value P entry is not a confirmed drilling diameter. Material, welding requirements and permissible load require confirmation.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

005 / Hydraulic Cylinder Seal Kits

Seal identification and matched replacement kits.

Ordering references: SKT 252009116 / SKT 253010114 / SKT 253012112 / SKT 254010 / SKT 254012 / SKT 254016

Tie-rod cylinder seal-kit exact selections

Part code	Bore inch	Bore mm	Rod diameter inch	application	rod diameter mm
SKT 252009116	2	50.8	1-1/16	tie-rod cylinder series only	26.98
SKT 253010114	3	76.2	1-1/4	tie-rod cylinder series only	31.8
SKT 253012112	3	76.2	1-1/2	tie-rod cylinder series only	38.1
SKT 254010	4	101.6	1-1/4	tie-rod cylinder series only	31.8
SKT 254012	4	101.6	1-1/2	tie-rod cylinder series only	38.1
SKT 254016	4	101.6	2	tie-rod cylinder series only	50.8

Seal-kit choices for the specified cylinder bore, rod and tie-rod application. Bore and rod dimensions alone do not prove seal-kit interchangeability. Confirm cylinder model, seal profiles, materials, temperature and fluid. Original inch rod sizes are retained alongside the rounded metric references.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

006 / O-Rings, Wipers & Hydraulic Seals

Sealing components selected to dimensions, material and duty.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

007 / Tie-Rod Hydraulic Cylinders

A range of 2, 3 and 4 inch bore cylinders with exact stroke, rod, port and retracted-length choices.

Ordering references: CYL T252004085 / CYL T252008085 / CYL T252012085 / CYL T252016085 / CYL T252024085 / CYL T252036085 / CYL T252048085 / CYL T25300610 / CYL T25301012 / CYL T25301412 / CYL T25302012 / CYL T25303012 / CYL T25304812 / CYL T25400816 / CYL T25401216 / CYL T25401816 / CYL T25402416 / CYL T25403016 / CYL T25404816

[Tie-rod cylinder exact configurations / column group 1 of 2](#)

Part code	Bore inch	Bore mm	Mass kg	Pin diameter mm	Port size inch	Port thread reference	Retracted length inch	Rod diameter inch	Stroke inch	Stroke mm
CYL T252004085	2	50.8	6.65	25.4	3/8	BSP; parallel/taper not stated	14-1/4	1-1/16	4	101.6
CYL T252008085	2	50.8	8.86	25.4	3/8	BSP; parallel/taper not stated	18-1/4	1-1/16	8	203.2
CYL T252012085	2	50.8	9.77	25.4	3/8	BSP; parallel/taper not stated	22-1/4	1-1/16	12	304.8
CYL T252016085	2	50.8	11.59	25.4	3/8	BSP; parallel/taper not stated	26-1/4	1-1/16	16	406.4
CYL T252024085	2	50.8	14.32	25.4	3/8	BSP; parallel/taper not stated	34-1/4	1-1/16	24	609.6
CYL T252036085	2	50.8	18.18	25.4	3/8	BSP; parallel/taper not stated	46-1/4	1-1/16	36	914.4
CYL T252048085	2	50.8	26.82	25.4	3/8	BSP; parallel/taper not stated	58-1/4	1-1/16	48	1219.2
CYL T25300610	3	76.2	10.91	25.4	1/2	BSP; parallel/taper not stated	16-1/4	1-1/4	6	152.4
CYL T25301012	3	76.2	13.18	25.4	1/2	BSP; parallel/taper not stated	20-1/4	1-1/2	10	254
CYL T25301412	3	76.2	15.23	25.4	1/2	BSP; parallel/taper not stated	24-1/4	1-1/2	14	355.6
CYL T25302012	3	76.2	17.91	25.4	1/2	BSP; parallel/taper not stated	30-1/4	1-1/2	20	508
CYL T25303012	3	76.2	24.45	25.4	1/2	BSP; parallel/taper not stated	40-1/4	1-1/2	30	762
CYL T25304812	3	76.2	30.91	25.4	1/2	BSP; parallel/taper not stated	58-1/4	1-1/2	48	1219.2
CYL T25400816	4	101.6	17.95	25.4	1/2	BSP; parallel/taper not stated	18-1/4	2	8	203.2
CYL T25401216	4	101.6	21.91	25.4	1/2	BSP; parallel/taper not stated	22-1/4	2	12	304.8
CYL T25401816	4	101.6	Confirm	25.4	1/2	BSP; parallel/taper not stated	28-1/4	2	18	457.2
CYL T25402416	4	101.6	31.5	25.4	1/2	BSP; parallel/taper not stated	34-1/4	2	24	609.6

Tie-rod cylinder exact configurations / column group 1 of 2

Part code	Bore inch	Bore mm	Mass kg	Pin diameter mm	Port size inch	Port thread reference	Retracted length inch	Rod diameter inch	Stroke inch	Stroke mm
CYL T25403016	4	101.6	36.95	25.4	1/2	BSP; parallel/taper not stated	40-1/4	2	30	762
CYL T25404816	4	101.6	55.91	25.4	1/2	BSP; parallel/taper not stated	58-1/4	2	48	1219.2

Identifying columns are repeated. Read all column groups together for the complete row specification.

Tie-rod cylinder exact configurations / column group 2 of 2

Part code	Test pressure psi	Working pressure psi
CYL T252004085	3750	2500
CYL T252008085	3750	2500
CYL T252012085	3750	2500
CYL T252016085	3750	2500
CYL T252024085	3750	2500
CYL T252036085	3750	2500
CYL T252048085	3750	2500
CYL T25300610	3750	2500
CYL T25301012	3750	2500
CYL T25301412	3750	2500
CYL T25302012	3750	2500
CYL T25303012	3750	2500
CYL T25304812	3750	2500
CYL T25400816	3750	2500
CYL T25401216	3750	2500
CYL T25401816	3750	2500

Tie-rod cylinder exact configurations / column group 2 of 2

Part code	Test pressure psi	Working pressure psi
CYL T25402416	3750	2500
CYL T25403016	3750	2500
CYL T25404816	3750	2500

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact cylinder configurations with bore, rod, stroke, retracted length, port and pin dimensions. This cylinder selection is rated 2500 psi working pressure and 3750 psi test pressure; test pressure is not an operating limit. Confirm action type, mounts, seals, temperature, side loading and installation drawing. The pressure rating does not apply to unrelated custom cylinders or raw stock.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing

008 / Rollback Hydraulic Cylinders

Four specified long-stroke cylinder configurations for rollback applications.

Ordering references: CYL T253012012 / CYL T254008716 / CYL T254012016 / CYL T254013316

Rollback cylinder exact configurations / column group 1 of 2

Part code	Bore inch	Bore mm	Pin diameter mm	Port size inch	Port thread reference	Retracted length inch	Rod diameter inch	Stroke mm	Test pressure psi
CYL T253012012	3	76.2	25.4	1/2	BSP; parallel/taper not stated	130.25	1-1/2	3048	3750
CYL T254008716	4	101.6	25.4	1/2	BSP; parallel/taper not stated	96.86	2	2200	3750
CYL T254012016	4	101.6	25.4	1/2	BSP; parallel/taper not stated	130.25	2	3048	3750
CYL T254013316	4	101.6	25.4	1/2	BSP; parallel/taper not stated	143.7	2	3389.65	3750

Identifying columns are repeated. Read all column groups together for the complete row specification.

Rollback cylinder exact configurations / column group 2 of 2

Part code	Working pressure psi
CYL T253012012	2500

Rollback cylinder exact configurations / column group 2 of 2

Part code	Working pressure psi
CYL T254008716	2500
CYL T254012016	2500
CYL T254013316	2500

Identifying columns are repeated. Read all column groups together for the complete row specification.

Exact cylinder configurations with bore, rod, stroke, retracted length, port and pin dimensions. This cylinder selection is rated 2500 psi working pressure and 3750 psi test pressure; test pressure is not an operating limit. Confirm action type, mounts, seals, temperature, side loading and installation drawing. The pressure rating does not apply to unrelated custom cylinders or raw stock.

Application & quotation checklist

Bore, rod diameter and stroke; Working pressure and required force; Mounting arrangement and closed length; Seal material, environment and drawing